Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Tuesday, December 07, 2004 Lab/Cor Report Number: *041172R3*

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS
Project Number: 0440.01CP-0001
Client Reference:
Sample Receipt Date: 10/7/2004

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 #: ***B4760***		
S1-A1	APG-L2-13CH-100404	ISO 10312, direct: Rejected - overloaded
S2-A1	APG-L2-1CH-100404	ISO 10312, direct: Rejected - overloaded
S3-A1	APG-L2-1ZB-100404	ISO 10312, direct
S4-A1	APG-L2-2CH-100404	ISO 10312, direct
S5-A1	APG-L2-3CH-100404	ISO 10312, direct
S6-A1	APG-L2-4CH-100404	ISO 10312, direct
S7-A1	APG-L2-5CH-100404	ISO 10312, direct
S8-A1	CC1-L6-1CA-100204	ISO 10312, direct
S9-A1	CC1-L6-1CB-100204	ISO 10312, direct
S10-A1	CC1-L6-2CB-100204	ISO 10312, direct
S11-A1	CC1-L6-3CB-100204	ISO 10312, direct: Rejected - overloaded
S12-A1	CC2A-L6-1CA-100304	ISO 10312, direct
S13-A1	CC2-L6-11CC-100304	ISO 10312, direct
S14-A1	CC2-L6-1CC-100304	ISO 10312, direct
S15-A1	CC2-L6-2CC-100304	ISO 10312, direct
S16-A1	CC2-L6-3CC-100304	ISO 10312, direct
S17-A1	CC2-L6-4CC-100304	ISO 10312, direct
S18-A1	SVBA-H2-1FD-100204	ISO 10312, direct
S19-A1	SVBA-H2-2FD-100204	ISO 10312, direct
S20-A1	SVBA-H2-3FD-100204	ISO 10312, direct
S21-A1	SVBB-H2-1FD-100304	ISO 10312, direct
S22-A1	SVBB-H2-2FD-100304	ISO 10312, direct
S23-A1	SVBB-H2-3FD-100304	ISO 10312, direct
S24-A1	TPG-L2-11CH-100404	ISO 10312, direct
S25-A1	TPG-L2-1CH-100404	ISO 10312, direct
S26-A1	TPG-L2-1ZB-100404	ISO 10312, direct
S27-A1	TPG-L2-2CH-100404	ISO 10312, direct
S28-A1	TPG-L2-3CH-100404	ISO 10312, direct
S29-A1	TPG-L2-4CH-100404	ISO 10312, direct

S30-A1	TPG-L2-5CH-100404	ISO 10312, direct
S31-A1	RHB-H2-1FD-100304	ISO 10312, direct
S32-A1	RHB-H2-2FD-100304	ISO 10312, direct
S33-A1	RHB-H2-3FD-100304	ISO 10312, direct
S34-A1	RHB-L2-1CH-100304	ISO 10312, direct
S35-A1	RHB-L2-2CH-100304	ISO 10312, direct
S36-A1	RHB-L2-3CH-100304	ISO 10312, direct
S37-A1	RHB-L2-4CH-100304	ISO 10312, direct
S38-A1	RHB-L2-5CH-100304	ISO 10312, direct
S39-A1	SVBA-L2-11CH-100204	ISO 10312, direct
S40-A1	SVBA-L2-1CH-100204	ISO 10312, direct
S41-A1	SVBA-L2-2CH-100204	ISO 10312, direct
S42-A1	SVBA-L2-3CH-100204	ISO 10312, direct
S43-A1	SVBA-L2-4CH-100204	ISO 10312, direct
S44-A1	SVBA-L2-5CH-100204	ISO 10312, direct
S45-A1	SVBB-L2-12CH-100304	ISO 10312, direct
S46-A1	SVBB-L2-1CH-100304	ISO 10312, direct
S47-A1	SVBB-L2-2CH-100304	ISO 10312, direct
S48-A1	SVBB-L2-3CH-100304	ISO 10312, direct
S49-A1	SVBB-L2-4CH-100304	ISO 10312, direct
S50-A1	SVBB-L2-5CH-100304	ISO 10312, direct
S51-A1	SVM-H2-1FD-100204	ISO 10312, direct
S52-A1	SVM-H2-2FD-100204	ISO 10312, direct
S53-A1	SVM-H2-3FD-100204	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S3 A1
Client Sample No. APG-L2-1ZB-100404
Description
Analysis Date 10/7/2004
Analyst DW

Volume (L) 299.76
No. of Grid Openings 83
Filter Area (mm2) 385
Area Analyzed (mm2) 1.20
Analytical Sens. (struc/cc) 0.00107
Dectection Limit. (struc/cc) 0.00319

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00319	0.00 - 0.00319	0
Total Asbestos Structures	0.0	<0.00319	0.00 - 0.00319	0
Asbestos Structures > 5um	0.0	<0.00319	0.00 - 0.00319	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00319	0.00 - 0.00319	0
PCM Equivalent Fibers-US	0.0	<0.00319	0.00 - 0.00319	0
PCM Equivalent Structures-US	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL ASB STRUCS >10	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00319	0.00 - 0.00319	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00319	0.00 - 0.00319	0
AHERA-like Total Structures 3:1	0.0	<0.00319	0.00 - 0.00319	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00319	0.00 - 0.00319	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00319	0.00 - 0.00319	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00319	0.00 - 0.00319	0
Total Other Amphibole Strucs 3:1	0.0	<0.00319	0.00 - 0.00319	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00319	0.00 - 0.00319	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00319	0.00 - 0.00319	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00319	0.00 - 0.00319	0

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S4 A1
Client Sample No. APG-L2-2CH-100404
Description
Analysis Date 10/7/2004
Analyst KM

Volume (L) 289.2
No. of Grid Openings 92
Filter Area (mm2) 385
Area Analyzed (mm2) 1.33
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	14.3	0.0190	0.0114 - 0.0296	19
Total Asbestos Structures	14.3	0.0190	0.0114 - 0.0296	19
Asbestos Structures > 5um	7.5	0.00999	0.00479 - 0.0184	10
Asbestos Fibers and Bundles > 5um	6.8	0.00899	0.00411 - 0.0171	9
PCM Equivalent Fibers-US	6.8	0.00899	0.00411 - 0.0171	9
PCM Equivalent Structures-US	7.5	0.00999	0.00479 - 0.0184	10
PROTOCOL ASB STRUCS 5-10	1.5	0.00200	0.00 - 0.00629	2
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	1.5	0.00200	0.00 - 0.00629	2
PROTOCOL CHRYS STRUCS 5-10	0.8	0.000999	0.00 - 0.00473	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.000999	0.00 - 0.00473	1
PROTOCOL AMPH STRUCS 5-10	0.8	0.000999	0.00 - 0.00473	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.8	0.000999	0.00 - 0.00473	1
AHERA-like Total Structures 3:1	14.3	0.0190	0.0114 - 0.0296	19
AHERA-like Asb Strucs >5 and 3:1	7.5	0.00999	0.00479 - 0.0184	10
AHERA-like Asb Strucs 5 - 10 and 3:1	5.3	0.00699	0.00281 - 0.0144	7
AHERA-like Asb Strucs >10 and 3:1	2.3	0.00300	0.00 - 0.00774	3
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

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S5 A1
Client Sample No. APG-L2-3CH-100404
Description
Analysis Date 10/7/2004
Analyst KM

Volume (L) 295.56
No. of Grid Openings 91
Filter Area (mm2) 385
Area Analyzed (mm2) 1.32
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	6.8	0.00889	0.00407 - 0.0169	9
Total Asbestos Structures	6.8	0.00889	0.00407 - 0.0169	9
Asbestos Structures > 5um	1.5	0.00198	0.00 - 0.00622	2
Asbestos Fibers and Bundles > 5um	1.5	0.00198	0.00 - 0.00622	2
PCM Equivalent Fibers-US	1.5	0.00198	0.00 - 0.00622	2
PCM Equivalent Structures-US	0.8	0.000988	0.00 - 0.00468	1
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	6.8	0.00889	0.00407 - 0.0169	9
AHERA-like Asb Strucs >5 and 3:1	1.5	0.00198	0.00 - 0.00622	2
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000988	0.00 - 0.00468	1
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000988	0.00 - 0.00468	1
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

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S6 A1
Client Sample No. APG-L2-4CH-100404
Description
Analysis Date 10/8/2004
Analyst JH

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	7.8	0.00997	0.00478 - 0.0183	10
Total Asbestos Structures	7.8	0.00997	0.00478 - 0.0183	10
Asbestos Structures > 5um	3.1	0.00399	0.00109 - 0.0102	4
Asbestos Fibers and Bundles > 5um	3.1	0.00399	0.00109 - 0.0102	4
PCM Equivalent Fibers-US	3.1	0.00399	0.00109 - 0.0102	4
PCM Equivalent Structures-US	3.1	0.00399	0.00109 - 0.0102	4
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	7.8	0.00997	0.00478 - 0.0183	10
AHERA-like Asb Strucs >5 and 3:1	3.1	0.00399	0.00109 - 0.0102	4
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.00399	0.00109 - 0.0102	4
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

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S7 A1
Client Sample No. APG-L2-5CH-100404
Description
Analysis Date 10/7/2004
Analyst DW

Volume (L) 290.64
No. of Grid Openings 91
Filter Area (mm2) 385
Area Analyzed (mm2) 1.32
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	4.6	0.00603	0.00221 - 0.0131	6
Total Asbestos Structures	4.6	0.00603	0.00221 - 0.0131	6
Asbestos Structures > 5um	0.8	0.00100	0.00 - 0.00476	1
Asbestos Fibers and Bundles > 5um	0.8	0.00100	0.00 - 0.00476	1
PCM Equivalent Fibers-US	0.8	0.00100	0.00 - 0.00476	1
PCM Equivalent Structures-US	0.8	0.00100	0.00 - 0.00476	1
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	4.6	0.00603	0.00221 - 0.0131	6
AHERA-like Asb Strucs >5 and 3:1	0.8	0.00100	0.00 - 0.00476	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00300	0.00 - 0.00300	0
AHERA-like Asb Strucs >10 and 3:1	0.8	0.00100	0.00 - 0.00476	1
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

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S8 A1
Client Sample No. CC1-L6-1CA-100204
Description
Analysis Date 10/8/2004
Analyst TM

Volume (L) 569.77
No. of Grid Openings 47
Filter Area (mm2) 385
Area Analyzed (mm2) 0.681
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	8.8	0.00595	0.00218 - 0.0130	6
Total Asbestos Structures	8.8	0.00595	0.00218 - 0.0130	6
Asbestos Structures > 5um	1.5	0.000992	0.00 - 0.00470	1
Asbestos Fibers and Bundles > 5um	1.5	0.000992	0.00 - 0.00470	1
PCM Equivalent Fibers-US	1.5	0.000992	0.00 - 0.00470	1
PCM Equivalent Structures-US	1.5	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	8.8	0.00595	0.00218 - 0.0130	6
AHERA-like Asb Strucs >5 and 3:1	1.5	0.000992	0.00 - 0.00470	1
AHERA-like Asb Strucs 5 - 10 and 3:1	1.5	0.000992	0.00 - 0.00470	1
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

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S9 A1
Client Sample No. CC1-L6-1CB-100204
Description
Analysis Date 10/8/2004
Analyst JH

Volume (L) 607.18
No. of Grid Openings 45
Filter Area (mm2) 385
Area Analyzed (mm2) 0.652
Analytical Sens. (struc/cc) 0.000972
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	7.7	0.00486	0.00158 - 0.0113	5
Total Asbestos Structures	6.1	0.00389	0.00106 - 0.00996	4
Asbestos Structures > 5um	1.5	0.000972	0.00 - 0.00461	1
Asbestos Fibers and Bundles > 5um	1.5	0.000972	0.00 - 0.00461	1
PCM Equivalent Fibers-US	1.5	0.000972	0.00 - 0.00461	1
PCM Equivalent Structures-US	1.5	0.000972	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	6.1	0.00389	0.00106 - 0.00996	4
AHERA-like Asb Strucs >5 and 3:1	1.5	0.000972	0.00 - 0.00461	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	1.5	0.000972	0.00 - 0.00461	1
Total Other Amphibole Strucs 3:1	1.5	0.000972	0.00 - 0.00461	1
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S10 A1
Client Sample No. CC1-L6-2CB-100204
Description
Analysis Date 10/8/2004
Analyst DW

Volume (L) 597.98
No. of Grid Openings 44
Filter Area (mm2) 385
Area Analyzed (mm2) 0.638
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	12.5	0.00808	0.00349 - 0.0159	8
Total Asbestos Structures	12.5	0.00808	0.00349 - 0.0159	8
Asbestos Structures > 5um	4.7	0.00303	0.00 - 0.00783	3
Asbestos Fibers and Bundles > 5um	4.7	0.00303	0.00 - 0.00783	3
PCM Equivalent Fibers-US	3.1	0.00202	0.00 - 0.00636	2
PCM Equivalent Structures-US	3.1	0.00202	0.00 - 0.00636	2
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	12.5	0.00808	0.00349 - 0.0159	8
AHERA-like Asb Strucs >5 and 3:1	4.7	0.00303	0.00 - 0.00783	3
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.00202	0.00 - 0.00636	2
AHERA-like Asb Strucs >10 and 3:1	1.6	0.00101	0.00 - 0.00479	1
Total Other Amphibole Strucs 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S12 A1
Client Sample No. CC2A-L6-1CA-100304
Description
Analysis Date 10/8/2004
Analyst TM

Volume (L) 269.72
No. of Grid Openings 99
Filter Area (mm2) 385
Area Analyzed (mm2) 1.43
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	7.7	0.0109	0.00546 - 0.0196	11
Total Asbestos Structures	14.6	0.0209	0.0129 - 0.0319	21
Asbestos Structures > 5um	2.1	0.00299	0.00 - 0.00771	3
Asbestos Fibers and Bundles > 5um	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Fibers-US	0.7	0.000995	0.00 - 0.00472	1
PCM Equivalent Structures-US	0.7	0.000995	0.00 - 0.00472	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	7.7	0.0109	0.00546 - 0.0196	11
AHERA-like Asb Strucs >5 and 3:1	2.1	0.00299	0.00 - 0.00771	3
AHERA-like Asb Strucs 5 - 10 and 3:1	2.1	0.00299	0.00 - 0.00771	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S13 A1
Client Sample No. CC2-L6-11CC-100304
Description
Analysis Date 10/8/2004
Analyst DW

Volume (L) 530.45
No. of Grid Openings 51
Filter Area (mm2) 385
Area Analyzed (mm2) 0.739
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	4.1	0.00295	0.00 - 0.00761	3
Total Asbestos Structures	2.7	0.00196	0.00 - 0.00619	2
Asbestos Structures > 5um	1.4	0.000982	0.00 - 0.00466	1
Asbestos Fibers and Bundles > 5um	1.4	0.000982	0.00 - 0.00466	1
PCM Equivalent Fibers-US	1.4	0.000982	0.00 - 0.00466	1
PCM Equivalent Structures-US	1.4	0.000982	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	4.1	0.00295	0.00 - 0.00761	3
AHERA-like Asb Strucs >5 and 3:1	2.7	0.00196	0.00 - 0.00619	2
AHERA-like Asb Strucs 5 - 10 and 3:1	1.4	0.000982	0.00 - 0.00466	1
AHERA-like Asb Strucs >10 and 3:1	1.4	0.000982	0.00 - 0.00466	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S14 A1
Client Sample No. CC2-L6-1CC-100304
Description
Analysis Date 10/9/2004
Analyst JH

Volume (L) 533.62
No. of Grid Openings 51
Filter Area (mm2) 385
Area Analyzed (mm2) 0.739
Analytical Sens. (struc/cc) 0.000976
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	2.7	0.00195	0.00 - 0.00615	2
Total Asbestos Structures	2.7	0.00195	0.00 - 0.00615	2
Asbestos Structures > 5um	1.4	0.000976	0.00 - 0.00463	1
Asbestos Fibers and Bundles > 5um	1.4	0.000976	0.00 - 0.00463	1
PCM Equivalent Fibers-US	0.0	<0.00292	0.00 - 0.00292	0
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	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	2.7	0.00195	0.00 - 0.00615	2
AHERA-like Asb Strucs >5 and 3:1	1.4	0.000976	0.00 - 0.00463	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	1.4	0.000976	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S15 A1
Client Sample No. CC2-L6-2CC-100304
Description
Analysis Date 10/9/2004
Analyst KM

Volume (L) 523
No. of Grid Openings 51
Filter Area (mm2) 385
Area Analyzed (mm2) 0.739
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	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S16 A1
Client Sample No. CC2-L6-3CC-100304
Description
Analysis Date 10/9/2004
Analyst KM

Volume (L) 520.12
No. of Grid Openings 52
Filter Area (mm2) 385
Area Analyzed (mm2) 0.753
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	14.6	0.0108	0.00539 - 0.0193	11
Total Asbestos Structures	14.6	0.0108	0.00539 - 0.0193	11
Asbestos Structures > 5um	8.0	0.00589	0.00216 - 0.0128	6
Asbestos Fibers and Bundles > 5um	6.6	0.00491	0.00160 - 0.0115	5
PCM Equivalent Fibers-US	6.6	0.00491	0.00160 - 0.0115	5
PCM Equivalent Structures-US	5.3	0.00393	0.00107 - 0.0101	4
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	14.6	0.0108	0.00539 - 0.0193	11
AHERA-like Asb Strucs >5 and 3:1	8.0	0.00589	0.00216 - 0.0128	6
AHERA-like Asb Strucs 5 - 10 and 3:1	4.0	0.00295	0.00 - 0.00761	3
AHERA-like Asb Strucs >10 and 3:1	4.0	0.00295	0.00 - 0.00761	3
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S17 A1
Client Sample No. CC2-L6-4CC-100304
Description
Analysis Date 10/9/2004
Analyst KM

Volume (L) 542.69
No. of Grid Openings 49
Filter Area (mm2) 385
Area Analyzed (mm2) 0.710
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	21.1	0.0150	0.00839 - 0.0247	15
Total Asbestos Structures	21.1	0.0150	0.00839 - 0.0247	15
Asbestos Structures > 5um	5.6	0.00400	0.00109 - 0.0102	4
Asbestos Fibers and Bundles > 5um	4.2	0.00300	0.00 - 0.00774	3
PCM Equivalent Fibers-US	5.6	0.00400	0.00109 - 0.0102	4
PCM Equivalent Structures-US	4.2	0.00300	0.00 - 0.00774	3
PROTOCOL ASB STRUCS 5-10	1.4	0.000999	0.00 - 0.00474	1
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	1.4	0.000999	0.00 - 0.00474	1
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	1.4	0.000999	0.00 - 0.00474	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	1.4	0.000999	0.00 - 0.00474	1
AHERA-like Total Structures 3:1	21.1	0.0150	0.00839 - 0.0247	15
AHERA-like Asb Strucs >5 and 3:1	5.6	0.00400	0.00109 - 0.0102	4
AHERA-like Asb Strucs 5 - 10 and 3:1	4.2	0.00300	0.00 - 0.00774	3
AHERA-like Asb Strucs >10 and 3:1	1.4	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S18 A1
Client Sample No. SVBA-H2-1FD-100204
Description
Analysis Date 10/9/2004
Analyst KM

Volume (L) 556.69
No. of Grid Openings 48
Filter Area (mm2) 385
Area Analyzed (mm2) 0.696
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	24.4	0.0169	0.00985 - 0.0271	17
Total Asbestos Structures	24.4	0.0169	0.00985 - 0.0271	17
Asbestos Structures > 5um	5.8	0.00398	0.00108 - 0.0102	4
Asbestos Fibers and Bundles > 5um	4.3	0.00298	0.00 - 0.00771	3
PCM Equivalent Fibers-US	4.3	0.00298	0.00 - 0.00771	3
PCM Equivalent Structures-US	1.4	0.000994	0.00 - 0.00471	1
PROTOCOL ASB STRUCS 5-10	1.4	0.000994	0.00 - 0.00471	1
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	1.4	0.000994	0.00 - 0.00471	1
PROTOCOL CHRYS STRUCS 5-10	1.4	0.000994	0.00 - 0.00471	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	1.4	0.000994	0.00 - 0.00471	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	24.4	0.0169	0.00985 - 0.0271	17
AHERA-like Asb Strucs >5 and 3:1	5.8	0.00398	0.00108 - 0.0102	4
AHERA-like Asb Strucs 5 - 10 and 3:1	4.3	0.00298	0.00 - 0.00771	3
AHERA-like Asb Strucs >10 and 3:1	1.4	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S19 A1
Client Sample No. SVBA-H2-2FD-100204
Description
Analysis Date 10/10/2004
Analyst KM

Volume (L) 531.47
No. of Grid Openings 50
Filter Area (mm2) 385
Area Analyzed (mm2) 0.724
Analytical Sens. (struc/cc) 0.00100
Dectection Limit. (struc/cc) 0.00299

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	12.4	0.00900	0.00411 - 0.0171	9
Total Asbestos Structures	12.4	0.00900	0.00411 - 0.0171	9
Asbestos Structures > 5um	4.1	0.00300	0.00 - 0.00775	3
Asbestos Fibers and Bundles > 5um	4.1	0.00300	0.00 - 0.00775	3
PCM Equivalent Fibers-US	4.1	0.00300	0.00 - 0.00775	3
PCM Equivalent Structures-US	4.1	0.00300	0.00 - 0.00775	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	12.4	0.00900	0.00411 - 0.0171	9
AHERA-like Asb Strucs >5 and 3:1	4.1	0.00300	0.00 - 0.00775	3
AHERA-like Asb Strucs 5 - 10 and 3:1	4.1	0.00300	0.00 - 0.00775	3
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S20 A1
Client Sample No. SVBA-H2-3FD-100204
Description
Analysis Date 10/10/2004
Analyst KM

Volume (L) 562.41
No. of Grid Openings 48
Filter Area (mm2) 385
Area Analyzed (mm2) 0.696
Analytical Sens. (struc/cc) 0.000984
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	4.3	0.00295	0.00 - 0.00763	3
Total Asbestos Structures	4.3	0.00295	0.00 - 0.00763	3
Asbestos Structures > 5um	2.9	0.00197	0.00 - 0.00620	2
Asbestos Fibers and Bundles > 5um	1.4	0.000984	0.00 - 0.00467	1
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	4.3	0.00295	0.00 - 0.00763	3
AHERA-like Asb Strucs >5 and 3:1	2.9	0.00197	0.00 - 0.00620	2
AHERA-like Asb Strucs 5 - 10 and 3:1	1.4	0.000984	0.00 - 0.00467	1
AHERA-like Asb Strucs >10 and 3:1	1.4	0.000984	0.00 - 0.00467	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S21 A1
Client Sample No. SVBB-H2-1FD-100304
Description
Analysis Date 10/10/2004
Analyst DW

Volume (L) 611.75
No. of Grid Openings 43
Filter Area (mm2) 385
Area Analyzed (mm2) 0.623
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	3.2	0.00202	0.00 - 0.00636	2
Total Asbestos Structures	3.2	0.00202	0.00 - 0.00636	2
Asbestos Structures > 5um	0.0	<0.00302	0.00 - 0.00302	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00302	0.00 - 0.00302	0
PCM Equivalent Fibers-US	0.0	<0.00302	0.00 - 0.00302	0
PCM Equivalent Structures-US	0.0	<0.00302	0.00 - 0.00302	0
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	3.2	0.00202	0.00 - 0.00636	2
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Total Other Amphibole Strucs 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S22 A1
Client Sample No. SVBB-H2-2FD-100304
Description
Analysis Date 10/10/2004
Analyst KM

Volume (L) 563.3
No. of Grid Openings 48
Filter Area (mm2) 385
Area Analyzed (mm2) 0.696
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	0.0	<0.00294	0.00 - 0.00294	0
Total Asbestos Structures	0.0	<0.00294	0.00 - 0.00294	0
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	0.0	<0.00294	0.00 - 0.00294	0
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S23 A1
Client Sample No. SVBB-H2-3FD-100304
Description
Analysis Date 10/10/2004
Analyst DW

Volume (L) 580.91
No. of Grid Openings 46
Filter Area (mm2) 385
Area Analyzed (mm2) 0.667
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S24 A1
Client Sample No. TPG-L2-11CH-100404
Description
Analysis Date 10/10/2004
Analyst DW

Volume (L) 288.72
No. of Grid Openings 92
Filter Area (mm2) 385
Area Analyzed (mm2) 1.33
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	10.5	0.0140	0.00766 - 0.0235	14
Total Asbestos Structures	10.5	0.0140	0.00766 - 0.0235	14
Asbestos Structures > 5um	6.8	0.00900	0.00412 - 0.0171	9
Asbestos Fibers and Bundles > 5um	6.0	0.00800	0.00346 - 0.0158	8
PCM Equivalent Fibers-US	5.3	0.00700	0.00281 - 0.0144	7
PCM Equivalent Structures-US	3.0	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	1.5	0.00200	0.00 - 0.00630	2
PROTOCOL ASB STRUCS TOTAL	1.5	0.00200	0.00 - 0.00630	2
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.8	0.00100	0.00 - 0.00474	1
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.00100	0.00 - 0.00474	1
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.8	0.00100	0.00 - 0.00474	1
PROTOCOL AMPH STRUCS TOTAL	0.8	0.00100	0.00 - 0.00474	1
AHERA-like Total Structures 3:1	10.5	0.0140	0.00766 - 0.0235	14
AHERA-like Asb Strucs >5 and 3:1	6.8	0.00900	0.00412 - 0.0171	9
AHERA-like Asb Strucs 5 - 10 and 3:1	2.3	0.00300	0.00 - 0.00775	3
AHERA-like Asb Strucs >10 and 3:1	4.5	0.00600	0.00220 - 0.0131	6
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S25 A1
Client Sample No. TPG-L2-1CH-100404
Description
Analysis Date 10/10/2004
Analyst KM

Volume (L) 291.6
No. of Grid Openings 91
Filter Area (mm2) 385
Area Analyzed (mm2) 1.32
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	19.7	0.0260	0.0170 - 0.0381	26
Total Asbestos Structures	19.7	0.0260	0.0170 - 0.0381	26
Asbestos Structures > 5um	9.9	0.0130	0.00693 - 0.0223	13
Asbestos Fibers and Bundles > 5um	6.8	0.00901	0.00412 - 0.0171	9
PCM Equivalent Fibers-US	6.1	0.00801	0.00346 - 0.0158	8
PCM Equivalent Structures-US	5.3	0.00701	0.00282 - 0.0144	7
PROTOCOL ASB STRUCS 5-10	2.3	0.00300	0.00 - 0.00776	3
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	2.3	0.00300	0.00 - 0.00776	3
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	1.5	0.00200	0.00 - 0.00631	2
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	1.5	0.00200	0.00 - 0.00631	2
AHERA-like Total Structures 3:1	19.7	0.0260	0.0170 - 0.0381	26
AHERA-like Asb Strucs >5 and 3:1	9.9	0.0130	0.00693 - 0.0223	13
AHERA-like Asb Strucs 5 - 10 and 3:1	6.8	0.00901	0.00412 - 0.0171	9
AHERA-like Asb Strucs >10 and 3:1	3.0	0.00401	0.00109 - 0.0103	4
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S26 A1
Client Sample No. TPG-L2-1ZB-100404
Description
Analysis Date 10/11/2004
Analyst JH

Volume (L) 303.6
No. of Grid Openings 88
Filter Area (mm2) 385
Area Analyzed (mm2) 1.28
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	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S27 A1
Client Sample No. TPG-L2-2CH-100404
Description
Analysis Date 10/11/2004
Analyst JH

Volume (L) 290.4
No. of Grid Openings 44
Filter Area (mm2) 385
Area Analyzed (mm2) 0.638
Analytical Sens. (struc/cc) 0.00208
Dectection Limit. (struc/cc) 0.00622

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	83.1	0.110	0.0826 - 0.144 (Poisson)	53
Total Asbestos Structures	87.8	0.116	0.0880 - 0.151 (Poisson)	56
Asbestos Structures > 5um	17.3	0.0229	0.0114 - 0.0409	11
Asbestos Fibers and Bundles > 5um	7.8	0.0104	0.00338 - 0.0243	5
PCM Equivalent Fibers-US	6.3	0.00832	0.00227 - 0.0213	4
PCM Equivalent Structures-US	4.7	0.00624	0.00 - 0.0161	3
PROTOCOL ASB STRUCS 5-10	1.6	0.00208	0.00 - 0.00986	1
PROTOCOL ASB STRUCS >10	0.0	<0.00622	0.00 - 0.00622	0
PROTOCOL ASB STRUCS TOTAL	1.6	0.00208	0.00 - 0.00986	1
PROTOCOL CHRYS STRUCS 5-10	1.6	0.00208	0.00 - 0.00986	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00622	0.00 - 0.00622	0
PROTOCOL CHRYS STRUCS TOTAL	1.6	0.00208	0.00 - 0.00986	1
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00622	0.00 - 0.00622	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00622	0.00 - 0.00622	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00622	0.00 - 0.00622	0
AHERA-like Total Structures 3:1	81.6	0.108	0.0808 - 0.142 (Poisson)	52
AHERA-like Asb Strucs >5 and 3:1	17.3	0.0229	0.0114 - 0.0409	11
AHERA-like Asb Strucs 5 - 10 and 3:1	9.4	0.0125	0.00458 - 0.0272	6
AHERA-like Asb Strucs >10 and 3:1	7.8	0.0104	0.00338 - 0.0243	5
Total Other Amphibole Strucs 3:1	0.0	<0.00622	0.00 - 0.00622	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00622	0.00 - 0.00622	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00622	0.00 - 0.00622	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00622	0.00 - 0.00622	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S28 A1
Client Sample No. TPG-L2-3CH-100404
Description
Analysis Date 10/11/2004
Analyst KM

Volume (L) 299.16
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
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	17.1	0.0220	0.0138 - 0.0332	22
Total Asbestos Structures	17.1	0.0220	0.0138 - 0.0332	22
Asbestos Structures > 5um	4.7	0.00599	0.00220 - 0.0130	6
Asbestos Fibers and Bundles > 5um	1.6	0.00200	0.00 - 0.00629	2
PCM Equivalent Fibers-US	0.8	0.000998	0.00 - 0.00473	1
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	17.1	0.0220	0.0138 - 0.0332	22
AHERA-like Asb Strucs >5 and 3:1	4.7	0.00599	0.00220 - 0.0130	6
AHERA-like Asb Strucs 5 - 10 and 3:1	3.9	0.00499	0.00162 - 0.0116	5
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S29 A1
Client Sample No. TPG-L2-4CH-100404
Description
Analysis Date 10/12/2004
Analyst DW

Volume (L) 290
No. of Grid Openings 17
Filter Area (mm2) 385
Area Analyzed (mm2) 0.246
Analytical Sens. (struc/cc) 0.00539
Dectection Limit. (struc/cc) 0.0161

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	198.9	0.264	0.195 - 0.349 (Poisson)	49
Total Asbestos Structures	215.2	0.286	0.214 - 0.374 (Poisson)	53
Asbestos Structures > 5um	60.9	0.0808	0.0452 - 0.133	15
Asbestos Fibers and Bundles > 5um	8.1	0.0108	0.00 - 0.0340	2
PCM Equivalent Fibers-US	8.1	0.0108	0.00 - 0.0340	2
PCM Equivalent Structures-US	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL ASB STRUCS >10	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL AMPH STRUCS >10	0.0	<0.0161	0.00 - 0.0161	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.0161	0.00 - 0.0161	0
AHERA-like Total Structures 3:1	198.9	0.264	0.195 - 0.349 (Poisson)	49
AHERA-like Asb Strucs >5 and 3:1	60.9	0.0808	0.0452 - 0.133	15
AHERA-like Asb Strucs 5 - 10 and 3:1	32.5	0.0431	0.0186 - 0.0850	8
AHERA-like Asb Strucs >10 and 3:1	28.4	0.0377	0.0152 - 0.0777	7
Total Other Amphibole Strucs 3:1	0.0	<0.0161	0.00 - 0.0161	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.0161	0.00 - 0.0161	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.0161	0.00 - 0.0161	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.0161	0.00 - 0.0161	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S30 A1
Client Sample No. TPG-L2-5CH-100404
Description
Analysis Date 10/12/2004
Analyst JH

Volume (L) 288.84
No. of Grid Openings 71
Filter Area (mm2) 385
Area Analyzed (mm2) 1.03
Analytical Sens. (struc/cc) 0.00130
Dectection Limit. (struc/cc) 0.00387

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	41.8	0.0557	0.0403 - 0.0750 (Poisson)	43
Total Asbestos Structures	48.6	0.0648	0.0481 - 0.0854 (Poisson)	50
Asbestos Structures > 5um	9.7	0.0130	0.00621 - 0.0238	10
Asbestos Fibers and Bundles > 5um	4.9	0.00648	0.00210 - 0.0151	5
PCM Equivalent Fibers-US	3.9	0.00518	0.00141 - 0.0133	4
PCM Equivalent Structures-US	2.9	0.00389	0.00 - 0.0100	3
PROTOCOL ASB STRUCS 5-10	1.9	0.00259	0.00 - 0.00816	2
PROTOCOL ASB STRUCS >10	0.0	<0.00387	0.00 - 0.00387	0
PROTOCOL ASB STRUCS TOTAL	1.9	0.00259	0.00 - 0.00816	2
PROTOCOL CHRYS STRUCS 5-10	1.0	0.00130	0.00 - 0.00614	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00387	0.00 - 0.00387	0
PROTOCOL CHRYS STRUCS TOTAL	1.0	0.00130	0.00 - 0.00614	1
PROTOCOL AMPH STRUCS 5-10	1.0	0.00130	0.00 - 0.00614	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00387	0.00 - 0.00387	0
PROTOCOL AMPH STRUCS TOTAL	1.0	0.00130	0.00 - 0.00614	1
AHERA-like Total Structures 3:1	41.8	0.0557	0.0403 - 0.0750 (Poisson)	43
AHERA-like Asb Strucs >5 and 3:1	9.7	0.0130	0.00621 - 0.0238	10
AHERA-like Asb Strucs 5 - 10 and 3:1	8.7	0.0117	0.00533 - 0.0221	9
AHERA-like Asb Strucs >10 and 3:1	1.0	0.00130	0.00 - 0.00614	1
Total Other Amphibole Strucs 3:1	0.0	<0.00387	0.00 - 0.00387	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00387	0.00 - 0.00387	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00387	0.00 - 0.00387	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00387	0.00 - 0.00387	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S31 A1
Client Sample No. RHB-H2-1FD-100304
Description
Analysis Date 11/3/2004
Analyst JH

Volume (L) 1186.08
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 - 0.00462	1
Total Asbestos Structures	3.0	0.000974	0.00 - 0.00462	1
Asbestos Structures > 5um	3.0	0.000974	0.00 - 0.00462	1
Asbestos Fibers and Bundles > 5um	3.0	0.000974	0.00 - 0.00462	1
PCM Equivalent Fibers-US	3.0	0.000974	0.00 - 0.00462	1
PCM Equivalent Structures-US	3.0	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	3.0	0.000974	0.00 - 0.00462	1
AHERA-like Asb Strucs >5 and 3:1	3.0	0.000974	0.00 - 0.00462	1
AHERA-like Asb Strucs 5 - 10 and 3:1	3.0	0.000974	0.00 - 0.00462	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S32 A1
Client Sample No. RHB-H2-2FD-100304
Description
Analysis Date 11/3/2004
Analyst JH

Volume (L) 1220
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
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	18.8	0.00594	0.00218 - 0.0129	6
Total Asbestos Structures	18.8	0.00594	0.00218 - 0.0129	6
Asbestos Structures > 5um	9.4	0.00297	0.00 - 0.00767	3
Asbestos Fibers and Bundles > 5um	9.4	0.00297	0.00 - 0.00767	3
PCM Equivalent Fibers-US	9.4	0.00297	0.00 - 0.00767	3
PCM Equivalent Structures-US	9.4	0.00297	0.00 - 0.00767	3
PROTOCOL ASB STRUCS 5-10	3.1	0.000990	0.00 - 0.00469	1
PROTOCOL ASB STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS TOTAL	3.1	0.000990	0.00 - 0.00469	1
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	3.1	0.000990	0.00 - 0.00469	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS TOTAL	3.1	0.000990	0.00 - 0.00469	1
AHERA-like Total Structures 3:1	18.8	0.00594	0.00218 - 0.0129	6
AHERA-like Asb Strucs >5 and 3:1	9.4	0.00297	0.00 - 0.00767	3
AHERA-like Asb Strucs 5 - 10 and 3:1	6.3	0.00198	0.00 - 0.00624	2
AHERA-like Asb Strucs >10 and 3:1	3.1	0.000990	0.00 - 0.00469	1
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S33 A1
Client Sample No. RHB-H2-3FD-100304
Description
Analysis Date 11/3/2004
Analyst KM

Volume (L) 1140.7
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.00101
Dectection Limit. (struc/cc) 0.00303

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	6.0	0.00203	0.00 - 0.00638	2
Total Asbestos Structures	6.0	0.00203	0.00 - 0.00638	2
Asbestos Structures > 5um	3.0	0.00101	0.00 - 0.00480	1
Asbestos Fibers and Bundles > 5um	3.0	0.00101	0.00 - 0.00480	1
PCM Equivalent Fibers-US	3.0	0.00101	0.00 - 0.00480	1
PCM Equivalent Structures-US	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL ASB STRUCS >10	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00303	0.00 - 0.00303	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00303	0.00 - 0.00303	0
AHERA-like Total Structures 3:1	6.0	0.00203	0.00 - 0.00638	2
AHERA-like Asb Strucs >5 and 3:1	3.0	0.00101	0.00 - 0.00480	1
AHERA-like Asb Strucs 5 - 10 and 3:1	3.0	0.00101	0.00 - 0.00480	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00303	0.00 - 0.00303	0
Total Other Amphibole Strucs 3:1	0.0	<0.00303	0.00 - 0.00303	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00303	0.00 - 0.00303	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00303	0.00 - 0.00303	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00303	0.00 - 0.00303	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S34 A1
Client Sample No. RHB-L2-1CH-100304
Description
Analysis Date 11/3/2004
Analyst TM

Volume (L) 309.12
No. of Grid Openings 86
Filter Area (mm2) 385
Area Analyzed (mm2) 1.25
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	7.2	0.00900	0.00411 - 0.0171	9
Total Asbestos Structures	7.2	0.00900	0.00411 - 0.0171	9
Asbestos Structures > 5um	4.8	0.00600	0.00220 - 0.0131	6
Asbestos Fibers and Bundles > 5um	2.4	0.00300	0.00 - 0.00775	3
PCM Equivalent Fibers-US	2.4	0.00300	0.00 - 0.00775	3
PCM Equivalent Structures-US	2.4	0.00300	0.00 - 0.00775	3
PROTOCOL ASB STRUCS 5-10	0.8	0.000999	0.00 - 0.00474	1
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.8	0.000999	0.00 - 0.00474	1
PROTOCOL CHRYS STRUCS 5-10	0.8	0.000999	0.00 - 0.00474	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.000999	0.00 - 0.00474	1
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	7.2	0.00900	0.00411 - 0.0171	9
AHERA-like Asb Strucs >5 and 3:1	4.8	0.00600	0.00220 - 0.0131	6
AHERA-like Asb Strucs 5 - 10 and 3:1	4.0	0.00500	0.00162 - 0.0117	5
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S35 A1
Client Sample No. RHB-L2-2CH-100304
Description
Analysis Date 11/3/2004
Analyst DW

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	2.3	0.00299	0.00 - 0.00771	3
Total Asbestos Structures	2.3	0.00299	0.00 - 0.00771	3
Asbestos Structures > 5um	1.5	0.00199	0.00 - 0.00627	2
Asbestos Fibers and Bundles > 5um	1.5	0.00199	0.00 - 0.00627	2
PCM Equivalent Fibers-US	1.5	0.00199	0.00 - 0.00627	2
PCM Equivalent Structures-US	0.8	0.000995	0.00 - 0.00472	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	2.3	0.00299	0.00 - 0.00771	3
AHERA-like Asb Strucs >5 and 3:1	1.5	0.00199	0.00 - 0.00627	2
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	0.8	0.000995	0.00 - 0.00472	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S36 A1
Client Sample No. RHB-L2-3CH-100304
Description
Analysis Date 11/4/2004
Analyst JH

Volume (L) 306.48
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	0.8	0.000996	0.00 - 0.00472	1
Total Asbestos Structures	0.8	0.000996	0.00 - 0.00472	1
Asbestos Structures > 5um	0.8	0.000996	0.00 - 0.00472	1
Asbestos Fibers and Bundles > 5um	0.8	0.000996	0.00 - 0.00472	1
PCM Equivalent Fibers-US	0.8	0.000996	0.00 - 0.00472	1
PCM Equivalent Structures-US	0.8	0.000996	0.00 - 0.00472	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	0.8	0.000996	0.00 - 0.00472	1
AHERA-like Asb Strucs >5 and 3:1	0.8	0.000996	0.00 - 0.00472	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000996	0.00 - 0.00472	1
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S37 A1
Client Sample No. RHB-L2-4CH-100304
Description
Analysis Date 11/4/2004
Analyst KM

Volume (L) 312.48
No. of Grid Openings 86
Filter Area (mm2) 385
Area Analyzed (mm2) 1.25
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	3.2	0.00395	0.00108 - 0.0101	4
Total Asbestos Structures	3.2	0.00395	0.00108 - 0.0101	4
Asbestos Structures > 5um	2.4	0.00297	0.00 - 0.00766	3
Asbestos Fibers and Bundles > 5um	0.8	0.000989	0.00 - 0.00469	1
PCM Equivalent Fibers-US	0.8	0.000989	0.00 - 0.00469	1
PCM Equivalent Structures-US	0.8	0.000989	0.00 - 0.00469	1
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	3.2	0.00395	0.00108 - 0.0101	4
AHERA-like Asb Strucs >5 and 3:1	2.4	0.00297	0.00 - 0.00766	3
AHERA-like Asb Strucs 5 - 10 and 3:1	2.4	0.00297	0.00 - 0.00766	3
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S38 A1
Client Sample No. RHB-L2-5CH-100304
Description
Analysis Date 11/4/2004
Analyst KM

Volume (L) 295.56
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	3.1	0.00400	0.00109 - 0.0102	4
Total Asbestos Structures	3.1	0.00400	0.00109 - 0.0102	4
Asbestos Structures > 5um	1.5	0.00200	0.00 - 0.00629	2
Asbestos Fibers and Bundles > 5um	0.8	0.000999	0.00 - 0.00473	1
PCM Equivalent Fibers-US	0.8	0.000999	0.00 - 0.00473	1
PCM Equivalent Structures-US	0.8	0.000999	0.00 - 0.00473	1
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	0.00400	0.00109 - 0.0102	4
AHERA-like Asb Strucs >5 and 3:1	1.5	0.00200	0.00 - 0.00629	2
AHERA-like Asb Strucs 5 - 10 and 3:1	1.5	0.00200	0.00 - 0.00629	2
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S39 A1
Client Sample No. SVBA-L2-11CH-100204
Description
Analysis Date 11/4/2004
Analyst TM

Volume (L) 296.24
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
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	14.6	0.0189	0.0114 - 0.0296	19
Total Asbestos Structures	14.6	0.0189	0.0114 - 0.0296	19
Asbestos Structures > 5um	10.0	0.0130	0.00690 - 0.0222	13
Asbestos Fibers and Bundles > 5um	6.1	0.00797	0.00344 - 0.0157	8
PCM Equivalent Fibers-US	5.4	0.00698	0.00280 - 0.0144	7
PCM Equivalent Structures-US	3.8	0.00498	0.00162 - 0.0116	5
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	14.6	0.0189	0.0114 - 0.0296	19
AHERA-like Asb Strucs >5 and 3:1	10.0	0.0130	0.00690 - 0.0222	13
AHERA-like Asb Strucs 5 - 10 and 3:1	6.1	0.00797	0.00344 - 0.0157	8
AHERA-like Asb Strucs >10 and 3:1	3.8	0.00498	0.00162 - 0.0116	5
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S40 A1
Client Sample No. SVBA-L2-1CH-100204
Description
Analysis Date 11/4/2004
Analyst DW

Volume (L) 292.44
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
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	15.3	0.0202	0.0123 - 0.0312	20
Total Asbestos Structures	15.3	0.0202	0.0123 - 0.0312	20
Asbestos Structures > 5um	11.5	0.0151	0.00848 - 0.0250	15
Asbestos Fibers and Bundles > 5um	10.7	0.0141	0.00773 - 0.0237	14
PCM Equivalent Fibers-US	9.2	0.0121	0.00626 - 0.0212	12
PCM Equivalent Structures-US	7.7	0.0101	0.00484 - 0.0186	10
PROTOCOL ASB STRUCS 5-10	0.8	0.00101	0.00 - 0.00479	1
PROTOCOL ASB STRUCS >10	0.8	0.00101	0.00 - 0.00479	1
PROTOCOL ASB STRUCS TOTAL	1.5	0.00202	0.00 - 0.00636	2
PROTOCOL CHRYS STRUCS 5-10	0.8	0.00101	0.00 - 0.00479	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.00101	0.00 - 0.00479	1
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL AMPH STRUCS >10	0.8	0.00101	0.00 - 0.00479	1
PROTOCOL AMPH STRUCS TOTAL	0.8	0.00101	0.00 - 0.00479	1
AHERA-like Total Structures 3:1	15.3	0.0202	0.0123 - 0.0312	20
AHERA-like Asb Strucs >5 and 3:1	11.5	0.0151	0.00848 - 0.0250	15
AHERA-like Asb Strucs 5 - 10 and 3:1	4.6	0.00606	0.00222 - 0.0132	6
AHERA-like Asb Strucs >10 and 3:1	6.9	0.00909	0.00415 - 0.0172	9
Total Other Amphibole Strucs 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S41 A1
Client Sample No. SVBA-L2-2CH-100204
Description
Analysis Date 11/5/2004
Analyst JH

Volume (L) 297.72
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
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	10.7	0.0139	0.00759 - 0.0233	14
Total Asbestos Structures	10.7	0.0139	0.00759 - 0.0233	14
Asbestos Structures > 5um	5.4	0.00694	0.00279 - 0.0143	7
Asbestos Fibers and Bundles > 5um	3.8	0.00496	0.00161 - 0.0116	5
PCM Equivalent Fibers-US	1.5	0.00198	0.00 - 0.00625	2
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	10.7	0.0139	0.00759 - 0.0233	14
AHERA-like Asb Strucs >5 and 3:1	5.4	0.00694	0.00279 - 0.0143	7
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	4.6	0.00595	0.00218 - 0.0130	6
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S42 A1
Client Sample No. SVBA-L2-3CH-100204
Description
Analysis Date 11/6/2004
Analyst KM

Volume (L) 299.52
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	7.8	0.00997	0.00478 - 0.0183	10
Total Asbestos Structures	7.0	0.00897	0.00410 - 0.0170	9
Asbestos Structures > 5um	4.7	0.00598	0.00219 - 0.0130	6
Asbestos Fibers and Bundles > 5um	3.1	0.00399	0.00109 - 0.0102	4
PCM Equivalent Fibers-US	3.1	0.00399	0.00109 - 0.0102	4
PCM Equivalent Structures-US	1.6	0.00199	0.00 - 0.00628	2
PROTOCOL ASB STRUCS 5-10	1.6	0.00199	0.00 - 0.00628	2
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	1.6	0.00199	0.00 - 0.00628	2
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	1.6	0.00199	0.00 - 0.00628	2
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	1.6	0.00199	0.00 - 0.00628	2
AHERA-like Total Structures 3:1	7.0	0.00897	0.00410 - 0.0170	9
AHERA-like Asb Strucs >5 and 3:1	4.7	0.00598	0.00219 - 0.0130	6
AHERA-like Asb Strucs 5 - 10 and 3:1	2.3	0.00299	0.00 - 0.00772	3
AHERA-like Asb Strucs >10 and 3:1	2.3	0.00299	0.00 - 0.00772	3
Total Other Amphibole Strucs 3:1	0.8	0.000997	0.00 - 0.00472	1
Other Amphibole Strucs >5 and 3:1	0.8	0.000997	0.00 - 0.00472	1
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.8	0.000997	0.00 - 0.00472	1

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S43 A1
Client Sample No. SVBA-L2-4CH-100204
Description
Analysis Date 11/6/2004
Analyst JH

Volume (L) 293.28
No. of Grid Openings 91
Filter Area (mm2) 385
Area Analyzed (mm2) 1.32
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	8.3	0.0110	0.00547 - 0.0196	11
Total Asbestos Structures	8.3	0.0110	0.00547 - 0.0196	11
Asbestos Structures > 5um	6.8	0.00896	0.00410 - 0.0170	9
Asbestos Fibers and Bundles > 5um	6.8	0.00896	0.00410 - 0.0170	9
PCM Equivalent Fibers-US	5.3	0.00697	0.00280 - 0.0144	7
PCM Equivalent Structures-US	5.3	0.00697	0.00280 - 0.0144	7
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	8.3	0.0110	0.00547 - 0.0196	11
AHERA-like Asb Strucs >5 and 3:1	6.8	0.00896	0.00410 - 0.0170	9
AHERA-like Asb Strucs 5 - 10 and 3:1	3.8	0.00498	0.00162 - 0.0116	5
AHERA-like Asb Strucs >10 and 3:1	3.0	0.00398	0.00109 - 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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S44 A1
Client Sample No. SVBA-L2-5CH-100204
Description
Analysis Date 11/6/2004
Analyst KM

Volume (L) 291.12
No. of Grid Openings 93
Filter Area (mm2) 385
Area Analyzed (mm2) 1.35
Analytical Sens. (struc/cc) 0.000981
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	10.4	0.0137	0.00751 - 0.0231	14
Total Asbestos Structures	9.6	0.0128	0.00679 - 0.0218	13
Asbestos Structures > 5um	5.2	0.00687	0.00276 - 0.0142	7
Asbestos Fibers and Bundles > 5um	4.5	0.00589	0.00216 - 0.0128	6
PCM Equivalent Fibers-US	3.7	0.00491	0.00159 - 0.0115	5
PCM Equivalent Structures-US	3.0	0.00393	0.00107 - 0.0101	4
PROTOCOL ASB STRUCS 5-10	0.7	0.000981	0.00 - 0.00465	1
PROTOCOL ASB STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS TOTAL	0.7	0.000981	0.00 - 0.00465	1
PROTOCOL CHRYS STRUCS 5-10	0.7	0.000981	0.00 - 0.00465	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS TOTAL	0.7	0.000981	0.00 - 0.00465	1
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	10.4	0.0137	0.00751 - 0.0231	14
AHERA-like Asb Strucs >5 and 3:1	5.2	0.00687	0.00276 - 0.0142	7
AHERA-like Asb Strucs 5 - 10 and 3:1	3.0	0.00393	0.00107 - 0.0101	4
AHERA-like Asb Strucs >10 and 3:1	2.2	0.00294	0.00 - 0.00761	3
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S45 A1
Client Sample No. SVBB-L2-12CH-100304
Description
Analysis Date 11/7/2004
Analyst KM

Volume (L) 288.75
No. of Grid Openings 93
Filter Area (mm2) 385
Area Analyzed (mm2) 1.35
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	3.0	0.00396	0.00108 - 0.0101	4
Total Asbestos Structures	3.7	0.00495	0.00161 - 0.0115	5
Asbestos Structures > 5um	0.7	0.000989	0.00 - 0.00469	1
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	3.0	0.00396	0.00108 - 0.0101	4
AHERA-like Asb Strucs >5 and 3:1	0.7	0.000989	0.00 - 0.00469	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.7	0.000989	0.00 - 0.00469	1
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S46 A1
Client Sample No. SVBB-L2-1CH-100304
Description
Analysis Date 11/7/2004
Analyst TM

Volume (L) 302.56
No. of Grid Openings 88
Filter Area (mm2) 385
Area Analyzed (mm2) 1.28
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	5.5	0.00699	0.00281 - 0.0144	7
Total Asbestos Structures	5.5	0.00699	0.00281 - 0.0144	7
Asbestos Structures > 5um	4.7	0.00599	0.00220 - 0.0130	6
Asbestos Fibers and Bundles > 5um	4.7	0.00599	0.00220 - 0.0130	6
PCM Equivalent Fibers-US	3.1	0.00399	0.00109 - 0.0102	4
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	5.5	0.00699	0.00281 - 0.0144	7
AHERA-like Asb Strucs >5 and 3:1	4.7	0.00599	0.00220 - 0.0130	6
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	3.1	0.00399	0.00109 - 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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S47 A1
Client Sample No. SVBB-L2-2CH-100304
Description
Analysis Date 11/7/2004
Analyst DW

Volume (L) 309.16
No. of Grid Openings 86
Filter Area (mm2) 385
Area Analyzed (mm2) 1.25
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	8.0	0.00999	0.00479 - 0.0184	10
Total Asbestos Structures	8.0	0.00999	0.00479 - 0.0184	10
Asbestos Structures > 5um	5.6	0.00700	0.00281 - 0.0144	7
Asbestos Fibers and Bundles > 5um	4.8	0.00600	0.00220 - 0.0131	6
PCM Equivalent Fibers-US	4.8	0.00600	0.00220 - 0.0131	6
PCM Equivalent Structures-US	0.8	0.000999	0.00 - 0.00474	1
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	8.0	0.00999	0.00479 - 0.0184	10
AHERA-like Asb Strucs >5 and 3:1	5.6	0.00700	0.00281 - 0.0144	7
AHERA-like Asb Strucs 5 - 10 and 3:1	1.6	0.00200	0.00 - 0.00630	2
AHERA-like Asb Strucs >10 and 3:1	4.0	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S48 A1
Client Sample No. SVBB-L2-3CH-100304
Description
Analysis Date 11/8/2004
Analyst KM

Volume (L) 312.66
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
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	4.8	0.00586	0.00215 - 0.0128	6
Total Asbestos Structures	4.8	0.00586	0.00215 - 0.0128	6
Asbestos Structures > 5um	3.2	0.00391	0.00106 - 0.0100	4
Asbestos Fibers and Bundles > 5um	3.2	0.00391	0.00106 - 0.0100	4
PCM Equivalent Fibers-US	3.2	0.00391	0.00106 - 0.0100	4
PCM Equivalent Structures-US	2.4	0.00293	0.00 - 0.00757	3
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	4.8	0.00586	0.00215 - 0.0128	6
AHERA-like Asb Strucs >5 and 3:1	3.2	0.00391	0.00106 - 0.0100	4
AHERA-like Asb Strucs 5 - 10 and 3:1	2.4	0.00293	0.00 - 0.00757	3
AHERA-like Asb Strucs >10 and 3:1	0.8	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S49 A1
Client Sample No. SVBB-L2-4CH-100304
Description
Analysis Date 11/8/2004
Analyst KM

Volume (L) 299.35
No. of Grid Openings 60
Filter Area (mm2) 385
Area Analyzed (mm2) 0.869
Analytical Sens. (struc/cc) 0.00148
Dectection Limit. (struc/cc) 0.00442

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	6.9	0.00888	0.00326 - 0.0193	6
Total Asbestos Structures	6.9	0.00888	0.00326 - 0.0193	6
Asbestos Structures > 5um	3.5	0.00444	0.00 - 0.0115	3
Asbestos Fibers and Bundles > 5um	2.3	0.00296	0.00 - 0.00932	2
PCM Equivalent Fibers-US	2.3	0.00296	0.00 - 0.00932	2
PCM Equivalent Structures-US	2.3	0.00296	0.00 - 0.00932	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL ASB STRUCS >10	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00442	0.00 - 0.00442	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00442	0.00 - 0.00442	0
AHERA-like Total Structures 3:1	6.9	0.00888	0.00326 - 0.0193	6
AHERA-like Asb Strucs >5 and 3:1	3.5	0.00444	0.00 - 0.0115	3
AHERA-like Asb Strucs 5 - 10 and 3:1	2.3	0.00296	0.00 - 0.00932	2
AHERA-like Asb Strucs >10 and 3:1	1.2	0.00148	0.00 - 0.00701	1
Total Other Amphibole Strucs 3:1	0.0	<0.00442	0.00 - 0.00442	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00442	0.00 - 0.00442	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00442	0.00 - 0.00442	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00442	0.00 - 0.00442	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S50 A1
Client Sample No. SVBB-L2-5CH-100304
Description
Analysis Date 11/8/2004
Analyst JH

Volume (L) 313.51
No. of Grid Openings 85
Filter Area (mm2) 385
Area Analyzed (mm2) 1.23
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	3.2	0.00399	0.00109 - 0.0102	4
Total Asbestos Structures	3.2	0.00399	0.00109 - 0.0102	4
Asbestos Structures > 5um	1.6	0.00199	0.00 - 0.00628	2
Asbestos Fibers and Bundles > 5um	1.6	0.00199	0.00 - 0.00628	2
PCM Equivalent Fibers-US	0.8	0.000997	0.00 - 0.00473	1
PCM Equivalent Structures-US	0.8	0.000997	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	3.2	0.00399	0.00109 - 0.0102	4
AHERA-like Asb Strucs >5 and 3:1	1.6	0.00199	0.00 - 0.00628	2
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	1.6	0.00199	0.00 - 0.00628	2
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S51 A1
Client Sample No. SVM-H2-1FD-100204
Description
Analysis Date 11/8/2004
Analyst DW

Volume (L) 1209.75
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
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	6.3	0.00200	0.00 - 0.00629	2
Total Asbestos Structures	6.3	0.00200	0.00 - 0.00629	2
Asbestos Structures > 5um	3.1	0.000998	0.00 - 0.00473	1
Asbestos Fibers and Bundles > 5um	3.1	0.000998	0.00 - 0.00473	1
PCM Equivalent Fibers-US	3.1	0.000998	0.00 - 0.00473	1
PCM Equivalent Structures-US	3.1	0.000998	0.00 - 0.00473	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	3.1	0.000998	0.00 - 0.00473	1
PROTOCOL ASB STRUCS TOTAL	3.1	0.000998	0.00 - 0.00473	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	3.1	0.000998	0.00 - 0.00473	1
PROTOCOL CHRYS STRUCS TOTAL	3.1	0.000998	0.00 - 0.00473	1
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	6.3	0.00200	0.00 - 0.00629	2
AHERA-like Asb Strucs >5 and 3:1	3.1	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	3.1	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S52 A1
Client Sample No. SVM-H2-2FD-100204
Description
Analysis Date 11/8/2004
Analyst DW

Volume (L) 1192.92
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000968
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	9.0	0.00291	0.00 - 0.00751	3
Total Asbestos Structures	9.0	0.00291	0.00 - 0.00751	3
Asbestos Structures > 5um	6.0	0.00194	0.00 - 0.00610	2
Asbestos Fibers and Bundles > 5um	6.0	0.00194	0.00 - 0.00610	2
PCM Equivalent Fibers-US	6.0	0.00194	0.00 - 0.00610	2
PCM Equivalent Structures-US	6.0	0.00194	0.00 - 0.00610	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	9.0	0.00291	0.00 - 0.00751	3
AHERA-like Asb Strucs >5 and 3:1	6.0	0.00194	0.00 - 0.00610	2
AHERA-like Asb Strucs 5 - 10 and 3:1	6.0	0.00194	0.00 - 0.00610	2
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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4760 S53 A1
Client Sample No. SVM-H2-3FD-100204
Description
Analysis Date 11/8/2004
Analyst DW

Volume (L) 1215.12
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
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	3.1	0.000994	0.00 - 0.00471	1
Total Asbestos Structures	3.1	0.000994	0.00 - 0.00471	1
Asbestos Structures > 5um	3.1	0.000994	0.00 - 0.00471	1
Asbestos Fibers and Bundles > 5um	3.1	0.000994	0.00 - 0.00471	1
PCM Equivalent Fibers-US	3.1	0.000994	0.00 - 0.00471	1
PCM Equivalent Structures-US	3.1	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	3.1	0.000994	0.00 - 0.00471	1
AHERA-like Asb Strucs >5 and 3:1	3.1	0.000994	0.00 - 0.00471	1
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	3.1	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-1ZB-100404 *Lab/Cor Sample No.:* B4760 S3 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	B33		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		NSD									
A	22	B20		NSD									
A	23	B10		NSD									
A	24	D41		NSD									
A	25	D21		NSD									
A	26	D1		NSD									
A	27	A11		NSD									
A	28	A31		NSD									
A	29	A42		NSD									
A	30	A22		NSD									
A	31	A2		NSD									
A	32	D12		NSD									
A	33	D32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-1ZB-100404 *Lab/Cor Sample No.:* B4760 S3 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	34	D43		NSD									
B	35	B44		NSD									
B	36	B24		NSD									
B	37	B4		NSD									
B	38	C14		NSD									
B	39	C34		NSD									
B	40	C43		NSD									
B	41	C23		NSD									
B	42	C3		NSD									
B	43	B13		NSD									
B	44	B33		NSD									
B	45	B42		NSD									
B	46	B22		NSD									
B	47	B2		NSD									
B	48	C12		NSD									
B	49	C32		NSD									
B	50	C41		NSD									
B	51	C21		NSD									
B	52	C1		NSD									
B	53	B11		NSD									
B	54	B31		NSD									
B	55	B40		NSD									
B	56	B20		NSD									
B	57	B10		NSD									
B	58	A10		NSD									
B	59	A30		NSD									
B	60	A41		NSD									
B	61	A21		NSD									
C	62	B43		NSD									
C	63	B23		NSD									
C	64	B3		NSD									
C	65	C13		NSD									
C	66	C33		NSD									
C	67	C42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-1ZB-100404 *Lab/Cor Sample No.:* B4760 S3 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	68	C22		NSD									
C	69	C2		NSD									
C	70	B12		NSD									
C	71	B32		NSD									
C	72	B41		NSD									
C	73	B21		NSD									
C	74	B1		NSD									
C	75	C11		NSD									
C	76	C31		NSD									
C	77	C41		NSD									
C	78	C40		NSD									
C	79	C20		NSD									
C	80	C10		NSD									
C	81	D11		NSD									
C	82	D31		NSD									
C	83	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S4 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34	ADQ	1	1	F	7.5	0.8	9.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B14		NSD									
A	3	C14		NSD									
A	4	C44	ADQ	2	2	F	4.8	0.8	6.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	5	B23		NSD									
A	6	B3		NSD									
A	7	C13		NSD									
A	8	C43		NSD									
A	9	B42		NSD									
A	10	B22		NSD									
A	11	B2		NSD									
A	12	C12		NSD									
A	13	C32	AZQ	3	3	F	8	0.5	16	845	544	Mg, Si, Ca, Fe Actinolite Zone Axis [3 1 0] -- KM	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	B21		NSD									
A	15	B1		NSD									
A	16	C11		NSD									
A	17	C31		NSD									
A	18	B20		NSD									
A	19	B10		NSD									
A	20	A20		NSD									
A	21	A10		NSD									
A	22	D10	ADQ	4	4	F	2	0.38	5.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	23	D40		NSD									
A	24	A21		NSD									
A	25	A1		NSD									
A	26	D11		NSD									
A	27	D31		NSD									
A	28	A32	ADQ	5	5	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
A	29	A12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S4 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	30	D2	CDQ	6	6	B	4.5	0.2	22	802	546	Mg, Si Chrysotile Confirmed - KM	TAS_AHRA
A	31	D22		NSD									
B	32	B24		NSD									
B	33	B14		NSD									
B	34	C14	ADQ	7	7	F	2.5	0.4	6.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	35	C24		NSD									
B	36	C34		NSD									
B	37	B33	CDQ	8	8	B	24	1	24			Mg, Si Chrysotile	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	38	B13	CDQ	9	9	B	5.3	0.4	13			Mg, Si 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
B	38	B13	CDQ	10	10	F	1.2	0.08	15			Mg, Si Chrysotile	TAS_AHRA
B	39	C3		NSD									
B	40	C23		NSD									
B	41	C43		NSD									
B	42	B12		NSD									
B	43	C2		NSD									
B	44	C22		NSD									
B	45	C42		NSD									
B	46	B11		NSD									
B	47	C1		NSD									
B	48	C21		NSD									
B	49	C41		NSD									
B	50	B40		NSD									
B	51	B20	ADQ	11	11	F	3.5	0.5	7.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	52	C20		NSD									
B	53	C40		NSD									
B	54	D10	ADQ	12	12	F	4	0.4	10			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	55	D40		NSD									
B	56	A30		NSD									
B	57	A10		NSD									
B	58	A31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S4 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	59	A1		NSD									
B	60	D1		NSD									
B	61	D21		NSD									
B	62	D41		NSD									
C	63	B44		NSD									
C	64	C34	CMQ	13	13	F	1.2	0.1	12			Mg, Si Chrysotile	TAS_AHRA
C	65	C44		NSD									
C	66	B33		NSD									
C	67	B13	ADQ	14	14	F	8.5	0.6	14			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	68	C23		NSD									
C	69	C33		NSD									
C	70	B22		NSD									
C	71	B12		NSD									
C	72	C12		NSD									
C	73	C32		NSD									
C	74	C42		NSD									
C	75	B1		NSD									
C	76	C1		NSD									
C	77	C11		NSD									
C	78	C31		NSD									
C	79	A30		NSD									
C	80	A10		NSD									
C	81	D20		NSD									
C	82	D40		NSD									
C	83	A11	ADQ	15	15	F	5.5	0.7	7.9			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	84	A31		NSD									
C	85	D1		NSD									
C	86	D21		NSD									
C	87	D41		NSD									
C	88	A33	ADQ	16		MD1-0	5.3	1.5	3.5			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S4 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	88	A33	ADQ		16	MF	2.2	0.38	5.8			Mg, Al, Si, Ca, Fe Actinolite	
C	89	A13	ADQ	17	17	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
C	90	D3		NSD									
C	91	D33		NSD									
C	92	A24	CMQ	18	18	F	0.8	0.12	6.7			Mg, Al, Si, Ca, Fe Chrysotile	TAS_AHRA
C	92	A24	ADQ	19	19	F	10.5	1.5	7.0			Mg, Al, 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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S5 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	AZQ	1	1	F	8	0.8	10	804	15501	Mg, Si, Ca, Fe Actinolite Zone Axis [5 1 2] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B24		NSD									
A	3	B4		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B43		NSD									
A	7	B3		NSD									
A	8	B3		NSD									
A	9	C13		NSD									
A	10	C33		NSD									
A	11	B12	CDQ	2	2	B	0.7	0.2	3.5	805	548	Mg, Si Chrysotile Confirmed - KM	TAS_AHRA
A	12	C2		NSD									
A	13	C22		NSD									
A	14	C42		NSD									
A	15	B41		NSD									
A	16	B21	AZQ	3	3	F	1.5	0.25	6.0	806	549	Mg, Si, Ca, Fe Actinolite Zone Axis [1 0 1] - KM	TAS_AHRA
A	17	B1		NSD									
A	18	C11		NSD									
A	19	C31		NSD									
A	20	B30		NSD									
A	21	B10		NSD									
A	22	C10		NSD									
A	23	C40		NSD									
A	24	A40		NSD									
A	25	A20		NSD									
A	26	D10		NSD									
A	27	D30		NSD									
A	28	A31		NSD									
A	29	A11		NSD									
A	30	D1		NSD									
A	31	D21		NSD									
B	32	B4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S5 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C4		NSD									
B	34	C24		NSD									
B	35	A33		NSD									
B	36	D13		NSD									
B	37	D23		NSD									
B	38	D33		NSD									
B	39	D43		NSD									
B	40	A32		NSD									
B	41	D22		NSD									
B	42	D32		NSD									
B	43	D42		NSD									
B	44	A41		NSD									
B	45	A21		NSD									
B	46	D11		NSD									
B	47	D21		NSD									
B	48	D31		NSD									
B	49	D41		NSD									
B	50	D30	ADQ	4		MD1-1	13	4	3.2			Amosite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	50	D30	AZQ		4	MB	10	2	5.0	807	550	Mg, Si, Fe Amosite Zone Axis [1 0 0] - KM	AFB>5, PCMEF-US
B	51	D40		NSD									
B	52	A30	ADQ	5		MD1-0	4	2	2.0			Actinolite	TAS_AHRA
B	52	A30	ADQ		5	MF	1.2	0.22	5.5			Mg, Al, Si, Ca, Fe Actinolite	
B	52	A30	ADQ	6	6	F	5	1	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	53	A10		NSD									
B	54	C10		NSD									
B	55	C30		NSD									
B	56	B1	CM	7	7	F	1.2	0.11	11			Chrysotile	TAS_AHRA
B	57	C11		NSD									
B	58	C21		NSD									
B	59	C41		NSD									
B	60	B22		NSD									
B	61	B2		NSD									
C	62	B44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S5 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	63	B34		NSD									
C	64	B43		NSD									
C	65	B33		NSD									
C	66	B23		NSD									
C	67	B42		NSD									
C	68	B32	ADQ	8	8	F	1.8	0.12	15			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	69	B20		NSD									
C	70	B10		NSD									
C	71	A40		NSD									
C	72	A30		NSD									
C	73	D40	ADQ	9	9	F	1.8	0.3	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	74	A21		NSD									
C	75	A11		NSD									
C	76	A42		NSD									
C	77	A32		NSD									
C	78	A22		NSD									
C	79	A2		NSD									
D	80	C10		NSD									
D	81	C20		NSD									
D	82	C30		NSD									
D	83	C40		NSD									
D	84	A21		NSD									
D	85	A1		NSD									
D	86	D11		NSD									
D	87	D31		NSD									
D	88	A42		NSD									
D	89	A22		NSD									
D	90	A2		NSD									
D	91	D31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-4CH-100404 *Lab/Cor Sample No.:* B4760 S6 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A10		NSD									
A	2	A30		NSD									
A	3	B40		NSD									
A	4	B42		NSD									
A	5	B22		NSD									
A	6	B24	AZQ	1	1	F	4.8	0.8	6.0	808	551	Mg, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	TAS_AHRA
A	7	B4		NSD									
A	8	B2		NSD									
A	9	A12		NSD									
A	10	A14	ADQ	2	2	F	4.5	0.6	7.5			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	11	A13		NSD									
A	12	D3		NSD									
A	13	D1		NSD									
A	14	C1		NSD									
A	15	C3	ADQ	3	3	F	5.3	1.2	4.4			Na, Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	16	C24		NSD									
A	17	C22		NSD									
A	18	C20		NSD									
A	19	D21		NSD									
A	20	D23	AZQ	4	4	F	2.3	0.4	5.8	810	553	Mg, Si, Ca, Fe Tremolite Zone Axis [4 1 3] - KM	TAS_AHRA
A	21	D43		NSD									
A	22	D41		NSD									
A	23	C40		NSD									
A	24	C42		NSD									
A	25	C33	ADQ	5	5	F	7.5	0.7	11		554	Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	26	C13		NSD									
A	27	B3		NSD									
A	28	B23	ADQ	6	6	F	4	0.5	8.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	29	B31		NSD									
B	30	A1		NSD									
B	31	A3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-4CH-100404 *Lab/Cor Sample No.:* B4760 S6 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	A23		NSD									
B	33	A43		NSD									
B	34	A41	ADQ	7	7	F	4.8	0.4	12			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	35	B40		NSD									
B	36	B42		NSD									
B	37	B24		NSD									
B	38	B22		NSD									
B	39	B20		NSD									
B	40	A21		NSD									
B	41	A23		NSD									
B	42	A3		NSD									
B	43	A1		NSD									
B	44	B1		NSD									
B	45	B3		NSD									
B	46	C14		NSD									
B	47	C12		NSD									
B	48	C10		NSD									
B	49	D11		NSD									
B	50	D12		NSD									
B	51	D34		NSD									
B	52	D32		NSD									
B	53	D30		NSD									
B	54	C31		NSD									
B	55	C33		NSD									
B	56	C13	ADQ	8	8	F	5.5	1.2	4.6			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	56	C13	AZQ	9	9	F	5.1	1.5	3.4	843	557	Mg, Si, Ca, Fe Actinolite Ferri-actinolite - Zone Axis [4 0 -1] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	57	B3		NSD									
B	58	B23		NSD									
B	59	B21		NSD									
B	60	A10		NSD									
C	61	D1		NSD									
C	62	D3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-4CH-100404 *Lab/Cor Sample No.:* B4760 S6 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	63	D24		NSD									
C	64	D22		NSD									
C	65	D20		NSD									
C	66	C23		NSD									
C	67	C44		NSD									
C	68	C42		NSD									
C	69	C40		NSD									
C	70	D43		NSD									
C	71	A1		NSD									
C	72	A22		NSD									
C	73	A20		NSD									
C	74	B21		NSD									
C	75	B13		NSD									
C	76	B4		NSD									
C	77	B2		NSD									
C	78	C1		NSD									
C	79	C3		NSD									
C	80	B10		NSD									
C	81	B20		NSD									
C	82	B22		NSD									
C	83	B12		NSD									
C	84	B3		NSD									
C	85	B1		NSD									
C	86	A2		NSD									
C	87	A12		NSD									
C	88	A32	ADQ	10	10	F	4	1	4.0			Actinolite	TAS_AHRA
C	89	A31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S7 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	B33		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	B11		NSD									
A	19	B31		NSD									
A	20	B41		NSD									
A	21	A31	AZQ	1	1	F	4.8	0.7	6.9	5229	15149	MG,AL,SI,CA,FE Actinolite Zone Axis [1 0 1] - KM	TAS_AHRA
A	22	A11		NSD									
A	23	D1		NSD									
A	24	D21		NSD									
A	25	D41		NSD									
A	26	D42		NSD									
A	27	D22		NSD									
A	28	D2		NSD									
A	29	A12		NSD									
A	30	A32		NSD									
A	31	A42	ADQ	2	2	F	2.5	0.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	32	A43		NSD									
A	33	A23		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S7 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	34	A3		NSD									
A	35	D13		NSD									
A	36	D33		NSD									
A	37	D44		NSD									
B	38	B44		NSD									
B	39	B24		NSD									
B	40	B4		NSD									
B	41	C14		NSD									
B	42	C34	ADQ	3	3	F	16.5	2.5	6.6			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	43	C44	ADQ	4	4	F	3.5	0.65	5.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	44	C43		NSD									
B	45	C23		NSD									
B	46	C3		NSD									
B	47	B13		NSD									
B	48	B23		NSD									
B	49	B43		NSD									
B	50	B42		NSD									
B	51	B22		NSD									
B	52	B2		NSD									
B	53	C12		NSD									
B	54	C32		NSD									
B	55	C41		NSD									
B	56	C11		NSD									
B	57	A41		NSD									
B	58	A21		NSD									
B	59	A1		NSD									
B	60	D11		NSD									
B	61	D31		NSD									
B	62	D41		NSD									
B	63	D21		NSD									
B	64	D1		NSD									
B	65	A11		NSD									
B	66	A31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: APG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S7 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	67	A41		NSD									
B	68	A43		NSD									
B	69	A33		NSD									
B	70	A23		NSD									
B	71	A13		NSD									
B	72	A3		NSD									
B	73	D3		NSD									
B	74	D13		NSD									
B	75	D23		NSD									
B	76	D33		NSD									
B	77	D43	CMQ	5	5	F	1	0.05	20	5230	15150	Mg, Si Chrysotile	TAS_AHRA
C	78	C42		NSD									
C	79	C32		NSD									
C	80	C12		NSD									
C	81	C2		NSD									
C	82	B12	CMQ	6	6	F	1.2	0.05	24	5283	15198	Mg, Si Chrysotile	TAS_AHRA
C	83	B4		NSD									
C	84	C4		NSD									
C	85	C14		NSD									
C	86	C24		NSD									
C	87	C34		NSD									
C	88	C44		NSD									
C	89	C43		NSD									
C	90	C33		NSD									
C	91	C23		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC1-L6-1CA-100204 *Lab/Cor Sample No.:* B4760 S8 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A1		NSD									
A	2	A11	AZQ	1	1	F	3.5	0.35	10	844	15152	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 0 2] - KM	TAS_AHRA
A	3	A10		NSD									
A	4	B10		NSD									
A	5	B11		NSD									
A	6	B1		NSD									
A	7	C1		NSD									
A	8	C11		NSD									
A	9	C10		NSD									
A	10	D10		NSD									
A	11	D11		NSD									
A	12	D1		NSD									
A	13	A21		NSD									
A	14	A20		NSD									
A	15	B20		NSD									
A	16	B21		NSD									
B	17	B10		NSD									
B	18	B11		NSD									
B	19	B1		NSD									
B	20	C1		NSD									
B	21	C11		NSD									
B	22	C10	CDQ	2	2	F	0.6	0.05	12	5233	15153	Mg, Si, Fe Chrysotile Confirmed - KM	TAS_AHRA
B	22	C10	AZQ	3	3	F	3.5	0.5	7.0	5234	15154	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	TAS_AHRA
B	23	D10	AZQ	4	4	F	9.5	2	4.8	5235	15155	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 1 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	24	D11		NSD									
B	25	D1		NSD									
B	26	A1		NSD									
B	27	A11		NSD									
B	28	A32		NSD									
B	29	A31		NSD									
B	30	A30	ADQ	5	5	F	4.25	1.1	3.9			Mg, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC1-L6-1CA-100204 *Lab/Cor Sample No.:* B4760 S8 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	B30		NSD									
B	32	B31		NSD									
B	33	B32		NSD									
B	34	B33		NSD									
B	35	B34		NSD									
B	36	B14		NSD									
B	37	B13		NSD									
B	38	B12		NSD									
B	39	A12		NSD									
B	40	D2		NSD									
B	41	C2		NSD									
B	42	C3		NSD									
B	43	C4		NSD									
B	44	C24		NSD									
B	45	C23		NSD									
B	46	C22		NSD									
B	47	C21	AZQ	6	6	F1-0	2.2	0.4	5.5	5236	15156	Mg, Si, Ca, Fe Tremolite Zone Axis [3 1 0] - KM	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC1-L6-1CB-100204 *Lab/Cor Sample No.:* B4760 S9 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	D1		NSD									
A	2	D3		NSD									
A	3	D24	CDQ	1		MD1-0	4.9	1.5	3.3			Chrysotile	TAS_AHRA
A	3	D24	CDQ		1	MB	4.9	0.4	12	811	558	Mg, Si Chrysotile Confirmed - KM	
A	4	D22		NSD									
A	5	D20		NSD									
A	6	C21	AZQ	2	2	F	11	1.5	7.3	812	559	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 -3] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C23	OZQ	3	3	F	4.8	0.6	8.0	813	560	Na, Mg, Al, Si, Ca, Fe Edenite Zone Axis [3 2 1] - KM	TOS_AHRA
A	8	C43		NSD									
A	9	C41		NSD									
A	10	D40		NSD									
A	11	D42		NSD									
A	12	A2		NSD									
A	13	A4		NSD									
A	14	A24		NSD									
A	15	A22		NSD									
A	16	A20		NSD									
A	17	B21		NSD									
A	18	B23		NSD									
A	19	B24		NSD									
A	20	B34		NSD									
A	21	B44		NSD									
A	22	B33		NSD									
A	23	B13		NSD									
A	24	C3		NSD									
B	25	B24		NSD									
B	26	B4		NSD									
B	27	C14		NSD									
B	28	C34		NSD									
B	29	C44		NSD									
B	30	C43		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC1-L6-1CB-100204 *Lab/Cor Sample No.:* B4760 S9 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	C23		NSD									
B	32	C3		NSD									
B	33	B13		NSD									
B	34	B33		NSD									
B	35	B22		NSD									
B	36	B2		NSD									
B	37	C12		NSD									
B	38	C32		NSD									
B	39	C42		NSD									
B	40	C41		NSD									
B	41	C21		NSD									
B	42	C1		NSD									
B	43	B11	CDQ	4	4	F	1.2	0.05	24			Chrysotile	TAS_AHRA
B	44	B20	ADQ	5	5	F	1.25	0.4	3.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	45	A20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC1-L6-2CB-100204 *Lab/Cor Sample No.:* B4760 S10 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	C24		NSD									
A	6	C44		NSD									
A	7	C43		NSD									
A	8	C23	ADQ	1	1	F	2.5	0.4	6.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	8	C3		NSD									
A	9	B13	ADQ	2	2	F	6	1.3	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	10	B33		NSD									
A	11	B43		NSD									
A	12	B32		NSD									
A	13	B12		NSD									
A	14	C2		NSD									
A	15	C22		NSD									
A	16	C42		NSD									
A	17	C41		NSD									
A	18	C21		NSD									
A	19	C1		NSD									
A	20	B11		NSD									
A	21	B31		NSD									
A	22	B40	ADQ	3		MD1-0	5	5	1.0			Actinolite	TAS_AHRA
A	22	B40	ADQ		3	MF	2.5	0.3	8.3			Mg, Al, Si, Ca, Fe Actinolite	
A	23	B20		NSD									
A	24	A10		NSD									
A	25	A30		NSD									
A	26	A41		NSD									
A	27	A21		NSD									
A	28	A1	ADQ	4	4	F	5	0.5	10			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	29	D11	CDQ	5	5	F	5	0.15	33	814	561	Mg, Si Chrysotile Confirmed - KM	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC1-L6-2CB-100204 *Lab/Cor Sample No.:* B4760 S10 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	29	D11	AZQ	6	6	F	10	0.7	14	815	562	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 0 4] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	30	B44		NSD									
B	31	B24		NSD									
B	32	B4		NSD									
B	33	C14		NSD									
B	34	C34		NSD									
B	35	C43		NSD									
B	36	C23		NSD									
B	37	C3		NSD									
B	38	B13		NSD									
B	39	B33	ADQ	7	7	F	15	3.5	4.3			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	40	B42		NSD									
B	41	B22		NSD									
B	42	B12		NSD									
B	43	B2	ADQ	8	8	F	4	1	4.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	44	C12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2A-L6-1CA-100304 *Lab/Cor Sample No.:* B4760 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A1		NSD									
A	2	A2		NSD									
A	3	B24	CDQ	1	1	B	8.5	2	4.2	5238	15157	Mg, Si, Fe Chrysotile Confirmed - KM	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	B22		NSD									
A	5	B21		NSD									
A	6	B20		NSD									
A	7	A11		NSD									
A	8	A10		NSD									
A	9	B10		NSD									
A	10	B12		NSD									
A	11	C20		NSD									
A	12	C21		NSD									
A	13	C23		NSD									
A	14	C33		NSD									
A	15	C44		NSD									
A	16	C43	CDQ	2		MD2-0	2.5	2	1.2	5239	15158	Mg, Si, Fe Chrysotile Confirmed - KM	TAS_AHRA
A	16	C43	CDQ		2	MF	1.25	0.05	25			Chrysotile	
A	16	C43	CDQ		3	MF	1	0.05	20			Chrysotile	
A	17	C42		NSD									
A	18	C32		NSD									
A	19	D41	ADQ	3	4	F	2.5	0.5	5.0		15159	Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	20	D42		NSD									
A	21	D32		NSD									
A	22	D31		NSD									
A	23	D30		NSD									
A	24	D20	CDQ	4		MD99-0	6	4	1.5	5242	15160	Mg, Si, Fe Chrysotile Confirmed - KM	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	24	D20	CDQ		5	MR50-0	2.5	1.5	1.7			Chrysotile	
A	24	D20	CDQ		6	MR30-0	2.5	1	2.5			Chrysotile	
A	24	D20	CDQ		7	MR15-0	2	1.5	1.3			Chrysotile	
A	24	D20	CDQ		8	MR7-0	2	0.8	2.5			Chrysotile	
A	24	D20	CDQ		9	MR30-0	2	0.5	4.0			Chrysotile	
A	24	D20	CDQ		10	MF	1.2	0.06	20			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2A-L6-1CA-100304 *Lab/Cor Sample No.:* B4760 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	24	D20	CDQ		11	MF	0.7	0.05	14			Chrysotile	
A	24	D20	CDQ		12	MF	0.6	0.05	12			Chrysotile	
A	25	D21		NSD									
A	26	D22		NSD									
A	27	D12		NSD									
A	28	D11		NSD									
A	29	D10		NSD									
A	30	D2		NSD									
A	31	A12	CDQ	5	13	F	0.65	0.05	13	5243	15161	Mg, Si, Fe Chrysotile Confirmed - KM	TAS_AHRA
A	32	A22		NSD									
A	33	A30		NSD									
B	34	A1		NSD									
B	35	A11		NSD									
B	36	A10		NSD									
B	37	B10		NSD									
B	38	B11		NSD									
B	39	B1		NSD									
B	40	C1		NSD									
B	41	C11	CDQ	6	14	F	1.1	0.1	11			Mg, Si, Fe Chrysotile	TAS_AHRA
B	42	C10		NSD									
B	43	D10		NSD									
B	44	D11		NSD									
B	45	D1		NSD									
B	46	A2		NSD									
B	47	A12		NSD									
B	48	A22	AZQ	7	15	F	1.25	0.3	4.2	5284	15199	Mg, Si, Ca, Fe Actinolite Zone Axis [5 1 2] - KM	TAS_AHRA
B	49	A21		NSD									
B	50	A20	ADQ	8	16	F	4.5	0.55	8.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	51	B20		NSD									
B	52	B21		NSD									
B	53	B22		NSD									
B	54	B12		NSD									
B	55	B2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2A-L6-1CA-100304 *Lab/Cor Sample No.:* B4760 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	56	C2		NSD									
B	57	C12		NSD									
B	58	C22		NSD									
B	59	C21		NSD									
B	60	C20		NSD									
B	61	D20		NSD									
B	62	D21		NSD									
B	63	D22		NSD									
B	64	D12		NSD									
B	65	D2		NSD									
B	66	A30		NSD									
C	67	A1		NSD									
C	68	A10		NSD									
C	69	B10		NSD									
C	70	B11		NSD									
C	71	B1		NSD									
C	72	C1		NSD									
C	73	C11		NSD									
C	74	C10		NSD									
C	75	D10		NSD									
C	76	B44		NSD									
C	77	B24		NSD									
C	78	B4		NSD									
C	79	C14		NSD									
C	80	C34		NSD									
C	81	B33		NSD									
C	82	B12		NSD									
C	83	C2		NSD									
C	84	C22		NSD									
C	85	C42		NSD									
C	86	B41		NSD									
C	87	B21		NSD									
C	88	C21		NSD									
C	89	C41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2A-L6-1CA-100304 *Lab/Cor Sample No.:* B4760 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	90	C20		NSD									
C	91	C40	CD	9		MD1-0	8	8	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	91	C40	CD		17	MB	3.5	0.5	7.0			Chrysotile	
C	92	B30	CM	10	18	F	0.6	0.1	6.0			Chrysotile	TAS_AHRA
C	93	A20		NSD									
C	94	D20		NSD									
C	95	D40		NSD									
C	96	D33	CM	11		MD3-0	4.5	3.5	1.3			Chrysotile	TAS_AHRA
C	96	D33	CM		19	MF	1.8	0.1	18			Chrysotile	
C	96	D33	CM		20	MB	1.6	0.2	8.0			Chrysotile	
C	96	D33	CM		21	MF	1.2	0.1	12			Chrysotile	
C	97	D13		NSD									
C	98	A2		NSD									
C	99	D12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-11CC-100304 *Lab/Cor Sample No.:* B4760 S13 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	B34		NSD									
A	6	C23		NSD									
A	7	C3		NSD									
A	8	B23		NSD									
A	9	B33		NSD									
A	10	B42		NSD									
A	11	B22		NSD									
A	12	B2		NSD									
A	13	C12		NSD									
A	14	C32		NSD									
A	15	C31		NSD									
A	16	C11		NSD									
A	17	B1		NSD									
A	18	B10		NSD									
A	19	B20		NSD									
A	20	B30	AZQ	1	1	F	4	0.5	8.0	816	563	Mg, Si, Ca, Fe Actinolite Zone Axis [4 1 1] - KM	TAS_AHRA
A	21	B40		NSD									
A	22	A41		NSD									
A	23	A21		NSD									
A	24	A1		NSD									
A	25	A3		NSD									
B	26	D1		NSD									
B	27	D3		NSD									
B	28	D24		NSD									
B	29	D22		NSD									
B	30	D20		NSD									
B	31	C21		NSD									
B	32	C23		NSD									
B	33	C44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-11CC-100304 *Lab/Cor Sample No.:* B4760 S13 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	C42		NSD									
B	35	C40		NSD									
B	36	D41		NSD									
B	37	D43		NSD									
B	38	B1		NSD									
B	39	B3		NSD									
B	40	B14		NSD									
B	41	B12		NSD									
B	42	B10		NSD									
B	43	A11	ADQ	2	2	F	16	4.5	3.6			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	44	A12	AZQ	3	3	F	6	1.3	4.6	817	564	Na, Mg, Si, Ca, Fe Edenite Zone Axis [9 -1 6] - KM	PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	45	A42		NSD									
B	46	A40		NSD									
B	47	B41		NSD									
B	48	B43		NSD									
B	49	B24		NSD									
B	50	B22		NSD									
B	51	B20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-1CC-100304 *Lab/Cor Sample No.:* B4760 S14 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A2	CDQ	1	1	B	24	4	6.0	818	565	Mg, Si Chrysotile Confirmed - KM	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	2	A4		NSD									
A	3	A24		NSD									
A	4	A22		NSD									
A	5	A20		NSD									
A	6	B21		NSD									
A	7	B23		NSD									
A	8	B43		NSD									
A	9	B41		NSD									
A	10	A40		NSD									
A	11	A42		NSD									
A	12	A44		NSD									
A	13	A24		NSD									
A	14	A22		NSD									
A	15	A20		NSD									
A	16	B21		NSD									
A	17	B23		NSD									
A	18	B4		NSD									
A	19	B2		NSD									
A	20	A1		NSD									
A	21	A3		NSD									
A	22	D14		NSD									
A	23	D12		NSD									
A	24	D10		NSD									
A	25	C11		NSD									
B	26	D1		NSD									
B	27	D3		NSD									
B	28	D24		NSD									
B	29	D22		NSD									
B	30	D20		NSD									
B	31	C20		NSD									
B	32	D40		NSD									
B	33	D42		NSD									

Lab/Cor, Inc.

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-1CC-100304 *Lab/Cor Sample No.:* B4760 S14 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	A1		NSD									
B	35	A3		NSD									
B	36	A24		NSD									
B	37	A22		NSD									
B	38	A21		NSD									
B	39	B20		NSD									
B	40	B11		NSD									
B	41	B21		NSD									
B	42	B31		NSD									
B	43	B40		NSD									
B	44	A41		NSD									
B	45	A43		NSD									
B	46	A33		NSD									
B	47	A13		NSD									
B	48	D33	AZQ	2	2	F	4	0.6	6.7	819	566	Mg, Si, Ca, Fe Actinolite Zone Axis [9 1 10] - KM	TAS_AHRA
B	49	D31		NSD									
B	50	B10		NSD									
B	51	C10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-2CC-100304 *Lab/Cor Sample No.:* B4760 S15 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B4		NSD									
A	3	C14		NSD									
A	4	C34		NSD									
A	5	C3		NSD									
A	6	C23		NSD									
A	7	C43		NSD									
A	8	B22		NSD									
A	9	B2		NSD									
A	10	C12		NSD									
A	11	C32		NSD									
A	12	B31		NSD									
A	13	C1		NSD									
A	14	C21		NSD									
A	15	C41		NSD									
A	16	D40		NSD									
A	17	D20		NSD									
B	18	B34		NSD									
B	19	B14		NSD									
B	19	C4		NSD									
B	20	C14		NSD									
B	21	C24		NSD									
B	22	C44		NSD									
B	23	B43		NSD									
B	24	B23		NSD									
B	25	B3		NSD									
B	26	C13		NSD									
B	27	C33		NSD									
B	28	B42		NSD									
B	29	B22		NSD									
B	30	B2		NSD									
B	31	C12		NSD									
B	32	C32		NSD									
B	33	B31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-2CC-100304 *Lab/Cor Sample No.:* B4760 S15 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	B11		NSD									
C	35	B44		NSD									
C	36	B24		NSD									
C	37	B4		NSD									
C	38	C14		NSD									
C	39	C34		NSD									
C	40	B33		NSD									
C	41	B13		NSD									
C	42	C3		NSD									
C	43	C23		NSD									
C	44	C43		NSD									
C	45	B42		NSD									
C	46	B22		NSD									
C	47	B2		NSD									
C	48	C12		NSD									
C	49	C32		NSD									
C	50	B31		NSD									
C	51	B11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-3CC-100304 *Lab/Cor Sample No.:* B4760 S16 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	ADQ	1	1	F	8.5	1.5	5.7			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
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	B23		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	ADQ	2	2	F1-0	4.5	1	4.5			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	17	B21		NSD									
A	18	B1		NSD									
B	19	B44		NSD									
B	20	B24		NSD									
B	21	B4		NSD									
B	22	C14		NSD									
B	22	C34		NSD									
B	23	B33	AZQ	3	3	F	3.8	0.4	9.5	5246	15163	Mg, Si, Ca, Fe Actinolite Zone Axis [5 3 0] - RF	TAS_AHRA
B	24	B13	ADQ	4		MD1-0	3.5	1.2	2.9			Actinolite	TAS_AHRA
B	24	B13	ADQ		4	MF	1.8	0.38	4.7			Actinolite	
B	25	C3	ADQ	5	5	F	6	1	6.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	26	C23		NSD									
B	27	C43		NSD									
B	28	B32		NSD									
B	29	C10	AQ	6		MD1-0	17	8	2.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-3CC-100304 *Lab/Cor Sample No.:* B4760 S16 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	29	C10	AQ		6	MB	3.8	1.2	3.2			Actinolite	
B	30	C30		NSD									
B	31	A1		NSD									
B	32	D11		NSD									
B	33	D31		NSD									
B	34	D20		NSD									
B	35	D10		NSD									
C	36	A42	ADQ	7	7	F	3.6	0.4	9.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	36	A42	ADQ	8	8	F	9	3	3.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	37	A22	AZQ	9	9	F	4	1	4.0	5278	15164	Mg, Si, Ca, Fe Amosite Zone Axis [1 2 0] - KM	TAS_AHRA
C	37	A22	ADQ	10		MD1-1	13	7	1.9			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	37	A22	ADQ		10	MF	9.5	2	4.8			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	38	A2		NSD									
C	39	D12		NSD									
C	40	D42		NSD									
C	41	A41		NSD									
C	42	A21		NSD									
C	43	A1		NSD									
C	44	D11		NSD									
C	45	D31		NSD									
C	46	B41		NSD									
C	47	B21		NSD									
C	48	B1	ADQ	11	11	F	10.5	1.2	8.8			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	49	C11		NSD									
C	50	C31		NSD									
C	51	C10		NSD									
C	52	C30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-4CC-100304 *Lab/Cor Sample No.:* B4760 S17 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	29	B22	ADQ	NSD		F	4.2	0.6	7.0			Actinolite	TAS_AHRA
A	1	B34	CM	1	1	F	0.9	0.08	11			Chrysotile	TAS_AHRA
A	2	B14		NSD									
A	3	C4	ADQ	2	2	F	1.8	0.6	3.0		15165	Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	4	C24		NSD									
A	5	C44		NSD									
A	6	B43		NSD									
A	7	B23	ADQ	3	3	F	2.5	0.5	5.0			Actinolite	TAS_AHRA
A	8	B3		NSD									
A	9	C13		NSD									
A	10	C33		NSD									
A	11	B41		NSD									
A	12	B11		NSD									
A	13	C1		NSD									
A	14	C31		NSD									
A	15	A40		NSD									
A	16	A10		NSD									
A	17	D10		NSD									
B	18	B44	AZQ	4	4	F	7	2	3.5	5279	15197	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 1 3] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	19	B24	ADQ	5		MD1-0	3.2	1.2	2.7			Actinolite	TAS_AHRA
B	19	B24	ADQ		5	MF	1.5	0.5	3.0			Actinolite	
B	19	B24		NSD									
B	20	B4		NSD									
B	21	C14		NSD									
B	22	C34		NSD									
B	23	B33	CDQ	6	6	B	6.5	1.5	4.3	5250	15166	Mg, Si Chrysotile Confirmed - KM	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	23	B33	ADQ	7		MD1-1	25	8	3.1			Amosite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	23	B33	ADQ		7	MF	9	0.5	18			Mg, Si, Ca, Fe Amosite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
B	24	B13	ADQ	8	8	F	5	1.5	3.3			Actinolite	TAS_AHRA
B	24	B13	CMQ	9	9	F	1.5	0.1	15			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC2-L6-4CC-100304 *Lab/Cor Sample No.:* B4760 S17 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	25	C3		NSD									
B	26	C23		NSD									
B	27	C43		NSD									
B	28	B42		NSD									
B	29	B2		NSD									
B	30	C12		NSD									
B	31	C32		NSD									
B	32	B41		NSD									
B	33	B21		NSD									
C	34	B44		NSD									
C	35	B24		NSD									
C	36	B4	ADQ	10	10	F	1.8	0.6	3.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	37	C4		NSD									
C	38	B43	ADQ	11	11	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	39	B23		NSD									
C	40	B3	CMQ	12	12	F	0.7	0.1	7.0			Chrysotile	TAS_AHRA
C	40	B3	CDQ	13	13	F	1.2	0.1	12			Chrysotile	TAS_AHRA
C	41	C23		NSD									
C	42	B42		NSD									
C	43	B32		NSD									
C	44	B12		NSD									
C	45	C2		NSD									
C	46	B31		NSD									
C	47	B11	ADQ	14	14	F	3.5	0.4	8.8			Actinolite	TAS_AHRA
C	48	C1		NSD									
C	49	C11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-H2-1FD-100204 *Lab/Cor Sample No.:* B4760 S18 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	CDQ	1	1	F	0.9	0.1	9.0	5251	15169	Mg, Si Chrysotile Confirmed - KM	TAS_AHRA
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	ADQ	2		MD1-1	14	3.5	4.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	10	C33	ADQ		2	MF	6.5	1	6.5			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	10	C33	AZQ	3	3	F	4	0.5	8.0	5252	15171	Mg, Si, Ca, Fe Actinolite Zone Axis [7 1 6] - RF	TAS_AHRA
A	11	B32	ADQ	4	4	F	6.8	0.8	8.5			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	B12		NSD									
A	13	C2		NSD									
A	14	C22	CM	5	5	F	0.8	0.11	7.3			Chrysotile	TAS_AHRA
A	15	C42		NSD									
A	16	B10	CD	6	6	F	1.1	0.1	11			Chrysotile	TAS_AHRA
B	17	B4		NSD									
B	18	C14	CDQ	7	7	F	2.75	0.15	18	5253	15172	Mg, Si Chrysotile 5253A Negative - Confirmed - KM	TAS_AHRA
B	18	C14	CDQ	8	8	B	1.8	0.25	7.2			Mg, Si Chrysotile	TAS_AHRA
B	19	C34		NSD									
B	20	B43		NSD									
B	21	B23		NSD									
B	22	B3	AZQ	9	9	F	2.1	0.45	4.7	5254	15173	Mg, Si, Ca, Fe Actinolite Zone Axis [4 -1 4] - KM	TAS_AHRA
B	23	C13	CMQ	10	10	B	1.5	0.2	7.5			Mg, Si Chrysotile	TAS_AHRA
B	23	C13	CM	11	11	F	2.5	0.1	25			Chrysotile	TAS_AHRA
B	24	C23		NSD									
B	25	B42		NSD									
B	26	B22		NSD									
B	27	B2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-H2-1FD-100204 *Lab/Cor Sample No.:* B4760 S18 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	28	C12		NSD									
B	29	C32		NSD									
B	30	B41		NSD									
B	31	B21		NSD									
B	32	B1		NSD									
C	33	B44	CDQ	12	12	F	0.6	0.1	6.0			Mg, Si, Fe Chrysotile	TAS_AHRA
C	34	B24		NSD									
C	35	B4		NSD									
C	36	C14		NSD									
C	37	C34	CDQ	13		MD1-1	6	5	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	37	C34	CDQ		13	MF	6	0.4	15			Mg, Si, Fe Chrysotile	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
C	38	B43	CD	14	14	F	1	0.05	20			Chrysotile	TAS_AHRA
C	39	B23	CDQ	15	15	B	0.75	0.2	3.8			Mg, Si, Fe Chrysotile	TAS_AHRA
C	40	B3		NSD									
C	41	C13		NSD									
C	42	B42		NSD									
C	43	B22		NSD									
C	44	B2	CDQ	16		MD1-0	7	3	2.3			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	44	B2	CDQ		16	MB	1.5	0.2	7.5			Mg, Si, Fe Chrysotile	
C	45	C12	CDQ	17		MD1-0	2	1	2.0			Chrysotile	TAS_AHRA
C	45	C12	CDQ		17	MB	1.15	0.2	5.8			Mg, Si, Fe Chrysotile	
C	46	C32		NSD									
C	47	B41		NSD									
C	48	B21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-H2-2FD-100204 *Lab/Cor Sample No.:* B4760 S19 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	CDQ	1	1	F	1.5	0.15	10	5255	15174	Mg,Si,Fe Chrysotile Confirmed - KM	TAS_AHRA
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B43	AZQ	2	2	F	7.25	1.25	5.8	5256	15175	Mg, 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	B23		NSD									
A	8	B3		NSD									
A	9	C13		NSD									
A	10	B32		NSD									
A	11	B12		NSD									
A	12	C2	AQ	3	3	F	5.8	0.8	7.2		15176	Mg, Si, Ca, Fe Amosite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	13	C22		NSD									
A	14	B41		NSD									
A	15	B21		NSD									
A	16	B1		NSD									
A	17	C11		NSD									
B	18	B44		NSD									
B	19	B24	CD	4	4	F	0.6	0.1	6.0			Chrysotile	TAS_AHRA
B	20	B4		NSD									
B	21	C14	AQ	5		MD1-0	3.8	1	3.8			Actinolite	TAS_AHRA
B	21	C14	AQ		5	MF	1.5	0.5	3.0			Mg, Si, Ca, Fe Actinolite	
B	22	C23	ADQ	6	6	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
B	23	B43		NSD									
B	24	B23		NSD									
B	25	B3		NSD									
B	26	C13		NSD									
B	27	C33		NSD									
B	28	B22	ADQ	7	7	F	4.5	0.6	7.5			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	29	B2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-H2-2FD-100204 *Lab/Cor Sample No.:* B4760 S19 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	30	C12		NSD									
B	31	C22		NSD									
B	32	B41		NSD									
B	33	B11	CM	8	8	F	1.5	0.11	14			Chrysotile	TAS_AHRA
B	34	C1		NSD									
C	35	B44		NSD									
C	36	B24		NSD									
C	37	B4		NSD									
C	38	C14		NSD									
C	39	C34		NSD									
C	40	B43		NSD									
C	41	B13		NSD									
C	42	C3		NSD									
C	43	C23		NSD									
C	44	C43		NSD									
C	45	B42		NSD									
C	46	B22	CMQ	9	9	F	1	0.1	10			Mg, Si Chrysotile	TAS_AHRA
C	47	B2		NSD									
C	48	C12		NSD									
C	49	C42		NSD									
C	50	B41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-H2-3FD-100204 *Lab/Cor Sample No.:* B4760 S20 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	B41		NSD									
A	7	B21		NSD									
A	8	B1		NSD									
A	9	C11		NSD									
A	10	C31		NSD									
A	11	A41		NSD									
A	12	A21	ADQ	1	1	F	4	0.5	8.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	13	A1		NSD									
A	14	D11		NSD									
A	15	D31		NSD									
A	16	D32		NSD									
B	17	B44		NSD									
B	18	B24		NSD									
B	19	B4		NSD									
B	20	C14		NSD									
B	21	C34		NSD									
B	22	B23		NSD									
B	23	B3		NSD									
B	24	C3		NSD									
B	25	C23		NSD									
B	26	C43		NSD									
B	27	B42		NSD									
B	28	B22		NSD									
B	29	B2		NSD									
B	30	C12		NSD									
B	31	C32		NSD									
B	32	C21	AZQ	2		MD1-0	9	8	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	32	C21	AZQ		2	MF	3.2	0.4	8.0	5259	15177	Mg, Si, Ca, Fe Actinolite Zone Axis [4 1 4] - KM	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-H2-3FD-100204 *Lab/Cor Sample No.:* B4760 S20 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	33	B34		NSD									
C	34	B14		NSD									
C	35	B4		NSD									
C	36	C4		NSD									
C	37	C24		NSD									
C	38	C44		NSD									
C	39	B42	ADQ	3	3	F	14	4.5	3.1			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	40	B22		NSD									
C	41	B2		NSD									
C	42	C12		NSD									
C	43	C32		NSD									
C	44	A31		NSD									
C	45	A11		NSD									
C	46	D1		NSD									
C	47	D21		NSD									
C	48	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-H2-1FD-100304 *Lab/Cor Sample No.:* B4760 S21 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	ADQ	1	1	F	3	0.5	6.0			Na, Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	7	C23		NSD									
A	8	C3	AZQ	2	2	F	2.75	0.4	6.9	847	569	Na, Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 1 1] - KM	TAS_AHRA
A	9	B13		NSD									
A	10	B33		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		NSD									
A	22	B20		NSD									
A	23	A10		NSD									
A	24	A30		NSD									
A	25	A41		NSD									
A	26	A21		NSD									
A	27	A1		NSD									
A	28	D11		NSD									
B	29	A20		NSD									
B	30	A40		NSD									
B	31	A31		NSD									
B	32	A11		NSD									
B	33	D1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-H2-1FD-100304 *Lab/Cor Sample No.:* B4760 S21 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	D21		NSD									
B	35	D41		NSD									
B	36	D32		NSD									
B	37	D12		NSD									
B	38	A2		NSD									
B	39	A22		NSD									
B	40	A42		NSD									
B	41	B41		NSD									
B	42	B21		NSD									
B	43	B1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-H2-2FD-100304 *Lab/Cor Sample No.:* B4760 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	B14		NSD									
A	5	B4		NSD									
A	6	B43		NSD									
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	B41		NSD									
A	16	B31		NSD									
B	17	B44		NSD									
B	18	B24		NSD									
B	19	B4		NSD									
B	20	C4		NSD									
B	21	B43		NSD									
B	22	B23		NSD									
B	23	B3		NSD									
B	24	C3		NSD									
B	25	B42		NSD									
B	26	B22		NSD									
B	27	B2		NSD									
B	28	C2		NSD									
B	29	B41		NSD									
B	30	B21		NSD									
B	31	B1		NSD									
B	32	C1		NSD									
C	33	B44		NSD									
C	34	B24		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-H2-2FD-100304 *Lab/Cor Sample No.:* B4760 S22 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	35	B4		NSD									
C	36	C14		NSD									
C	37	B43		NSD									
C	38	B23		NSD									
C	39	B3		NSD									
C	40	C13		NSD									
C	41	C33		NSD									
C	42	B42		NSD									
C	43	B22		NSD									
C	44	C12		NSD									
C	45	C32		NSD									
C	46	C42		NSD									
C	47	C21		NSD									
C	48	C41		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-H2-3FD-100304 *Lab/Cor Sample No.:* B4760 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		NSD									
A	3	B24		NSD									
A	4	B4		NSD									
A	5	B33		NSD									
A	6	B13		NSD									
A	7	C3		NSD									
A	8	C23		NSD									
A	9	C42		NSD									
A	10	C32		NSD									
A	11	C12		NSD									
A	12	B2		NSD									
A	13	B22		NSD									
A	14	B42		NSD									
A	15	B31		NSD									
A	16	B11		NSD									
A	17	C1		NSD									
A	18	C21		NSD									
A	19	C41		NSD									
A	20	C30		NSD									
A	21	C10		NSD									
A	22	D1		NSD									
A	23	D21		NSD									
A	24	D41		NSD									
A	25	D32		NSD									
A	26	D12		NSD									
A	27	A2		NSD									
A	28	A22		NSD									
A	29	A42		NSD									
A	30	A33		NSD									
B	31	B44		NSD									
B	32	B24		NSD									
B	33	B4		NSD									
B	34	C14		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-H2-3FD-100304 *Lab/Cor Sample No.:* B4760 S23 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	C34		NSD									
B	36	C43		NSD									
B	37	C23		NSD									
B	38	C3		NSD									
B	39	B13		NSD									
B	40	B43		NSD									
B	41	B42		NSD									
B	42	B32		NSD									
B	43	A41		NSD									
B	44	A21		NSD									
B	45	A1		NSD									
B	46	D11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-11CH-100404 *Lab/Cor Sample No.:* B4760 S24 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	ADQ	1	1	F	5	1.5	3.3			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3	ADQ	2	2	F	10	2.5	4.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C3	ADQ	3	3	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	9	B13	ADQ	4	4	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
A	10	B33		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	B1		NSD									
A	18	B21		NSD									
A	19	B41		NSD									
A	20	B40		NSD									
A	21	B30		NSD									
A	22	B20		NSD									
A	23	B10		NSD									
A	24	A1		NSD									
A	25	A21		NSD									
A	26	A41		NSD									
A	27	A32		NSD									
A	28	A22		NSD									
A	29	A12		NSD									
A	30	A2		NSD									
A	31	D12		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-11CH-100404 *Lab/Cor Sample No.:* B4760 S24 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	32	D32		NSD									
B	33	B44	AZQ	5	5	F	2.75	0.4	6.9	5281	570	Mg, Si, Ca, Fe Actinolite Zone Axis [3 0 1] - KM	TAS_AHRA
B	34	B24		NSD									
B	35	B4	ADQ	6		MD	5.5	5	1.1			Mg, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	35	B4	ADQ		6	MF	5.5	1.5	3.7			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	36	C14		NSD									
B	37	C34		NSD									
B	38	C43		NSD									
B	39	C31		NSD									
B	40	C11	ADQ	7		MD1-1	12	6	2.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	40	C11	ADQ		7	MF	8	0.7	11			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	41	B21		NSD									
B	42	B41		NSD									
B	43	A40		NSD									
B	44	A20		NSD									
B	45	A10		NSD									
B	46	D10		NSD									
B	47	D30		NSD									
B	48	D22		NSD									
B	49	D2		NSD									
B	50	A12		NSD									
B	51	A32	AZQ	8	8	F	4.5	0.7	6.4	825	571	Na, Mg, Al, Si, Ca, Fe Actinolite Ferrian-actinolite - Zone Axis [2 0 1] - KM	TAS_AHRA
B	52	A44		NSD									
B	53	A24		NSD									
B	54	A4		NSD									
B	55	D14		NSD									
B	56	D24		NSD									
B	57	A13		NSD									
B	58	A11	CDQ	9		MD1-1	18	15	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	58	A11	CDQ		9	MF	15	0.05	300	826	572	Mg, Si Chrysotile Confirmed - KM	AFB>5, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT

Lab/Cor, Inc.

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-11CH-100404 *Lab/Cor Sample No.:* B4760 S24 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	59	B10		NSD									
B	60	B12		NSD									
B	61	B14		NSD									
B	62	B34		NSD									
B	63	B32		NSD									
B	64	B30		NSD									
C	65	A1	CDQ	10	10	B	4	0.6	6.7			Mg, Si Chrysotile	TAS_AHRA
C	66	A21		NSD									
C	67	A41		NSD									
C	68	B40		NSD									
C	69	B20		NSD									
C	70	B10		NSD									
C	71	C20		NSD									
C	72	C40		NSD									
C	73	D41		NSD									
C	74	D21		NSD									
C	75	D1		NSD									
C	76	A11		NSD									
C	77	A31		NSD									
C	78	A43	ADQ	11	11	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	79	A23		NSD									
C	80	A3		NSD									
C	81	D3		NSD									
C	82	D23		NSD									
C	83	D43		NSD									
C	84	D44		NSD									
C	85	D34	ADQ	12	12	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
C	86	D4		NSD									
C	87	A14		NSD									
C	88	A24	ADQ	13		MD1-0	12	5	2.4			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	88	A24	AZQ		13	MF	4	0.25	16	827	573	Mg, Si, Ca, Fe Tremolite Zone Axis [5 1 6] - KM	

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-11CH-100404 *Lab/Cor Sample No.:* B4760 S24 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	89	A44	ADQ	14		MD1-1	13	7	1.9			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	89	A44	ADQ		14	MF	13	0.5	26			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS >10, PSAS TOT, PSAM >10, PSAM TOT
C	90	B11		NSD									
C	91	B12		NSD									
C	92	B13		NSD									

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1CH-100404 *Lab/Cor Sample No.:* B4760 S25 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	C24	AZQ	1	1	F	5.5	0.4	14	5262	15181	Mg, Si, Fe Amosite Zone Axis [7 1 20] - JH	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	C24	ADQ	2	2	F	18	4	4.5			Mg, Si, Ca,Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	4	C4		NSD									
A	5	C44		NSD									
A	6	B43		NSD									
A	7	B33	AZQ	3		MD1-0	2.5	2	1.2			Actinolite	TAS_AHRA
A	7	B33	AZQ		3	MF	1.7	0.2	8.5	5263	15502	Mg, Si, Ca,Fe Actinolite Zone Axis [3 -1 2] - KM	
A	8	B3	AX	4	4	F	15	2.5	6.0			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	B3	CDQ	5		MD1-0	10	8	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	B3	CDQ		5	MB	1.8	0.15	12	5264	15183	Mg, Si Chrysotile Confirmed - KM	
A	9	C13		NSD									
A	10	C33	ADQ	6	6	F	6.8	1.5	4.5			Mg, Si, Ca,Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	11	B32	CM	7		MD1-0	15	10	1.5			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	11	B32	CM		7	MF	1.2	0.1	12			Chrysotile	
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12	CMQ	8	8	F	1.2	0.1	12			Mg, Si Chrysotile	TAS_AHRA
A	15	C32		NSD									
A	16	B31		NSD									
A	17	B21	CM	9	9	F	1	0.08	12			Chrysotile	TAS_AHRA
A	18	B1		NSD									
A	19	C11	CD	10	10	F	0.8	0.08	10			Chrysotile	TAS_AHRA
A	20	C31		NSD									
A	21	A31	CDQ	11		MD1-0	6.5	6	1.1			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1CH-100404 *Lab/Cor Sample No.:* B4760 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	21	A31	CDQ		11	MF	1.1	0.1	11			Chrysotile	
A	22	A11	ADQ	12		MD1-1	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	22	A11	ADQ		12	MF	10	0.4	25			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
A	23	D1	CD	13		MD1-0	3	2	1.5			Chrysotile	TAS_AHRA
A	23	D1	CD		13	MF	0.7	0.08	8.8			Chrysotile	
A	24	D21	CDQ	14	14	B	8.5	0.4	21			Mg, Si 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
A	25	D41		NSD									
A	26	A32		NSD									
A	27	A12		NSD									
A	28	D2		NSD									
A	29	D22		NSD									
A	30	D42		NSD									
A	31	D10		NSD									
B	32	B44		NSD									
B	33	B24		NSD									
B	34	B4		NSD									
B	35	C14		NSD									
B	36	C34		NSD									
B	37	B33	CD	15	15	F	0.9	0.11	8.2			Chrysotile	TAS_AHRA
B	38	B13	ADQ	16	16	F	3.8	0.5	7.6			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	39	C3		NSD									
B	40	C23		NSD									
B	41	C43		NSD									
B	42	B42	CD	17	17	F	1	0.1	10			Chrysotile	TAS_AHRA
B	43	B22		NSD									
B	44	B2	CD	18		MD1-0	5.9	4	1.5			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	44	B2	CD		18	MF	1.5	0.11	14			Chrysotile	
B	45	C12		NSD									
B	46	C32		NSD									

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Report # 041172R3

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1CH-100404 *Lab/Cor Sample No.:* B4760 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	47	B41		NSD									
B	48	B21		NSD									
B	49	B1		NSD									
B	50	C11		NSD									
B	51	C31		NSD									
B	52	A41		NSD									
B	53	A21		NSD									
B	54	A1		NSD									
B	55	D11		NSD									
B	56	D31		NSD									
B	57	A32	ADQ	19	19	F	5.5	1	5.5			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	58	A12	CD	20	20	F	0.8	0.11	7.3			Chrysotile	TAS_AHRA
B	59	D2		NSD									
B	60	D22		NSD									
B	61	D42		NSD									
B	62	C10		NSD									
C	63	B34		NSD									
C	64	B14		NSD									
C	65	C4		NSD									
C	66	C24		NSD									
C	67	C44	ADQ	21	21	F	1.8	0.5	3.6			Mg, Si, Ca,Fe Actinolite	TAS_AHRA
C	68	B43		NSD									
C	69	B23	ADQ	22	22	F	10	1.5	6.7			Mg, Si, Ca,Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	70	B3		NSD									
C	71	C13		NSD									
C	72	C33		NSD									
C	73	B32		NSD									
C	74	B12		NSD									
C	74	C2	ADQ	23	23	F	9	3	3.0			Mg, Si, Ca,Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	75	C22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1CH-100404 *Lab/Cor Sample No.:* B4760 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	76	C42		NSD									
C	77	B41		NSD									
C	78	B21		NSD									
C	79	B2		NSD									
C	80	C12		NSD									
C	81	C32		NSD									
C	82	A31	CD	24		MD1-0	4.5	3.5	1.3			Chrysotile	TAS_AHRA
C	82	A31	CD		24	MF	0.5	0.08	6.2			Chrysotile	
C	82	A31	ADQ	25	25	F	4.5	1.35	3.3			Mg, Si, Ca,Fe Actinolite	TAS_AHRA
C	83	A11		NSD									
C	84	D1		NSD									
C	85	D21	CD	26	26	F	1	0.12	8.3			Chrysotile	TAS_AHRA
C	86	D41		NSD									
C	87	A42		NSD									
C	88	A22		NSD									
C	89	A2		NSD									
C	90	D12		NSD									
C	91	D32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1ZB-100404 *Lab/Cor Sample No.:* B4760 S26 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A1		NSD									
A	2	A21		NSD									
A	3	A41		NSD									
A	4	A43		NSD									
A	5	A23		NSD									
A	6	A3		NSD									
A	7	D13		NSD									
A	8	D33		NSD									
A	9	D40		NSD									
A	10	D20		NSD									
A	11	D10		NSD									
A	12	C10		NSD									
A	13	C20		NSD									
A	14	C40		NSD									
A	15	C42		NSD									
A	16	C22		NSD									
A	17	C2		NSD									
A	18	A12		NSD									
A	19	A32		NSD									
A	20	B44		NSD									
A	21	B24		NSD									
A	22	B4		NSD									
A	23	C14		NSD									
A	24	C34		NSD									
A	25	C44		NSD									
A	26	C33		NSD									
A	27	C13		NSD									
A	28	B3		NSD									
A	29	B23		NSD									
A	30	B43		NSD									
B	31	A10		NSD									
B	32	A42		NSD									
B	33	A22		NSD									
B	34	A2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1ZB-100404 *Lab/Cor Sample No.:* B4760 S26 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	D12		NSD									
B	36	D32		NSD									
B	37	D44		NSD									
B	38	D24		NSD									
B	39	D4		NSD									
B	40	A14		NSD									
B	41	A34		NSD									
B	42	B40		NSD									
B	43	B20		NSD									
B	44	B10		NSD									
B	45	B42		NSD									
B	46	B22		NSD									
B	47	B2		NSD									
B	48	C12		NSD									
B	49	C32		NSD									
B	50	C44		NSD									
B	51	C24		NSD									
B	52	B4		NSD									
B	53	B24		NSD									
B	54	B44		NSD									
B	55	D1		NSD									
B	56	A1		NSD									
B	57	A11		NSD									
B	58	A21		NSD									
B	59	A31		NSD									
B	60	A41		NSD									
C	61	A4		NSD									
C	62	A2		NSD									
C	63	A11		NSD									
C	64	A13		NSD									
C	65	B10		NSD									
C	66	B12		NSD									
C	67	B14		NSD									
C	68	B24		NSD									

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-1ZB-100404 *Lab/Cor Sample No.:* B4760 S26 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	B22		NSD									
C	70	B20		NSD									
C	71	A21		NSD									
C	72	A23		NSD									
C	73	A33		NSD									
C	74	A43		NSD									
C	75	A42		NSD									
C	76	A40		NSD									
C	77	B41		NSD									
C	78	B43		NSD									
C	79	B44		NSD									
C	80	B1		NSD									
C	81	B3		NSD									
C	82	C14		NSD									
C	83	C12		NSD									
C	84	C10		NSD									
C	85	D11		NSD									
C	86	D13		NSD									
C	87	D34		NSD									
C	88	D32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S27 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A1	CDQ	1		MD1-0	4.9	3	1.6			Chrysotile	TAS_AHRA
A	1	A1	CDQ		1	MB	4.9	0.3	16	828	574	Mg, Si Chrysotile Confirmed - KM	
A	1	A1	CDQ	2	2	B	0.7	0.2	3.5			Chrysotile	TAS_AHRA
A	1	A1	CDQ	3	3	B	1	0.08	12			Chrysotile	TAS_AHRA
A	1	A1	CDQ	4	4	F	0.6	0.04	15			Chrysotile	TAS_AHRA
A	1	A1	CDQ	5	5	F	0.6	0.04	15			Chrysotile	TAS_AHRA
A	2	A21	CDQ	6		MD2-0	6	2.3	2.6			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	A21	CDQ		6	MF	1.5	0.05	30			Chrysotile	
A	2	A21	CDQ		7	MF	2.5	0.05	50			Chrysotile	
A	3	A41		NSD									
A	4	A43	AZQ	7	8	F	4	0.7	5.7	829	575	Na, Mg, Al, Si, Ca, Fe Actinolite Zone Axis [7 1 0] - KM	TAS_AHRA
A	5	A23	CD	8	9	F	0.6	0.05	12			Chrysotile	TAS_AHRA
A	6	A3	CD	9	10	F	0.7	0.05	14			Chrysotile	TAS_AHRA
A	7	D13		NSD									
A	8	D30	CD	10	11	F	1	0.07	14			Chrysotile	TAS_AHRA
A	8	D30	CD	11	12	B	2.3	0.5	4.6			Chrysotile	TAS_AHRA
A	9	D41	CD	12	13	F	0.7	0.05	14			Chrysotile	TAS_AHRA
A	9	D41	CD	13	14	B	17	7	2.4			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	10	C40	ADQ	14	15	F	4.5	0.9	5.0			Mg, Si, Ca,Fe Actinolite	TAS_AHRA
A	11	C20		NSD									
A	12	C10		NSD									
A	13	C42	CD	15		MD2-0	2.6	2.3	1.1			Chrysotile	TAS_AHRA
A	13	C42	CD		16	MF	2.5	0.04	62			Chrysotile	
A	13	C42	CD		17	MF	0.7	0.08	8.8			Chrysotile	
A	14	C22	CD	16		MD1-0	8	5	1.6			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	14	C22	CD		18	MB	2.4	0.2	12			Chrysotile	
A	14	C22	CD	17	19	F	1.1	0.04	28			Chrysotile	TAS_AHRA
A	14	C22	CD	18	20	F	1	0.04	25			Chrysotile	TAS_AHRA
A	15	C2		NSD									
A	16	B12	CD	19	21	F	0.55	0.05	11			Chrysotile	TAS_AHRA
A	17	B22	CD	20	22	B	2.3	0.2	12			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S27 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	18	B42		NSD									
A	19	B44		NSD									
A	20	B24	CD	21		MD1-0	4	2.3	1.7			Chrysotile	TAS_AHRA
A	20	B24	CD		23	MF	4	0.06	67			Chrysotile	
A	20	B24	ADQ	22	24	F	15	5	3.0			Mg, Si, Ca,Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	21	C4	CD	23	25	CC6-0	2.3	0.4	5.8			Chrysotile	
A	22	C24	CDQ	24	26	F	1.7	0.05	34			Mg, Si Chrysotile	TAS_AHRA
A	22	C24	CD	25	27	F	2.5	0.06	42			Chrysotile	TAS_AHRA
B	23	A10		NSD									
B	24	B40		NSD									
B	25	B41		NSD									
B	26	A41	CD	26	28	F	1	0.1	10			Chrysotile	TAS_AHRA
B	27	A21	CD	27	29	F	0.75	0.05	15			Chrysotile	TAS_AHRA
B	27	A21	ADQ	28		MD1-1	11	10	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	27	A21	ADQ		30	MF	5.1	1.3	3.9			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	28	A1	CDQ	29		MD1-0	5	3.5	1.4			Chrysotile	TAS_AHRA
B	28	A1	CDQ		31	MB	2	0.3	6.7			Mg, Si Chrysotile	
B	28	A1	CD	30		MD1-0	4	2	2.0			Chrysotile	TAS_AHRA
B	28	A1	CD		32	MF	0.6	0.05	12			Chrysotile	
B	29	D11		NSD									
B	30	D31		NSD									
B	31	D41	CMQ	31	33	F	0.6	0.05	12			Mg, Si Chrysotile	TAS_AHRA
B	31	D41	CMQ	32	34	F	1.2	0.05	24			Mg, Si Chrysotile	TAS_AHRA
B	31	D41	CMQ	33	35	F	0.6	0.05	12			Mg, Si Chrysotile	TAS_AHRA
B	31	D41	ADQ	34	36	F	8.5	0.85	10			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	31	D41	CMQ	35	37	B	9	2.5	3.6			Mg, Si Chrysotile	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	32	D21		NSD									
B	32	A1	CMQ	36	38	F	1	0.05	20			Mg, Si Chrysotile	TAS_AHRA
B	33	A1	CMQ	37	39	F	0.75	0.05	15			Mg, Si Chrysotile	TAS_AHRA

Lab/Cor, Inc.

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-2CH-100404 *Lab/Cor Sample No.:* B4760 S27 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	A1	ADQ	38	40	F	9	2	4.5			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	34	A21	CD	39		MD1-0	20	20	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	34	A21	CD		41	MF	1	0.05	20			Chrysotile	
B	34	A21	CMQ	40	42	F	0.6	0.05	12			Mg, Si Chrysotile	TAS_AHRA
B	34	A21	CMQ	41	43	F	1	0.05	20			Mg, Si Chrysotile	TAS_AHRA
B	34	A21	CMQ	42	44	F	0.6	0.05	12			Mg, Si Chrysotile	TAS_AHRA
B	34	A21	CMQ	43	45	F	0.5	0.05	10			Mg, Si Chrysotile	TAS_AHRA
B	35	A41	CMQ	44		MD1-1	40	15	2.7			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	35	A41	CMQ		46	MF	5.1	0.05	100			Mg, Si Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
B	36	A32	CMQ	45		MD1-0	5	5	1.0			Chrysotile	TAS_AHRA
B	36	A32	CMQ		47	MF	0.6	0.05	12			Mg, Si Chrysotile	
B	37	A12	CDQ	46	48	F	1.75	0.05	35			Mg, Si Chrysotile	TAS_AHRA
B	38	D2		NSD									
B	39	D22		NSD									
B	40	D42		NSD									
B	41	C44	CMQ	47	49	F	1	0.05	20			Mg, Si Chrysotile	TAS_AHRA
B	42	C24	AQ	48	50	F	4	0.5	8.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	42	C24	CMQ	49	51	F	2.75	0.05	55			Mg, Si Chrysotile	TAS_AHRA
B	43	C4	CMQ	50	52	F	0.6	0.05	12			Mg, Si Chrysotile	TAS_AHRA
B	43	C4	CMQ	51	53	F	1	0.025	40			Mg, Si Chrysotile	TAS_AHRA
B	44	B14	CMQ	52		MD1-0	10	8	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	44	B14	CMQ		54	MF	0.85	0.1	8.5			Mg, Si Chrysotile	
B	44	B14	CMQ	53		MD2-0	3	2	1.5			Chrysotile	TAS_AHRA
B	44	B14	CMQ		55	MF	1.25	0.15	8.3			Mg, Si Chrysotile	
B	44	B14	CMQ		56	MF	1	0.15	6.7			Mg, Si Chrysotile	

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Report # 041172R3

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S28 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	CDQ	1		MD1-0	8	6	1.3			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	B22	CDQ		1	MB	1.5	0.38	3.9	5265	15184	Mg, Si Chrysotile Confirmed - KM	
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32		NSD									
A	16	B41		NSD									
A	17	B21		NSD									
A	18	B1	CMQ	2	2	B	3.7	0.5	7.4			Mg, Si Chrysotile	TAS_AHRA
A	19	C11		NSD									
A	20	C31	CMQ	3		MD1-0	5.5	3.8	1.4			Mg, Si Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	20	C31	CMQ		3	MF	0.5	0.1	5.0			Mg, Si Chrysotile	
A	21	A41	ADQ	4	4	F	3.7	1.1	3.4			Mg, Si, Ca,Fe Actinolite	TAS_AHRA
A	22	A21		NSD									
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	D42		NSD									

Lab/Cor, Inc.

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S28 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	B44		NSD									
B	32	B24		NSD									
B	33	B4		NSD									
B	34	C14		NSD									
B	35	C34	AZQ	5		MD1-0	10	6	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	35	C34	AZQ		5	MF	1.7	0.45	3.8	5285	15185	Mg, Si, Ca,Fe Actinolite Zone Axis [1 0 0] - KM	
B	36	B33		NSD									
B	37	B13		NSD									
B	38	C13		NSD									
B	39	C23		NSD									
B	40	C43		NSD									
B	41	B42		NSD									
B	42	B22		NSD									
B	43	B2		NSD									
B	44	C12		NSD									
B	45	C32	CQ	6		MD1-0	8	6	1.3			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	45	C32	CQ		6	MF	0.7	0.1	7.0			Mg, Si Chrysotile	
B	46	B41		NSD									
B	47	B11		NSD									
B	48	C1		NSD									
B	49	C21		NSD									
B	50	C41		NSD									
B	51	A31		NSD									
B	52	A11	CM	7	7	B	2.2	0.35	6.3			Chrysotile	TAS_AHRA
B	53	D1		NSD									
B	54	D21		NSD									
B	55	D41		NSD									
B	56	A42		NSD									
B	57	A22		NSD									
B	58	A2		NSD									
B	59	D12		NSD									
B	60	D32		NSD									

Lab/Cor, Inc.

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S28 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	61	A12		NSD									
C	61	A32	CMQ	8	8	F	1.7	0.05	34			Mg, Si Chrysotile	TAS_AHRA
C	61	A32	CMQ	9	9	F	1.05	0.05	21			Mg, Si Chrysotile	TAS_AHRA
C	61	A32	CMQ	10	10	F	0.5	0.07	7.1			Mg, Si Chrysotile	TAS_AHRA
C	62	A42	CMQ	11	11	F	0.65	0.05	13			Mg, Si Chrysotile	TAS_AHRA
C	63	A41		NSD									
C	64	A31	CDQ	12	12	B5-0	1.75	0.25	7.0			Mg, Si Chrysotile	TAS_AHRA
C	65	A40		NSD									
C	66	B31	AQ	13	13	F	5	1	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	67	B32		NSD									
C	68	B33	CMQ	14	14	F	0.5	0.05	10			Mg, Si Chrysotile	TAS_AHRA
C	68	B33	CMQ	15	15	F	1	0.07	14			Mg, Si Chrysotile	TAS_AHRA
C	69	B43		NSD									
C	70	B44	CMQ	16	16	F	1.4	0.05	28			Mg, Si Chrysotile	TAS_AHRA
C	70	B44	CMQ	17	17	F	1.1	0.05	22			Mg, Si Chrysotile	TAS_AHRA
C	71	B34		NSD									
C	72	C31		NSD									
C	73	C42		NSD									
C	74	D20		NSD									
C	75	D30	CDQ	18	18	B6-0	0.75	0.3	2.5			Mg, Si Chrysotile	TAS_AHRA
C	76	D40		NSD									
C	77	D22		NSD									
C	78	D32		NSD									
C	79	D42		NSD									
D	80	D22		NSD									
D	81	D32	CDQ	19	19	F	1	0.05	20			Mg, Si Chrysotile	TAS_AHRA
D	82	D41	CMQ	20	20	F	0.75	0.05	15			Mg, Si Chrysotile	TAS_AHRA
D	82	D41	AQ	21	21	F	15	5	3.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
D	83	D40		NSD									
D	84	D31		NSD									
D	85	D30	AQ	22	22	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
D	86	C20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-3CH-100404 *Lab/Cor Sample No.:* B4760 S28 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
D	87	C30		NSD									
D	88	C40		NSD									
D	89	C31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-4CH-100404 *Lab/Cor Sample No.:* B4760 S29 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	CDQ	1		MD1-0	11	9	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	B44	CDQ		1	MF	1.25	0.15	8.3			Mg, Si Chrysotile	
A	1	B44	CQ	2		MD2-0	10	7	1.4			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B44	CQ		2	MF	0.6	0.05	12			Mg, Si Chrysotile	
A	1	B44	CQ		3	MF	0.7	0.05	14			Mg, Si Chrysotile	
A	1	B44	CQ	3		MD1-0	1	1	1.0			Chrysotile	TAS_AHRA
A	1	B44	CQ		4	MF	0.75	0.15	5.0			Mg, Si Chrysotile	
A	2	B14	CQ	4		MD1-0	4	2	2.0			Chrysotile	TAS_AHRA
A	2	B14	CQ		5	MF	1.25	0.15	8.3			Mg, Si Chrysotile	
A	3	C4	CDQ	5	6	F	1.5	0.05	30			Mg, Si Chrysotile	TAS_AHRA
A	3	C4	CDQ	6	7	F	1.3	0.05	26			Mg, Si Chrysotile	TAS_AHRA
A	3	C4	CQ	7	8	F	0.6	0.01	60			Mg, Si Chrysotile	TAS_AHRA
A	3	C4	CDQ	8		MD2-0	5	5	1.0			Chrysotile	TAS_AHRA
A	3	C4	CDQ		9	MF	2.5	0.05	50			Mg, Si Chrysotile	
A	3	C4	CDQ		10	MF	2	0.05	40	831	577	Mg, Si Chrysotile Confirmed - KM	
A	3	C4	CQ	9	11	F	0.65	0.15	4.3			Mg, Si Chrysotile	TAS_AHRA
A	3	C4	CQ	10	12	F	0.75	0.01	75			Mg, Si Chrysotile	TAS_AHRA
A	4	C24	CM	11		MD2-0	10	7	1.4			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	C24	CM		13	MF	1.5	0.05	30			Chrysotile	
A	4	C24	CM		14	MF	0.75	0.05	15			Chrysotile	
A	4	C24	CM	12	15	F	0.5	0.05	10			Chrysotile	TAS_AHRA
A	4	C24	CD	13	16	F	0.5	0.01	50			Chrysotile	TAS_AHRA
A	5	C44	CM	14		MD1-0	1.2	1.2	1.0			Chrysotile	TAS_AHRA
A	5	C44	CM		17	MF	1	0.05	20			Chrysotile	
A	5	C44	CM	15	18	F	0.5	0.05	10			Chrysotile	TAS_AHRA
A	5	C44	CM	16	19	F	1.2	0.05	24			Chrysotile	TAS_AHRA
A	5	C44	CM	17		MD1-0	1.5	0.75	2.0			Chrysotile	TAS_AHRA
A	5	C44	CM		20	MF	1.2	0.05	24			Chrysotile	
A	5	C44	CM	18	21	F	1.5	0.05	30			Chrysotile	TAS_AHRA
A	5	C44	AZQ	19		MD1-0	20	15	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	5	C44	AZQ		22	MF	4	0.65	6.2	5286	15503	Mg,Al,Si,Ca,Fe Actinolite Zone Axis [1 -1 1] - KM	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-4CH-100404 *Lab/Cor Sample No.:* B4760 S29 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	6	C43		NSD									
A	7	C33	CM	20		MD1-0	5.5	5	1.1			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	7	C33	CM		23	MF	1	0.05	20			Chrysotile	
A	7	C33	CM	21		MD1-0	20	15	1.3			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C33	CM		24	MF	0.6	0.05	12			Chrysotile	
A	7	C33	CM	22	25	F	0.6	0.01	60			Chrysotile	TAS_AHRA
A	7	C33	CM	23	26	F	0.5	0.05	10			Chrysotile	TAS_AHRA
A	7	C33	CM	24	27	F	1	0.05	20			Chrysotile	TAS_AHRA
A	7	C33	CM	25	28	F	0.75	0.05	15			Chrysotile	TAS_AHRA
A	7	C33	CM	26		MD1-0	15	15	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C33	CM		29	MF	1.2	0.1	12			Chrysotile	
A	7	C33	CM	27		MD1-1	30	15	2.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C33	CM		30	MB	8	1.2	6.7			Chrysotile	AFB>5, PCMEF-US
A	8	C13	CM	28		MD1-0	10	10	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C13	CM		31	MF	0.6	0.05	12			Chrysotile	
A	9	B3	CM	29		MD1-0	20	15	1.3			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	B3	CM		32	MF	1	0.05	20			Chrysotile	
A	9	B3	CM	30	33	F	0.65	0.05	13			Chrysotile	TAS_AHRA
A	9	B3	CM	31	34	F	0.65	0.05	13			Chrysotile	TAS_AHRA
A	9	B3	CM	32		MD1-0	7.5	7.5	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	9	B3	CM		35	MF	0.75	0.05	15			Chrysotile	
A	10	B23		NSD									
A	11	B43	CD	33	36	B	2	2	1.0			Chrysotile	TAS_AHRA
A	11	B43	ADQ	34		MD1-1	20	15	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	11	B43	AQ		37	MF	9	0.75	12			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	11	B43	CM	35	38	F	0.75	0.05	15			Chrysotile	TAS_AHRA
A	11	B43	CM	36	39	F	0.75	0.05	15			Chrysotile	TAS_AHRA
A	11	B43	CM	37	40	F	1	0.15	6.7			Chrysotile	TAS_AHRA
A	12	B32	CM	38	41	F	0.6	0.05	12			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-4CH-100404 *Lab/Cor Sample No.:* B4760 S29 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	12	B32	CM	39		MD2-0	3.5	3	1.2			Chrysotile	TAS_AHRA
A	12	B32	CM		42	MF	0.75	0.05	15			Chrysotile	
A	12	B32	CM		43	MF	0.75	0.05	15			Chrysotile	
A	12	B32	CM	40	44	F	0.5	0.05	10			Chrysotile	TAS_AHRA
A	12	B32	CM	41		MD1-0	6	5	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	B32	CM		45	MF	3.5	0.15	23			Chrysotile	
A	12	B32	CM	42		MD1-0	10	10	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	B32	CM		46	MF	1	0.05	20			Chrysotile	
B	13	B31		NSD									
B	14	B11	CM	43	47	F	0.5	0.01	50			Chrysotile	TAS_AHRA
B	15	C1	CM	44	48	F	0.5	0.05	10			Chrysotile	TAS_AHRA
B	16	C21	CM	45		MD1-0	4	2.5	1.6			Chrysotile	TAS_AHRA
B	16	C21	CM		49	MF	1	0.01	100			Chrysotile	
B	16	C21	CM	46	50	F	1.2	0.01	120			Chrysotile	TAS_AHRA
B	16	C21	CM	47	51	F	1	0.01	100			Chrysotile	TAS_AHRA
B	17	C41	CD	48		MD1-0	4	3	1.3			Chrysotile	TAS_AHRA
B	17	C41	CD		52	MF	2.5	0.01	250			Chrysotile	
B	17	C41	CM	49		MD1-0	7.5	7.5	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	17	C41	CM		53	MF	1	0.05	20			Chrysotile	

Lab/Cor, Inc.

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S30 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A10		NSD									
A	2	A30		NSD									
A	3	A40	CD	1		MD1-0	3	1.8	1.7			Chrysotile	TAS_AHRA
A	3	A40	CD		1	MB	3	0.1	30	833		Chrysotile Fiber tilts into grid bar. Confirmed - KM	
A	3	A40	CDQ	2	2	B	1.1	0.2	5.5	834	579	Mg, Si Chrysotile Confirmed - KM	TAS_AHRA
A	4	B41	AZQ	3	3	F	4.5	0.3	15	835	580	Mg, Si, Ca, Fe Tremolite Zone Axis [3 0 1] - KM	TAS_AHRA
A	5	B21	CDQ	4	4	F	1.2	0.1	12			Chrysotile	TAS_AHRA
A	6	B1		NSD									
A	7	C11		NSD									
A	8	C31	CDQ	5	5	F	5.2	0.05	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	9	C43		NSD									
A	10	C23	CDQ	6	6	F	0.7	0.1	7.0			Chrysotile	TAS_AHRA
A	11	C3		NSD									
A	12	B13		NSD									
A	13	B33		NSD									
A	14	A41		NSD									
A	15	A21		NSD									
A	16	D1		NSD									
A	17	D3		NSD									
A	17	D13	CD	7	7	F	1.2	0.08	15			Chrysotile	TAS_AHRA
A	18	D43		NSD									
B	19	A1		NSD									
B	20	A3	CD	8	8	F	1.2	0.06	20			Chrysotile	TAS_AHRA
B	20	A3	ADQ	9	9	F	2.7	0.3	9.0			Tremolite	TAS_AHRA
B	21	A4		NSD									
B	22	A24		NSD									
B	23	A44	CD	10		CD3-0	3	2	1.5			Chrysotile	TAS_AHRA
B	23	A44	CD		10	CB	3	0.5	6.0			Chrysotile	
B	23	A44	CD		11	CF	2.5	0.05	50			Chrysotile	
B	23	A44	CD		12	CB	2.2	0.6	3.7			Chrysotile	
B	24	A24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S30 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	25	A22		NSD									
B	26	A2	CD	11	13	F	1.1	0.07	16			Chrysotile	TAS_AHRA
B	27	D12		NSD									
B	28	D32	CD	12	14	B	3.5	0.25	14			Chrysotile	TAS_AHRA
B	29	D40	CD	13	15	F	1.2	0.05	24			Chrysotile	TAS_AHRA
B	30	D20		NSD									
B	31	D10		NSD									
B	32	C20		NSD									
B	33	C40		NSD									
B	34	C42	CD	14	16	F	0.7	0.05	14			Chrysotile	TAS_AHRA
B	35	C22		NSD									
B	36	C2		NSD									
B	37	B12	CD	15	17	F	0.5	0.05	10			Chrysotile	TAS_AHRA
B	38	B32		NSD									
B	39	B44		NSD									
B	40	B24		NSD									
B	41	B4		NSD									
B	42	C14		NSD									
B	43	B1	AZQ	16	18	F	5.1	1	5.1	838	582	Mg, Si, Ca, Fe Actinolite Zone Axis [4 0 3] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	44	B3		NSD									
B	45	B14		NSD									
B	46	B12	CD	17		MD3-0	3	3	1.0			Chrysotile	TAS_AHRA
B	46	B12	CD		19	MB	3	0.2	15			Chrysotile	
B	46	B12	CD		20	MF	2.8	0.05	56			Chrysotile	
B	46	B12	CD		21	MB	2.4	0.15	16			Chrysotile	
B	47	B10		NSD									
B	48	A11		NSD									
B	49	A13		NSD									
B	50	A34	ADQ	18	22	F	7	1	7.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	51	A32		NSD									
B	52	A30		NSD									
B	53	B31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S30 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	54	B33	ADQ	19	23	F	1.5	0.3	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	54	B33	CD	20	24	B	1	0.2	5.0			Chrysotile	TAS_AHRA
B	55	C13	CD	21	25	F	1.2	0.06	20			Chrysotile	TAS_AHRA
B	56	C11	CD	22		MD1-0	5.3	4.8	1.1			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	56	C11	CD		26	MB	2	0.2	10			Chrysotile	
B	56	C11	CD	23	27	F	2.3	0.06	38			Chrysotile	TAS_AHRA
B	56	C11	CD	24		CD3-0	2.8	1	2.8			Chrysotile	TAS_AHRA
B	56	C11	CD		28	CR15-0	2.8	0.6	4.7			Chrysotile	
B	56	C11	CD		29	CF	1.2	0.05	24			Chrysotile	
B	56	C11	CD		30	CF	1	0.04	25			Chrysotile	
B	56	C11	CD	25	31	B	1.5	0.5	3.0			Chrysotile	TAS_AHRA
B	57	D11		NSD									
B	58	D13		NSD									
B	59	D34	ADQ	26	32	F	2.3	0.3	7.7			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	59	D34	ADQ	27		MD1-1	5.2	3	1.7			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	59	D34	ADQ		33	MF	5.2	0.4	13			Mg, Si, Ca, Fe Tremolite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
C	60	B44	CM	28		MD1-0	3.5	3.5	1.0			Chrysotile	TAS_AHRA
C	60	B44	CM		34	MF	2	0.05	40			Chrysotile	
C	61	B24	CM	29	35	F	0.6	0.05	12			Chrysotile	TAS_AHRA
C	61	B24	CM	30	36	F	0.5	0.01	50			Chrysotile	TAS_AHRA
C	61	B24	CM	31		MD1-0	5.5	5.5	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	61	B24	CM		37	MB	2.5	0.3	8.3			Chrysotile	
C	62	B4		NSD									
C	63	C14	CD	32		MD1-0	6.5	6.5	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	63	C14	CM		38	MF	1.5	0.1	15			Chrysotile	
C	63	C14	CM	33	39	F	0.6	0.05	12			Chrysotile	TAS_AHRA
C	63	C14	CM	34	40	F	0.6	0.05	12			Chrysotile	TAS_AHRA
C	64	B33		NSD									
C	65	B13	CM	35	41	F	0.75	0.15	5.0			Chrysotile	TAS_AHRA
C	65	B13	CM	36		MD1-0	4	2.5	1.6			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TPG-L2-5CH-100404 *Lab/Cor Sample No.:* B4760 S30 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	65	B13	CM		42	MB	4.5	0.85	5.3			Chrysotile	
C	65	B13	CM	37	43	F	1	0.05	20			Chrysotile	TAS_AHRA
C	66	C3		NSD									
C	67	C23	CM	38		MD1-0	1	1	1.0			Chrysotile	TAS_AHRA
C	67	C23	CM		44	MF	1	0.05	20			Chrysotile	
C	68	C43	CM	39		MD1-1	15	15	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	68	C43	CM		45	MB	9	1.2	7.5			Chrysotile	AFB>5, PCMEF-US
C	69	C32	CM	40	46	F	0.5	0.05	10			Chrysotile	TAS_AHRA
C	70	C12		NSD									
C	71	B2	CM	41	47	F	0.6	0.01	60			Chrysotile	TAS_AHRA
C	71	B2	CM	42		MD2-0	10	10	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	71	B2	CM		48	MB	1.2	0.25	4.8			Chrysotile	
C	71	B2	CM		49	MF	1	0.05	20			Chrysotile	
C	71	B2	CM	43		MD1-0	8	2	4.0			Chrysotile	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	71	B2	CM		50	MF	0.6	0.05	12			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-H2-1FD-100304 *Lab/Cor Sample No.:* B4760 S31 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	D43		NSD									
A	6	D41		NSD									
A	7	D21		NSD									
A	8	D1		NSD									
A	9	A11		NSD									
A	10	A31		NSD									
A	11	B40		NSD									
A	12	B20		NSD									
B	13	B42		NSD									
B	14	B22		NSD									
B	15	C2		NSD									
B	16	C22		NSD									
B	17	C42	AZQ	1	1	F	7	1.7	4.1	978	711	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
B	18	C40		NSD									
B	19	C20		NSD									
B	20	B10		NSD									
B	21	A41		NSD									
B	22	A11		NSD									
B	23	D1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-H2-2FD-100304 *Lab/Cor Sample No.:* B4760 S32 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	AZQ	1	1	F	4.9	0.7	7.0	979	15504	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	TAS_AHRA
A	6	D41		NSD									
A	7	D21	AQ	2		MD1-0	4.3	2.7	1.6			Actinolite	TAS_AHRA
A	7	D21	AQ		2	MF	4	0.45	8.9			Mg, Al, Si, Ca, Fe Actinolite	
A	8	D1		NSD									
A	9	A11		NSD									
A	10	B40		NSD									
A	11	B20		NSD									
A	12	C1		NSD									
B	13	B43	AQ	3	3	F	4.8	1.2	4.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	14	B23		NSD									
B	15	B3		NSD									
B	16	C13		NSD									
B	17	C43		NSD									
B	18	C41	AQ	4	4	F	11	1	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	19	C21		NSD									
B	20	C1		NSD									
B	21	B11		NSD									
B	22	B31	AQ	5	5	F	7.7	0.5	15			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	B31	AQ	6	6	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

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-H2-3FD-100304 *Lab/Cor Sample No.:* B4760 S33 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B42		NSD									
A	2	B12		NSD									
A	3	C12		NSD									
A	4	B14		NSD									
A	5	C14		NSD									
A	6	C44		NSD									
A	7	A20		NSD									
A	8	D10		NSD									
B	9	A32		NSD									
B	10	A2		NSD									
B	11	D22		NSD									
B	12	B31		NSD									
B	13	B1		NSD									
B	14	C21		NSD									
B	15	B13		NSD									
B	16	C3		NSD									
C	17	B23	CDQ	1	1	F	1	0.05	20	980	713	Mg, Si Chrysotile Verified - KM	TAS_AHRA
C	18	B43		NSD									
C	19	B3		NSD									
C	20	C13	AZQ	2		MD1-1	6	6	1.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	20	C13	AZQ		2	MF	8	0.75	11	5438	15505	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 4] - KM	AFB>5, PCMEF-US
C	21	C33		NSD									
C	22	C42		NSD									
C	23	C22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-1CH-100304 *Lab/Cor Sample No.:* B4760 S34 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	B33		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	CDQ	1		MD1-0	6	3.5	1.7			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	19	B11	CDQ		1	MF	0.95	0.1	9.5	5402	15298	Mg, Si, Fe Chrysotile Verified - KM	
A	20	B41		NSD									
A	21	B40		NSD									
A	22	B20		NSD									
A	23	C10	AZQ	2		MD1-0	4	2.5	1.6			Actinolite	TAS_AHRA
A	23	C10	AZQ		2	MF	2	0.25	8.0	5403	15299	Mg, Si, Ca, Fe Actinolite Zone Axis [3 1 -2] - KM	
A	24	C30		NSD									
A	25	D40		NSD									
A	26	D20	AQ	3		MD1-0	25.5	4.25	6.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	26	D20	AQ		3	MF	4.25	0.45	9.4			Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite	
A	27	A10		NSD									
A	28	A30		NSD									
A	29	A41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-1CH-100304 *Lab/Cor Sample No.:* B4760 S34 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	30	B44		NSD									
B	31	B44		NSD									
B	32	B34		NSD									
B	33	B24		NSD									
B	34	B14	AQ	4	4	F	3.3	0.6	5.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	35	C4		NSD									
B	36	C14		NSD									
B	37	C24		NSD									
B	38	C34		NSD									
B	39	C44		NSD									
B	40	C3		NSD									
B	41	C13		NSD									
B	42	C23		NSD									
B	43	C33		NSD									
B	44	C43		NSD									
B	45	C2		NSD									
B	46	C12		NSD									
B	47	C22		NSD									
B	48	C32		NSD									
B	49	C42		NSD									
B	50	C1		NSD									
B	51	C31	AZQ	5	5	F	5.8	1.5	3.9	5404	15300	Mg, Si, Ca Tremolite Zone Axis [3 1 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	52	C11		NSD									
B	53	C21		NSD									
B	54	C41		NSD									
B	55	C20		NSD									
B	56	C30	AQ	6		MD1-0	6	2.5	2.4			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	56	C30	AQ		6	MF	3.8	0.5	7.6			Mg, Si, Ca Tremolite	
C	57	B44		NSD									
C	58	B24		NSD									
C	59	B4		NSD									
C	60	C14		NSD									

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-1CH-100304 *Lab/Cor Sample No.:* B4760 S34 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	61	C34		NSD									
C	62	B33		NSD									
C	63	B13	CDQ	7	7	B	8	0.35	23	5405	15301	Mg, Si Chrysotile Verified - KM	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	64	C3		NSD									
C	65	C23	AQ	8	8	F	3.7	0.6	6.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	66	C43		NSD									
C	67	B42		NSD									
C	68	B22		NSD									
C	69	B2		NSD									
C	70	C12		NSD									
C	71	C32		NSD									
C	72	B31		NSD									
C	73	B11		NSD									
C	74	C1		NSD									
C	75	C21		NSD									
C	76	C41		NSD									
C	77	B40		NSD									
C	78	B20	AQ	9	9	F	7.8	1.2	6.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	79	B10		NSD									
C	80	C10		NSD									
C	81	C30		NSD									
C	82	A41		NSD									
C	83	A21		NSD									
C	84	A11		NSD									
C	85	A1		NSD									
C	86	D11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-2CH-100304 *Lab/Cor Sample No.:* B4760 S35 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		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		NSD									
A	29	C42		NSD									
A	30	C41		NSD									
A	31	C31		NSD									
B	32	B44		NSD									
B	33	B34		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-2CH-100304 *Lab/Cor Sample No.:* B4760 S35 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	B24	AZQ	1		MD1-1	16	12	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	34	B24	AZQ		1	MF	6	1	6.0	981	715	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 4] - KM	AFB>5, PCMEF-US
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	AZQ	2	2	F	6	1.5	4.0	982	716	Mg, Al, Si, Ca, Fe Tremolite Zone Axis [1 0 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
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	B41		NSD									
B	53	B21		NSD									
B	54	B1		NSD									
B	55	C11		NSD									
B	56	C31		NSD									
B	57	D40		NSD									
B	58	D20		NSD									
B	59	A10		NSD									
B	60	A30		NSD									
B	61	A42		NSD									
C	62	A43		NSD									
C	63	A23		NSD									
C	64	A3		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-2CH-100304 *Lab/Cor Sample No.:* B4760 S35 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	65	D13		NSD									
C	66	D33		NSD									
C	67	D41		NSD									
C	68	D21		NSD									
C	69	D1		NSD									
C	70	A11		NSD									
C	71	A31	AQ	3	3	F	1.7	0.5	3.4			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	72	B40		NSD									
C	73	B10		NSD									
C	74	C10		NSD									
C	75	C30		NSD									
C	76	C42		NSD									
C	77	C22		NSD									
C	78	C2		NSD									
C	79	B12		NSD									
C	80	B42		NSD									
C	81	B43		NSD									
C	82	B3		NSD									
C	83	C3		NSD									
C	84	C23		NSD									
C	85	C43		NSD									
C	86	C44		NSD									
C	87	C24		NSD									
C	88	C4		NSD									
C	89	D14		NSD									
C	90	A34		NSD									
C	91	A14		NSD									

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-3CH-100304 *Lab/Cor Sample No.:* B4760 S36 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A44		NSD									
A	2	D24		NSD									
A	3	D34		NSD									
A	4	D32		NSD									
A	5	D12		NSD									
A	6	A2		NSD									
A	7	A12		NSD									
A	8	A32		NSD									
A	9	A42		NSD									
A	10	A40		NSD									
A	11	A20		NSD									
A	12	A10		NSD									
A	13	D10		NSD									
A	14	D30		NSD									
A	15	C41		NSD									
A	16	C21		NSD									
A	17	C1		NSD									
A	18	B11		NSD									
A	19	B31		NSD									
A	20	B41		NSD									
A	21	B43		NSD									
A	22	B23		NSD									
A	23	B3		NSD									
A	24	C13		NSD									
A	25	C33		NSD									
A	26	C43		NSD									
A	27	C44		NSD									
A	28	C24		NSD									
A	29	C4		NSD									
A	30	B14		NSD									
B	31	B43		NSD									
B	32	B33		NSD									
B	33	C23		NSD									
B	34	C43		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-3CH-100304 *Lab/Cor Sample No.:* B4760 S36 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	C41		NSD									
B	36	C21		NSD									
B	37	C1		NSD									
B	38	B11		NSD									
B	39	B31		NSD									
B	40	B41		NSD									
B	41	A40		NSD									
B	42	A20		NSD									
B	43	A10		NSD									
B	44	D10		NSD									
B	45	D30		NSD									
B	46	D40		NSD									
B	47	D42		NSD									
B	48	D22		NSD									
B	49	D2		NSD									
B	50	A12		NSD									
B	51	A32		NSD									
B	52	A42		NSD									
B	53	A24		NSD									
B	54	A4		NSD									
B	55	D14		NSD									
B	56	D34		NSD									
B	57	D44		NSD									
B	58	D41		NSD									
C	59	A44		NSD									
C	60	A24		NSD									
C	61	A4		NSD									
C	62	D14		NSD									
C	63	D34		NSD									
C	64	D44		NSD									
C	65	D42		NSD									
C	66	D22		NSD									
C	67	D2		NSD									
C	68	A12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-3CH-100304 *Lab/Cor Sample No.:* B4760 S36 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	A32		NSD									
C	70	A42		NSD									
C	71	A40		NSD									
C	72	A20		NSD									
C	73	A10		NSD									
C	74	D10		NSD									
C	75	C41		NSD									
C	76	C21		NSD									
C	77	C1		NSD									
C	78	B11		NSD									
C	79	B31		NSD									
C	80	B41		NSD									
C	81	B43		NSD									
C	82	B23	AZQ	1	1	F	8	1.5	5.3	983	717	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 5] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	83	B3		NSD									
C	84	B23		NSD									
C	85	B43		NSD									
C	86	B44		NSD									
C	87	B24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-4CH-100304 *Lab/Cor Sample No.:* B4760 S37 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	B32		NSD									
A	12	B12		NSD									
A	13	C2		NSD									
A	14	C22		NSD									
A	15	C42		NSD									
A	16	B31		NSD									
A	17	B21	ADQ	1		MD1-0	6.5	4	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	17	B21	ADQ		1	MF	2	0.4	5.0		15302	Mg, Al, Si, Ca, Fe Actinolite	
A	18	B1		NSD									
A	19	C11		NSD									
A	20	C31		NSD									
A	21	A31		NSD									
A	22	A21		NSD									
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									
B	30	B44		NSD									
B	31	B24		NSD									
B	32	B4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-4CH-100304 *Lab/Cor Sample No.:* B4760 S37 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C4		NSD									
B	34	C24		NSD									
B	35	C44		NSD									
B	36	C43	AZQ	2		MD1-0	6	6	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	36	C43	AZQ		2	MF	2.5	0.75	3.3	5408	15303	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - KM	
B	37	C23		NSD									
B	38	C3		NSD									
B	39	B3		NSD									
B	40	B23		NSD									
B	41	B43		NSD									
B	42	B42		NSD									
B	43	B22		NSD									
B	44	B2		NSD									
B	45	C2		NSD									
B	46	C22		NSD									
B	47	C42		NSD									
B	48	C41		NSD									
B	49	C21		NSD									
B	50	C1		NSD									
B	51	B1		NSD									
B	52	B21		NSD									
B	53	B41		NSD									
B	54	B40		NSD									
B	55	B20		NSD									
B	56	C20	AQ	3	3	F	8	0.9	8.9			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	57	C40		NSD									
B	58	D40		NSD									
C	59	B44		NSD									
C	60	B24		NSD									
C	61	B4	AQ	4	4	F	1.2	0.2	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	62	C14		NSD									
C	63	C24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-4CH-100304 *Lab/Cor Sample No.:* B4760 S37 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	C42		NSD									
C	65	C22		NSD									
C	66	C2		NSD									
C	67	B12		NSD									
C	68	B32		NSD									
C	69	B42		NSD									
C	70	B40		NSD									
C	71	B20		NSD									
C	72	B10		NSD									
C	73	C10		NSD									
C	74	C30		NSD									
C	75	D41		NSD									
C	76	D21		NSD									
C	77	D1		NSD									
C	78	A11		NSD									
C	79	A31		NSD									
C	80	A41		NSD									
C	81	A13		NSD									
C	82	D3		NSD									
C	83	D23		NSD									
C	84	D33		NSD									
C	85	D43		NSD									
C	86	D42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-5CH-100304 *Lab/Cor Sample No.:* B4760 S38 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	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	B30		NSD									
A	22	B10		NSD									
A	23	C10		NSD									
A	24	C30		NSD									
A	25	C40		NSD									
A	26	A41		NSD									
A	27	A21		NSD									
A	28	A1		NSD									
A	29	D11		NSD									
A	30	D31	ADQ	1		MD1-0	10	5	2.0			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	30	D31	ADQ		1	MF	1.6	0.2	8.0			Mg, Al, Si, Ca, Fe Tremolite	
B	31	B34		NSD									
B	32	B14	AZQ	2	2	F	2	0.22	9.1	5439	718	Mg, Al, Si, Ca, Fe Tremolite Zone Axis [1 0 1] - KM	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-5CH-100304 *Lab/Cor Sample No.:* B4760 S38 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C4		NSD									
B	34	C24		NSD									
B	35	C44		NSD									
B	36	B43		NSD									
B	37	B23		NSD									
B	38	B3		NSD									
B	39	C13		NSD									
B	40	C33		NSD									
B	41	B32		NSD									
B	42	B12	ADQ	3	3	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
B	43	C2		NSD									
B	44	C22		NSD									
B	45	C42		NSD									
B	46	B31		NSD									
B	47	B21		NSD									
B	48	B11		NSD									
B	49	B1		NSD									
B	50	C1		NSD									
B	51	C11		NSD									
B	52	C21		NSD									
B	53	C31		NSD									
B	54	C41		NSD									
B	55	A41		NSD									
B	56	A31		NSD									
B	57	A21		NSD									
B	58	A11		NSD									
B	59	A1		NSD									
B	60	D1		NSD									
B	61	D11		NSD									
B	62	D21		NSD									
B	63	D31		NSD									
B	64	D41		NSD									
C	65	B43		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: RHB-L2-5CH-100304 *Lab/Cor Sample No.:* B4760 S38 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	66	B33		NSD									
C	67	B23		NSD									
C	68	B13		NSD									
C	69	B3		NSD									
C	70	C3		NSD									
C	71	C13		NSD									
C	72	C23		NSD									
C	73	C33		NSD									
C	74	C43		NSD									
C	75	C42		NSD									
C	76	C32		NSD									
C	77	C22		NSD									
C	78	C12		NSD									
C	79	C2		NSD									
C	80	B2		NSD									
C	81	B12	AZQ	4	4	F	4	0.75	5.3	5440	719	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	TAS_AHRA
C	82	B22		NSD									
C	83	B32		NSD									
C	84	B42		NSD									
C	85	B31		NSD									
C	86	B21		NSD									
C	87	B11		NSD									
C	88	B1		NSD									
C	89	C1		NSD									
C	90	C11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-11CH-100204 *Lab/Cor Sample No.:* B4760 S39 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A42		NSD									
A	2	A32		NSD									
A	3	A22		NSD									
A	4	A12		NSD									
A	5	A2	AQ	1		MD1-0	15	15	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	5	A2	AQ		1	MF	2.5	0.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	
A	6	D2		NSD									
A	7	D22		NSD									
A	8	D32		NSD									
A	9	D42		NSD									
A	10	A41		NSD									
A	11	A31		NSD									
A	12	A21	AQ	2		MD1-0	10	7.5	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	A21	AQ		2	MF	6	0.85	7.1			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	13	A11		NSD									
A	14	A1		NSD									
A	15	D1	AQ	3		MD1-0	15	12	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	15	D1	AQ		3	MF	4	0.6	6.7		720	Mg, Al, Si, Ca, Fe Actinolite	
A	16	D11	AQ	4	4	F	5.5	1.5	3.7			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	17	D21		NSD									
A	18	D31		NSD									
A	19	D41		NSD									
A	20	B42		NSD									
A	21	B32	AQ	5	5	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	22	B22		NSD									
A	23	B12		NSD									
A	24	B2		NSD									
A	25	C2		NSD									
A	26	C12		NSD									
A	27	C22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-11CH-100204 *Lab/Cor Sample No.:* B4760 S39 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	28	C32		NSD									
A	29	C42		NSD									
A	30	C43		NSD									
A	31	C33		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	C14		NSD									
B	39	C24		NSD									
B	40	C34		NSD									
B	41	C44		NSD									
B	42	B43		NSD									
B	43	B33		NSD									
B	44	B23		NSD									
B	45	B13	AQ	6	6	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	46	B3		NSD									
B	47	C3		NSD									
B	48	C13		NSD									
B	49	C23		NSD									
B	50	C33		NSD									
B	51	C43		NSD									
B	52	C42		NSD									
B	53	C32		NSD									
B	54	C22	AQ	7		MD1-0	12	7.5	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	54	C22	AQ		7	MF	2.75	0.85	3.2			Actinolite	
B	55	C12		NSD									
B	56	C2	AQ	8	8	F	4.5	0.75	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	57	B2		NSD									
B	58	B12		NSD									

Lab/Cor, Inc.

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-11CH-100204 *Lab/Cor Sample No.:* B4760 S39 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	59	B22		NSD									
B	60	B32		NSD									
B	61	B42		NSD									
B	62	B41		NSD									
C	63	A1	AQ	9		MD1-0	10	6	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	63	A1	AQ		9	MF	4.5	0.5	9.0			Actinolite	
C	64	A2	AQ	10	10	F	1.2	0.25	4.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	64	A2	AQ	11		MD1-1	9	5	1.8			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	64	A2	AQ		11	MF	6.5	0.85	7.6			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	64	A2	AQ	12		MD1-1	10	6	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	64	A2	AQ		12	MF	5	1	5.0			Mg, Al, Si, Ca, Fe Actinolite	
C	65	A3		NSD									
C	66	A4	AQ	13	13	F	4	1.2	3.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	67	D4		NSD									
C	68	A14		NSD									
C	69	A13		NSD									
C	70	A12		NSD									
C	71	A11		NSD									
C	72	A10		NSD									
C	73	A2		NSD									
C	74	A21		NSD									
C	75	A22	AQ	14	14	F	15	4	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	76	A23		NSD									
C	77	A24		NSD									
C	78	A34		NSD									
C	79	A33		NSD									
C	80	A32		NSD									
C	81	A31		NSD									
C	82	A30	CDQ	15	15	F	3	0.01	300	984	721	Mg, Si Chrysotile Verified - KM	TAS_AHRA
C	83	A40	AQ	16		MD	15	3	5.0			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-11CH-100204 *Lab/Cor Sample No.:* B4760 S39 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	83	A40	AQ		16	MF	12	1.3	9.2			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	84	A41	AQ	17	17	F	2.75	0.75	3.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	85	A42		NSD									
C	86	A43	AQ	18	18	F	7	0.75	9.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	86	A43	AZQ	19	19	F	1.2	0.2	6.0	5441	15334	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 2] - KM	TAS_AHRA
C	87	B20		NSD									
C	88	B3		NSD									
C	89	B31		NSD									
C	90	B21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-1CH-100204 *Lab/Cor Sample No.:* B4760 S40 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	B3	AQ	1		MD1-1	14	14	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	14	B3	AQ		1	MF	9	2	4.5			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	15	C3		NSD									
A	16	B13		NSD									
A	17	B23	AQ	2	2	F	14	2.75	5.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	18	B43	AQ	3	3	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	19	B33		NSD									
A	20	B42	AQ	4	4	F	2.75	0.2	14			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	21	B22	AZQ	5		MD	2.5	1.2	2.1			Actinolite	TAS_AHRA
A	21	B22	AZQ		5	MF	2.5	0.2	12	5444	15335	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 3 2] - KM	
A	22	B12		NSD									
A	23	B2		NSD									
A	24	C2		NSD									
A	25	C12		NSD									
A	26	C22		NSD									
A	27	C32	AQ	6	6	F	1.5	0.3	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	27	C32	AQ	7		MD1-0	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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-1CH-100204 *Lab/Cor Sample No.:* B4760 S40 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	27	C32	AQ		7	MF	3.5	0.35	10			Mg, Al, Si, Ca, Fe Actinolite	
A	28	C42		NSD									
A	29	C41		NSD									
A	30	C31		NSD									
A	31	C21		NSD									
A	32	C11		NSD									
A	33	C1		NSD									
B	34	B24		NSD									
B	35	B14		NSD									
B	36	B4		NSD									
B	37	C4		NSD									
B	38	C14		NSD									
B	39	C24		NSD									
B	40	C34	AQ	8	8	F	4.5	0.4	11			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	40	C43	AQ	9		MD1-1	50	25	2.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	40	C43	AQ		9	MF	20	4	5.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5
B	41	C44	AQ	10	10	F	23	2.5	9.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	42	C42		NSD									
B	43	C22		NSD									
B	44	C2		NSD									
B	45	B12		NSD									
B	46	B32		NSD									
B	47	B42		NSD									
B	48	B40		NSD									
B	49	B20		NSD									
B	50	B10		NSD									
B	51	C10		NSD									
B	52	C30		NSD									
B	53	D41		NSD									
B	54	D21		NSD									
B	55	D1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-1CH-100204 *Lab/Cor Sample No.:* B4760 S40 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	56	A11	AQ	11	11	F	5.5	1.3	4.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	57	A31		NSD									
B	58	A41	AQ	12	12	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
B	59	A43		NSD									
B	60	A23	AQ	13	13	F	13.5	2	6.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	60	A23	CDQ	14		MD1-0	4.5	3	1.5			Chrysotile	TAS_AHRA
B	60	A23	CDQ		14	MF	3.8	0.05	76	985	722	Mg, Si Chrysotile Verified - KM	
B	61	A3	CD	15		MD1-1	15	10	1.5			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	61	A3	CD		15	MF	6	0.1	60			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
C	62	A43		NSD									
C	63	A33		NSD									
C	64	A23	AQ	16	16	F	11	0.5	22			Mg, Al, Si, Ca, Fe Actinolite	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	65	A13		NSD									
C	66	A3	AQ	17		MD1-1	9	8	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	66	A3	AQ		17	MF	9	0.6	15			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	67	D3	AQ	18	18	F	7.5	2.4	3.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	68	D13		NSD									
C	69	D23		NSD									
C	70	D33		NSD									
C	71	D43		NSD									
C	72	D41		NSD									
C	73	D21		NSD									
C	74	D1		NSD									
C	75	A11		NSD									
C	76	A31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.
Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-1CH-100204 *Lab/Cor Sample No.:* B4760 S40 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	77	A41		NSD									
C	78	B40		NSD									
C	79	B30	AQ	19	19	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
C	80	B20		NSD									
C	81	B10		NSD									
C	82	C10		NSD									
C	83	C20	AQ	20	20	F	84	2.3	37			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	84	C30		NSD									
C	85	C40		NSD									
C	86	C41		NSD									
C	87	C31		NSD									
C	88	C21		NSD									
C	89	C11		NSD									
C	90	C1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-2CH-100204 *Lab/Cor Sample No.:* B4760 S41 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	A12		NSD									
A	4	B44	AQ	1		MD1-0	7.5	5	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	B44	AQ		1	MF	4	0.45	8.9			Mg, Al, Si, Ca, Fe Actinolite	
A	5	B34		NSD									
A	6	B24	CM	2	2	F	2.5	0.05	50			Mg, Si Chrysotile	TAS_AHRA
A	6	B24	AQ	3	3	F	5	1.2	4.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	7	B14		NSD									
A	8	B4		NSD									
A	9	C4		NSD									
A	10	C14		NSD									
A	11	C24		NSD									
A	12	C34		NSD									
A	13	C44		NSD									
A	14	C43		NSD									
A	15	C23		NSD									
A	16	C33	AQ	4	4	F	5	1.2	4.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	17	C13		NSD									
A	18	C3		NSD									
A	19	B3		NSD									
A	20	B13		NSD									
A	21	B23	AQ	5	5	F	20	5	4.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	22	B33	CDQ	6		MD1-0	15	15	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	22	B33	CDQ		6	MB	2	0.35	5.7	986	723	Mg, Si Chrysotile Verified - KM	
A	23	B43		NSD									
A	24	B42	AQ	7	7	F	15	4	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	25	B32		NSD									
A	26	B22		NSD									
A	27	B12		NSD									
A	28	B2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-2CH-100204 *Lab/Cor Sample No.:* B4760 S41 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	29	C2		NSD									
A	30	C12		NSD									
A	31	C22		NSD									
A	32	C32		NSD									
A	33	C42	CDQ	8	8	F	4.5	0.15	30	987	724	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	33	C42	AQ	9	9	F	4	0.85	4.7	5415	15506	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	TAS_AHRA
B	34	B43	CQ	10	10	F	1.2	0.1	12			Mg, Si Chrysotile	TAS_AHRA
B	35	B33		NSD									
B	36	B23		NSD									
B	37	B13		NSD									
B	38	B3		NSD									
B	39	C3		NSD									
B	40	C13		NSD									
B	41	C23		NSD									
B	42	C33		NSD									
B	43	C43		NSD									
B	44	C42		NSD									
B	45	C32		NSD									
B	46	C22		NSD									
B	47	C12		NSD									
B	48	C2		NSD									
B	49	B2		NSD									
B	50	B12		NSD									
B	51	B22		NSD									
B	52	B32		NSD									
B	53	B42		NSD									
B	54	B41		NSD									
B	55	B31		NSD									
B	56	B21		NSD									
B	57	B11		NSD									
B	58	B1		NSD									
B	59	C1		NSD									
B	60	C11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-2CH-100204 *Lab/Cor Sample No.:* B4760 S41 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	61	C21		NSD									
B	62	C31		NSD									
B	63	C41		NSD									
C	64	B42		NSD									
C	65	B32	AQ	11		MD1-1	15	15	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	65	B32	AQ		11	MF	5.1	1	5.1			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	66	B22	AQ	12	12	F	14	4	3.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	67	B12		NSD									
C	68	B2		NSD									
C	69	C2		NSD									
C	70	C12		NSD									
C	71	C22	AQ	13		MD1-1	20	10	2.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	71	C22	AQ		13	MF	6	1.5	4.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	72	C32		NSD									
C	73	C42		NSD									
C	74	B41		NSD									
C	75	B31		NSD									
C	76	B21		NSD									
C	77	B11		NSD									
C	78	B1		NSD									
C	79	C1		NSD									
C	80	C11		NSD									
C	81	C21	CM	14	14	F	1.5	0.1	15			Chrysotile	TAS_AHRA
C	82	C31		NSD									
C	83	C41		NSD									
C	84	A11		NSD									
C	85	A1		NSD									
C	86	D1		NSD									
C	87	D11		NSD									
C	88	D21		NSD									
C	89	D31		NSD									
C	90	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-3CH-100204 *Lab/Cor Sample No.:* B4760 S42 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	C4		NSD									
A	5	C24		NSD									
A	6	C44		NSD									
A	7	C43		NSD									
A	8	C23		NSD									
A	9	C3		NSD									
A	10	B3	AZQ	1		MD1-1	24	5.25	4.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	10	B3	AZQ		1	MF	22	3	7.3	5411	15306	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 2] - KM	AFB>5, PCMEF-US
A	11	B23		NSD									
A	12	B43		NSD									
A	13	B42	CMQ	2		MD1-0	12.5	9.5	1.3			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	13	B42	CMQ		2	MB	3.4	0.25	14	5443	15307	Mg, Al, Si, Fe Chrysotile No Diffraction	
A	13	B42	OZQ	3		MD1-0	15	11	1.4			Edenite	TOS_AHRA, OS>5_AHRA, OS>10_AHRA
A	13	B42	OZQ		3	MF	4.5	0.6	7.5	5412	15308	Mg, Si, K, Ca, Fe Edenite Zone Axis [4 2 -3] - KM	
A	14	B22		NSD									
A	15	B2		NSD									
A	16	C2		NSD									
A	17	C22		NSD									
A	18	C42		NSD									
A	19	C41	AQ	4	4	F	1.1	0.3	3.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	19	C41	AQ	5		MD1-0	5.25	3.5	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	19	C41	AQ		5	MF	3.5	0.45	7.8			Mg, Al, Si, Ca, Fe Actinolite	
A	20	C21		NSD									
A	21	C1		NSD									
A	22	B1		NSD									
A	23	B21		NSD									
A	24	B41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-3CH-100204 *Lab/Cor Sample No.:* B4760 S42 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	25	A41		NSD									
A	26	A21		NSD									
A	27	A1		NSD									
A	28	D1		NSD									
A	29	D21	ADQ	6		MD1-1	15	7	2.1			Mg, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	29	D21	ADQ		6	MF	8	0.8	10			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	30	D31		NSD									
B	31	B34		NSD									
B	32	B14		NSD									
B	33	C4	ADQ	7	7	F	5.5	0.38	14			Mg, 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	34	C24		NSD									
B	35	C44		NSD									
B	36	B33		NSD									
B	37	B23		NSD									
B	38	B3		NSD									
B	39	C13		NSD									
B	40	C33		NSD									
B	41	B32		NSD									
B	42	B12		NSD									
B	43	C2		NSD									
B	44	C22		NSD									
B	45	C42		NSD									
B	46	B1		NSD									
B	47	C11	CMQ	8		MD1-0	4.5	2.2	2.0			Chrysotile	TAS_AHRA
B	47	C11	CMQ		8	MF	1.5	0.1	15	5442	15309	Mg, Si Chrysotile No Diffraction	
B	48	C21		NSD									
B	49	C31		NSD									
B	50	C41		NSD									
B	51	A31		NSD									
B	52	A11		NSD									
B	53	D1		NSD									

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-3CH-100204 *Lab/Cor Sample No.:* B4760 S42 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	54	D21		NSD									
B	55	D41		NSD									
B	56	A42		NSD									
B	57	A22		NSD									
B	58	A2		NSD									
B	59	D12		NSD									
B	60	D32		NSD									
C	61	B44		NSD									
C	62	B34		NSD									
C	63	B24		NSD									
C	64	B4	ADQ	9	9	F	5.8	0.4	14			Mg, 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	C14		NSD									
C	66	B33		NSD									
C	67	B13		NSD									
C	68	B3		NSD									
C	69	C3		NSD									
C	70	C43		NSD									
C	71	B42		NSD									
C	72	B22		NSD									
C	73	B12	ADQ	10	10	F	4.8	0.8	6.0	1009	15507	Mg, Si, Fe Anthophyllite [8 1 2] Zone - KM	TAS_AHRA
C	74	B2		NSD									
C	75	C2		NSD									
C	76	B41		NSD									
C	77	B31		NSD									
C	78	B21		NSD									
C	79	B11		NSD									
C	80	B1		NSD									
C	81	A41		NSD									
C	82	A21		NSD									
C	83	A1		NSD									
C	84	D11		NSD									

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-3CH-100204 *Lab/Cor Sample No.:* B4760 S42 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	85	D31		NSD									
C	86	A42		NSD									
C	87	A32		NSD									
C	88	A22		NSD									
C	89	A12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-4CH-100204 *Lab/Cor Sample No.:* B4760 S43 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A44		NSD									
A	2	A42	AZQ	1	1	F	10	1.8	5.6	988	725	Na, Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 2 1] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	A4	AQ	2	2	F	3	0.7	4.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
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	A10		NSD									
A	15	D20		NSD									
A	16	D40		NSD									
A	17	C41		NSD									
A	18	C21		NSD									
A	19	B1		NSD									
A	20	B11		NSD									
A	21	B31		NSD									
A	22	B41		NSD									
A	23	B43		NSD									
A	24	B23	AQ	3	3	F	21	7	3.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	25	C3	AQ	4	4	F	2.6	0.8	3.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	26	C12	AQ	5	5	F	12	3	4.0			Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	27	C22		NSD									
A	28	C32		NSD									
A	29	C42		NSD									
A	30	C34		NSD									
B	31	B44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.
Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-4CH-100204 *Lab/Cor Sample No.:* B4760 S43 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	B24		NSD									
B	33	B14		NSD									
B	34	C4		NSD									
B	35	C42		NSD									
B	36	C22		NSD									
B	37	B22		NSD									
B	38	B32		NSD									
B	39	B42		NSD									
B	40	B40		NSD									
B	41	B30		NSD									
B	42	B10		NSD									
B	43	B30		NSD									
B	44	B40		NSD									
B	45	D41	AQ	6	6	F	18	2.5	7.2			Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	46	D21	AQ	7	7	F	6	1.6	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	47	D1		NSD									
B	48	A11		NSD									
B	49	D2		NSD									
B	50	D12		NSD									
B	51	D22		NSD									
B	52	D32		NSD									
B	53	D42	AQ	8	8	F	8	0.7	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	54	D44		NSD									
B	55	D24		NSD									
B	56	D4		NSD									
B	57	A4		NSD									
B	58	C11		NSD									
B	59	C10		NSD									
B	60	D10		NSD									
C	61	A33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-4CH-100204 *Lab/Cor Sample No.:* B4760 S43 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	62	A23	AQ	9	9	F	9	2.4	3.7			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	63	A13		NSD									
C	64	A3		NSD									
C	65	D3		NSD									
C	66	D13		NSD									
C	67	D33		NSD									
C	68	D2		NSD									
C	69	D1		NSD									
C	70	A2		NSD									
C	71	A22		NSD									
C	72	A32		NSD									
C	73	A42		NSD									
C	74	A30		NSD									
C	75	A20		NSD									
C	76	D30		NSD									
C	77	C40		NSD									
C	78	C30		NSD									
C	79	B40		NSD									
C	80	B41		NSD									
C	81	B31		NSD									
C	82	B21		NSD									
C	83	B1		NSD									
C	84	C1		NSD									
C	85	C22		NSD									
C	86	C2	AQ	10	10	F	24	3.5	6.9			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	87	C22		NSD									
C	88	C3		NSD									
C	89	C13		NSD									
C	90	C23		NSD									
C	91	C33	AQ	11	11	F	7.5	1.5	5.0			Mg, Al, Si, Ca, Fe Actinolite Alumino-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 # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-5CH-100204 *Lab/Cor Sample No.:* B4760 S44 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	AZQ	1	1	F	9.5	1.5	6.3	5417	15312	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 4] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	5	B4		NSD									
A	6	B43	CDQ	2	2	F	1.8	0.1	18	5418	15313	Mg, Si, Ca, Fe Chrysotile Verified - KM	TAS_AHRA
A	7	B33	ADQ	3	3	F	3.8	0.7	5.4			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	8	B23		NSD									
A	9	B13		NSD									
A	10	B3		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C2		NSD									
A	15	C12		NSD									
A	16	B41		NSD									
A	17	B21		NSD									
A	18	B1		NSD									
A	19	C11		NSD									
A	20	C31		NSD									
A	21	A11		NSD									
A	22	A1		NSD									
A	23	D1		NSD									
A	24	D11		NSD									
A	25	D21		NSD									
A	26	B40		NSD									
A	27	B30		NSD									
A	28	B20		NSD									
A	29	B10		NSD									
A	30	C10		NSD									
A	31	C20		NSD									
B	32	B44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-5CH-100204 *Lab/Cor Sample No.:* B4760 S44 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	B24		NSD									
B	34	B4		NSD									
B	35	C4		NSD									
B	36	C24	CDQ	4		MD1-1	12	7.75	1.5			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	36	C24	CDQ		4	MB	7	0.4	18	5419	15314	Mg, Si, Fe Chrysotile Verified - KM	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
B	37	C44		NSD									
B	38	C43		NSD									
B	39	C23		NSD									
B	40	C3		NSD									
B	42	B23	AZQ	5		MD1-0	5.25	2.75	1.9			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	42	B23	AZQ		5	MF	4	0.25	16	5420	15315	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 1 0] - KM	
B	41	B3		NSD									
B	43	B43	AQ	6	6	F	1.05	0.25	4.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	44	B42	AQ	7	7	F	5.5	1.25	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	45	B22		NSD									
B	46	B2		NSD									
B	47	C2		NSD									
B	48	C22		NSD									
B	49	C42	AQ	8	8	F	17.75	1.75	10			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	50	C41	AQ	9	9	F	3.75	0.45	8.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	51	C21		NSD									
B	52	C1		NSD									
B	53	B1		NSD									
B	54	B21	CD	10	10	F	0.55	0.05	11			Chrysotile	TAS_AHRA
B	55	B41	AQ	11	11	F	15.5	3.5	4.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	56	B40		NSD									
B	57	B20		NSD									
B	58	C10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-5CH-100204 *Lab/Cor Sample No.:* B4760 S44 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	59	C30	ADQ	12	12	F	3.25	0.75	4.3		15316	Mg, Al, Si, Fe Anthophyllite	TAS_AHRA
B	60	D10		NSD									
B	61	A20		NSD									
B	62	A40	AZQ	13	13	F	2.75	0.6	4.6	5422	15317	Na, Mg, Si, Ca, Fe Winchite Potassianwinchite - Zone Axis [7 -1 2] - KM	TAS_AHRA
C	63	B44		NSD									
C	64	B24		NSD									
C	65	B4		NSD									
C	66	C14		NSD									
C	67	C34		NSD									
C	68	B33		NSD									
C	69	B13		NSD									
C	70	C3		NSD									
C	71	C23		NSD									
C	72	C43		NSD									
C	73	B42		NSD									
C	74	B22		NSD									
C	75	B2	AZQ	14	14	F	6.8	2	3.4	5425	15320	Na, Mg, Al, Si, Fe Anthophyllite Zone Axis [2 1 - 1] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	76	C12		NSD									
C	77	C32		NSD									
C	78	B31		NSD									
C	79	B11		NSD									
C	80	C1		NSD									
C	81	C21		NSD									
C	82	C41		NSD									
C	83	A31		NSD									
C	84	A21		NSD									
C	85	A1		NSD									
C	86	D11		NSD									
C	87	D31		NSD									
C	88	A32		NSD									
C	89	A12		NSD									
C	90	D2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBA-L2-5CH-100204 *Lab/Cor Sample No.:* B4760 S44 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	91	D22		NSD									
C	92	D42		NSD									
C	93	B21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-12CH-100304 *Lab/Cor Sample No.:* B4760 S45 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	52	B41		NSD									
A	1	B24		NSD									
A	2	B4		NSD									
A	3	C14		NSD									
A	4	C24		NSD									
A	5	C34		NSD									
A	6	B33		NSD									
A	7	B13		NSD									
A	8	C3	CMQ	1	1	F	1.8	0.1	18	991	726	Mg, Si Chrysotile	TAS_AHRA
A	9	C23		NSD									
A	10	C43		NSD									
A	11	B32		NSD									
A	12	B22		NSD									
A	13	B2	AZQ	2	2	F	4.5	1	4.5	992	727	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 1 0] - KM	TAS_AHRA
A	14	C12		NSD									
A	15	C32		NSD									
A	16	C42		NSD									
A	17	B31		NSD									
A	18	B11		NSD									
A	19	C1		NSD									
A	20	C21		NSD									
A	21	C41		NSD									
A	22	A31		NSD									
A	23	A11		NSD									
A	24	D1		NSD									
A	25	D21		NSD									
A	26	D41		NSD									
A	27	A42		NSD									
A	28	A22		NSD									
A	29	A2		NSD									
A	30	D12		NSD									
A	31	D32		NSD									
B	32	B44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.
Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-12CH-100304 *Lab/Cor Sample No.:* B4760 S45 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	B24		NSD									
B	34	B4		NSD									
B	35	C14		NSD									
B	36	C34		NSD									
B	37	B43		NSD									
B	38	B33		NSD									
B	39	B23		NSD									
B	40	B13		NSD									
B	41	B3		NSD									
B	42	C3		NSD									
B	43	C13		NSD									
B	44	C23		NSD									
B	45	C33		NSD									
B	46	B42		NSD									
B	47	B22		NSD									
B	48	B2		NSD									
B	49	C12		NSD									
B	50	C22		NSD									
B	51	C32	CDQ	3	3	F	0.8	0.11	7.3	1002	736	Mg, Si Chrysotile Verified - KM	TAS_AHRA
B	53	B31		NSD									
B	54	B21		NSD									
B	55	B1		NSD									
B	56	C11		NSD									
B	57	C31		NSD									
B	58	A41		NSD									
B	59	A31		NSD									
B	60	A21		NSD									
B	61	A11		NSD									
B	62	A10		NSD									
C	63	B4		NSD									
C	64	C4		NSD									
C	65	C14		NSD									
C	66	C24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-12CH-100304 *Lab/Cor Sample No.:* B4760 S45 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	67	C34		NSD									
C	68	B33		NSD									
C	69	B23		NSD									
C	70	B3		NSD									
C	71	C13		NSD									
C	72	C33		NSD									
C	73	A22		NSD									
C	74	A12		NSD									
C	75	A2		NSD									
C	76	D12		NSD									
C	77	D22	CD	4		MD2-0	8	8	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	77	D22	CD		4	MF	2	0.08	25			Chrysotile	
C	77	D22	CD		5	MF	1.2	0.1	12			Chrysotile	
C	78	A21		NSD									
C	79	A1		NSD									
C	80	A30		NSD									
C	81	A20		NSD									
C	82	A10		NSD									
C	83	D10		NSD									
C	84	B30		NSD									
C	85	B20		NSD									
C	86	B10		NSD									
C	87	C10		NSD									
C	88	C20		NSD									
C	89	B11		NSD									
C	90	B1		NSD									
C	91	C1		NSD									
C	92	C11		NSD									
C	93	C21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-1CH-100304 *Lab/Cor Sample No.:* B4760 S46 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B24	AZQ	1	1	F	7.5	1	7.5	1003	728	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	B4		NSD									
A	4	C14	AQ	2	2	F	22	4	5.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	5	C34		NSD									
A	6	B33		NSD									
A	7	B13		NSD									
A	8	C3		NSD									
A	9	C23		NSD									
A	10	C43	AQ	3	3	F	11.5	2	5.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
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	A21		NSD									
A	23	A1		NSD									
A	24	D11	ADQ	4	4	F	23	4.2	5.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	25	D31		NSD									
A	26	A32		NSD									
A	27	A12		NSD									
A	28	D2		NSD									
A	29	D22		NSD									
A	30	D42		NSD									

Lab/Cor, Inc.

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Report # 041172R3

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-1CH-100304 *Lab/Cor Sample No.:* B4760 S46 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	B44		NSD									
B	32	B24		NSD									
B	33	B4		NSD									
B	34	C14		NSD									
B	35	C34		NSD									
B	36	B33		NSD									
B	37	B13		NSD									
B	38	C3		NSD									
B	39	C23		NSD									
B	40	C43		NSD									
B	41	B42		NSD									
B	42	B32		NSD									
B	43	B22		NSD									
B	44	B12		NSD									
B	45	B2		NSD									
B	46	C2		NSD									
B	47	C12		NSD									
B	48	C22		NSD									
B	49	C32		NSD									
B	50	C42		NSD									
B	51	A41		NSD									
B	52	A31		NSD									
B	53	A21		NSD									
B	54	A11		NSD									
B	55	A1		NSD									
B	56	D1		NSD									
B	57	D11		NSD									
B	58	D21		NSD									
B	59	D31		NSD									
B	60	D41		NSD									
B	61	D32		NSD									
B	62	D12		NSD									
B	63	A2		NSD									
C	64	B44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-1CH-100304 *Lab/Cor Sample No.:* B4760 S46 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	65	B24		NSD									
C	66	B4		NSD									
C	67	C14		NSD									
C	68	C34		NSD									
C	69	C44		NSD									
C	70	C43		NSD									
C	71	C33		NSD									
C	72	C23		NSD									
C	73	C13		NSD									
C	74	C3		NSD									
C	75	B3		NSD									
C	76	B13		NSD									
C	77	B23	AQ	5	5	F	5	0.85	5.9			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	78	B33		NSD									
C	79	B22		NSD									
C	80	B12		NSD									
C	81	B2	AQ	6	6	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
C	81	B2	AQ	7		MD1-1	20	20	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	81	B2	AQ		7	MF	20	2	10			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	82	C2		NSD									
C	83	C12		NSD									
C	84	C22		NSD									
C	85	C32		NSD									
C	86	C42		NSD									
C	87	C41		NSD									
C	88	C31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-2CH-100304 *Lab/Cor Sample No.:* B4760 S47 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	C14	AQ	1		MD1-1	11	6	1.8			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	5	C14	AQ		1	MF	11	2.5	4.4		729	Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	6	C24		NSD									
A	7	C34		NSD									
A	8	C44		NSD									
A	9	C23		NSD									
A	10	C13		NSD									
A	11	C3		NSD									
A	12	B13	AZQ	2		MD1-1	10	6	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	B13	AZQ		2	MF	7.5	0.75	10	5445	15336	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 1 0] - KM	AFB>5, PCMEF-US
A	13	B23		NSD									
A	14	B33		NSD									
A	15	B43		NSD									
A	16	B42		NSD									
A	17	B32		NSD									
A	18	B22		NSD									
A	19	B12		NSD									
A	20	B2		NSD									
A	21	C2		NSD									
A	22	C12		NSD									
A	23	C22		NSD									
A	24	C32		NSD									
A	25	C42		NSD									
A	26	C41		NSD									
A	27	C31		NSD									
A	28	C21	AQ	3	3	F	12	1	12			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	29	C11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-2CH-100304 *Lab/Cor Sample No.:* B4760 S47 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	30	C1		NSD									
A	31	B1		NSD									
A	32	B11		NSD									
B	33	B44		NSD									
B	34	B34		NSD									
B	35	B24		NSD									
B	36	B14		NSD									
B	37	B4		NSD									
B	38	C4		NSD									
B	39	C14		NSD									
B	40	C24		NSD									
B	41	C34		NSD									
B	42	C33		NSD									
B	43	C23		NSD									
B	44	C13	AQ	4		MD1-0	7	4	1.8			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	44	C13	AQ		4	MF	2.75	0.85	3.2			Mg, Al, Si, Ca, Fe Actinolite	
B	45	C3		NSD									
B	46	B3		NSD									
B	47	B13		NSD									
B	48	B23		NSD									
B	49	B33		NSD									
B	50	B43		NSD									
B	51	B42		NSD									
B	52	B32		NSD									
B	53	B22		NSD									
B	54	B12		NSD									
B	55	B2		NSD									
B	56	C2		NSD									
B	57	C12		NSD									
B	58	C22		NSD									
B	59	C32		NSD									
B	60	C42		NSD									
C	61	B44		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-2CH-100304 *Lab/Cor Sample No.:* B4760 S47 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	62	B34	CDQ	5	5	F	1	0.1	10	995	731	Mg, Si Chrysotile Verified - KM	TAS_AHRA
C	63	B24		NSD									
C	64	B14		NSD									
C	65	B4		NSD									
C	66	C4		NSD									
C	67	C14		NSD									
C	68	C24		NSD									
C	69	C34		NSD									
C	70	C43		NSD									
C	71	C33		NSD									
C	72	C23	AQ	6	6	F	5	1.2	4.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	73	C13	AQ	7		MD1-1	20	7.5	2.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	73	C13	AQ		7	MF	16	2.5	6.4			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	74	C3		NSD									
C	75	B3		NSD									
C	76	B13		NSD									
C	77	B23	AQ	8		MD1-1	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	77	B23	AQ		8	MF	13	1.3	10			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	78	B33		NSD									
C	79	B43		NSD									
C	80	B42		NSD									
C	81	B32		NSD									
C	82	B22		NSD									
C	83	B12	AZQ	9		MD1-1	11	7.5	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	83	B12	AZQ		9	MF	11	0.75	15	5424	15319	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 -1 2] - KM	AFB>5, PCMEF-US
C	84	B2	CMQ	10	10	F	1.5	0.1	15			Mg, Si Chrysotile	TAS_AHRA
C	85	B1		NSD									
C	86	B11		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-3CH-100304 *Lab/Cor Sample No.:* B4760 S48 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	AZQ	1		MD1-1	9.5	4	2.4			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B44	AZQ		1	MF	9	1.3	6.9	5426	15321	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 -1 2] - KM	AFB>5, PCMEF-US
A	2	B24		NSD									
A	3	B4		NSD									
A	4	C14		NSD									
A	5	C44		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	ADQ	2	2	F	7.8	2.5	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	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	A21		NSD									
A	24	A11		NSD									
A	25	A1		NSD									
A	26	D1		NSD									
A	27	A40		NSD									
A	28	A30		NSD									
A	29	A10		NSD									
B	30	B42		NSD									
B	31	B22		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-3CH-100304 *Lab/Cor Sample No.:* B4760 S48 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	B12		NSD									
B	33	B2		NSD									
B	34	C2		NSD									
B	35	C12		NSD									
B	36	B21		NSD									
B	37	B11		NSD									
B	38	B1		NSD									
B	39	C1		NSD									
B	40	C11		NSD									
B	41	C21		NSD									
B	42	C10		NSD									
B	43	B20		NSD									
B	44	B10		NSD									
B	45	A30		NSD									
B	46	D30	AZQ	3	3	F	7.5	0.6	12	5428	15323	Mg, Al, Si, Ca, Fe Tremolite Zone Axis [5 1 6] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	47	D40		NSD									
B	48	A31		NSD									
B	49	A21		NSD									
B	50	A11		NSD									
B	51	A1		NSD									
B	52	D11		NSD									
B	53	D21		NSD									
B	54	A12		NSD									
B	55	D2		NSD									
B	56	D12	ADQ	4	4	F	2.8	0.45	6.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	57	D22		NSD									
C	58	A33	AZQ	5	5	F	15	1.6	9.4	1007	738	Mg, Al, Si, Ca, Fe Tremolite Zone Axis [5 1 4] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	59	A13		NSD									
C	60	D3		NSD									
C	61	D23		NSD									
C	62	D43		NSD									
C	63	D41		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-3CH-100304 *Lab/Cor Sample No.:* B4760 S48 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	D21		NSD									
C	65	D1		NSD									
C	66	A11		NSD									
C	67	A31		NSD									
C	68	A41		NSD									
C	69	B20		NSD									
C	70	B10		NSD									
C	71	C10		NSD									
C	72	C30		NSD									
C	73	C40		NSD									
C	74	C42		NSD									
C	75	C22		NSD									
C	76	C2		NSD									
C	77	B12		NSD									
C	78	B22		NSD									
C	79	B42		NSD									
C	80	B43		NSD									
C	81	B23		NSD									
C	82	B3	AQ	6	6	F	3.5	0.7	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	83	C13		NSD									
C	84	C33		NSD									
C	85	C34		NSD									
C	86	C44		NSD									
C	87	C24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-4CH-100304 *Lab/Cor Sample No.:* B4760 S49 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	AZQ	1	1	F	15	2.5	6.0	1004	15323	Mg, Al, Si, Ca, Fe Tremolite Zone Axis [1 0 1] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	12	B22		NSD									
A	13	B2	CDQ	2		MD1-0	4.5	3	1.5			Chrysotile	TAS_AHRA
A	13	B2	CDQ		2	MF	1	0.08	12	5429	15324	Mg, Si Chrysotile Verified - KM	
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	A21		NSD									
A	23	A1		NSD									
A	24	D11		NSD									
A	25	D31		NSD									
A	26	A32		NSD									
A	27	D22	AZQ	3		MD1-0	4.7	1	4.7			Actinolite	TAS_AHRA
A	27	D22	AZQ		3	MF	4.7	0.6	7.8	1008	15325	Mg, Al, Si, Ca, Fe Actinolite [1 0 1] Zone - KM	
A	28	A12		NSD									
A	29	D2		NSD									
A	30	A10		NSD									

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A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-4CH-100304 *Lab/Cor Sample No.:* B4760 S49 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	B34		NSD									
B	32	B14		NSD									
B	33	C4		NSD									
B	34	C24		NSD									
B	35	C44		NSD									
B	36	B43		NSD									
B	37	B13		NSD									
B	38	C3		NSD									
B	39	C43	CMQ	4		MD1-0	9	5	1.8			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	39	C43	CMQ		4	MF	1	0.12	8.3			Mg, Si Chrysotile	
B	40	C23		NSD									
B	41	B42		NSD									
B	42	B22		NSD									
B	43	B2		NSD									
B	44	C12		NSD									
B	45	C32		NSD									
B	46	B41		NSD									
B	47	B21		NSD									
B	48	B1		NSD									
B	49	C11		NSD									
B	50	C21		NSD									
B	51	A41		NSD									
B	52	A21		NSD									
B	53	A1		NSD									
B	54	D11		NSD									
B	55	D21		NSD									
B	56	B40		NSD									
B	57	B20		NSD									
B	58	A30	ADQ	5	5	F	3.8	0.4	9.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	59	A20		NSD									
B	60	A10	ADQ	6	6	F	5.5	0.6	9.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

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Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-5CH-100304 *Lab/Cor Sample No.:* B4760 S50 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	AZQ	1	1	F	15	2	7.5	997	732	Na, Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 2 2] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
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	B43		NSD									
A	26	B23		NSD									
A	27	B3		NSD									
A	28	C13		NSD									
A	29	C33		NSD									
B	30	B14		NSD									
B	31	C4		NSD									
B	32	C34	CDQ	2	2	F	1.3	0.05	26	998	733	Mg, Si Chrysotile Verified - KM	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-5CH-100304 *Lab/Cor Sample No.:* B4760 S50 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C44		NSD									
B	34	C42		NSD									
B	35	C22		NSD									
B	36	C2		NSD									
B	37	B12		NSD									
B	38	B33		NSD									
B	39	B40		NSD									
B	40	B20		NSD									
B	41	B10		NSD									
B	42	C10	ADQ	3	3	F	3.9	0.2	20			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	43	C30		NSD									
B	44	C40		NSD									
B	45	D41		NSD									
B	46	D21		NSD									
B	47	D1		NSD									
B	48	A11		NSD									
B	49	A31		NSD									
B	50	A41		NSD									
B	51	A43	AQ	4	4	F	25	4	6.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	52	A23		NSD									
B	53	A3		NSD									
B	54	D13		NSD									
B	55	D33		NSD									
B	56	D34		NSD									
B	57	D14		NSD									
B	58	A4		NSD									
C	59	A43		NSD									
C	60	A23		NSD									
C	61	A3		NSD									
C	62	D13		NSD									
C	63	D33		NSD									
C	64	D43		NSD									
C	65	D41		NSD									

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Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVBB-L2-5CH-100304 *Lab/Cor Sample No.:* B4760 S50 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	66	D21		NSD									
C	67	D1		NSD									
C	68	A11		NSD									
C	69	A31		NSD									
C	70	A41		NSD									
C	71	B20		NSD									
C	72	B10		NSD									
C	73	C10		NSD									
C	74	C30		NSD									
C	75	C40		NSD									
C	76	C42		NSD									
C	77	C12		NSD									
C	78	C2		NSD									
C	79	B2		NSD									
C	80	B22		NSD									
C	81	B32		NSD									
C	82	B42		NSD									
C	83	B33		NSD									
C	84	B13		NSD									
C	85	C3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVM-H2-1FD-100204 *Lab/Cor Sample No.:* B4760 S51 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B41		NSD									
A	2	B31		NSD									
A	3	B21		NSD									
A	4	B11		NSD									
A	5	B1		NSD									
A	6	C11		NSD									
A	7	C31	CMQ	1	1	B	16	0.5	32	999	734	Mg, Si Chrysotile No Diffraction	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	C42		NSD									
A	9	C22		NSD									
A	10	C2	CMQ	2	2	B	2.5	0.4	6.2			Mg, Si Chrysotile	TAS_AHRA
A	11	B12		NSD									
B	12	A41		NSD									
B	13	A21		NSD									
B	14	A11		NSD									
B	15	D1		NSD									
B	16	D11		NSD									
B	17	D31		NSD									
B	18	D42		NSD									
B	19	D22		NSD									
B	20	D2		NSD									
B	21	A12		NSD									
B	22	A32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVM-H2-2FD-100204 *Lab/Cor Sample No.:* B4760 S52 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B24		NSD									
A	3	B14		NSD									
A	4	C4		NSD									
A	5	C14		NSD									
A	6	C34		NSD									
A	7	C43		NSD									
A	8	C33		NSD									
A	9	C13		NSD									
A	10	C3		NSD									
A	11	B13		NSD									
A	12	B23		NSD									
A	13	A41		NSD									
A	14	A21		NSD									
B	15	B44		NSD									
B	16	B34		NSD									
B	17	B24		NSD									
B	18	C4		NSD									
B	19	C14		NSD									
B	20	C24		NSD									
B	21	C34	CDQ	1	1	B	10	2	5.0	1010	15331	Mg, Si Chrysotile Verified - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	22	C44		NSD									
B	23	C23	AZQ	2	2	F	10	2	5.0	5435	15330	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 3 2] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	23	C23	AQ	3	3	F	5	0.85	5.9			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041172R3

Client: Ecology and Environment, Inc.

Project Name: Site# 0440.01CP, 0440.01CP-0001- FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SVM-H2-3FD-100204 *Lab/Cor Sample No.:* B4760 S53 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B24		NSD									
A	3	B14		NSD									
A	4	B4		NSD									
A	5	C4		NSD									
A	6	C14		NSD									
A	7	C34		NSD									
A	8	B12		NSD									
A	9	C32		NSD									
A	10	B41		NSD									
A	11	B31		NSD									
A	12	B1		NSD									
B	13	B41		NSD									
B	14	B31		NSD									
B	15	B21		NSD									
B	16	B11		NSD									
B	17	B1		NSD									
B	18	C11		NSD									
B	19	C31		NSD									
B	20	C42		NSD									
B	21	C33	AZQ	1	1	F	11	1.5	7.3	5437	15333	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 -1 2] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	22	C23		NSD									

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

QC Summary Sheet

Project: El Dorado - Priority 1 and 2 samples
LC Job No.: 041172, 041174, 041188, 041191, 041210
Total Samples: 227
Total QC Samples: 57
Average GO Area: 0.01449

QC Type	Tally
Replicate - Same GO's	12
Replicate - Reprep	10
Duplicate - Same GO's	11
Duplicate - Different Grids	12
Duplicate - Reprep	12
Total	57

Original Analyst	Original LC Number	Original Client Number	Reference LC Num	QC Analyst	QC Type	Primary Structures: Original Counts Total	Original Counts No. GO's	Test Counts Total	Test Counts No. GO's	95% Poisson Confidence Limits: Lower Total	Upper Total	QC Result
JH	041172-32	RHB-H2-2FD-100304	041176-01	JH	Replicate - Same GO's	6	22	6	22	2.00	13.00	PASS
	041172-32	RHB-H2-2FD-100304	041176-02		GRIDS BLOWN OUT							
JH	041172-32	RHB-H2-2FD-100304	041176-03	DW	Duplicate - Different Grids	6	22	4	22	2.00	13.00	PASS
KM	041172-33	RHB-H2-3FD-100304	041176-04	KM	Replicate - Same GO's	2	23	3	22	0.20	7.00	PASS
KM	041172-33	RHB-H2-3FD-100304	041176-05	JH	Duplicate - Reprep	2	23	1	23	0.20	7.00	PASS
DW	041172-51	SVM-H2-1FD-100204	041176-06	KM	Duplicate - Different Grids	2	22	2	22	0.20	7.00	PASS
DW	041172-52	SVM-H2-2FD-100204	041176-07	DW	Replicate - Reprep	3	23	2	24	0.60	9.00	PASS
DW	041172-52	SVM-H2-2FD-100204	041176-08	KM	Duplicate - Same GO's	3	23	3	22	2.85	3.15	PASS
DW	041172-52	SVM-H2-2FD-100204	041176-09	KM	Duplicate - Different Grids	3	23	3	22	2.85	3.15	PASS
TM	041172-54	CC2-H8-1CT-100304	041176-10	TM	Replicate - Same GO's	12	18	16	18	6.00	21.00	PASS
TM	041172-54	CC2-H8-1CT-100304	041176-11	KM	Duplicate - Same GO's	12	18	13	18	6.00	21.00	PASS
TM	041172-54	CC2-H8-1CT-100304	041176-12	DW	Duplicate - Reprep	12	18	17	18	6.00	21.00	PASS
KM	041174-02	SRA-R01-100204	041176-13	KM	Replicate - Same GO's	13	14	13	13	7.00	22.00	PASS
KM	041174-02	SRA-R01-100204	041176-14	JH	Duplicate - Reprep	13	14	13	14	7.00	22.00	PASS
JH	041174-10	SRA-R04-100104	041176-15	JH	Replicate - Reprep	13	19	10	19	7.00	22.00	PASS
JH	041174-10	SRA-R04-100104	041176-16	KM	Duplicate - Same GO's	13	19	11	18	7.00	22.00	PASS
KM	041188-01	CC2-H6-1CP-100504	041176-17	KM	Replicate - Same GO's	13	12	14	12	7.00	22.00	PASS
KM	041174-02	SRA-R01-100204	041176-18	JH	Duplicate - Reprep	13	14	11	14	7.00	22.00	PASS
DW	041188-04	CC2-L6-1CA-100504	041176-19	KM	Duplicate - Same GO's	23	29	29	29	15.00	35.00	PASS
KM	041188-10	CC5-L6-1CA-100604	041176-20	KM	Replicate - Reprep	24	30	15	29	15.00	36.00	PASS
KM	041188-10	CC5-L6-1CA-100604	041176-21	DW	Duplicate - Different Grids	24	30	17	30	15.00	36.00	PASS
JH	041210-41	NRA-R04-101104	041176-22	JH	Replicate - Reprep	12	17	15	17	6.00	21.00	PASS
DW	041188-36	SFBC-H2-1FD-100604	041176-23	KM	Duplicate - Same GO's	32	22	25	22	22.00	45.00	PASS
KM	041191-02	CC6-H6-2CP-100704	041176-24	KM	Replicate - Same GO's	2	11	2	11	0.20	7.00	PASS
KM	041191-03	CC6-L6-1CA-100704	041176-25	KM	Replicate - Same GO's	6	30	6	28	2.00	13.00	PASS
JH	041191-10	CPS-H2-4FD-100704	041176-26	TM	Duplicate - Reprep	7	23	9	29	3.00	14.00	PASS
JH	041191-10	CPS-H2-4FD-100704	041176-27	JH	Replicate - Reprep	7	23	4	23	3.00	14.00	PASS
JH	041191-10	CPS-H2-4FD-100704	041176-28	KM	Duplicate - Same GO's	7	23	6	22	3.00	14.00	PASS
TM	041191-41	JEB-H1-6FD-101004	041176-29	TM	Duplicate - Different Grids	10	22	9	23	5.00	18.00	PASS
TM	041191-41	JEB-H1-6FD-101004	041176-30	KM	Duplicate - Reprep	10	22	6	22	5.00	18.00	PASS
KM	041191-03	CC6-L6-1CA-100704	041176-31	JH	Duplicate - Reprep	6	30	8	30	2.00	13.00	PASS
JH	041191-66	CPS-H2-1PG-100704	041176-32	KM	Duplicate - Same GO's	3	22	3	22	0.60	9.00	PASS
JH	041191-67	CPS-H2-1PG-100704	041176-33	JH	Replicate - Same GO's	5	23	3	23	2.00	12.00	PASS
JH	041191-67	CPS-H2-1PG-100704	041176-34	TM	Duplicate - Reprep	5	23	6	23	2.00	12.00	PASS
TM	041191-81	JOGB-H2-5TR-100704	041176-35	KM	Duplicate - Different Grids	6	23	8	23	2.00	13.00	PASS
TM	041191-81	JOGB-H2-5TR-100704	041176-36	KM	Duplicate - Same GO's	6	23	5	23	2.00	13.00	PASS
DW	041210-04	SRA-RO4-100404	041176-37	KM	Duplicate - Different Grids	10	18	5	18	5.00	18.00	PASS
TM	041210-06	SRA-R103-100504	041176-38	DW	Duplicate - Different Grids	9	15	6	15	4.00	17.00	PASS
TM	041210-06	SRA-R103-100504	041176-39	KM	Duplicate - Different Grids	9	15	7	15	4.00	17.00	PASS
DW	041210-07	SRA-R04-100504	041176-40	DW	Replicate - Reprep	10	14	11	14	5.00	18.00	PASS
DW	041210-07	SRA-R04-100504	041176-41	KM	Duplicate - Reprep	10	14	5	14	5.00	18.00	PASS
JH	041210-13	SRA-R102-100604	041176-42	DW	Duplicate - Reprep	10	14	18	14	5.00	18.00	PASS
JH	041210-13	SRA-R102-100604	041176-43	JH	Replicate - Reprep	10	14	10	13	5.00	18.00	PASS
JH	041210-15	SRA-R05-100604	041176-44	JH	Replicate - Same GO's	11	15	14	15	5.50	20.00	PASS
JH	041210-15	SRA-R05-100604	041176-45	DW	Duplicate - Same GO's	11	15	19	15	5.50	20.00	PASS
DW	041210-17	SRA-R02-100604	041176-46	DW	Replicate - Same GO's	10	14	15	14	5.00	18.00	PASS
DW	041210-17	SRA-R02-100604	041176-47	JH	Duplicate - Same GO's	10	14	15	14	5.00	18.00	PASS
TM	041210-21	SRA-R02-100704	041176-48	JH	Duplicate - Different Grids	14	14	8	13	8.00	23.50	PASS
DW	041210-26	SRA-R02-100804	041176-49	DW	Replicate - Reprep	10	14	10	14	5.00	18.00	PASS
DW	041210-26	SRA-R02-100804	041176-50	KM	Duplicate - Reprep	10	14	7	14	5.00	18.00	PASS
JH	041210-40	NRA-R03-101104	041176-51	JH	Replicate - Same GO's	21	16	21	16	13.00	32.00	PASS
JH	041210-40	NRA-R03-101104	041176-52	KM	Duplicate - Different Grids	21	16	14	16	13.00	32.00	PASS
JH	041210-41	NRA-R04-101104	041176-53	JH	Replicate - Reprep	12	17	11	17	6.00	21.00	PASS
JH	041210-41	NRA-R04-101104	041176-54	DW	Duplicate - Reprep	12	17	11	17	6.00	21.00	PASS
	041210-41	NRA-R04-101104	041176-55		GRIDS BLOWN OUT							
JH	041210-44	NRA-R02-101104	041176-56	JH	Replicate - Same GO's	12	17	7	17	4.00	17.00	PASS
JH	041210-44	NRA-R02-101104	041176-57	KM	Duplicate - Same GO's	9	17	9	17	4.00	17.00	PASS
JH	041210-44	NRA-R02-101104	041176-58	DW	Duplicate - Different Grids	9	17	11	17	4.00	17.00	PASS
TM	041191-41	JEB-H1-6FD-101004	041176-59	TM	Replicate - Reprep	10	22	5	22	5.00	18.00	PASS

QC Parameters
Pass - Test value (s/mm2) between reference upper and lower 95% confidence limits, inclusive
Fail - Test value (s/mm2) outside reference upper and lower 95% confidence limits, exclusive

B4760

041172 1 of 5

CHAIN OF CUSTODY RECORD

No: 0440.01CP-0001

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name:

Lab:

Contact Phone:

Lab Phone:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
-01	APG-L2-13CH-100404	ISO 10312	Air	10/4/2004	16:00	1	300.96	Liters	1
-02	APG-L2-1CH-100404	ISO 10312	Air	10/4/2004	16:00	1	296.04	Liters	1
-03	APG-L2-1ZB-100404	ISO 10312	Air	10/4/2004	16:00	1	299.76	Liters	1
-04	APG-L2-2CH-100404	ISO 10312	Air	10/4/2004	16:00	1	289.2	Liters	1
-05	APG-L2-3CH-100404	ISO 10312	Air	10/4/2004	16:00	1	295.56	Liters	1
-06	APG-L2-4CH-100404	ISO 10312	Air	10/4/2004	16:00	1	299.4	Liters	1
-07	APG-L2-5CH-100404	ISO 10312	Air	10/4/2004	16:00	1	290.64	Liters	1
-08	CC1-L6-1CA-100204	ISO 10312	Air	10/2/2004	18:24	1	569.77	Liters	1
-09	CC1-L6-1CB-100204	ISO 10312	Air	10/2/2004	18:24	1	607.18	Liters	1
-10	CC1-L6-2CB-100204	ISO 10312	Air	10/2/2004	18:24	1	597.98	Liters	1
-11	CC1-L6-3CB-100204	ISO 10312	Air	10/2/2004	18:24	1	608.15	Liters	1
-12	CC2A-L6-1CA-100304	ISO 10312	Air	10/3/2004	19:05	1	269.72	Liters	1
-54	CC2-H8-1CT-100304	ISO 10312	Air	10/3/2004	18:17	1	5013.54	Liters	
-55	CC2-H8-2CT-100304	ISO 10312	Air	10/3/2004	18:12	1	3647.28	Liters	
-56	CC2-H8-3CT-100304	ISO 10312	Air	10/3/2004	18:35	1	4690	Liters	
-57	CC2-H8-4CT-100304	ISO 10312	Air	10/3/2004	18:47	1	4366.96	Liters	
-58	CC2-H8-5CT-100304	ISO 10312	Air	10/3/2004	17:52	1	3479.53	Liters	
-13	CC2-L6-11CC-100304	ISO 10312	Air	10/3/2004	19:05	1	530.45	Liters	1
-14	CC2-L6-1CC-100304	ISO 10312	Air	10/3/2004	19:05	1	533.62	Liters	1
-15	CC2-L6-2CC-100304	ISO 10312	Air	10/3/2004	19:05	1	523	Liters	1

Comments: ISO 10312 PER STATEMENT OF WORK, STANDARD TURN AROUND TIME

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
SAMPLE SET #1

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	M Melo	10/6/04	FED-X B/L# 829691975701	10/6/04	1845						
			D Jones	10/7/04	9:45						

B4760

041172 2 of 5

CHAIN OF CUSTODY RECORD

No: 0440.01CP-0001

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name:

Lab:

Contact Phone:

Lab Phone:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
-16	CC2-L6-3CC-100304	ISO 10312	Air	10/3/2004	19:05	1	520.12	Liters	1
-17	CC2-L6-4CC-100304	ISO 10312	Air	10/3/2004	1905	1	542.69	Liters	1
-31	RHB-H2-1FD-100304	ISO 10312	Air	10/3/2004	19:07	1	1186.08	Liters	2
-32	RHB-H2-2FD-100304	ISO 10312	Air	10/3/2004	19:07	1	1220	Liters	2
-33	RHB-H2-3FD-100304	ISO 10312	Air	10/3/2004	19:07	1	1140.7	Liters	2
-59	RHB-H2-4FD-100304	ISO 10312	Air	10/3/2004	19:05	1	1207.2	Liters	
-60	RHB-H2-5FD-100304	ISO 10312	Air	10/3/2004	19:05	1	1083.32	Liters	
-61	RHB-L2-14CH-100304	ISO 10312	Air	10/3/2004	19:05	1	301.32	Liters	
-34	RHB-L2-1CH-100304	ISO 10312	Air	10/3/2004	19:05	1	309.12	Liters	2
-62	RHB-L2-1NA-100304	ISO 10312	Air	10/3/2004	19:05	1	318.6	Liters	
-63	RHB-L2-1ZB-100304	ISO 10312	Air	10/3/2004	19:05	1	326.4	Liters	
-35	RHB-L2-2CH-100304	ISO 10312	Air	10/3/2004	19:05	1	293.4	Liters	2
-36	RHB-L2-3CH-100304	ISO 10312	Air	10/3/2004	19:05	1	306.48	Liters	2
-37	RHB-L2-4CH-100304	ISO 10312	Air	10/3/2004	19:05	1	312.48	Liters	2
-38	RHB-L2-5CH-100304	ISO 10312	Air	10/3/2004	19:05	1	295.56	Liters	2
-64	RHB-L2-FB-100304	ISO 10312	Air	10/3/2004		1			Filter Blank
-65	RHS-H2-1FD-100304	ISO 10312	Air	10/3/2004	16:21	1	455.68	Liters	
-66	RHS-H2-2FD-100304	ISO 10312	Air	10/3/2004	16:22	1	472.81	Liters	
-67	RHS-H2-3FD-100304	ISO 10312	Air	10/3/2004	16:23	1	480.95	Liters	
-68	RHS-H2-4FD-100304	ISO 10312	Air	10/3/2004	16:21	1	931.5	Liters	

Comments: ISO 10312 PER STATEMENT OF WORK, STANDARD TURN AROUND TIME

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]	10/6/04	FED-X	10/6/04	1845						
			D Jones	10/7/04	9:45						

B4760

041172 3 of 5

CHAIN OF CUSTODY RECORD

No: 0440.01CP-0001

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name:

Lab:

Contact Phone:

Lab Phone:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
-69	RHS-H2-5FD-100304	ISO 10312	Air	10/3/2004	16:21	1	935.53	Liters	
-70	RHS-L2-14CH-100304	ISO 10312	Air	10/3/2004	16:18	1	223.65	Liters	
-71	RHS-L2-1CH-100304	ISO 10312	Air	10/3/2004	16:18	1	221.94	Liters	
-72	RHS-L2-1NA-100304	ISO 10312	Air	10/3/2004	16:18	1	223.83	Liters	
-73	RHS-L2-2CH-100304	ISO 10312	Air	10/3/2004	16:18	1	232.47	Liters	
-74	RHS-L2-3CH-100304	ISO 10312	Air	10/3/2004	16:18	1	229.32	Liters	
-75	RHS-L2-4CH-100304	ISO 10312	Air	10/3/2004	16:18	1	228.06	Liters	
-76	RHS-L2-5CH-100304	ISO 10312	Air	10/3/2004	16:18	1	233.06	Liters	
-18	SVBA-H2-1FD-100204	ISO 10312	Air	10/2/2004	1826	1	556.69	Liters	1
-19	SVBA-H2-2FD-100204	ISO 10312	Air	10/2/2004	18:25	1	531.47	Liters	1
-20	SVBA-H2-3FD-100204	ISO 10312	Air	10/2/2004	18:25	1	562.41	Liters	1
-77	SVBA-H2-4FD-100204	ISO 10312	Air	10/2/2004	18:24	1	1195.08	Liters	
-78	SVBA-H2-5FD-100204	ISO 10312	Air	10/2/2004	18:24	1	1198.92	Liters	
-39	SVBA-L2-11CH-100204	ISO 10312	Air	10/2/2004	1824	1	296.24	Liters	2
-40	SVBA-L2-1CH-100204	ISO 10312	Air	10/2/2004	18:24	1	292.44	Liters	2
-79	SVBA-L2-1NA-100204	ISO 10312	Air	10/2/2004	18:24	1	293.4	Liters	
-80	SVBA-L2-1ZB-100204	ISO 10312	Air	10/2/2004	19:07	1	301.32	Liters	
-41	SVBA-L2-2CH-100204	ISO 10312	Air	10/2/2004	18:24	1	297.72	Liters	2
-42	SVBA-L2-3CH-100204	ISO 10312	Air	10/2/2004	18:24	1	299.52	Liters	2
-43	SVBA-L2-4CH-100204	ISO 10312	Air	10/2/2004	18:24	1	293.28	Liters	2

Comments: ISO 10312 PER STATEMENT OF WORK, STANDARD TURN AROUND TIME

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	10/6/04	FED-X	10/6/04	1845						
			D Jones	10/7/04	9:45						

B4760

041172 4 of 5

CHAIN OF CUSTODY RECORD

No: 0440.01CP-0001

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name:

Lab:

Contact Phone:

Lab Phone:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
-44	SVBA-L2-5CH-100204	ISO 10312	Air	10/2/2004	18:24	1	291.12	Liters	2
-81	SVBB-H2-12FD-100304	ISO 10312	Air	10/3/2004	12:10	1	557.15	Liters	
-21	SVBB-H2-1FD-100304	ISO 10312	Air	10/3/2004	12:09	1	611.75	Liters	1
-22	SVBB-H2-2FD-100304	ISO 10312	Air	10/3/2004	12:10	1	563.3	Liters	1
-23	SVBB-H2-3FD-100304	ISO 10312	Air	10/3/2004	12:08	1	580.91	Liters	1
-82	SVBB-H2-4FD-100304	ISO 10312	Air	10/3/2004	12:05	1	1205.89	Liters	
-83	SVBB-H2-5FD-100304	ISO 10312	Air	10/3/2004	12:05	1	1210	Liters	
-45	SVBB-L2-12CH-100304	ISO 10312	Air	10/3/2004	12:05	1	288.75	Liters	2
-46	SVBB-L2-1CH-100304	ISO 10312	Air	10/3/2004	12:06	1	302.56	Liters	2
-84	SVBB-L2-1NA-100304	ISO 10312	Air	10/3/2004	12:06	1	306.71	Liters	
-85	SVBB-L2-1ZB-100304	ISO 10312	Air	10/3/2004	12:06	1	302.56	Liters	
-47	SVBB-L2-2CH-100304	ISO 10312	Air	10/3/2004	12:05	1	309.16	Liters	2
-48	SVBB-L2-3CH-100304	ISO 10312	Air	10/3/2004	12:05	1	312.66	Liters	2
-49	SVBB-L2-4CH-100304	ISO 10312	Air	10/3/2004	12:05	1	299.35	Liters	2
-50	SVBB-L2-5CH-100304	ISO 10312	Air	10/3/2004	12:05	1	313.51	Liters	2
-51	SVM-H2-1FD-100204	ISO 10312	Air	10/2/2004	13:16	1	1209.75	Liters	2
-52	SVM-H2-2FD-100204	ISO 10312	Air	10/2/2004	13:16	1	1192.92	Liters	2
-53	SVM-H2-3FD-100204	ISO 10312	Air	10/2/2004	13:16	1	1215.12	Liters	2
-86	SVM-H2-4FD-100204	ISO 10312	Air	10/2/2004	13:15	1	1194.88	Liters	
-87	SVM-H2-5FD-100204	ISO 10312	Air	10/2/2004	13:16	1	1194.26	Liters	

Comments: ISO 10312 PER STATEMENT OF WORK, STANDARD TURN AROUND TIME

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	10/6/04	FED-X	10/6/04	1845						
			D Jones	10/7/04	9:45						

134760

041172 5 of 5

CHAIN OF CUSTODY RECORD

No: 0440.01CP-0001

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name:

Lab:

Contact Phone:

Lab Phone:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
-88	SVM-L2-15AD-100204	ISO 10312	Air	10/2/2004	13:16	1	304.76	Liters	
-89	SVM-L2-1AD-100204	ISO 10312	Air	10/2/2004	13:16	1	305.61	Liters	
-90	SVM-L2-2AD-100204	ISO 10312	Air	10/2/2004	13:16	1	306.83	Liters	
-91	SVM-L2-3AD-100204	ISO 10312	Air	10/2/2004	13:16	1	305.98	Liters	
-92	SVM-L2-4AD-100204	ISO 10312	Air	10/2/2004	13:16	1	307.93	Liters	
-93	SVM-L2-5AD-100204	ISO 10312	Air	10/2/2004	13:16	1	306.46	Liters	
-94	SVM-L2-6AD-100204	ISO 10312	Air	10/2/2004	13:16	1	311.83	Liters	
-24	TPG-L2-11CH-100404	ISO 10312	Air	10/4/2004	11:15	1	288.72	Liters	1
-25	TPG-L2-1CH-100404	ISO 10312	Air	10/4/2004	11:15	1	291.6	Liters	1
-26	TPG-L2-1ZB-100404	ISO 10312	Air	10/4/2004	16:00	1	303.6	Liters	1
-27	TPG-L2-2CH-100404	ISO 10312	Air	10/4/2004	11:15	1	290.4	Liters	1
-28	TPG-L2-3CH-100404	ISO 10312	Air	10/4/2004	11:15	1	299.16	Liters	1
-29	TPG-L2-4CH-100404	ISO 10312	Air	10/4/2004	11:15	1	290	Liters	1
-30	TPG-L2-5CH-100404	ISO 10312	Air	10/4/2004	11:15	1	288.84	Liters	1
-95	TPG-L2-FB-100404	ISO 10312	Air	10/4/2004		1			Filter Blank

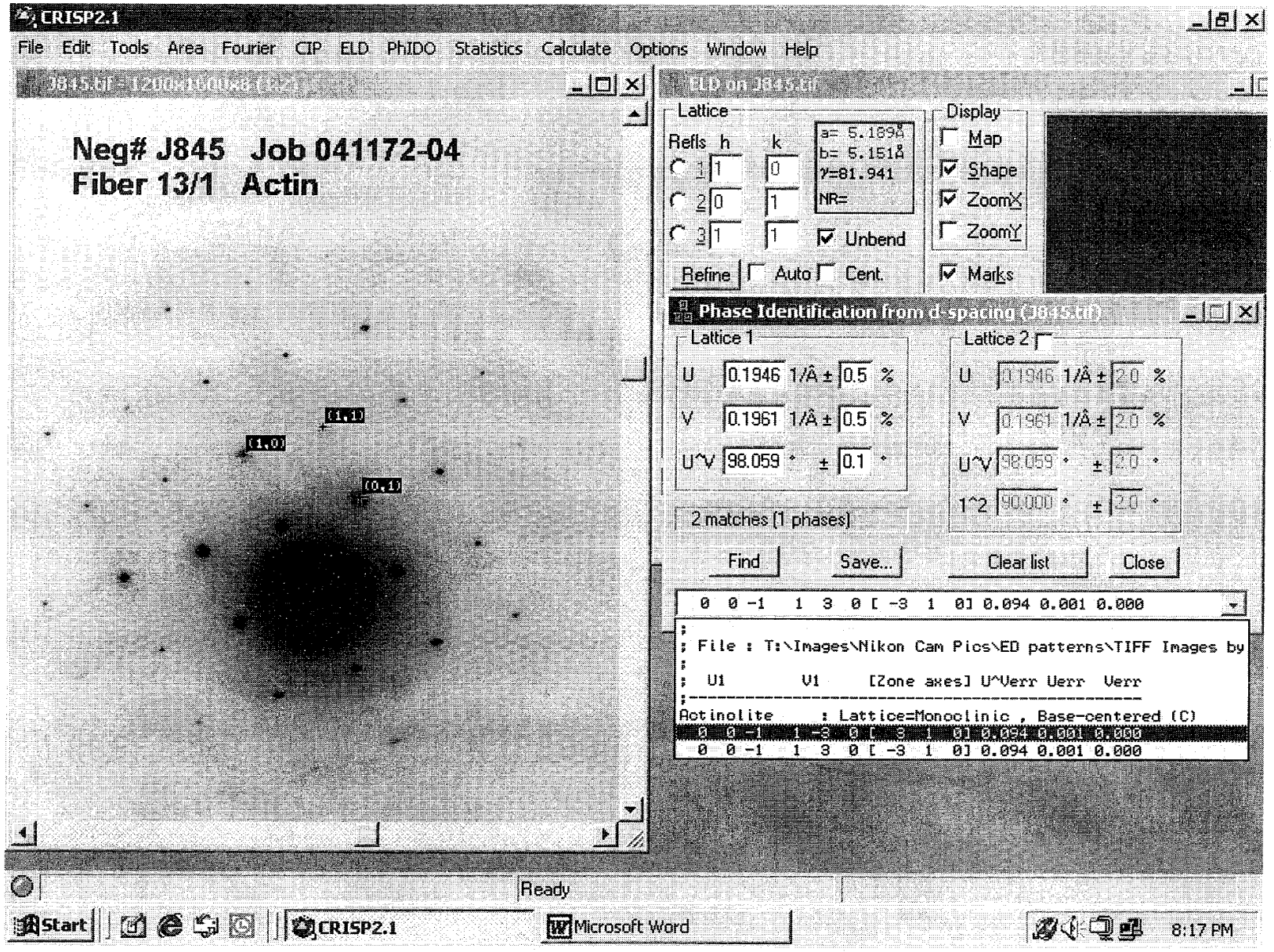
Comments: ISO 10312 PER STATEMENT OF WORK, STANDARD TURN AROUND TIME

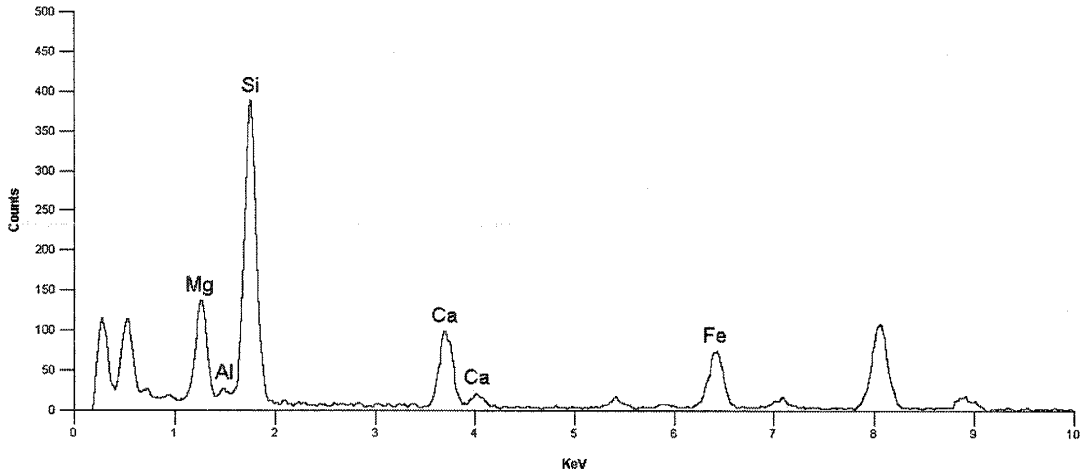
SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	10/6/04	FED-X	10/6/04	1845						
			D Jones	10/7/04	9:45						

ACTINOLITE
[3 1 0]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041172-04 13/T3 SP 544 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 322.20
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	10.92	MgO	20.29	1.36	20.29
Si	20.72	SiO2	57.41	2.08	57.41
Ca	3.53	CaO	9.13	0.81	9.13
Fe	3.57	Fe2O3	13.16	1.48	13.16
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.41	Si+4	7.8719	7.8719							
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	13.16	Fe+3	0.6653			0.6653	0.0000				
MgO	20.29	Mg+2	4.1476			4.1476	**0.0000**				
MnO	0	Fe+2	0.7695			0.1871	**0.5824**				
CaO	9.13	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.3412					1.3412	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	**0.5824**	B site	**0**	A site	**0**
			Total	**7.8719**		**5.0000**		**1.3412**		**0.0000**	**0.0000**
			%Fill	**98.398**		**100**		**67.0584**			

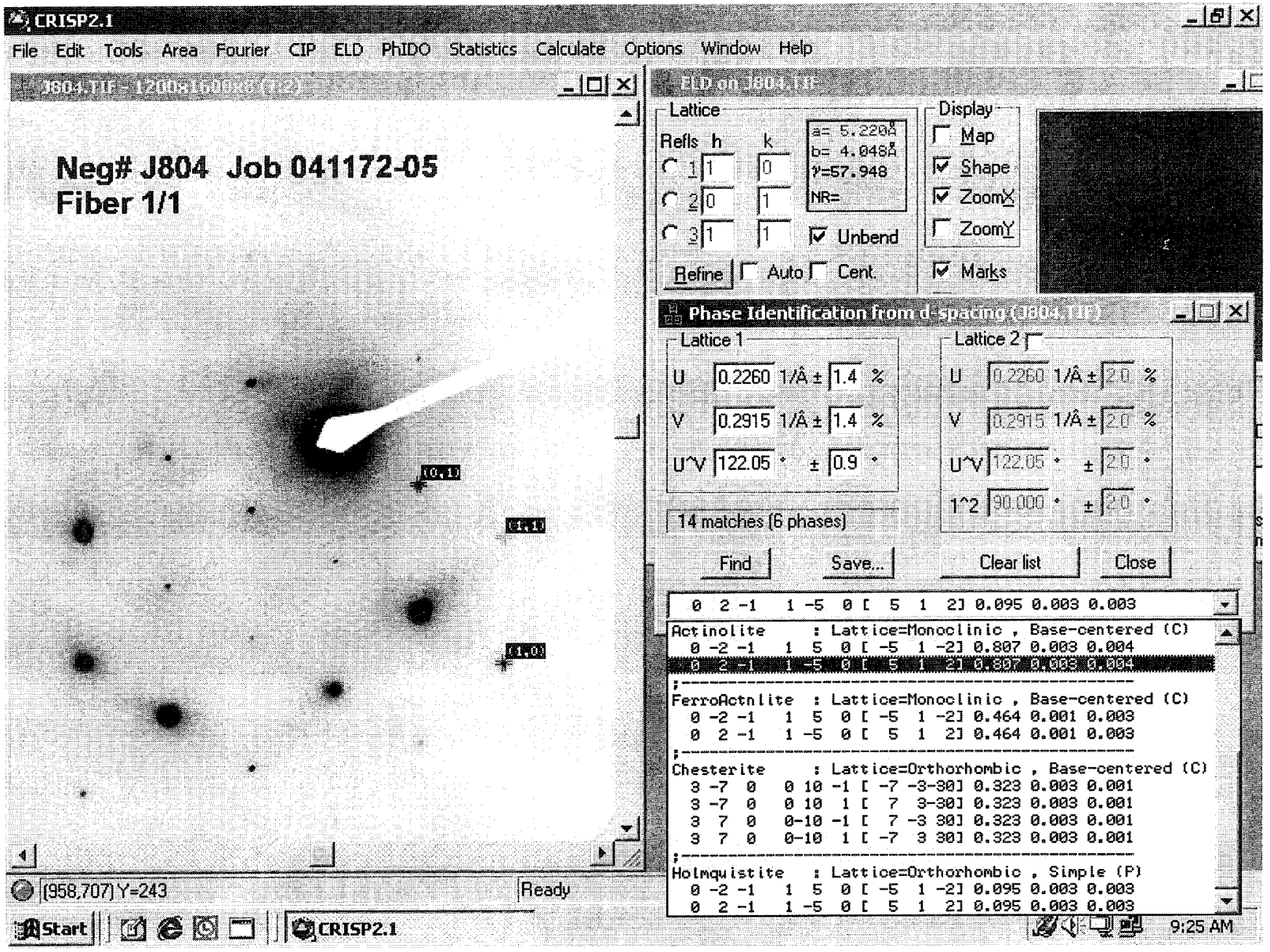
Prefix none
Name probable actinolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

Sample # **041172-04-544**

Values		Satisfied Conditions
(Ca,Na)@B	1.34	(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	1.34	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.84	(Mg/(Mg+Fe2))< 0.9
Si	7.87	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 2]

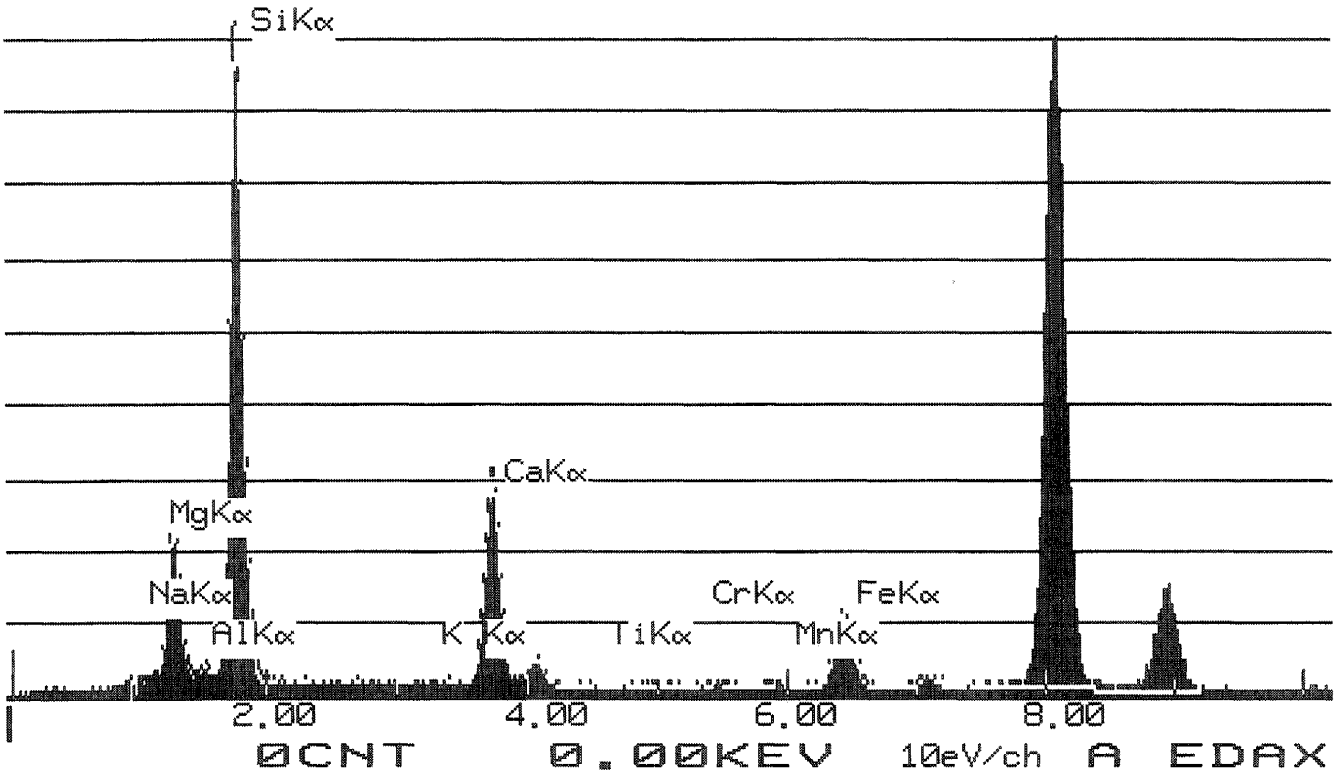


INTE-% :
LABEL = 041172-05 SP 15501
05-DEC-72 18:00:53
66.220 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	55.633	11.403	18.908
ALK	2.446	0.301	0.569
SIK	236.832	27.302	58.409
CAK	90.471	9.944	13.913
CRK	1.238	0.189	0.277
MNK	1.238	0.196	0.254
FEK	36.741	5.365	7.670
TOTAL			100.000

USED PEIF: USER

04-DEC-04 18:01:31 SUPER QUANT
RATE= 2238CPS TIME= 66LSEC
FS= 1678/ 1678 PRST= 200LSEC
A =041172-05 SP 15501



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.409	Si+4	8.0000	8.0000							
Al2O3	0.569	Al+3	0.0920	0.0000	**0.0920**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0.277	Cr+3	0.0301			0.0301	0.0000				
Fe(total)O	7.67	Fe+3	0.0080			0.0080	0.0000				
MgO	18.908	Mg+2	3.8618			3.8618	**0.0000**				
MnO	0.254	Fe+2	0.8700			0.8700	**0.0000**				
CaO	13.913	Mn+2	0.0296			0.0296	**0.0000**				
Na2O	0	Ca+2	2.0421					2.0000	0.0421		
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	**0.0920**	C site	**0.0000**	B site	**0.0420742**	A site	**0**
			Total	8		4.8914		2.0000		0.0000	0.0000
			%Fill	100		97.8281		100			

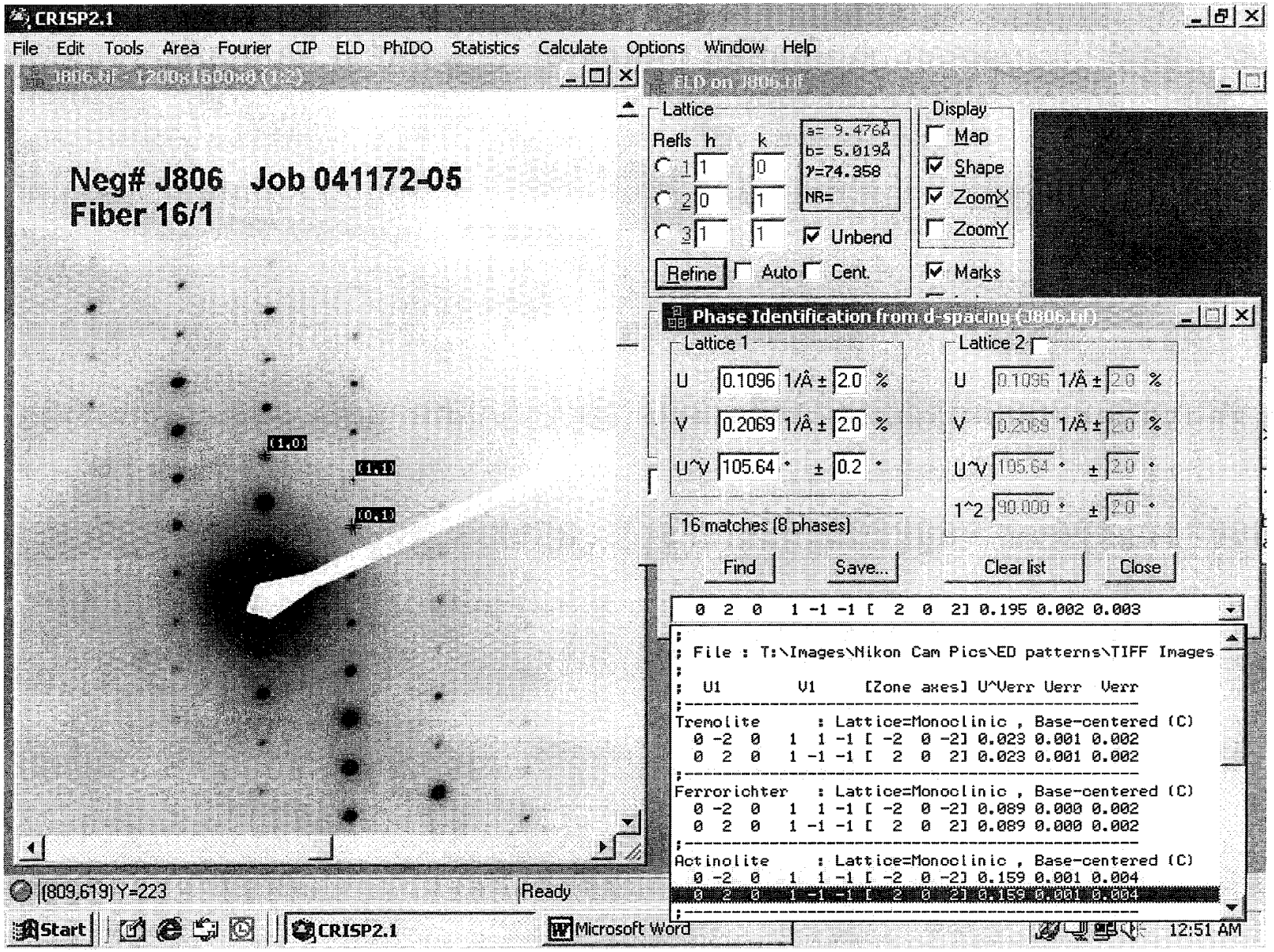
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

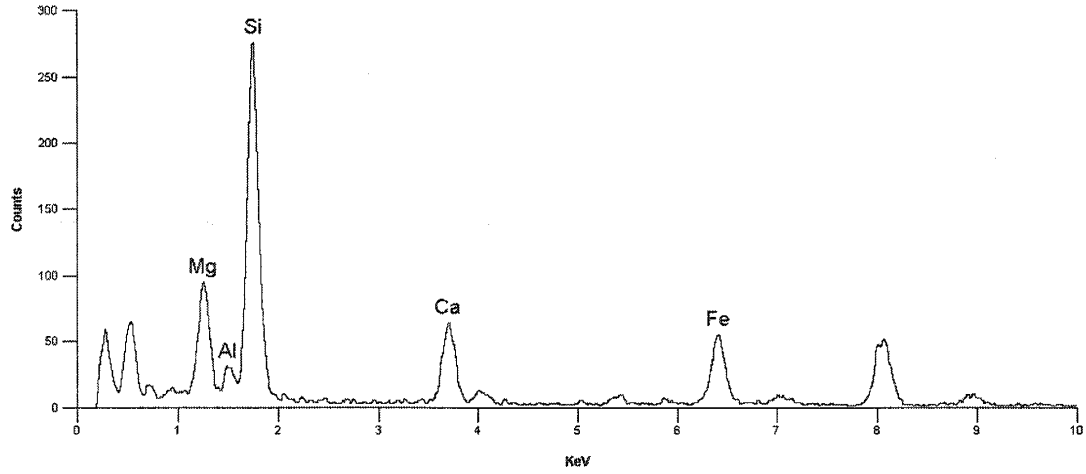
Sample # 041172-05-15501

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)	0.82	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041172-05 16/1 SP 549 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 368.94
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	10.35	MgO	19.21	1.66	19.21
Al	0.88	Al2O3	2.07	0.49	2.07
Si	20.40	SiO2	56.44	2.54	56.44
Ca	3.15	CaO	8.14	0.92	8.14
Fe	3.84	Fe2O3	14.14	1.77	14.14
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.44	Si+4	7.7385	7.7385							
Al2O3	2.07	Al+3	0.3345	0.2615	**0.0730**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.14	Fe+3	0.7148			0.7148	0.0000				
MgO	19.21	Mg+2	3.9266			3.9266	**0.0000**				
MnO	0	Fe+2	0.8268			0.2856	**0.5412**				
CaO	8.14	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.1957					1.1957	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	**0.0730**	C site	**0.5412**	B site	**0**	A site	**0**
			Total	8		5.0000		1.1957		0.0000	0.0000
			%Fill	100		100		59.784			

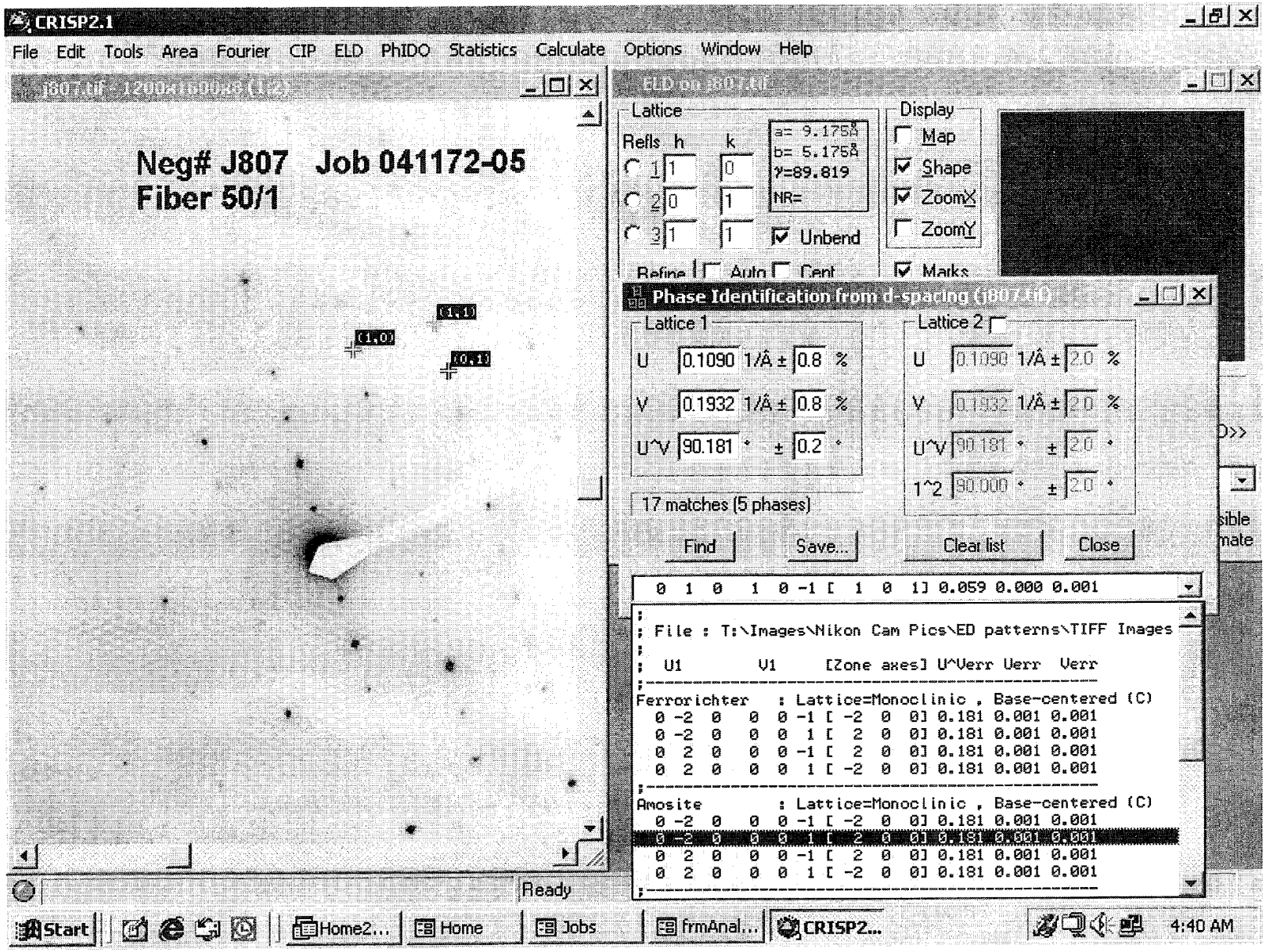
Prefix none
Name probable actinolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

Sample # 041172-05-549

Values		Satisfied Conditions
(Ca,Na)@B	1.20	(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	1.20	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.83	(Mg/(Mg+Fe2))< 0.9
Si	7.74	

Mineral Analysis Program (Version 5.0)

AMOSITE
[1 0 0]


CRISP2.1
File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help
Neg# J807 Job 041172-05
Fiber 50/1
(1,1)
(1,0)
(0,1)
Lattice
Refls h k
a= 9.175Å
b= 5.175Å
γ=89.819
NR=
Unbend
Display
Map
Shape
ZoomX
ZoomY
Marks
Phase Identification from d-spacing (J807.tif)
Lattice 1
U 0.1090 1/Å ± 0.8 %
V 0.1932 1/Å ± 0.8 %
U^V 90.181 ° ± 0.2 °
Lattice 2
U 0.1090 1/Å ± 2.0 %
V 0.1932 1/Å ± 2.0 %
U^V 90.181 ° ± 2.0 °
1^2 90.000 ° ± 2.0 °
17 matches (5 phases)
Find
Save...
Clear list
Close
0 1 0 1 0 -1 [1 0 1] 0.059 0.000 0.001
; File : T:\Images\Nikon Cam Pics\ED patterns\TIFF Images
; U1 V1 [Zone axes] U^Verr Uerr Verr
Ferrorichter : Lattice=Monoclinic , Base-centered (C)
0 -2 0 0 0 -1 [-2 0 0] 0.181 0.001 0.001
0 -2 0 0 0 1 [2 0 0] 0.181 0.001 0.001
0 2 0 0 0 -1 [2 0 0] 0.181 0.001 0.001
0 2 0 0 0 1 [-2 0 0] 0.181 0.001 0.001
Amosite : Lattice=Monoclinic , Base-centered (C)
0 -2 0 0 0 -1 [-2 0 0] 0.181 0.001 0.001
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0 2 0 0 0 -1 [2 0 0] 0.181 0.001 0.001
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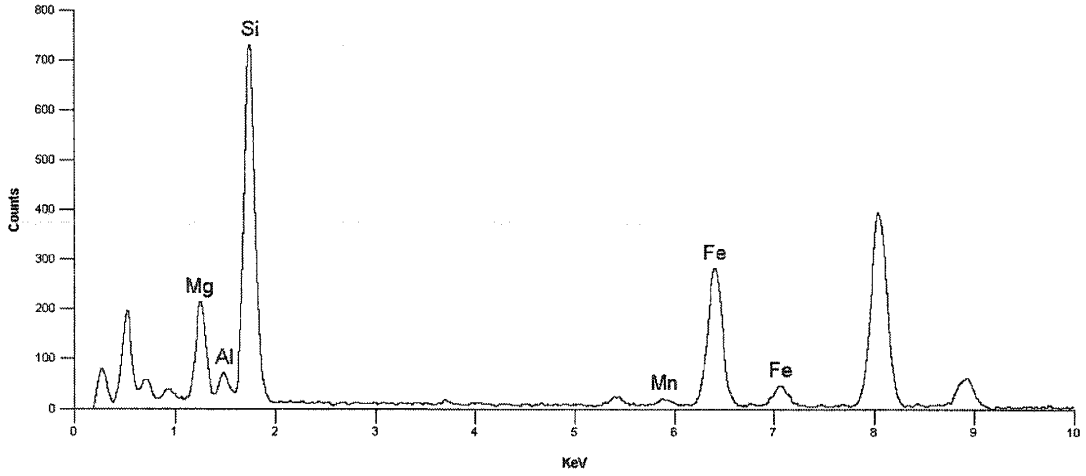
Ready
Start
Home2...
Home
Jobs
frmAnal...
CRISP2...
4:40 AM



Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041172-05 50/1 SP 550 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 366.63
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	8.63	MgO	15.54	0.86	15.54
Al	0.69	Al2O3	1.58	0.26	1.58
Si	20.50	SiO2	55.04	1.43	55.04
Fe	7.80	Fe2O3	27.84	1.47	27.84
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.04	Si+4	7.9458	7.9458							
Al2O3	1.58	Al+3	0.2688	0.0542	**0.2146**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	27.84	Fe+3	0.0000			0.0000	0.0000				
MgO	15.54	Mg+2	3.3445			3.3445	**0.0000**				
MnO	0	Fe+2	3.3607			1.4409	**1.9198**				
CaO	0	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	0.0000					0.0000	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	**0.2146**	C site	**1.9198**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**0.0000**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**0**			

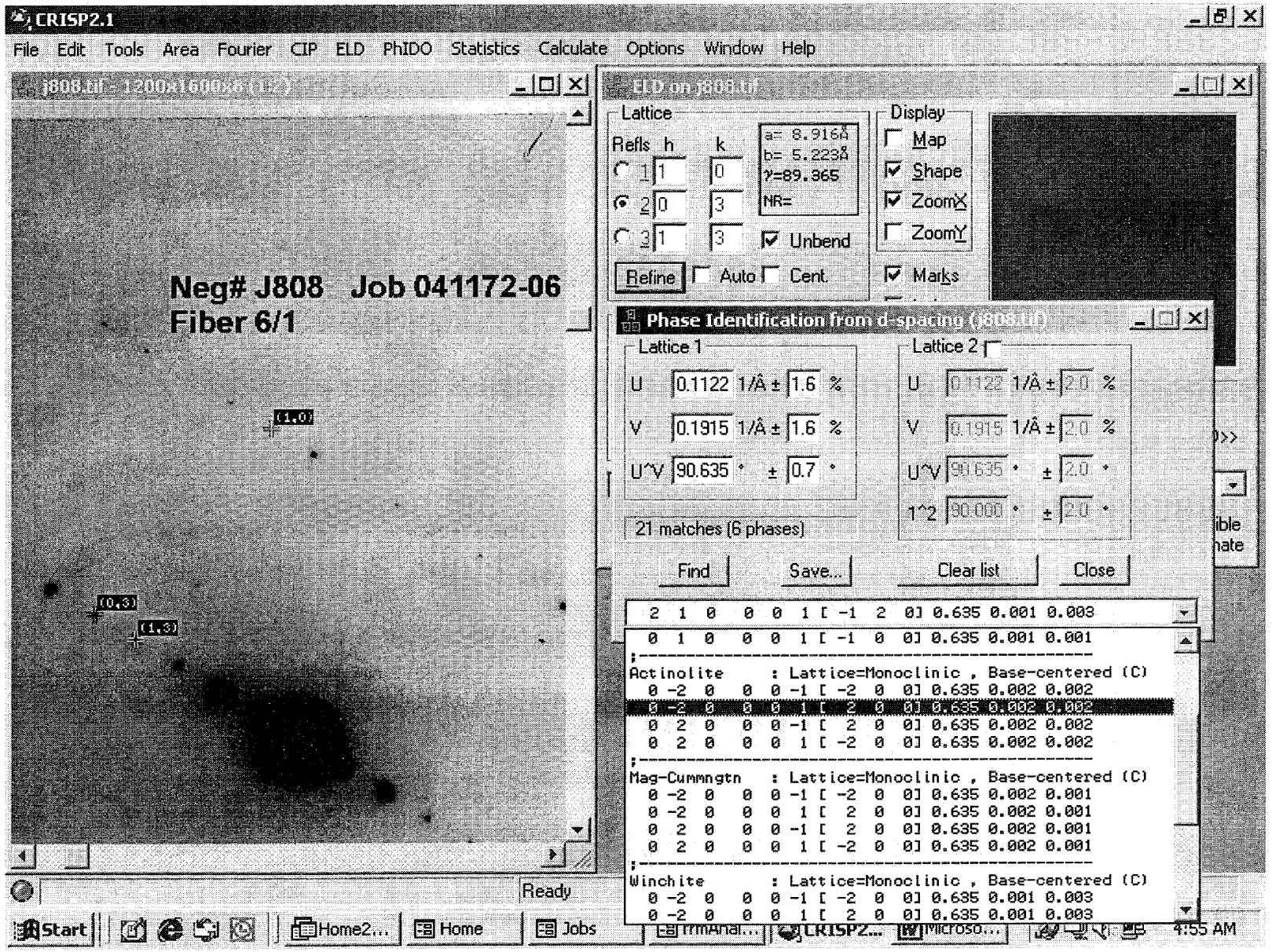
Prefix none
Name grunerite, ferro-anthophyllite, ferroholmquistite, clinoferroholmquistite
Modifier none
Group Mg-Fe-Mn Amphibole

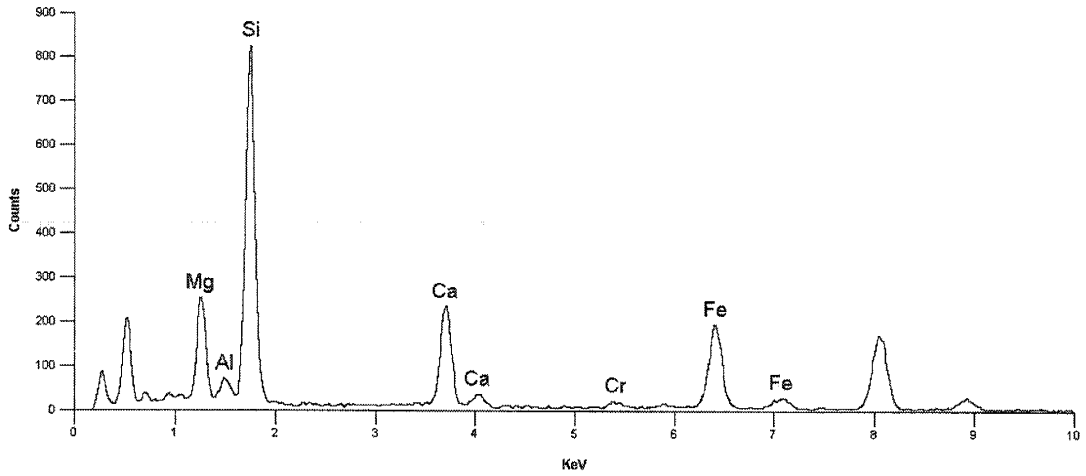
Sample # **041172-05-550**

Values		Satisfied Conditions
(Ca,Na)@B	0.00	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	1.92	(Mg/(Mg+Fe2))< 0.5
Mg/(Mg+Fe2)	0.50	Si > 7
Si	7.95	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041172-06 G10/1 SP551 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 591.46
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	9.22	MgO	16.79	0.73	16.79
Al	0.75	Al2O3	1.73	0.21	1.73
Si	19.83	SiO2	53.86	1.16	53.86
Ca	4.34	CaO	11.00	0.49	11.00
Fe	4.61	Fe2O3	16.63	0.95	16.63
<Total>	100.00		100.00		100.00

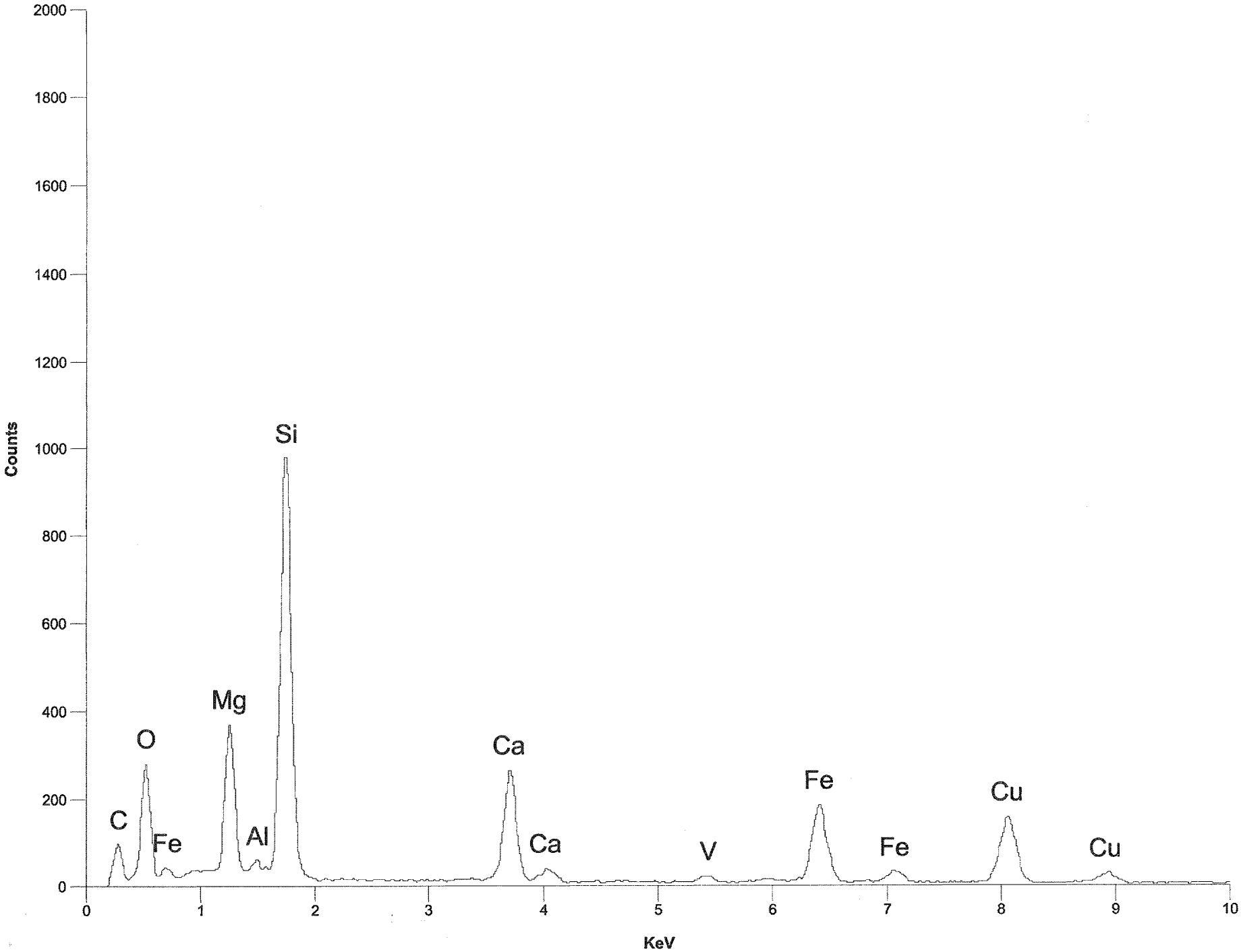
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.86	Si+4	7.5589	7.5589							
Al2O3	1.73	Al+3	0.2861	0.2861	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.63	Fe+3	0.8605			0.8605	0.0000				
MgO	16.79	Mg+2	3.5129			3.5129	**0.0000**				
MnO	0	Fe+2	0.9953			0.6265	**0.3688**				
CaO	11	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6539					1.6312	0.0227		
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	**0.0000**	C site	**0.3688**	B site	**0.0226698**	A site	**0**
			Total	**7.8451**		**5.0000**		**1.6312**		**0.0000**	**0.0000**
			%Fill	**98.063**		**100**		**81.5614**			

Prefix none
Name actinolite
Modifier Ferrian
Group Calcic Amphibole

Sample # **041172-06-551**

Values		Satisfied Conditions
(Ca,Na)@B	1.63	(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	1.63	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.78	(Mg/(Mg+Fe2))< 0.9
Si	7.56	

Mineral Analysis Program (Version 5.0)



Title: 041172-06 15/1 SP552 Time: 12:00 Date: Jan 1, 1997

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.38	Si+4	7.8446	7.8446							
Al2O3	1.36	Al+3	0.2270	0.1554	**0.0716**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.35	Fe+3	0.0142			0.0142	0.0000				
MgO	15.02	Mg+2	3.1718			3.1718	**0.0000**				
MnO	0	Fe+2	1.5654			1.5654	**0.0000**				
CaO	11.99	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	2.77	Ca+2	1.8195					1.8195	0.0000		
K2O	0.13	Na+	0.7607					0.1805	**0.5802**	0.5802	0.0000
		K+	0.0235							0.0235	0.0000
Total	**100**		**Excess**	T site	**0.0716**	C site	**0.0000**	B site	**0.5802156**	A site	**0**
			Total	**8**		**4.8232**		**2.0000**		**0.6037**	**0.0000**
			%Fill	**100**		**96.4631**		**100**			

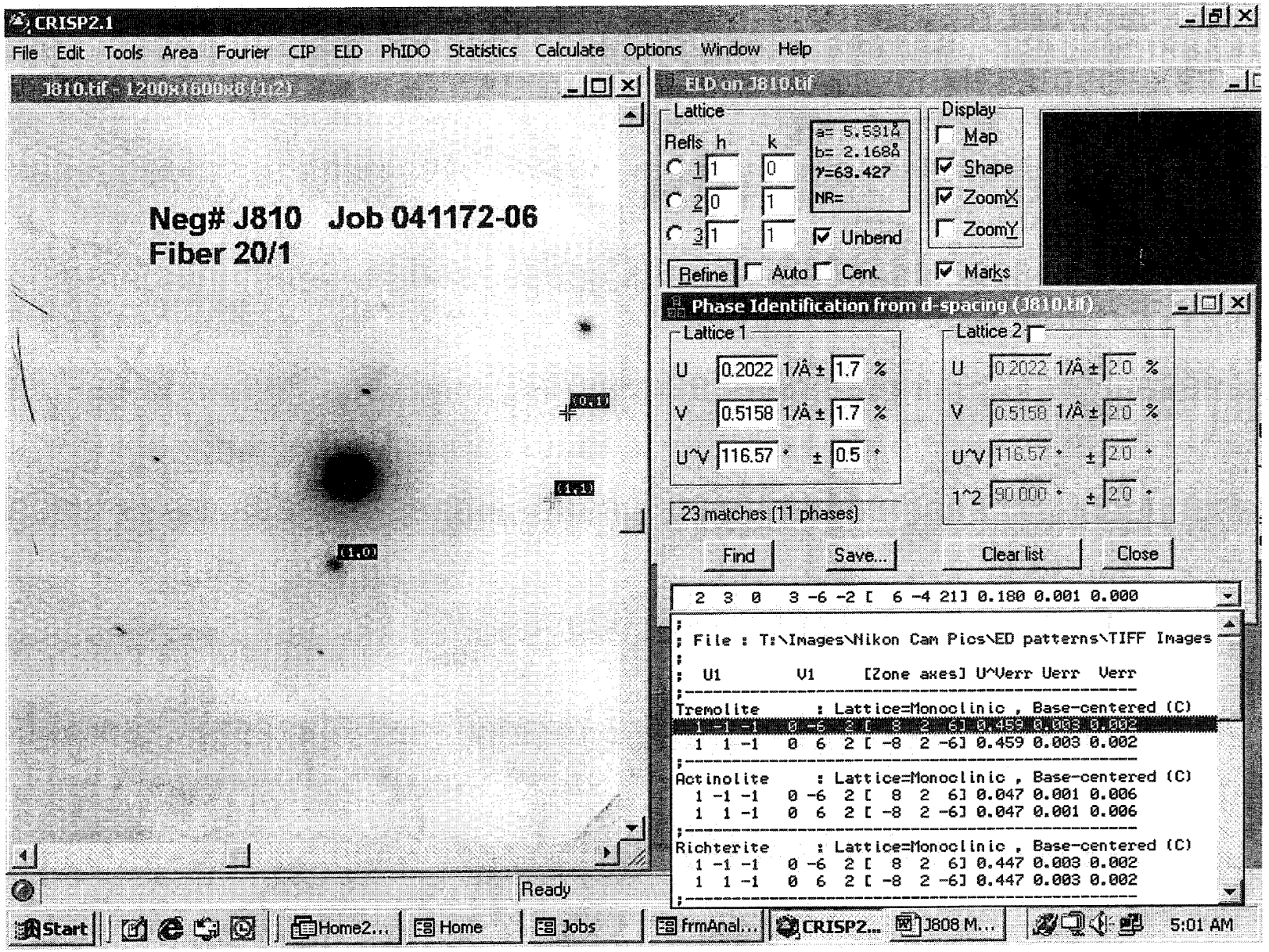
Prefix none
Name edenite
Modifier none
Group Calcic Amphibole

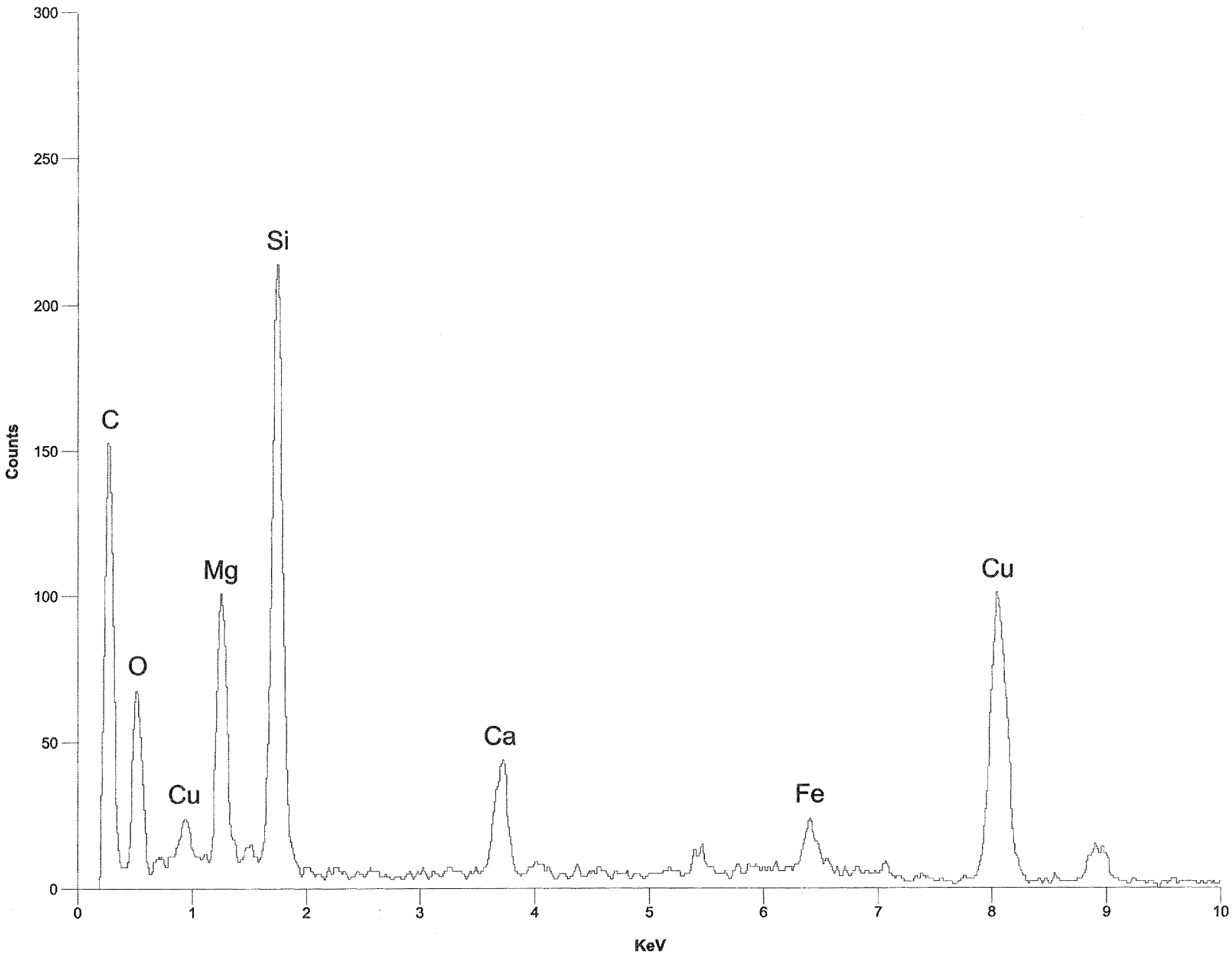
Sample # **041172-06-15-1**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.18	Ca@B >= 1.5 and (Na,K)@A >= 0.5
Ca@B	1.82	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.60	Si > 6.5
Mg/(Mg+Fe2)	0.67	
Si	7.84	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[4 1 3]





Title: 041172-06 20/1 SP553 Time: 12:00 Date: Jan 1, 1997

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.23	Si+4	8.0000	8.0000							
Al2O3	0.02	Al+3	0.0066	0.0000	**0.0066**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	5.29	Fe+3	0.2626			0.2626	0.0000				
MgO	23.12	Mg+2	4.6101			4.6101	**0.0000**				
MnO	0	Fe+2	0.3060			0.1208	**0.1852**				
CaO	11.3	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.03	Ca+2	1.6224					1.6224	0.0000		
K2O	0.01	Na+	0.0162					0.0162	**0.0000**	0.0000	0.0000
		K+	0.0054							0.0054	0.0000
Total	**100**		**Excess**	T site	**0.0066**	C site	**0.1852**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6386**		**0.0054**	**0.0000**
			%Fill	**100**		**100**		**81.928**			

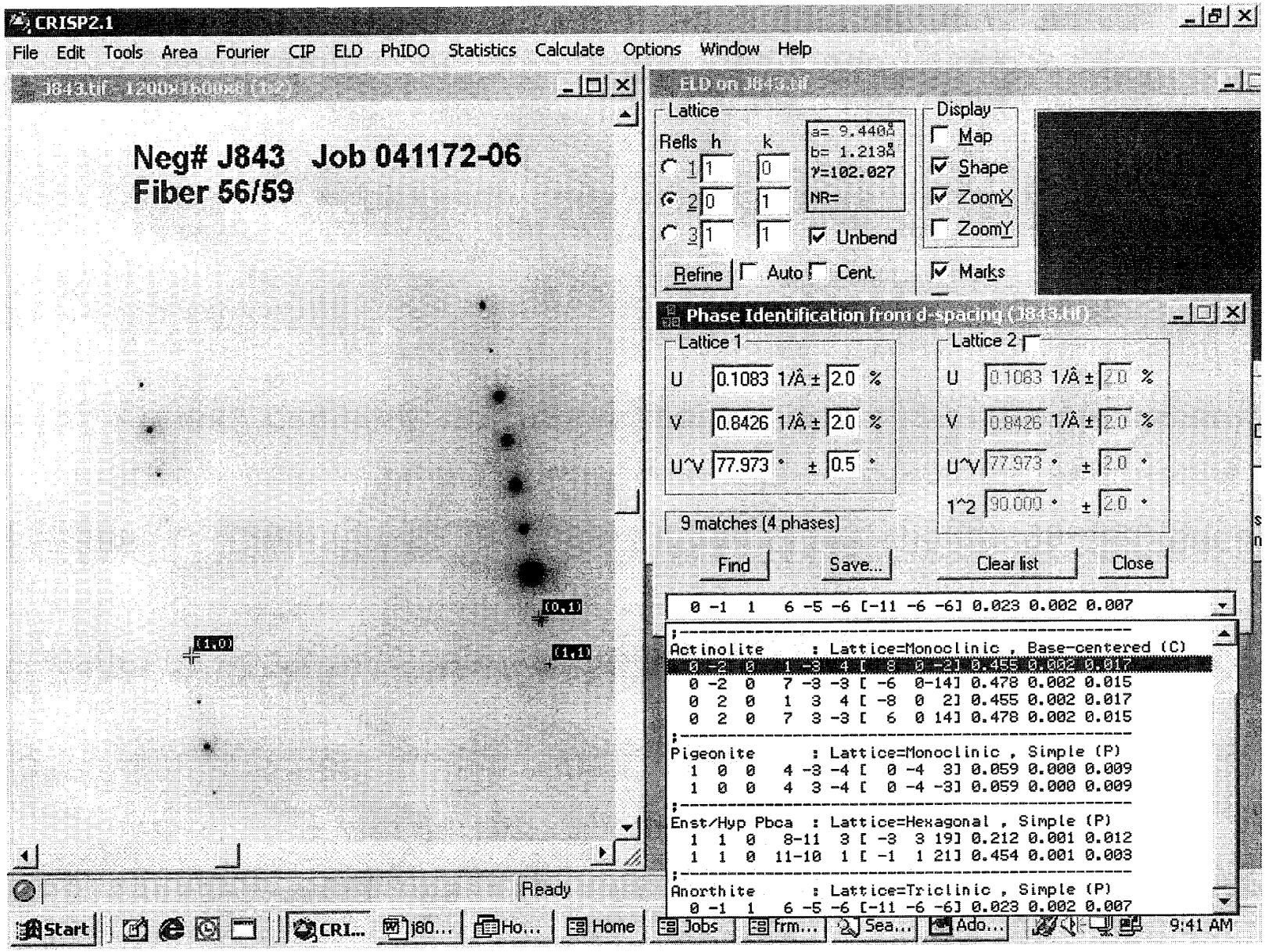
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

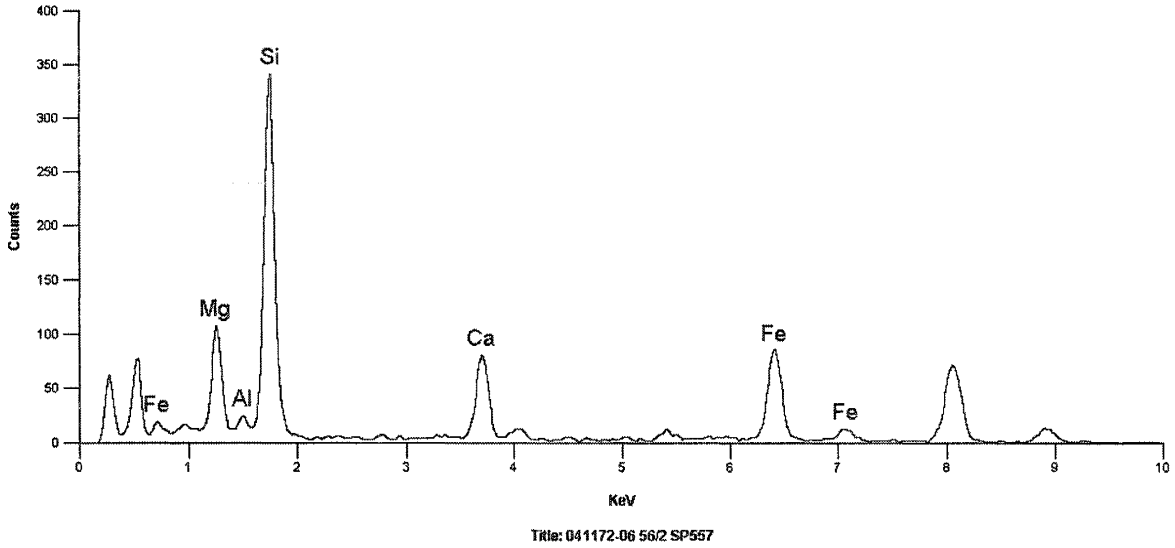
Sample # **041172-06-20-1**

Values		Satisfied Conditions
(Ca,Na)@B	1.64	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.02	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.62	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.01	Si > 7.5
Mg/(Mg+Fe2)	0.94	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[4 0 -1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041172-06 56/2 SP557 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 588.52
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	9.11	MgO	16.52	1.14	16.52
Al	0.46	Al2O3	1.06	0.30	1.06
Si	19.97	SiO2	53.96	1.86	53.96
Ca	3.61	CaO	9.09	0.70	9.09
Fe	5.40	Fe2O3	19.37	1.54	19.37
<Total>	100.00		100.00		100.00

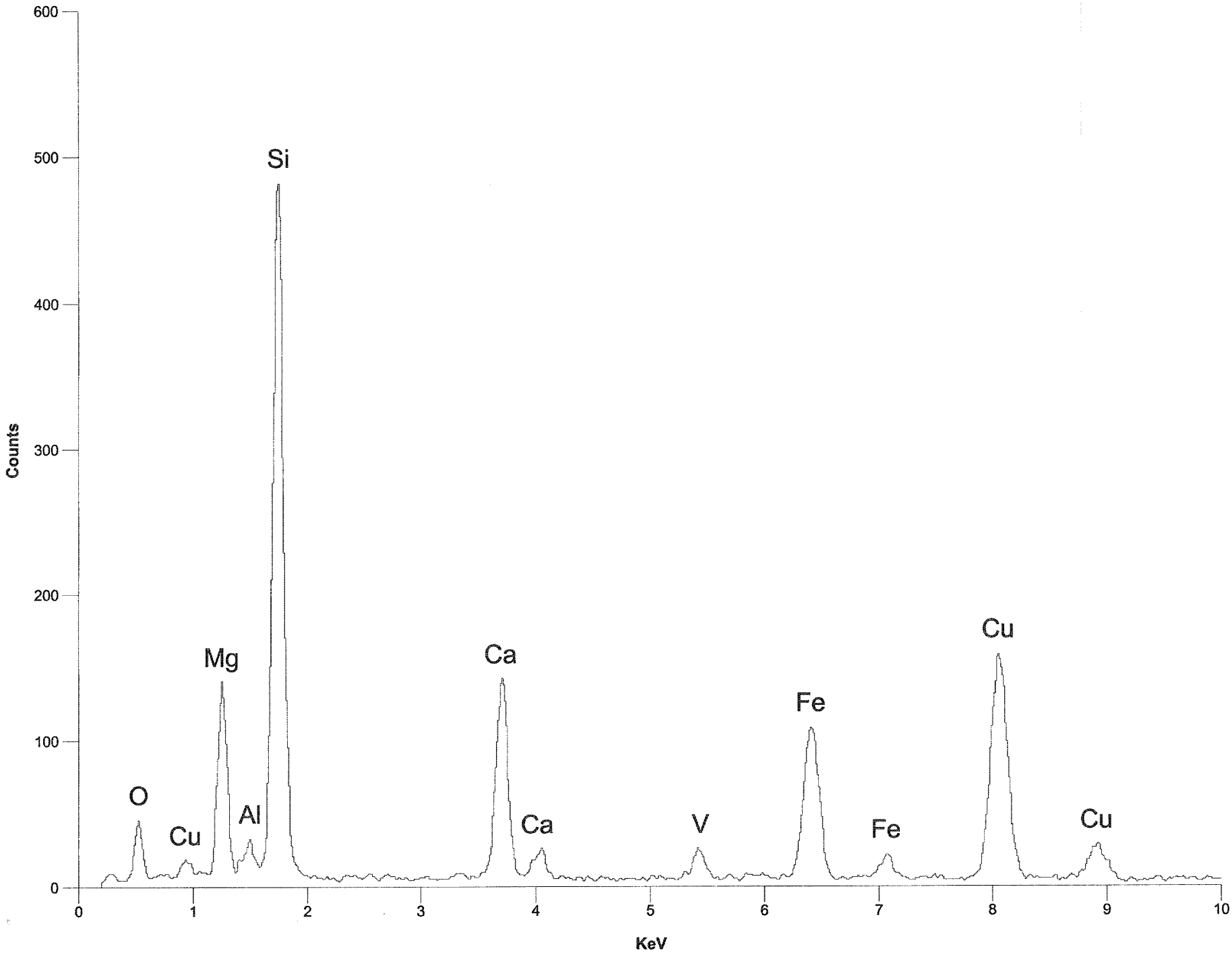
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.96	Si+4	7.6078	7.6078							
Al2O3	1.06	Al+3	0.1761	0.1761	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	19.37	Fe+3	1.0069			1.0069	0.0000				
MgO	16.52	Mg+2	3.4723			3.4723	**0.0000**				
MnO	0	Fe+2	1.1646			0.5208	**0.6439**				
CaO	9.09	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.3730					1.3561	0.0169		
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	**0.6439**	B site	**0.016856**	A site	**0**
			Total	**7.7839**		**5.0000**		**1.3561**		**0.0000**	**0.0000**
			%Fill	**97.298**		**100**		**67.8071**			

Prefix Ferri
Name probable actinolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

Sample # **041172-06-557**

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	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.75	(Mg/(Mg+Fe2))< 0.9
Si	7.61	

Mineral Analysis Program (Version 5.0)



Title: 041172-06 25/1 SP554 Time: 12:00 Date: Jan 1, 1997

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.56	Si+4	7.8154	7.8154							
Al2O3	3.02	Al+3	0.5098	0.1846	**0.3252**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.5	Fe+3	0.0189			0.0189	0.0000				
MgO	11.73	Mg+2	2.5050			2.5050	**0.0000**				
MnO	0	Fe+2	2.0752			2.0752	**0.0000**				
CaO	12.73	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.01	Ca+2	1.9536					1.9536	0.0000		
K2O	0.45	Na+	0.0028					0.0028	**0.0000**	0.0000	0.0000
		K+	0.0822							0.0822	0.0000
Total	**100**		**Excess**	T site	**0.3252**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9242**		**1.9563**		**0.0822**	**0.0000**
			%Fill	**100**		**98.484**		**97.8169**			

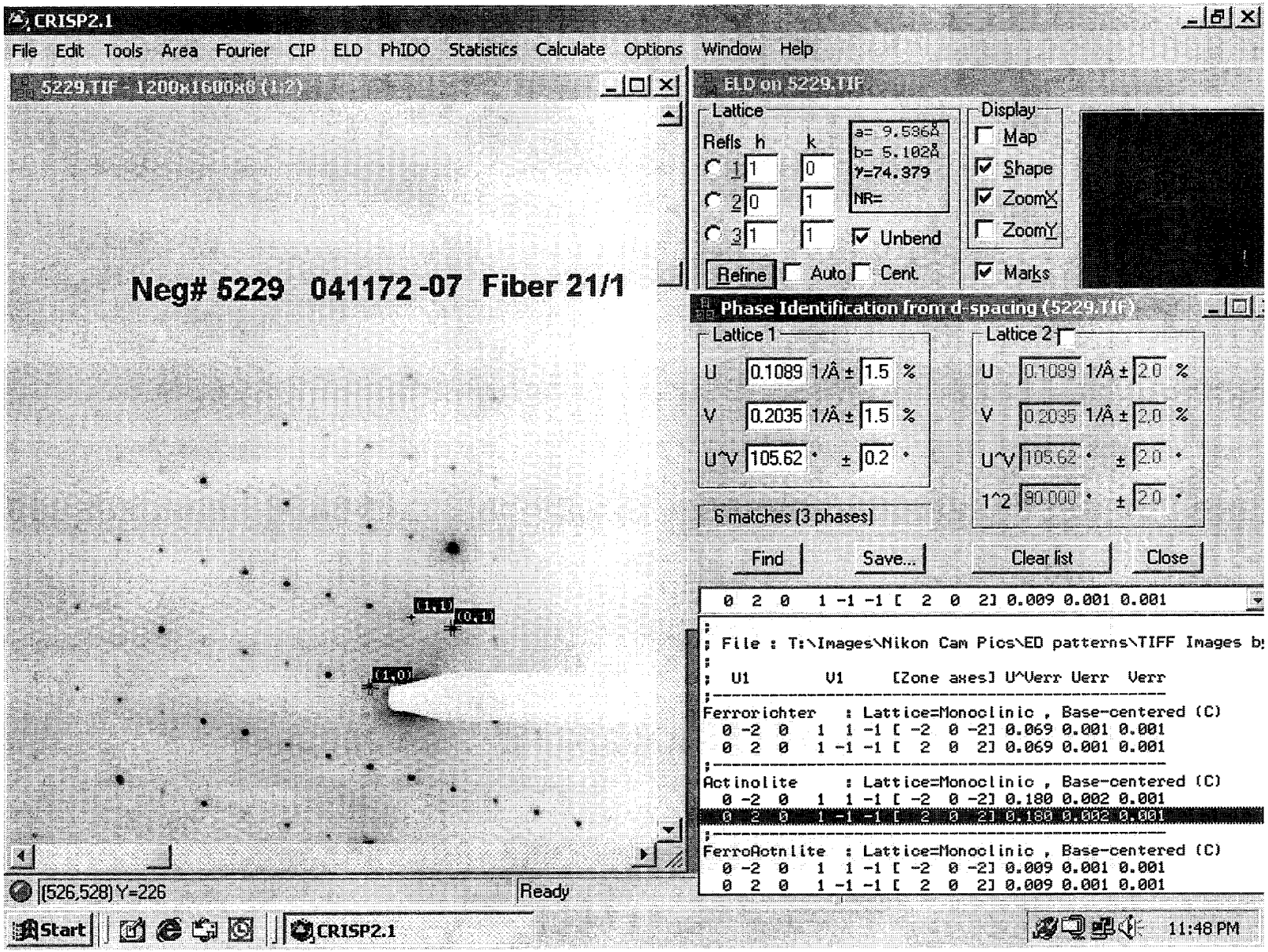
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-06-25-1**

Values		Satisfied Conditions
(Ca,Na)@B	1.96	(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	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.55	(Mg/(Mg+Fe2))< 0.9
Si	7.82	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 1]



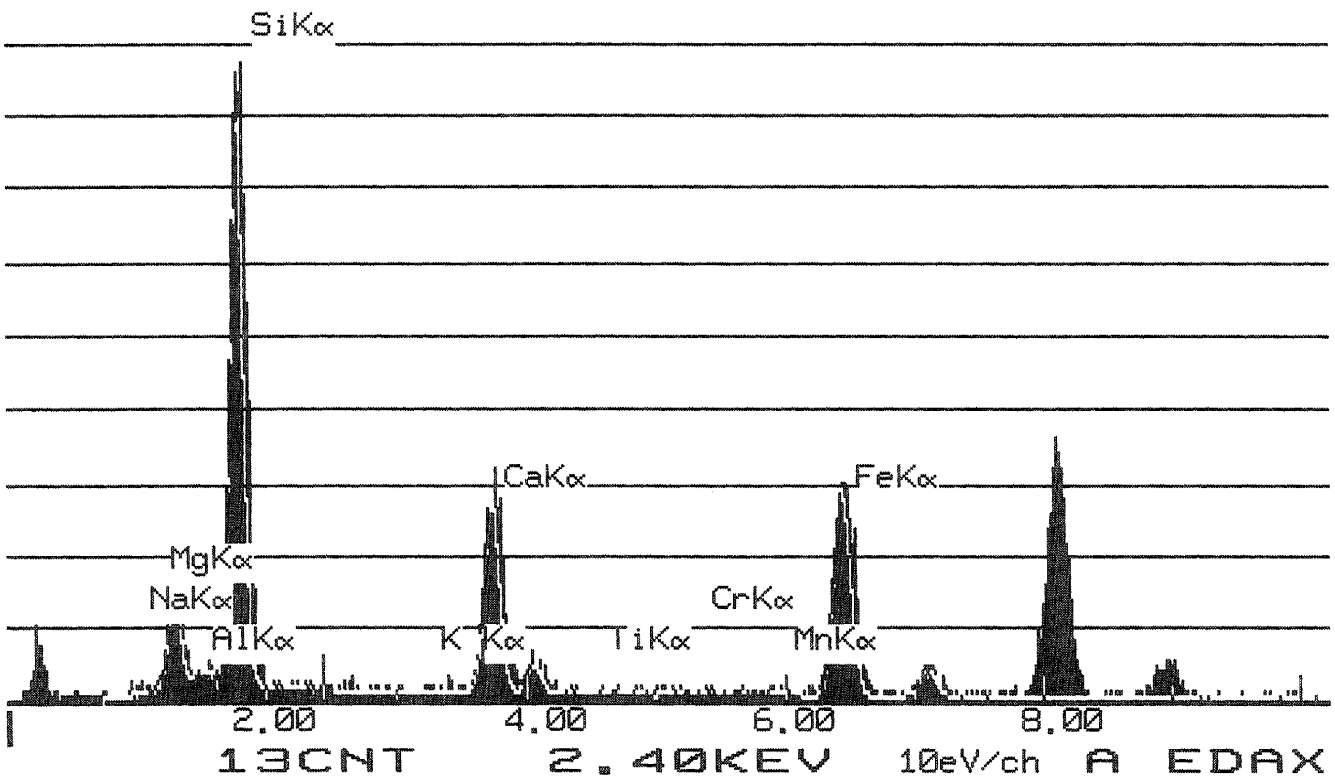
INTE-% :
LABEL = 041172-07 21/21 15149
23-NOV-72 00:17:00
55.752 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.215	0.256	0.345
MGK	12.879	7.240	12.004
ALK	1.058	0.357	0.675
SIK	78.312	24.759	52.968
CAK	30.887	9.310	13.027
CRK	0.413	0.173	0.253
MNK	0.574	0.250	0.322
FEK	35.640	14.272	20.405

TOTAL			100.000

USED PEIF: USER

22-NOV-04 00:17:30 SUPER QUANT
RATE= 1CPS TIME= 55LSEC
FS= 509/ 509 PRST= 200LSEC
A =041172-07 21/21 15149



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.968	Si+4	7.7415	7.7415							
Al2O3	0.675	Al+3	0.1163	0.1163	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0.253	Cr+3	0.0292			0.0292	0.0000				
Fe(total)O	20.405	Fe+3	0.1571			0.1571	0.0000				
MgO	12.004	Mg+2	2.6155			2.6155	**0.0000**				
MnO	0.322	Fe+2	2.3192			2.1981	**0.1210**				
CaO	13.027	Mn+2	0.0399			0.0000	**0.0399**				
Na2O	0.345	Ca+2	2.0397					1.8391	0.2006		
K2O	0	Na+	0.0978					0.0000	**0.0978**	0.0978	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.1609**	B site	**0.2983809**	A site	**0**
			Total	**7.8577**		**5.0000**		**1.8391**		**0.0978**	**0.0000**
			%Fill	**98.222**		**100**		**91.956**			

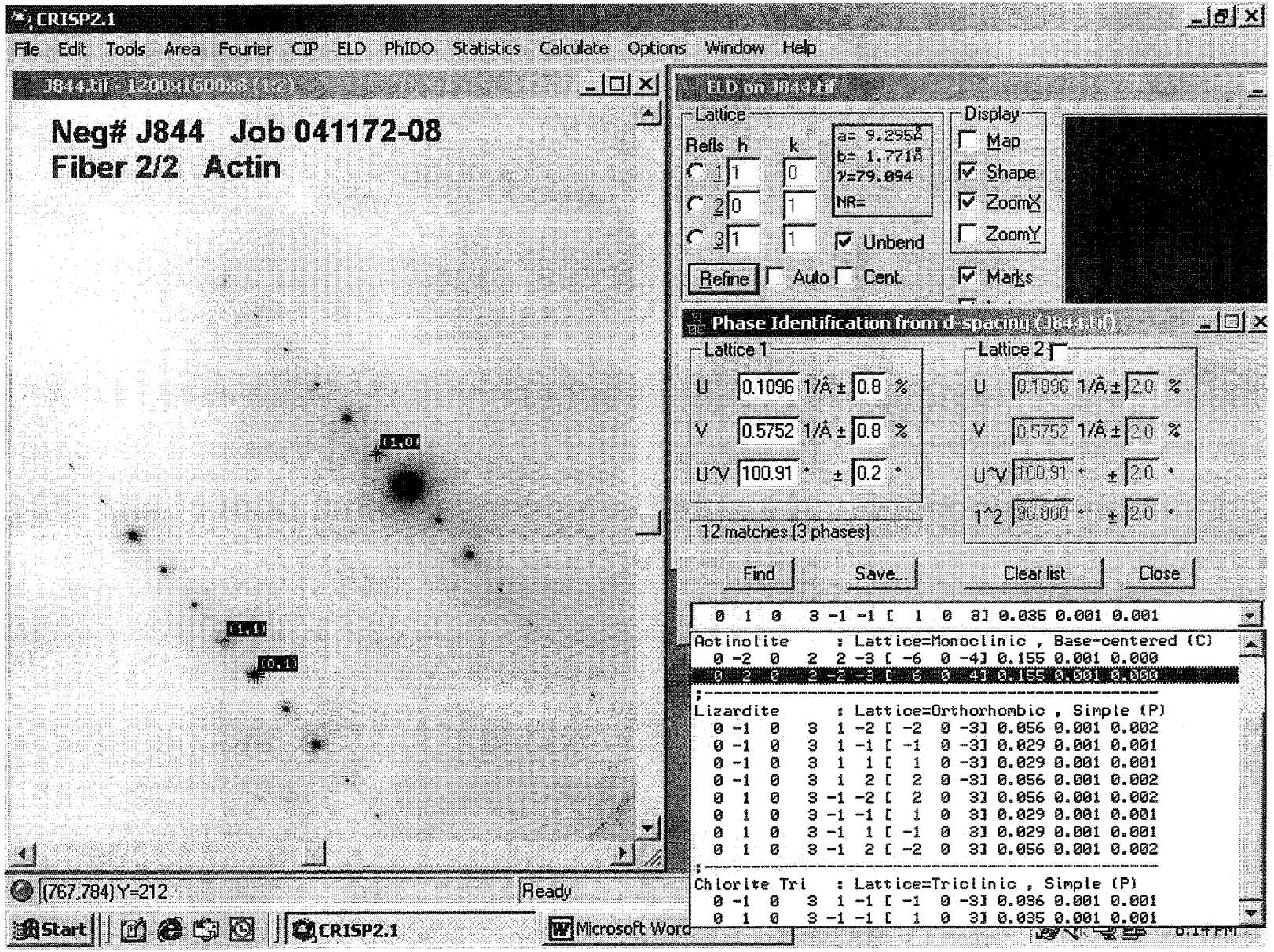
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-07-21**

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	0.10	Si > 7.5
Mg/(Mg+Fe2)	0.53	(Mg/(Mg+Fe2))< 0.9
Si	7.74	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[302]

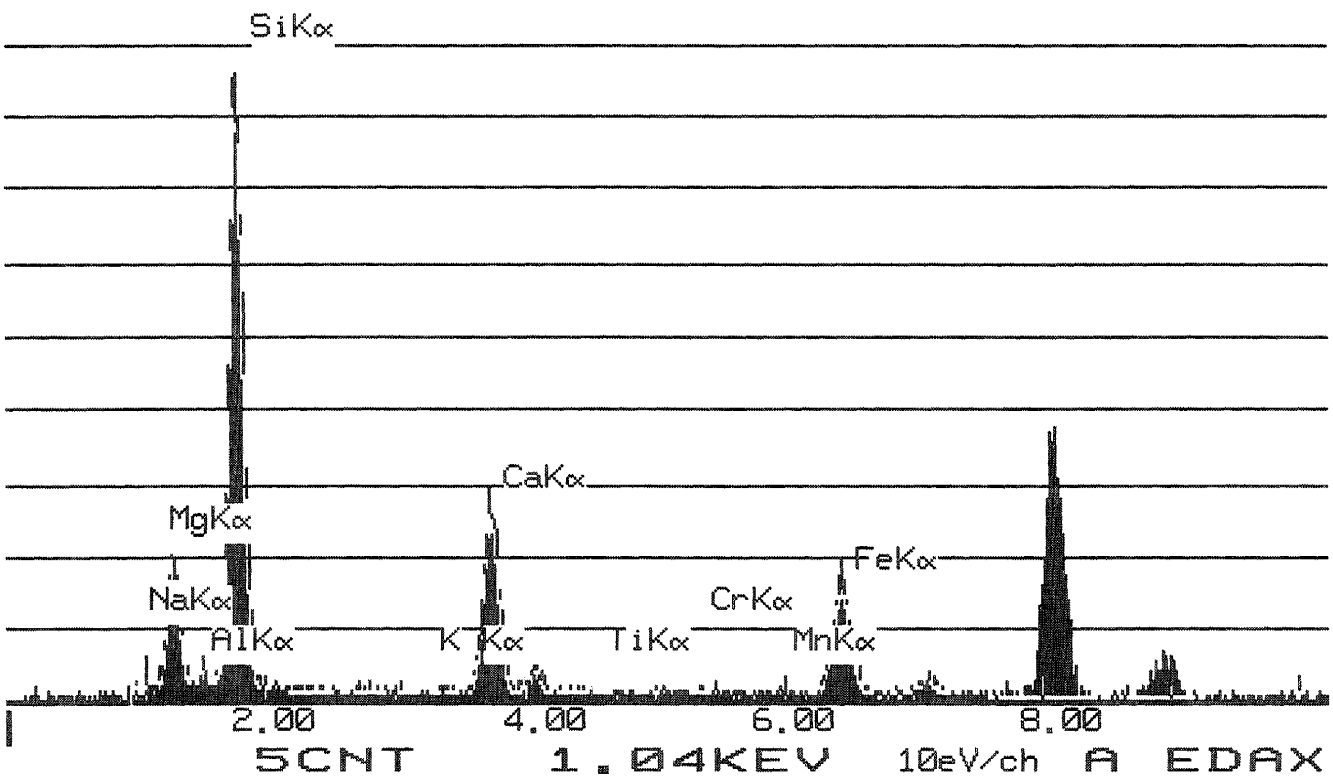


INTE-% :
LABEL = 041172-08 2/1 15152
09-OCT-72 12:12:26
125.576 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	5.089	9.907	16.427
ALK	0.502	0.587	1.109
SIK	24.742	27.093	57.962
K K	0.319	0.580	0.698
CAK	8.624	9.004	12.598
TIK	0.088	0.129	0.215
FEK	5.542	7.687	10.990
TOTAL			100.000

USED PEIF: USER

08-OCT-04 12:12:58 SUPER QUANT
RATE= 108CPS TIME= 126LSEC
FS= 359/ 359 PRST= 200LSEC
A =041172-08 2/1 15152



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.962	Si+4	8.0000	8.0000							
Al2O3	1.109	Al+3	0.1844	0.0000	**0.1844**						
TiO2	0.215	Ti+4	0.0265	0.0000	**0.0265**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.99	Fe+3	0.0135			0.0135	0.0000				
MgO	16.427	Mg+2	3.4040			3.4040	**0.0000**				
MnO	0	Fe+2	1.2661			1.2661	**0.0000**				
CaO	12.598	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8773					1.8773	0.0000		
K2O	0.698	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1269							0.1269	0.0000
Total	99.999		Excess	T site	0.2109	C site	0.0000	B site	0	A site	0
			Total	8		4.8944		1.8773		0.1269	0.0000
			%Fill	100		97.8888		93.8664			

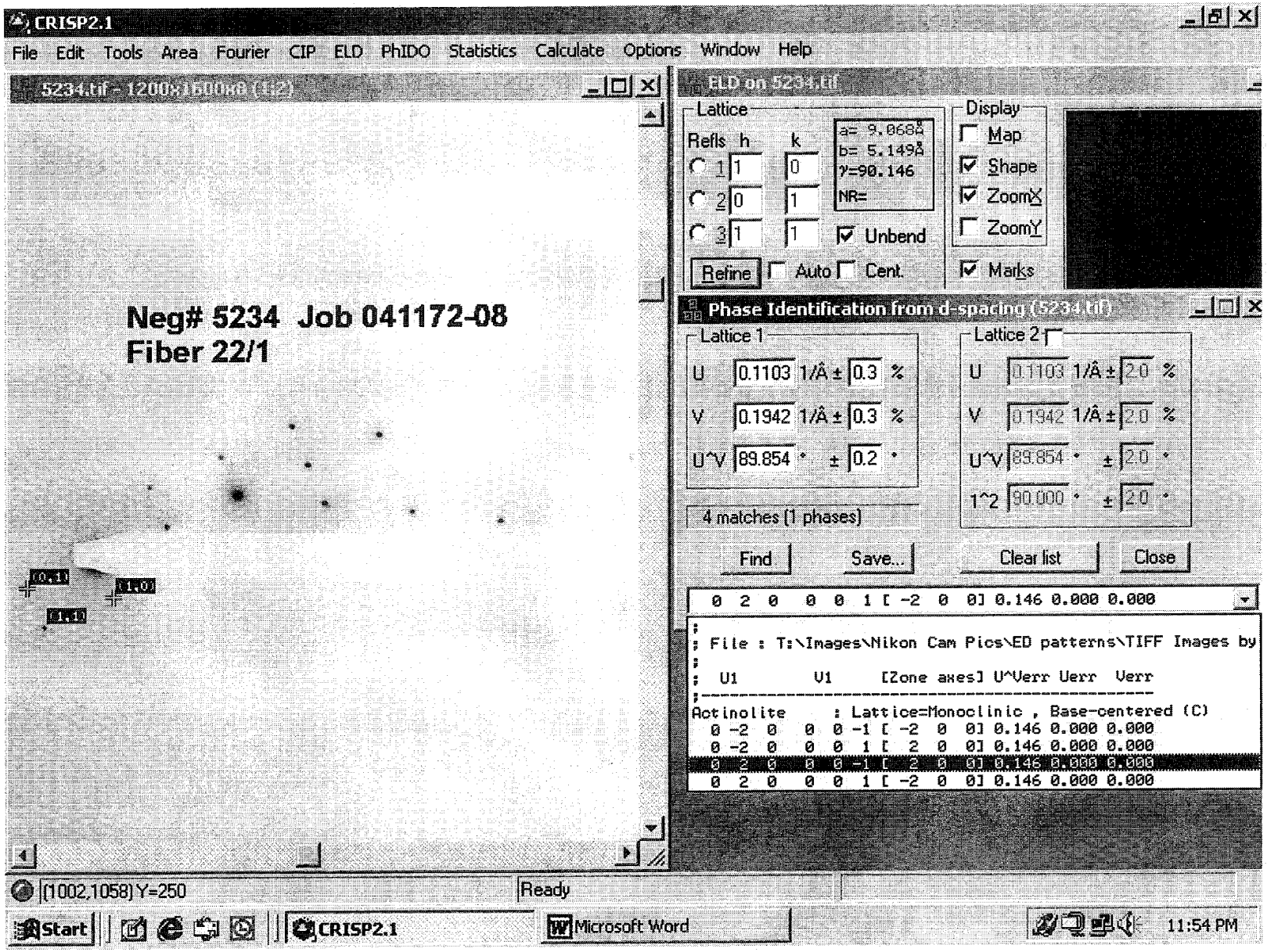
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-08-15152

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	0.13	Si > 7.5
Mg/(Mg+Fe2)	0.73	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[100]

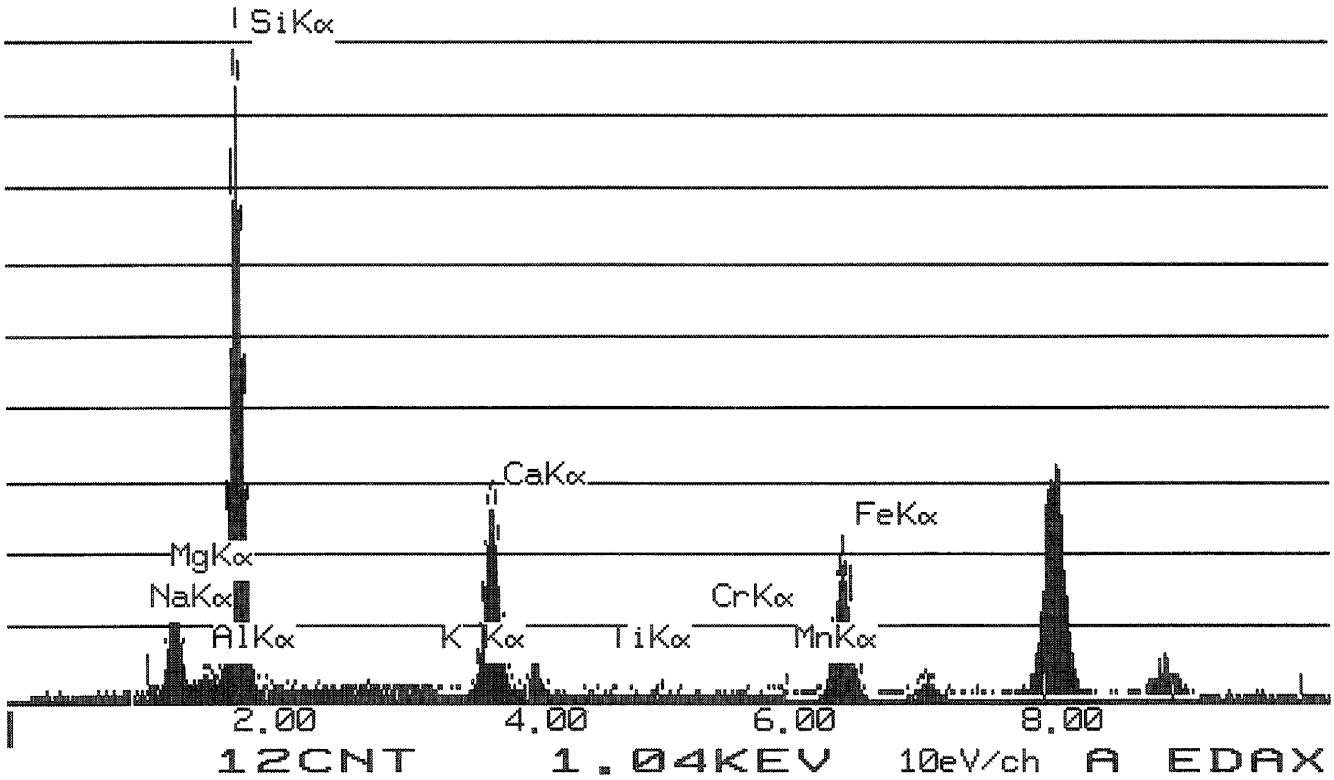


INTE-% :
LABEL = 04117-08 23/2 15154
09-OCT-72 17:16:09
91.504 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	12.480	8.585	14.234
ALK	1.945	0.804	1.519
SIK	69.025	26.703	57.127
CAK	25.463	9.392	13.141
MNK	0.590	0.314	0.406
FEK	19.376	9.494	13.574
TOTAL			100.000

USED PEIF: USER

08-OCT-04 17:16:38 SUPER QUANT
RATE= 299CPS TIME= 91LSEC
FS= 687/ 687 PRST= 200LSEC
A =04117-08 23/2 15154



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.127	Si+4	8.0000	8.0000							
Al2O3	1.519	Al+3	0.2524	0.0000	**0.2524**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.574	Fe+3	0.0151			0.0151	0.0000				
MgO	14.234	Mg+2	2.9798			2.9798	**0.0000**				
MnO	0.406	Fe+2	1.5780			1.5780	**0.0000**				
CaO	13.141	Mn+2	0.0501			0.0501	**0.0000**				
Na2O	0	Ca+2	1.9771					1.9771	0.0000		
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	**0.2524**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8754**		**1.9771**		**0.0000**	**0.0000**
			%Fill	**100**		**97.508**		**98.8537**			

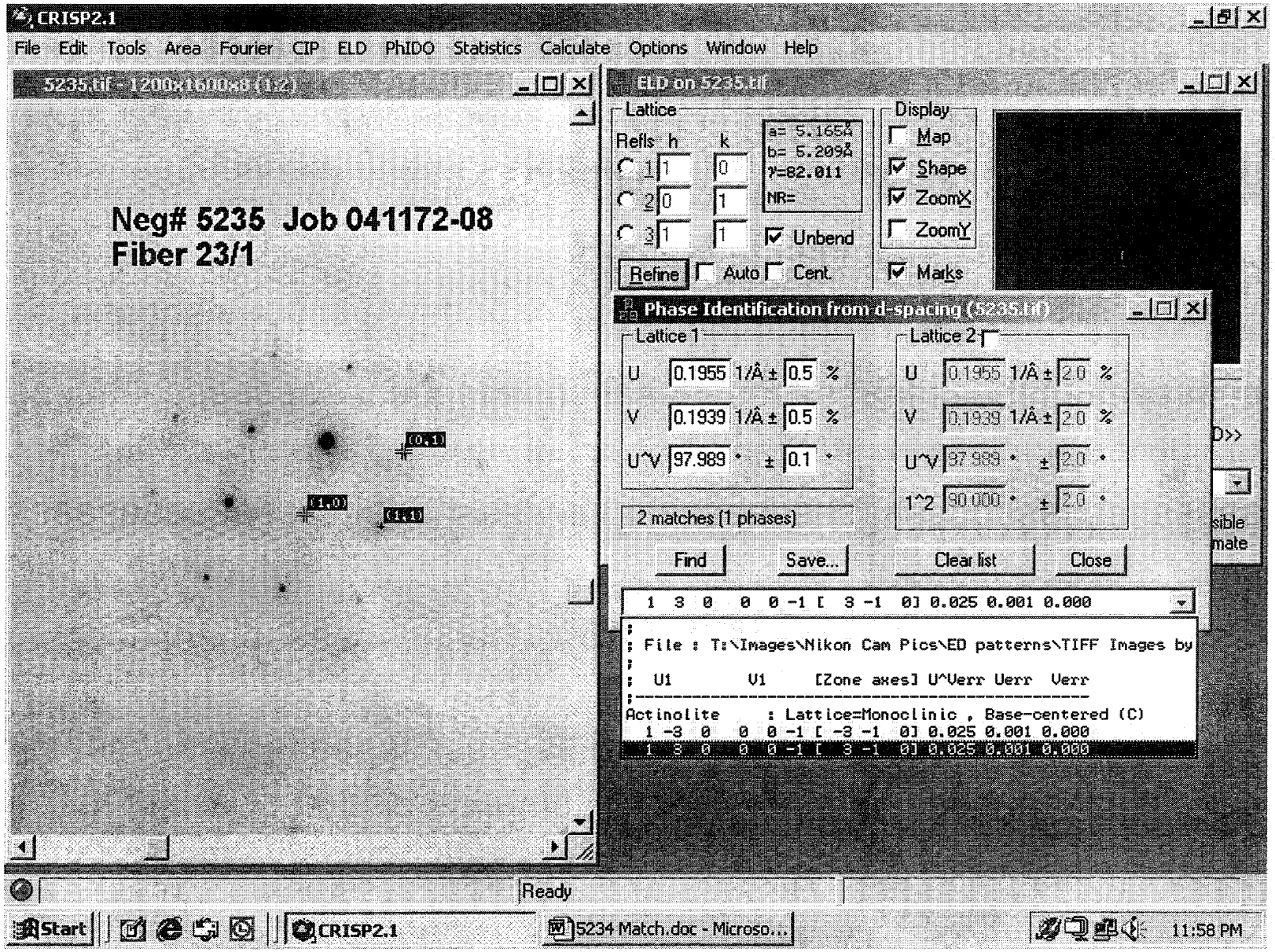
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-08-15154**

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	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.65	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 1 0]



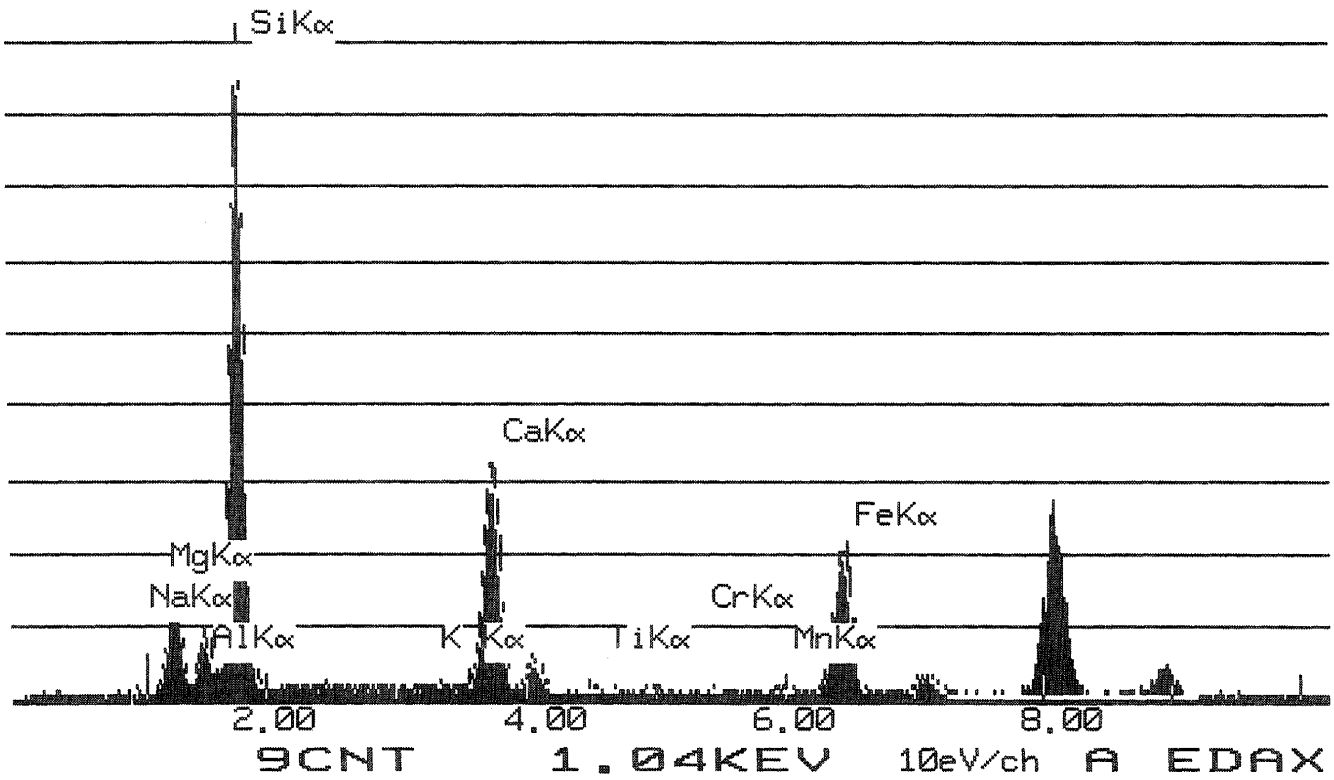
INTE-% :
LABEL = 041172-08 23/1 15155
09-OCT-72 19:01:11
45.022 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	25.365	8.071	13.382
ALK	9.773	1.868	3.529
SIK	143.263	25.637	54.847
CAK	58.171	9.925	13.887
TIK	1.022	0.246	0.410
MNK	0.600	0.148	0.191
FEK	42.446	9.620	13.755

TOTAL			100.000

USED PEIF: USER

08-OCT-04 19:02:01 SUPER QUANT
RATE= 569CPS TIME= 45LSEC
FS= 715/ 715 PRST= 200LSEC
A =041172-08 23/1 15155



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.847	Si+4	7.7353	7.7353							
Al2O3	3.529	Al+3	0.5866	0.2647	**0.3219**						
TiO2	0.41	Ti+4	0.0435	0.0000	**0.0435**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.755	Fe+3	0.0146			0.0146	0.0000				
MgO	13.382	Mg+2	2.8137			2.8137	**0.0000**				
MnO	0.191	Fe+2	1.6059			1.6059	**0.0000**				
CaO	13.887	Mn+2	0.0228			0.0228	**0.0000**				
Na2O	0	Ca+2	2.0982					2.0000	0.0982		
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	**0.3654**	C site	**0.0000**	B site	**0.0982444**	A site	**0**
			Total	**8**		**4.8224**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**100**		**96.4473**		**100**			

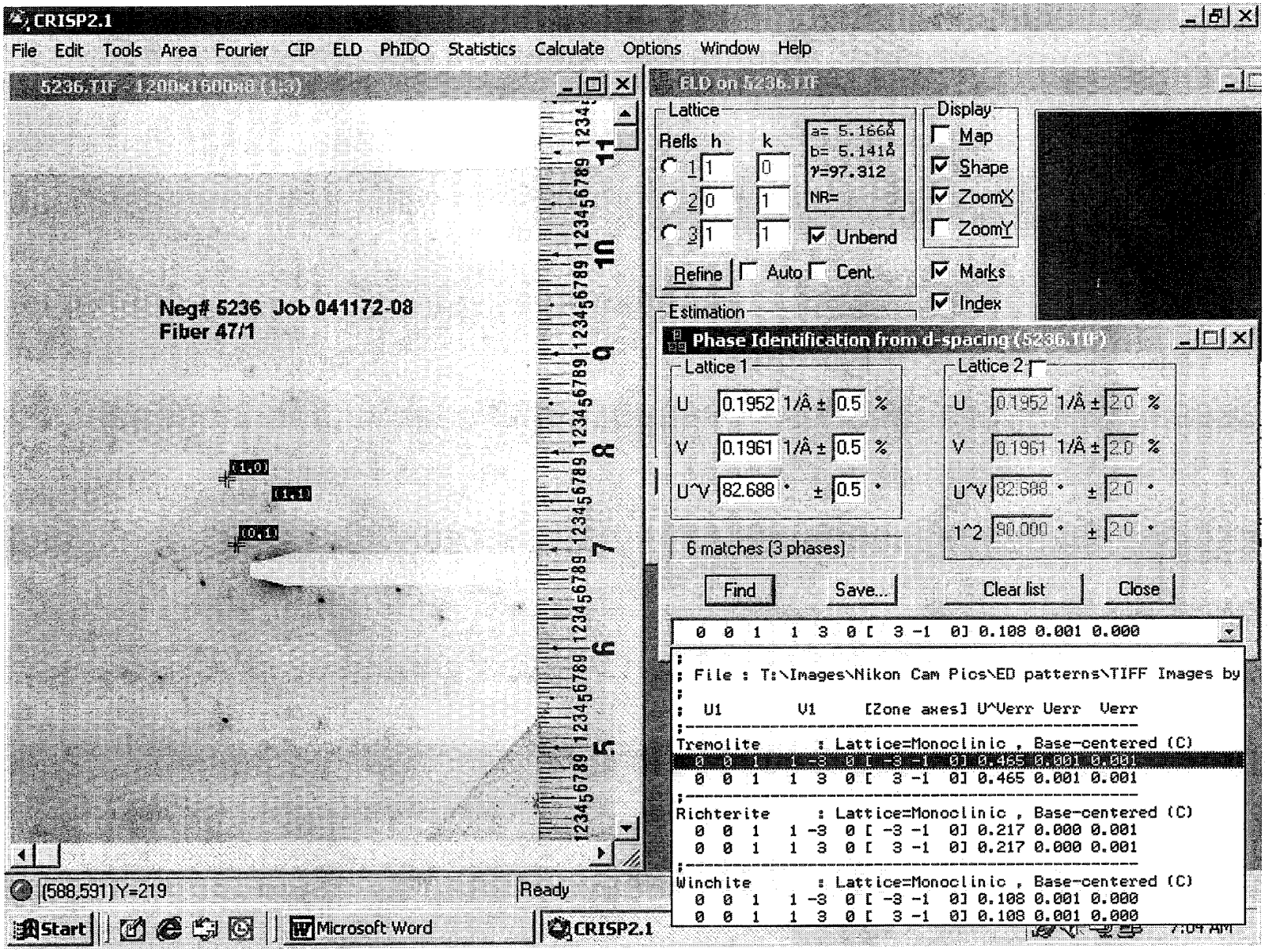
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-08-15155**

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)	0.64	(Mg/(Mg+Fe2))< 0.9
Si	7.74	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[310]



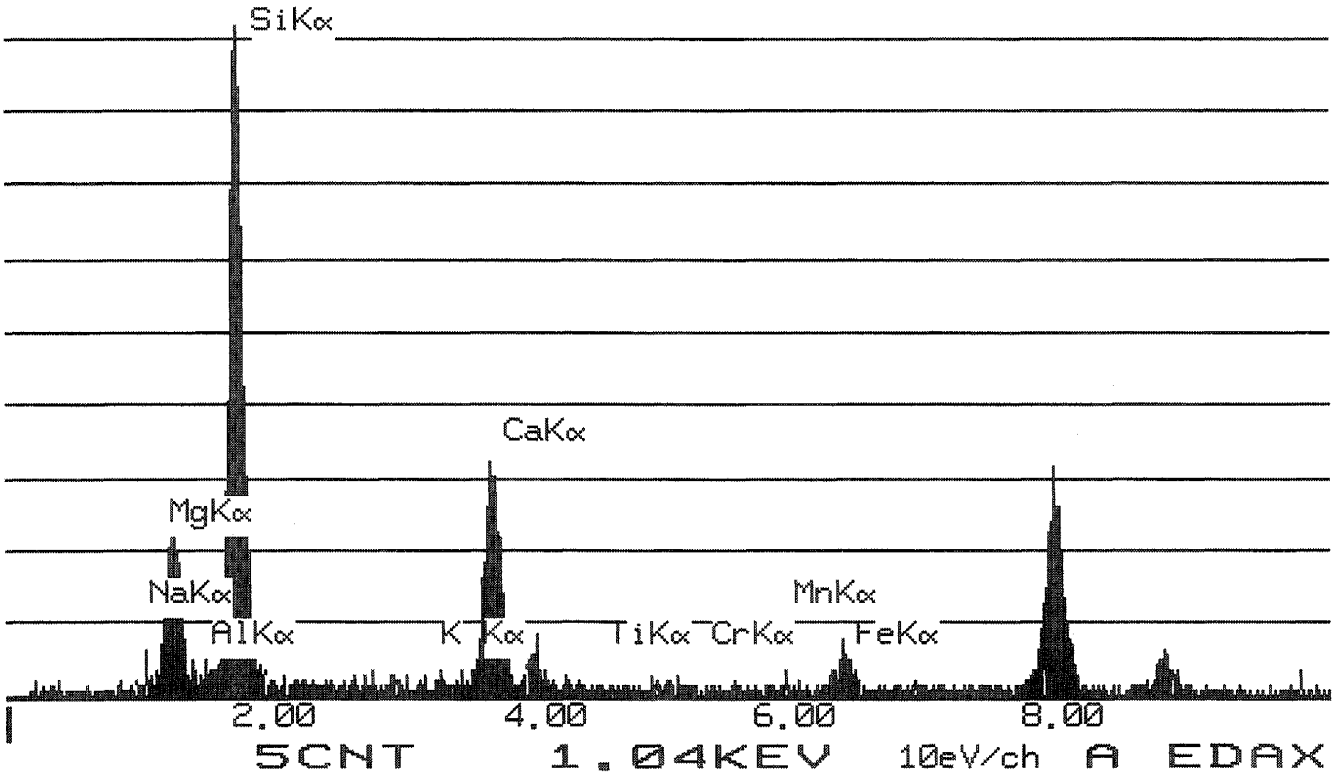
INTE-% :
LABEL =
09-OCT-72 22:22:20
52.106 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.806	1.237	1.668
MGK	18.002	13.043	21.627
ALK	1.324	0.576	1.089
SIK	65.673	26.763	57.255
K K	0.269	0.182	0.219
CAK	25.966	10.089	14.116
TIK	0.192	0.105	0.175
CRK	0.345	0.187	0.273
MNK	0.403	0.226	0.292
FEK	4.452	2.298	3.286

TOTAL			100.000

USED PEIF: USER

08-OCT-04 22:23:48 SUPER QUANT
RATE=10603CPS TIME= 52LSEC
FS= 380/ 380 PRST= 200LSEC
A =041172-08 47/1 15156



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.255	Si+4	7.7853	7.7853							
Al2O3	1.089	Al+3	0.1745	0.1745	0.0000						
TiO2	0.175	Ti+4	0.0179	0.0179	0.0000						
Cr2O3	0.273	Cr+3	0.0293			0.0293	0.0000				
Fe(total)O	3.286	Fe+3	0.0034			0.0034	0.0000				
MgO	21.627	Mg+2	4.3841			4.3841	0.0000				
MnO	0.292	Fe+2	0.3699			0.3699	0.0000				
CaO	14.116	Mn+2	0.0336			0.0336	0.0000				
Na2O	1.668	Ca+2	2.0563					2.0000	0.0563		
K2O	0.219	Na+	0.4397					0.0000	0.4397	0.4397	0.0000
		K+	0.0380							0.0380	0.0000
Total	100		Excess	T site	0.0000	C site	0.0000	B site	0.4960469	A site	0
			Total	7.9777		4.8203		2.0000		0.4777	0.0000
			%Fill	99.721		96.4068		100			

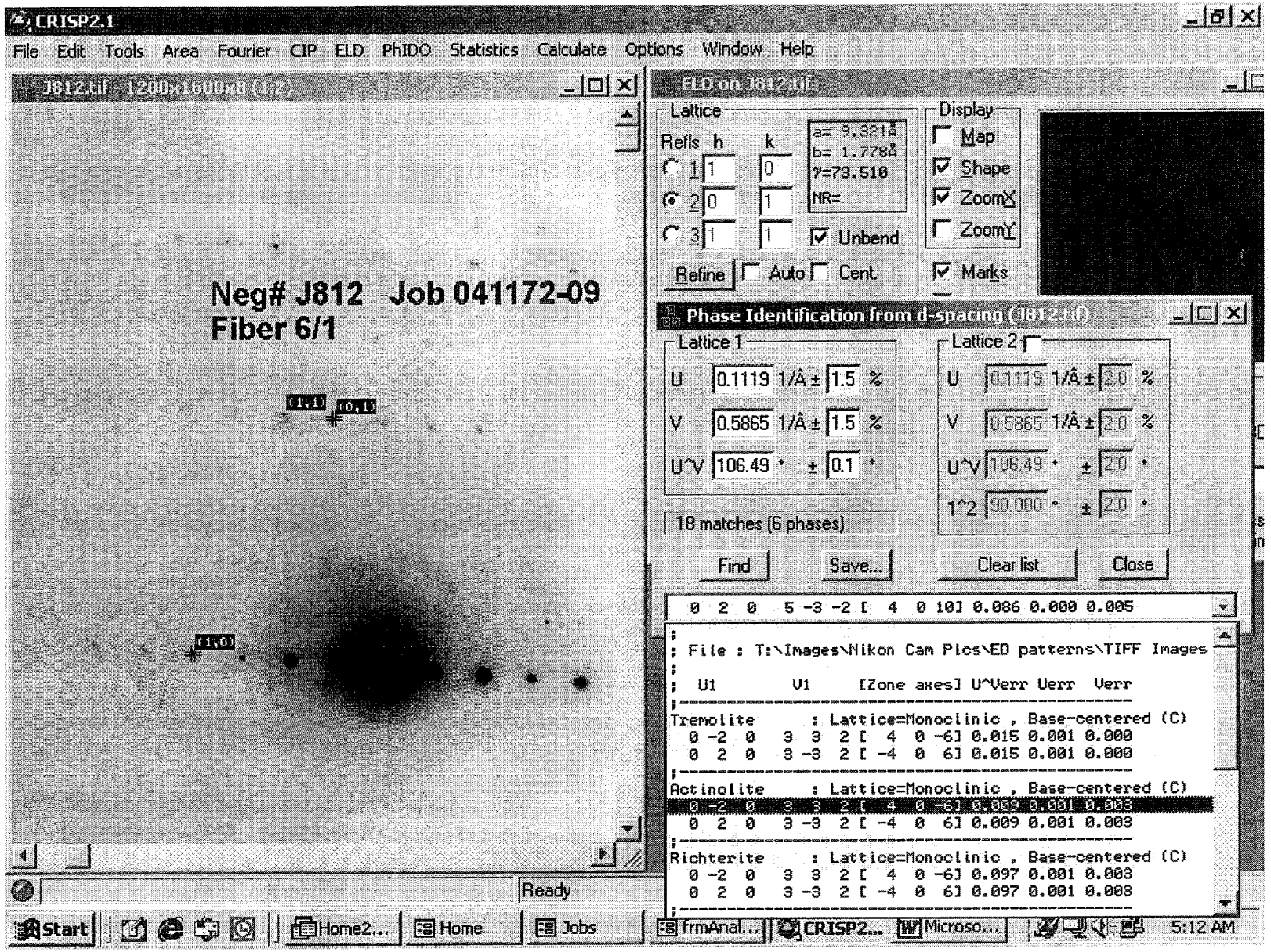
Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

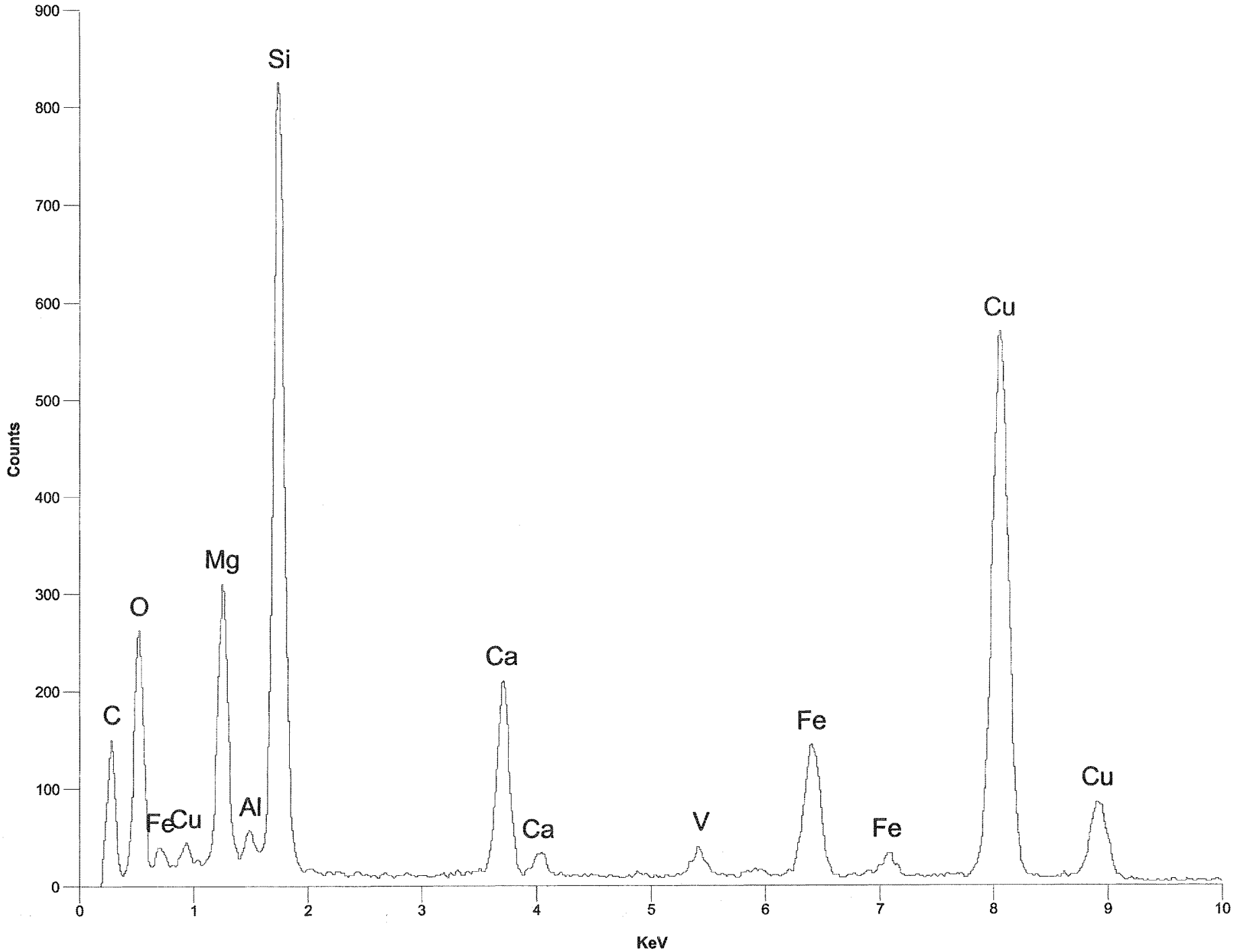
Sample # 041172-08-15156

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	0.48	Si > 7.5
Mg/(Mg+Fe2)	0.92	(Mg/(Mg+Fe2))>= 0.9
Si	7.79	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 -3]





Title: 041172-09 6/1 SP559 Time: 12:00 Date: Jan 1, 1997

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.9	Si+4	7.7210	7.7210							
Al2O3	2.47	Al+3	0.4021	0.2790	0.1231						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.56	Fe+3	0.6906			0.6906	0.0000				
MgO	16.59	Mg+2	3.4161			3.4161	0.0000				
MnO	0	Fe+2	0.7987			0.7702	0.0285				
CaO	11.46	Mn+2	0.0000			0.0000	0.0000				
Na2O	0.01	Ca+2	1.6958					1.6958	0.0000		
K2O	0.08	Na+	0.0027					0.0027	0.0000	0.0000	0.0000
		K+	0.0141							0.0141	0.0000
Total	100.07		Excess	T site	0.1231	C site	0.0285	B site	0	A site	0
			Total	8		5.0000		1.6985		0.0141	0.0000
			%Fill	100		100		84.9229			

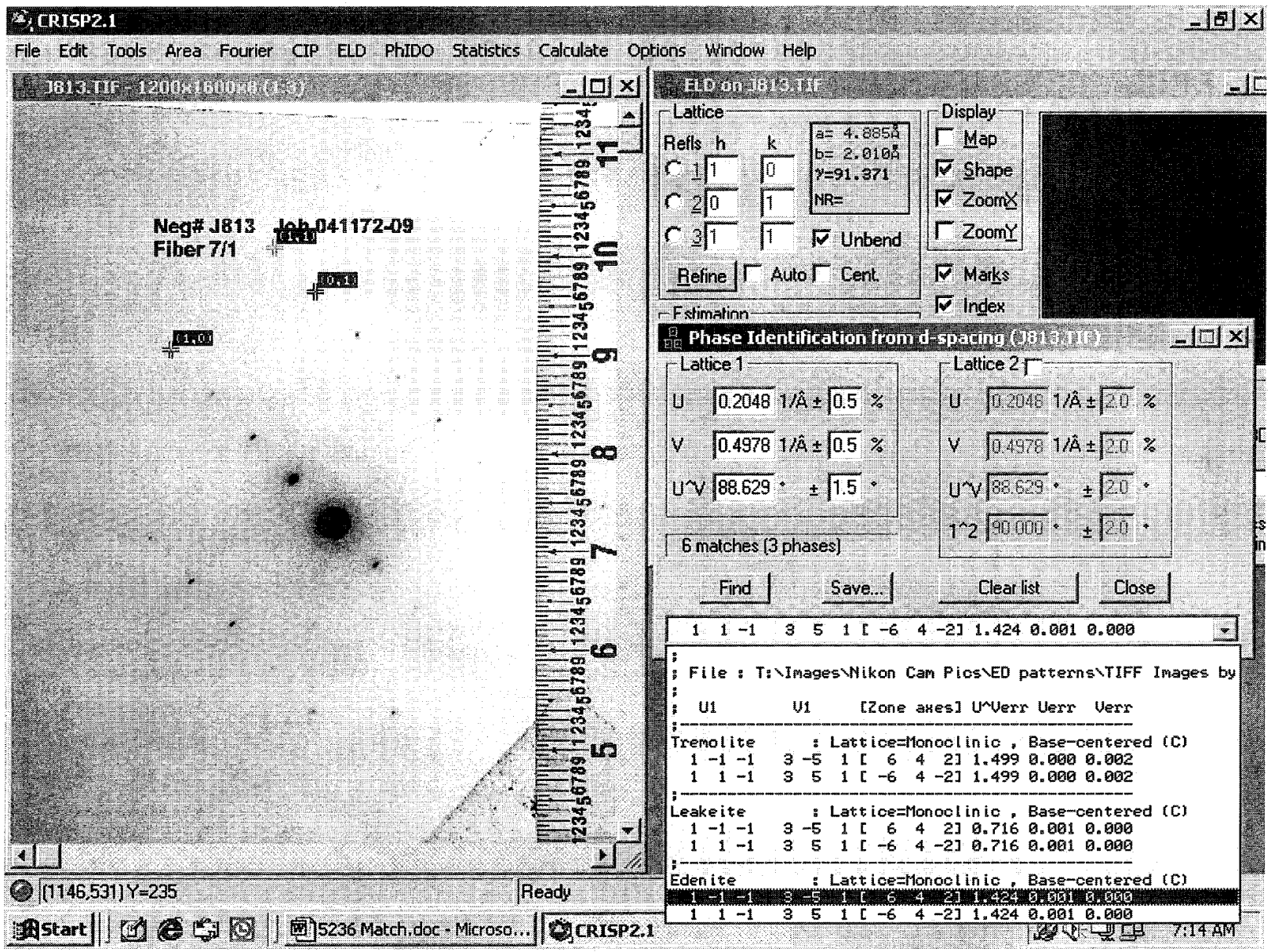
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-09-6-1

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	0.01	Si > 7.5
Mg/(Mg+Fe2)	0.81	(Mg/(Mg+Fe2))< 0.9
Si	7.72	

Mineral Analysis Program (Version 5.0)

EDENITE
[3 2 1]


CRISP2.1
File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help
J813.TIF - 1200x1600x8 (1:3)
Neg# J813 Job 041172-09
Fiber 7/1
ELD on J813.TIF
Lattice
Refls h k
a= 4.885Å
b= 2.010Å
γ=91.371
NR=
Unbend
Refine
Auto
Cent.
Display
Map
Shape
ZoomX
ZoomY
Marks
Index
Estimation
Phase Identification from d-spacing (J813.TIF)
Lattice 1
U 0.2048 1/Å ± 0.5 %
V 0.4978 1/Å ± 0.5 %
U^V 88.629 ° ± 1.5 °
Lattice 2
U 0.2048 1/Å ± 2.0 %
V 0.4978 1/Å ± 2.0 %
U^V 88.629 ° ± 2.0 °
1^2 90.000 ° ± 2.0 °
6 matches (3 phases)
Find
Save...
Clear list
Close
1 1 -1 3 5 1 [-6 4 -2] 1.424 0.001 0.000
; File : T:\Images\Nikon Cam Pics\ED patterns\TIFF Images by
; U1 V1 [Zone axes] U^Verr Uerr Verr
Tremolite : Lattice=Monoclinic , Base-centered (C)
1 -1 -1 3 -5 1 [6 4 2] 1.499 0.000 0.002
1 1 -1 3 5 1 [-6 4 -2] 1.499 0.000 0.002
Leakeite : Lattice=Monoclinic , Base-centered (C)
1 -1 -1 3 -5 1 [6 4 2] 0.716 0.001 0.000
1 1 -1 3 5 1 [-6 4 -2] 0.716 0.001 0.000
Edenite : Lattice=Monoclinic , Base-centered (C)
1 -1 -1 3 -5 1 [6 4 2] 1.424 0.001 0.000
1 1 -1 3 5 1 [-6 4 -2] 1.424 0.001 0.000
[1146,531] Y=235
Ready
Start
5236 Match.doc - Microso...
CRISP2.1
7:14 AM

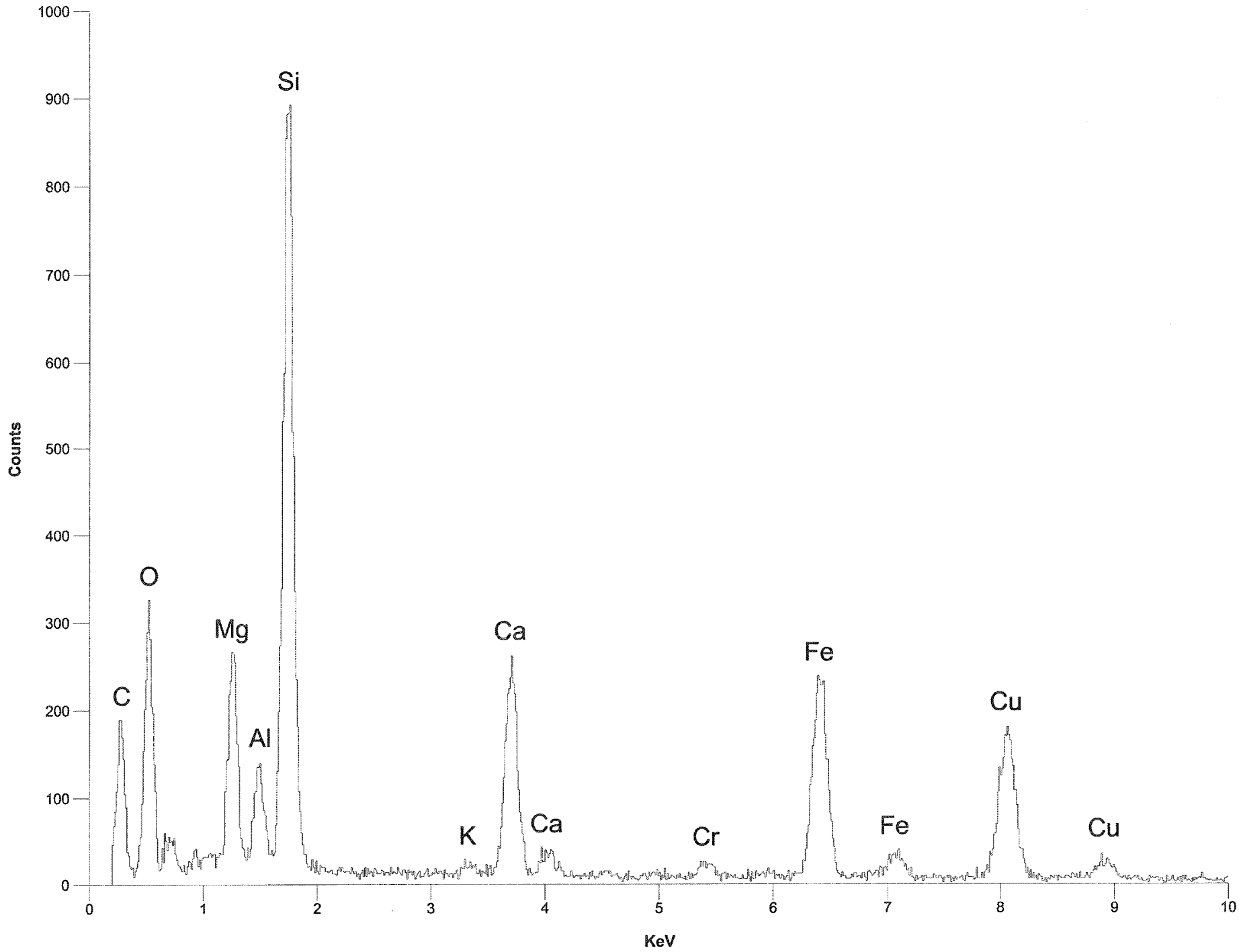
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	47.27	Si+4	6.9010	6.9010							
Al2O3	9.4	Al+3	1.6173	1.0990	0.5183						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.9	Fe+3	0.0186			0.0186	0.0000				
MgO	10.69	Mg+2	2.3266			2.3266	0.0000				
MnO	0	Fe+2	2.0425			2.0425	0.0000				
CaO	11.38	Mn+2	0.0000			0.0000	0.0000				
Na2O	3.91	Ca+2	1.7799					1.7799	0.0000		
K2O	0.45	Na+	1.1067					0.2201	0.8865	0.8865	0.0000
		K+	0.0838							0.0838	0.0000
Total	100		Excess	T site	0.5183	C site	0.0000	B site	0.8865379	A site	0
			Total	8		4.9060		2.0000		0.9703	0.0000
			%Fill	100		98.1191		100			

Prefix	Alumino
Name	edenite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-09-7-1

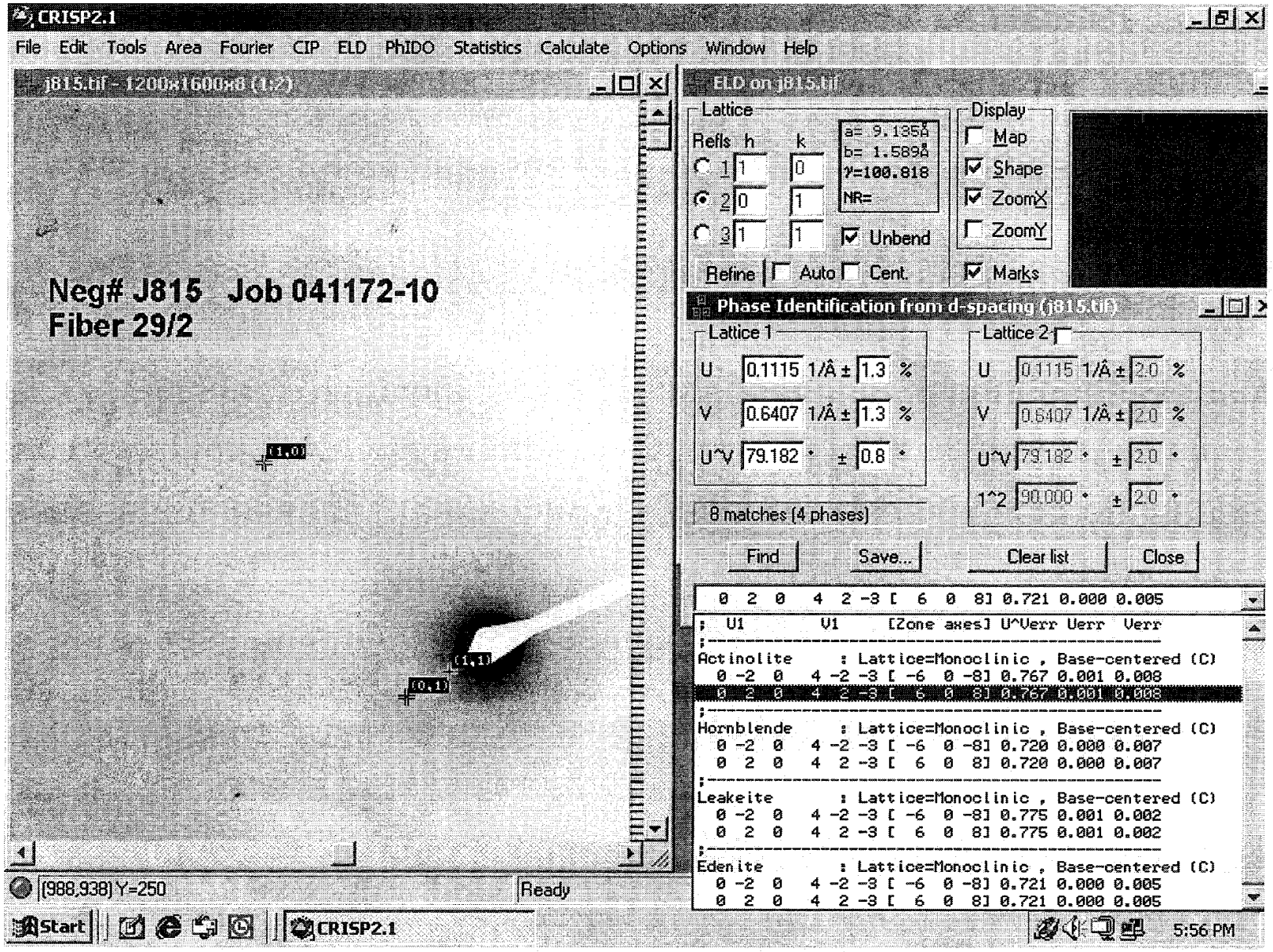
Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.22	Ca@B >= 1.5 and (Na,K)@A >= 0.5
Ca@B	1.78	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.97	Si > 6.5
Mg/(Mg+Fe2)	0.53	
Si	6.90	

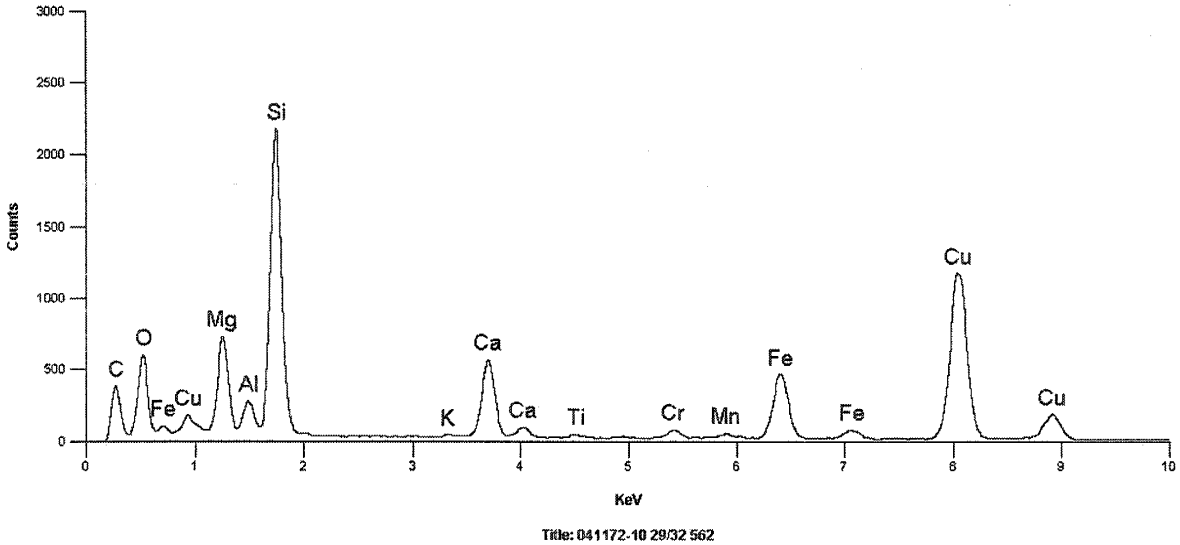
Mineral Analysis Program (Version 5.0)



Title: 041172-09 7/1 SP560

ACTINOLITE
[3 0 4]





Quantitative Analysis Results - Standardless Analysis :
Spectrum2 041172-10 29/32 562 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 171.25
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	25.67	MgO	33.16	0.12	18.34
Al	2.88	Al2O3	4.71	0.04	2.60
Si	51.01	SiO2	98.21	0.20	54.32
K	0.27	K2O	0.41	0.02	0.23
Ca	9.53	CaO	17.13	0.08	9.47
Fe	10.63	Fe2O3	27.20	0.15	15.04
<Total>	100.00		180.81		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.32	Si+4	7.5444	7.5444							
Al2O3	2.6	Al+3	0.4256	0.4256	**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	15.04	Fe+3	0.7702			0.7702	0.0000				
MgO	18.34	Mg+2	3.7974			3.7974	**0.0000**				
MnO	0	Fe+2	0.8908			0.4324	**0.4584**				
CaO	9.47	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.4091					1.4091	0.0000		
K2O	0.23	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0407							0.0407	0.0000
Total	**100**		**Excess**	T site	**0.0000**	C site	**0.4584**	B site	**0**	A site	**0**
			Total	**7.9699**		**5.0000**		**1.4091**		**0.0407**	**0.0000**
			%Fill	**99.624**		**100**		**70.4538**			

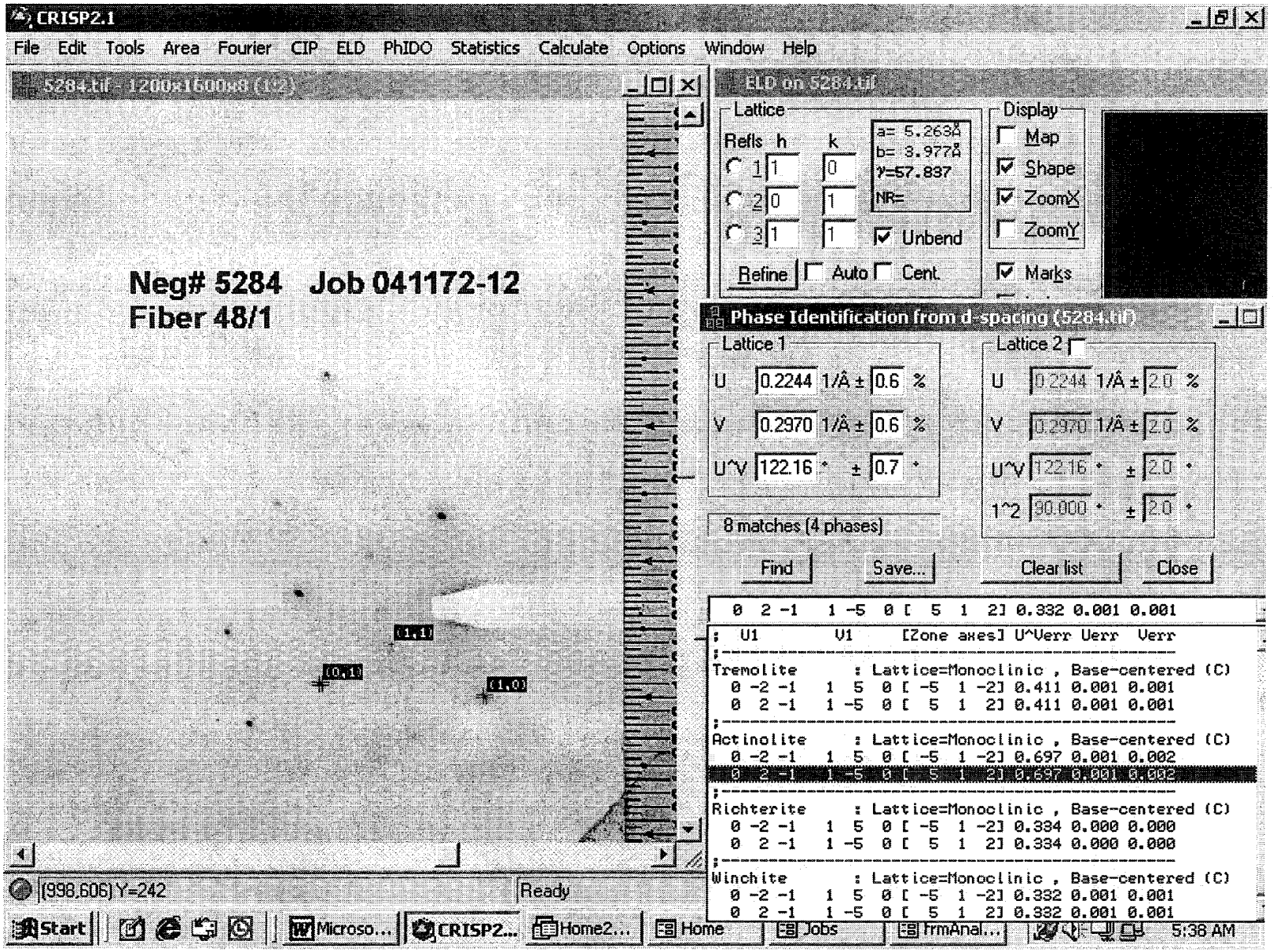
Prefix none
Name probable actinolite Ca values below optimal levels
Modifier Ferrian
Group Calcic Amphibole

Sample # **041172-10-29**

Values		Satisfied Conditions
(Ca,Na)@B	1.41	(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	1.41	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.81	(Mg/(Mg+Fe2))< 0.9
Si	7.54	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 2]



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	51.62	Si+4	7.5301	7.5301							
Al2O3	0.85	Al+3	0.1461	0.1461	**0.0000**						
TiO2	0.612	Ti+4	0.0671	0.0671	**0.0000**						
Cr2O3	0.352	Cr+3	0.0406			0.0406	0.0000				
Fe(total)O	16.499	Fe+3	0.0181			0.0181	0.0000				
MgO	13.93	Mg+2	3.0294			3.0294	**0.0000**				
MnO	1.1	Fe+2	1.9924			1.9119	**0.0805**				
CaO	14.888	Mn+2	0.1359			0.0000	**0.1359**				
Na2O	0	Ca+2	2.3267					1.7836	0.5431		
K2O	0.149	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0277							0.0277	0.0000
Total	100		Excess	T site	**0.0000**	C site	**0.2164**	B site	**0.5431211**	A site	**0**
			Total	7.7434		5.0000		1.7836		0.0277	0.0000
			%Fill	96.792		100		89.179			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-12-15199

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	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.60	(Mg/(Mg+Fe2))< 0.9
Si	7.53	

Mineral Analysis Program (Version 5.0)

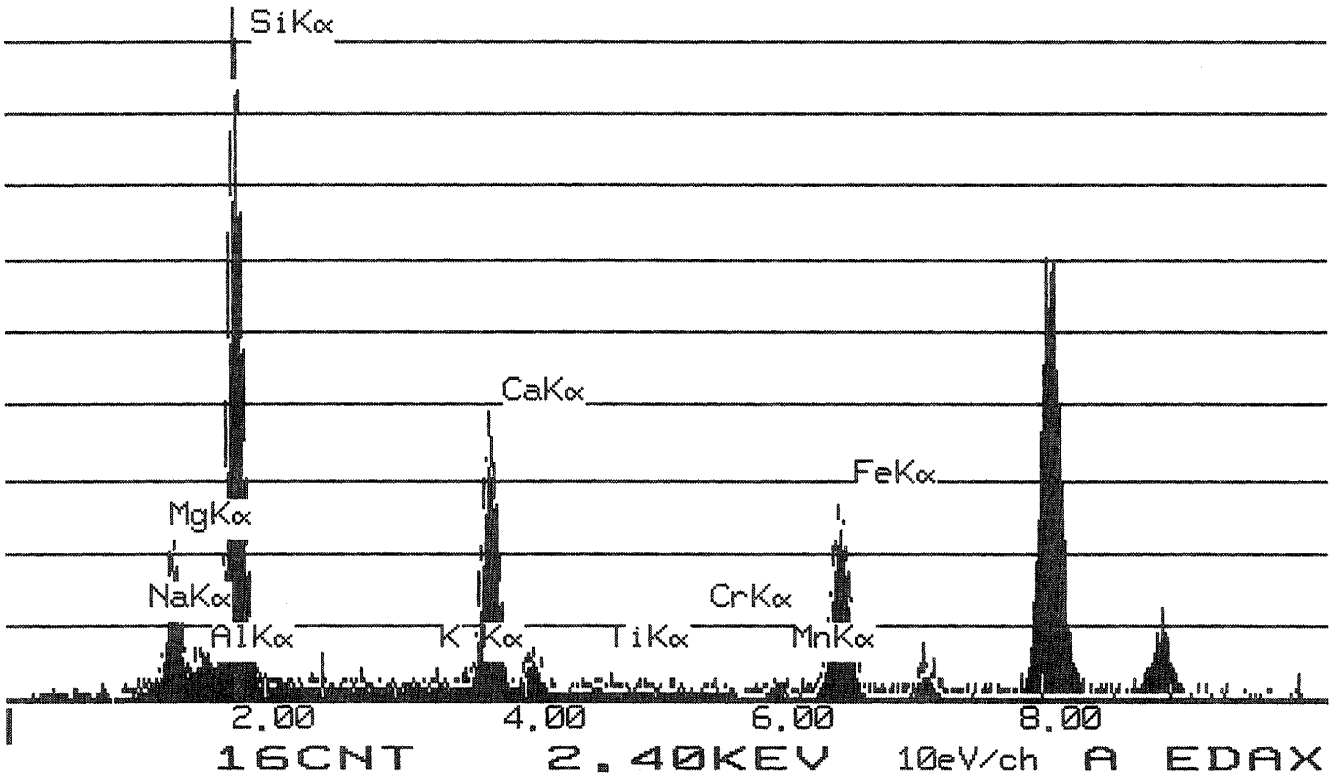
INTE-% :
LABEL = 041172-12 48/1 15199
23-NOV-72 02:25:51
56.111 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	10.194	8.401	13.930
ALK	0.909	0.450	0.850
SIK	52.057	24.129	51.620
K K	0.160	0.124	0.149
CAK	24.077	10.640	14.888
TIK	0.588	0.367	0.612
CRK	0.392	0.241	0.352
MNK	1.337	0.852	1.100
FEK	19.657	11.540	16.499

TOTAL			100.000

USED PEIF: USER

22-NOV-04 02:26:40 SUPER QUANT
RATE= 15CPS TIME= 56LSEC
FS= 330/ 330 PRST= 200LSEC
A =041172-12 48/1 15199



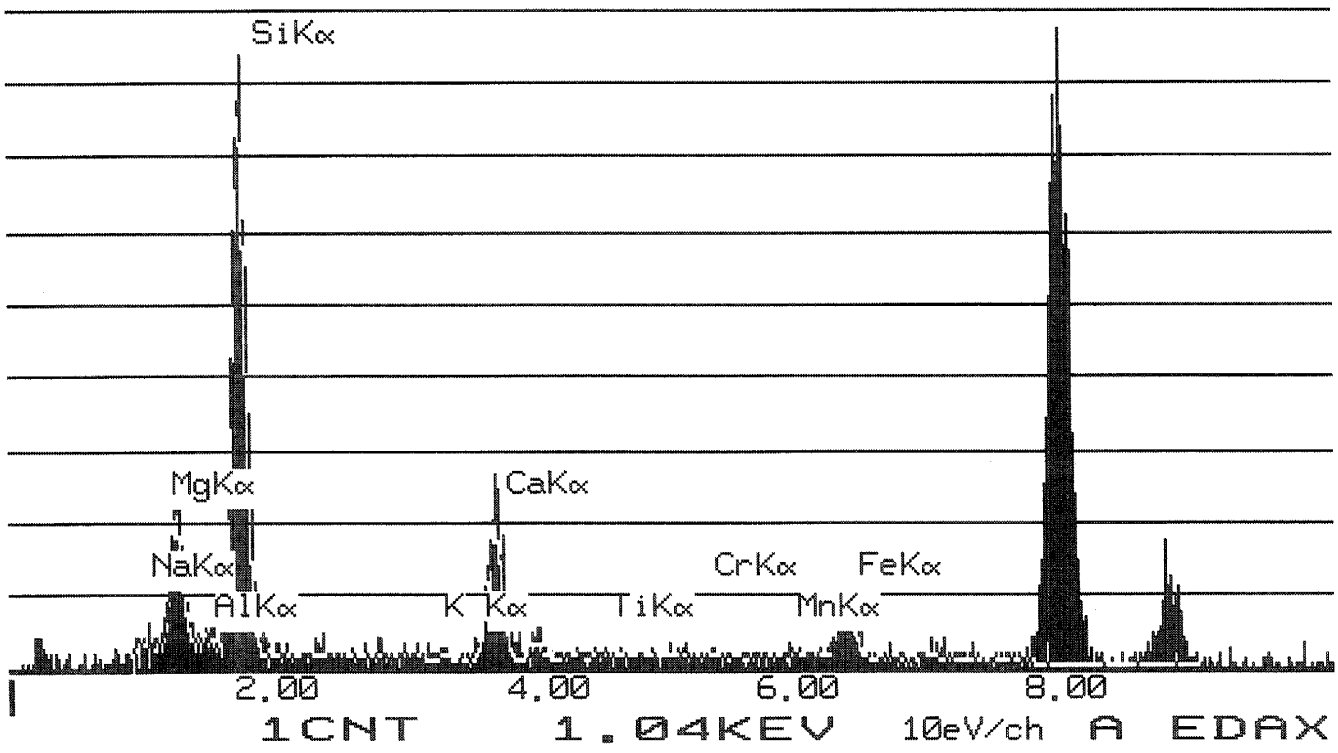
INTE-% :
LABEL = 041172-12 19/1 15159
10-OCT-72 09:16:46
100.046 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	3.478	11.588	19.215
ALK	0.240	0.480	0.907
SIK	15.333	28.730	61.463
K K	0.190	0.591	0.712
CAK	4.438	7.928	11.093
TIK	0.080	0.202	0.336
FEK	1.849	4.388	6.274

TOTAL			100.000

USED PEIF: USER

09-OCT-04 09:17:17 SUPER QUANT
RATE= 113CPS TIME= 100LSEC
FS= 198/ 198 PRST= 200LSEC
A =041172-12 19/1 15159



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.463	Si+4	8.0000	8.0000							
Al2O3	0.907	Al+3	0.1649	0.0000	**0.1649**						
TiO2	0.336	Ti+4	0.0611	0.0000	**0.0611**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	6.274	Fe+3	0.0200			0.0200	0.0000				
MgO	19.215	Mg+2	3.9005			3.9005	**0.0000**				
MnO	0	Fe+2	0.7277			0.7277	**0.0000**				
CaO	11.093	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6346					1.6346	0.0000		
K2O	0.712	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1450							0.1450	0.0000
Total	**100**		**Excess**	T site	**0.2260**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8742**		**1.6346**		**0.1450**	**0.0000**
			%Fill	**100**		**97.4831**		**81.7287**			

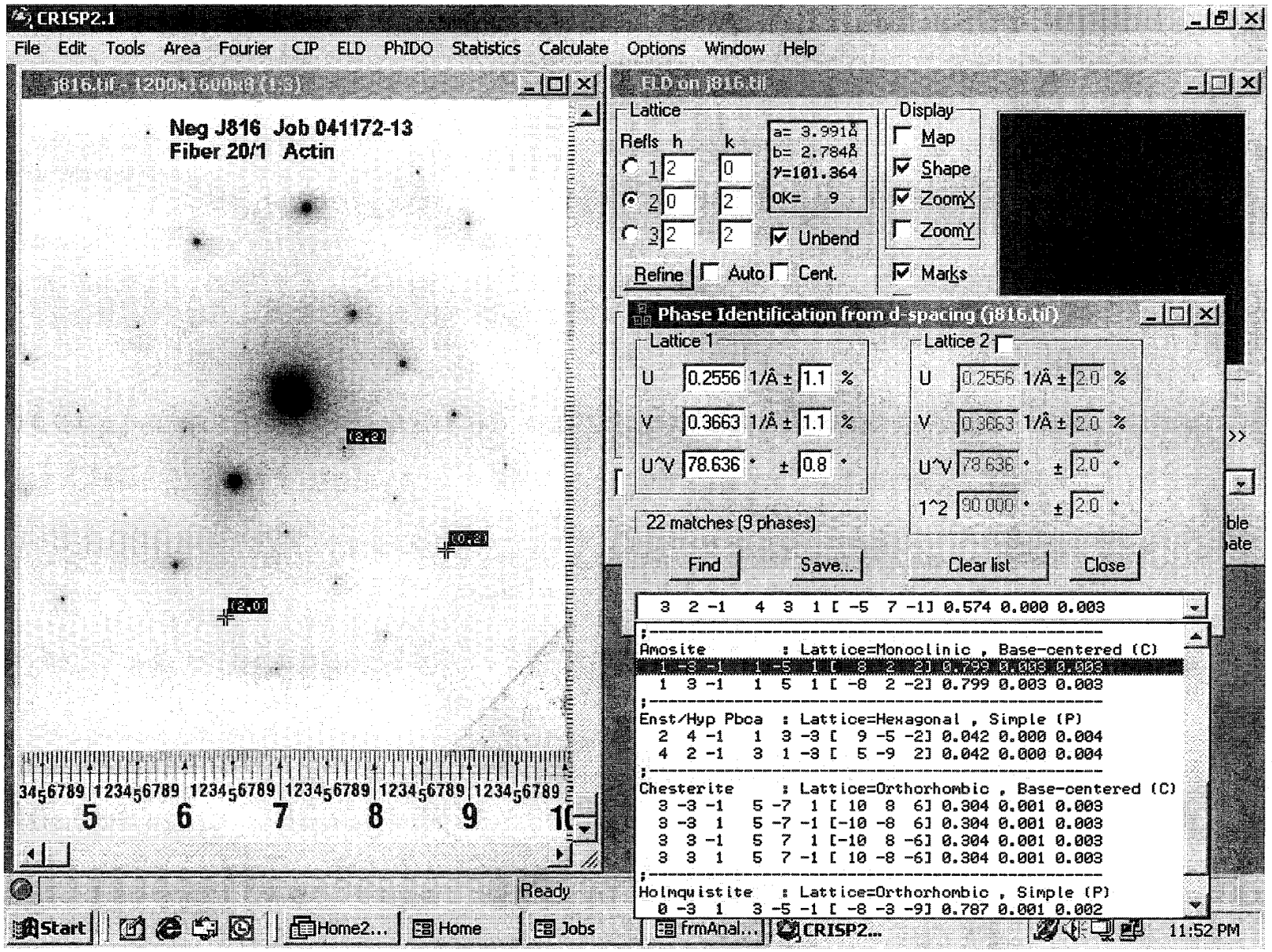
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

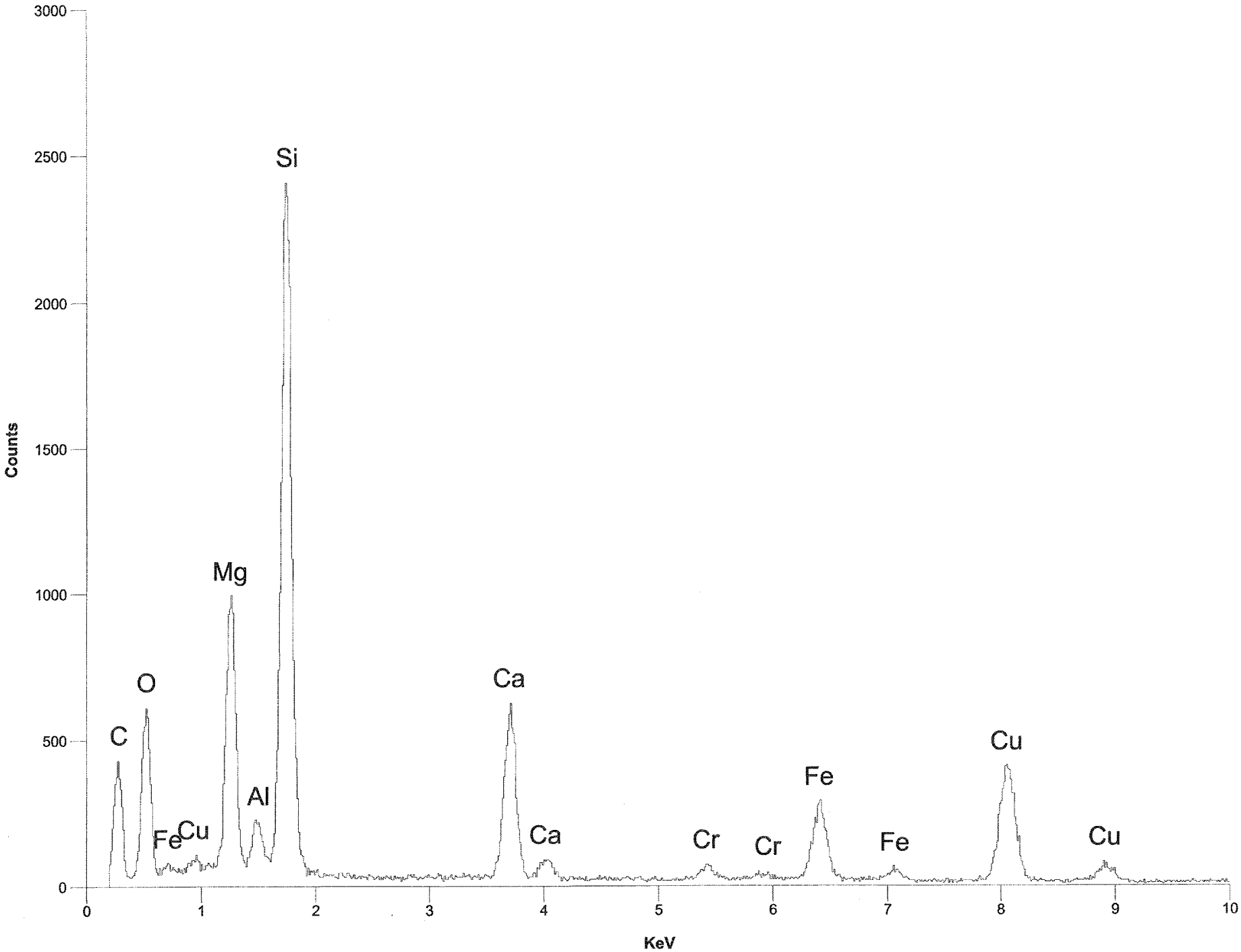
Sample # **041172-12-15159**

Values		Satisfied Conditions
(Ca,Na)@B	1.63	(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	1.63	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.15	Si > 7.5
Mg/(Mg+Fe2)	0.84	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[4 1 1]





Title: 041172-~~40 29/32 562~~ 13-20 563

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.36	Si+4	7.6332	7.6332							
Al2O3	5.1	Al+3	0.8140	0.3668	**0.4472**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.07	Fe+3	0.3619			0.3619	0.0000				
MgO	18.32	Mg+2	3.6990			3.6990	**0.0000**				
MnO	0	Fe+2	0.5118			0.4920	**0.0198**				
CaO	12.07	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7513					1.7513	0.0000		
K2O	0.09	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0155							0.0155	0.0000
Total	**100.01**		**Excess**	T site	**0.4472**	C site	**0.0198**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.7513**		**0.0155**	**0.0000**
			%Fill	**100**		**100**		**87.5654**			

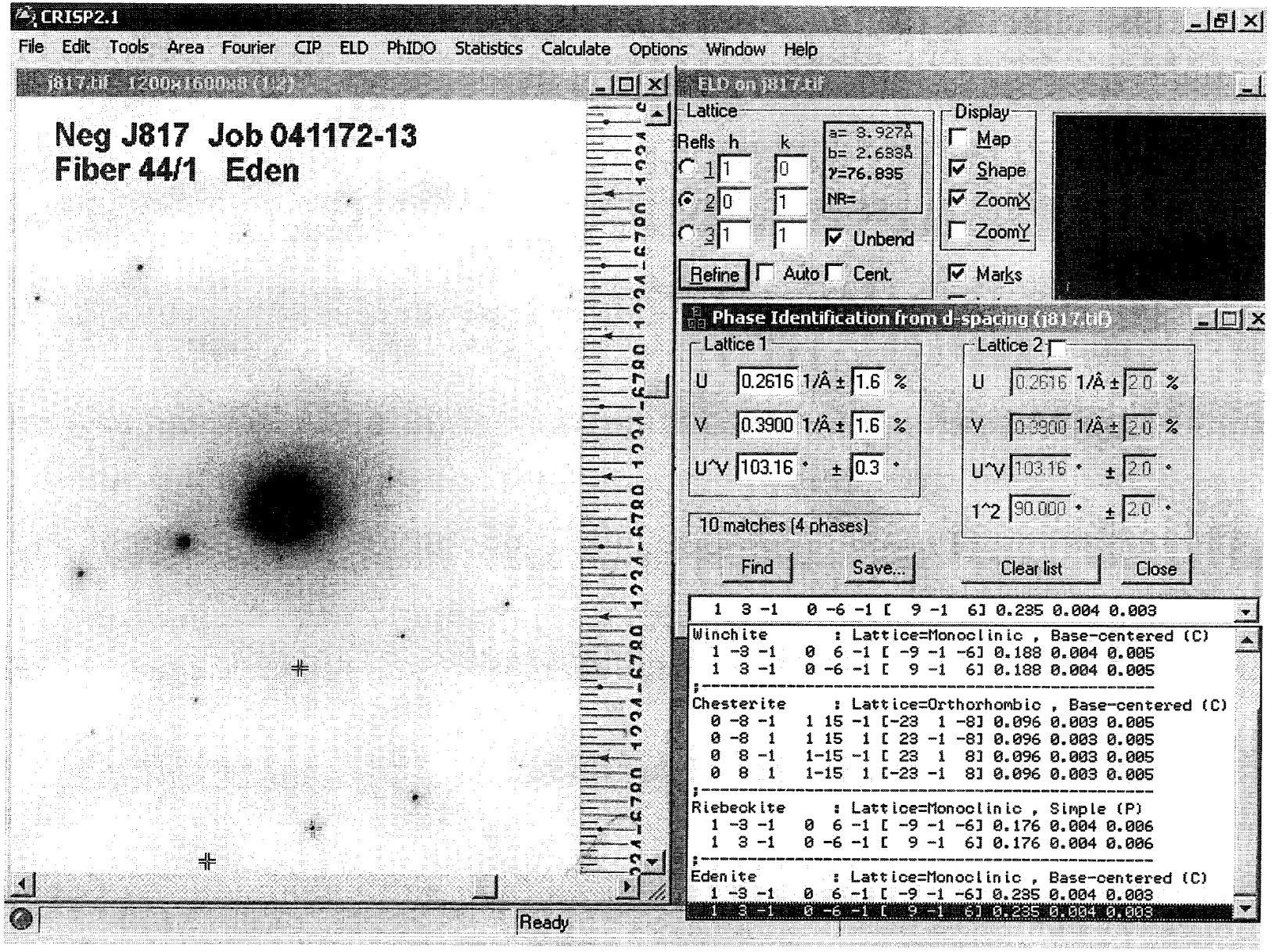
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

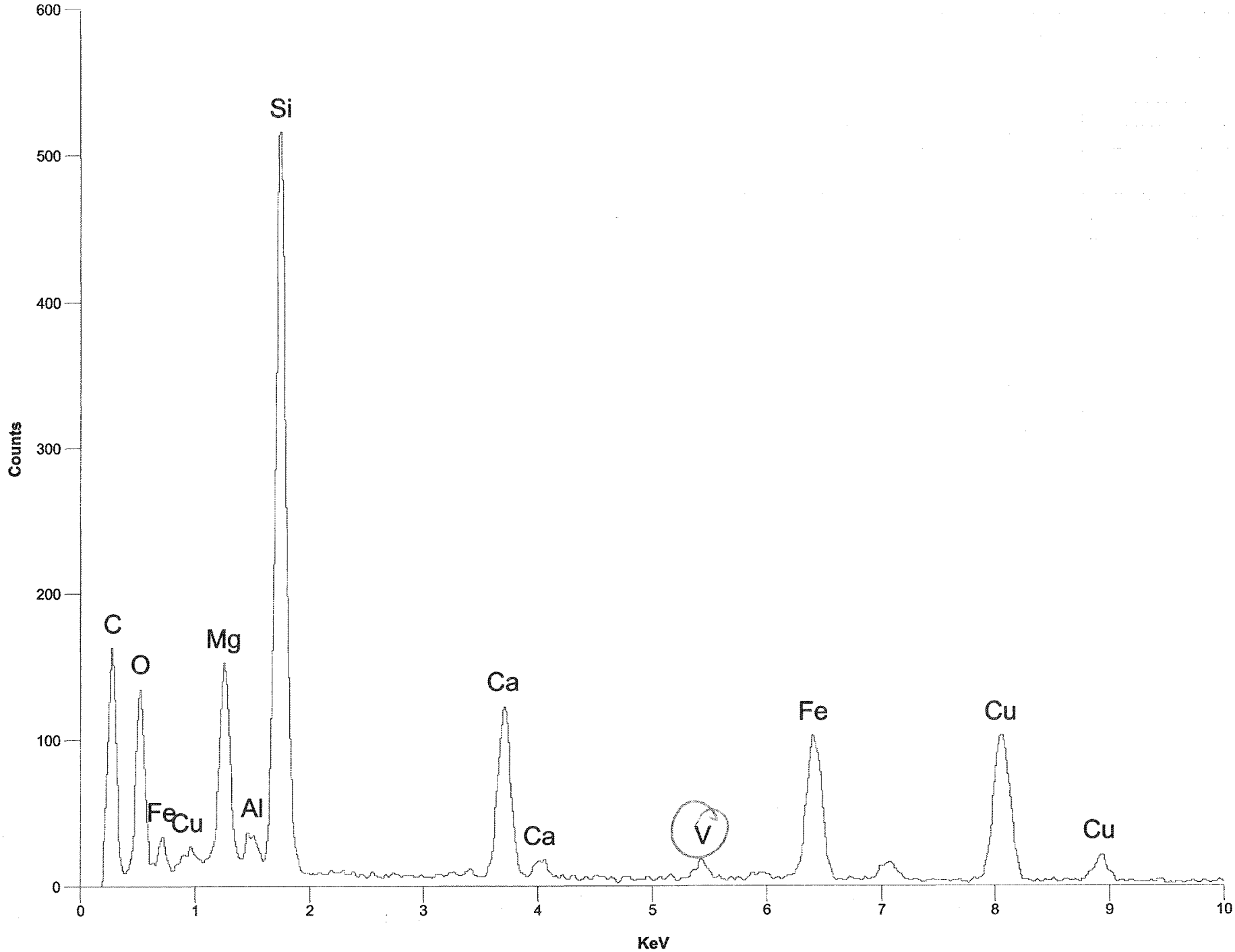
Sample # 041172-13-20-1

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)	0.88	(Mg/(Mg+Fe2))< 0.9
Si	7.63	

Mineral Analysis Program (Version 5.0)

EDENITE
[9 -1 6]


CRISP2.1
File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help
Neg J817 Job 041172-13
Fiber 44/1 Eden
ELD on j817.tif
Lattice
Refls h k
1 1 0
2 0 1
3 1 1
a= 3.927Å
b= 2.688Å
γ=76.835
NR=
Unbend
Refine
Auto
Cent
Display
Map
Shape
ZoomX
ZoomY
Marks
Phase Identification from d-spacing (j817.tif)
Lattice 1
U 0.2616 1/Å ± 1.6 %
V 0.3900 1/Å ± 1.6 %
U^V 103.16 ° ± 0.3 °
Lattice 2
U 0.2616 1/Å ± 2.0 %
V 0.3900 1/Å ± 2.0 %
U^V 103.16 ° ± 2.0 °
1^2 90.000 ° ± 2.0 °
10 matches (4 phases)
Find
Save...
Clear list
Close
1 3 -1 0 -6 -1 [9 -1 6] 0.235 0.004 0.003
Winchite : Lattice=Monoclinic , Base-centered (C)
1 -3 -1 0 6 -1 [-9 -1 -6] 0.188 0.004 0.005
1 3 -1 0 -6 -1 [9 -1 6] 0.188 0.004 0.005
Chesterite : Lattice=Orthorhombic , Base-centered (C)
0 -8 -1 1 15 -1 [-23 1 -8] 0.096 0.003 0.005
0 -8 1 1 15 1 [23 -1 -8] 0.096 0.003 0.005
0 8 -1 1-15 -1 [23 1 8] 0.096 0.003 0.005
0 8 1 1-15 1 [-23 -1 8] 0.096 0.003 0.005
Riebeckite : Lattice=Monoclinic , Simple (P)
1 -3 -1 0 6 -1 [-9 -1 -6] 0.176 0.004 0.006
1 3 -1 0 -6 -1 [9 -1 6] 0.176 0.004 0.006
Edenite : Lattice=Monoclinic , Base-centered (C)
1 -3 -1 0 6 -1 [-9 -1 -6] 0.235 0.004 0.003
1 3 -1 0 -6 -1 [9 -1 6] 0.235 0.004 0.003
Ready



Title: 0-1172-13 44/1 56 Time: 12:00 Date: Jan 1, 1997

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.62	Si+4	7.5231	7.5231							
Al2O3	5.16	Al+3	0.8694	0.4769	**0.3925**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.18	Fe+3	0.0153			0.0153	0.0000				
MgO	12.35	Mg+2	2.6323			2.6323	**0.0000**				
MnO	0	Fe+2	1.6783			1.6783	**0.0000**				
CaO	11.29	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	3.92	Ca+2	1.7293					1.7293	0.0000		
K2O	0.48	Na+	1.0865					0.2707	**0.8158**	0.8158	0.0000
		K+	0.0875							0.0875	0.0000
Total	100		Excess	T site	**0.3925**	C site	**0.0000**	B site	**0.8157832**	A site	**0**
			Total	8		4.7183		2.0000		0.9033	0.0000
			%Fill	100		94.3661		100			

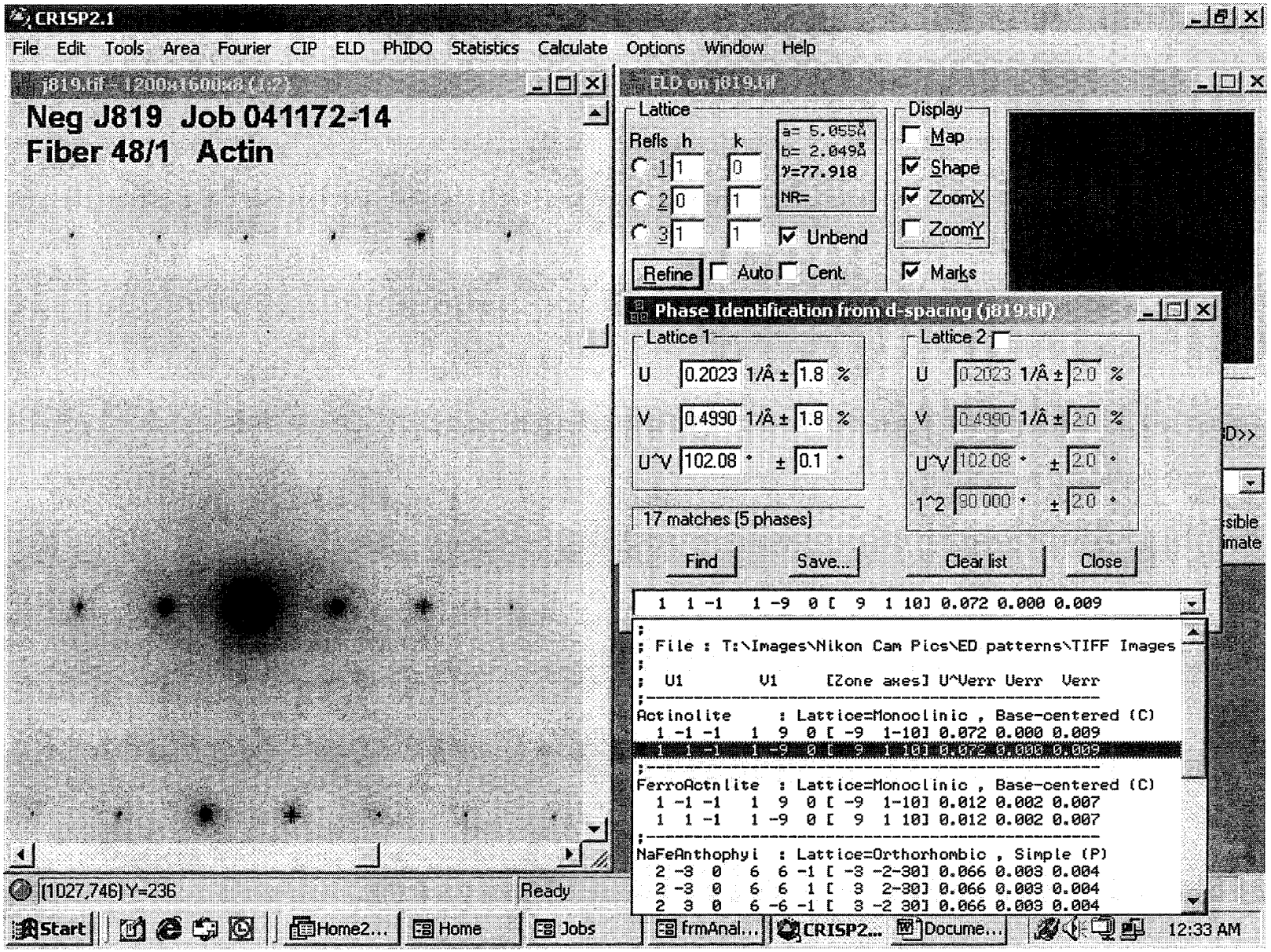
Prefix	none
Name	edenite
Modifier	none
Group	Calcic Amphibole

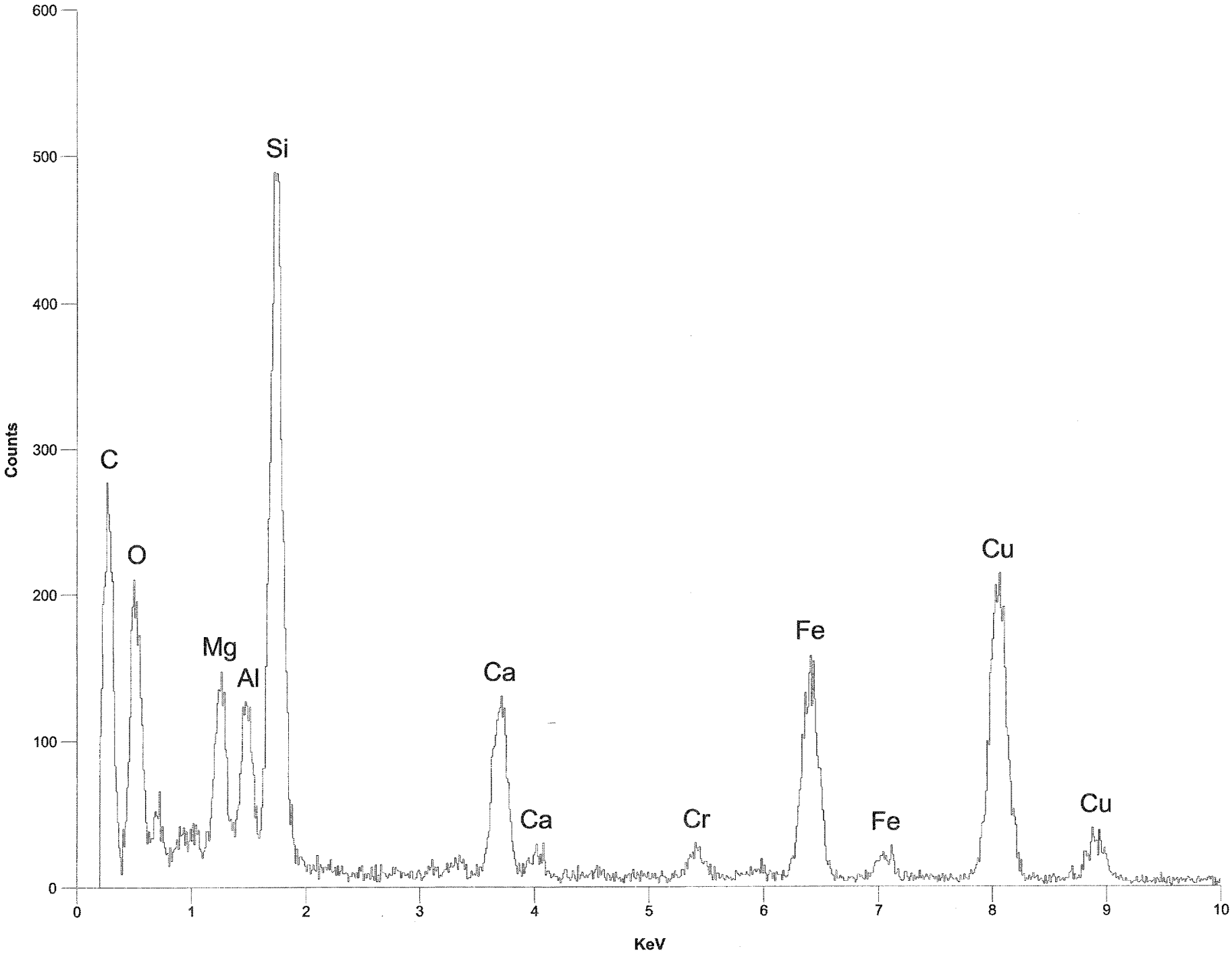
Sample # 041172-13-44-1

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.27	Ca@B >= 1.5 and (Na,K)@A >= 0.5
Ca@B	1.73	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.90	Si > 6.5
Mg/(Mg+Fe2)	0.61	
Si	7.52	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[9 1 10]





Title: 1172-15 15/1

Title: 041172-~~15 15/1~~ SP 566

W-48

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.16	Si+4	7.6542	7.6542							
Al2O3	4.03	Al+3	0.6473	0.3458	**0.3016**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.45	Fe+3	0.5251			0.5251	0.0000				
MgO	18.14	Mg+2	3.6858			3.6858	**0.0000**				
MnO	0	Fe+2	0.6074			0.4875	**0.1199**				
CaO	11.22	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.01	Ca+2	1.6383					1.6383	0.0000		
K2O	0	Na+	0.0026					0.0026	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100.01**		**Excess**	T site	**0.3016**	C site	**0.1199**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6409**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**82.0465**			

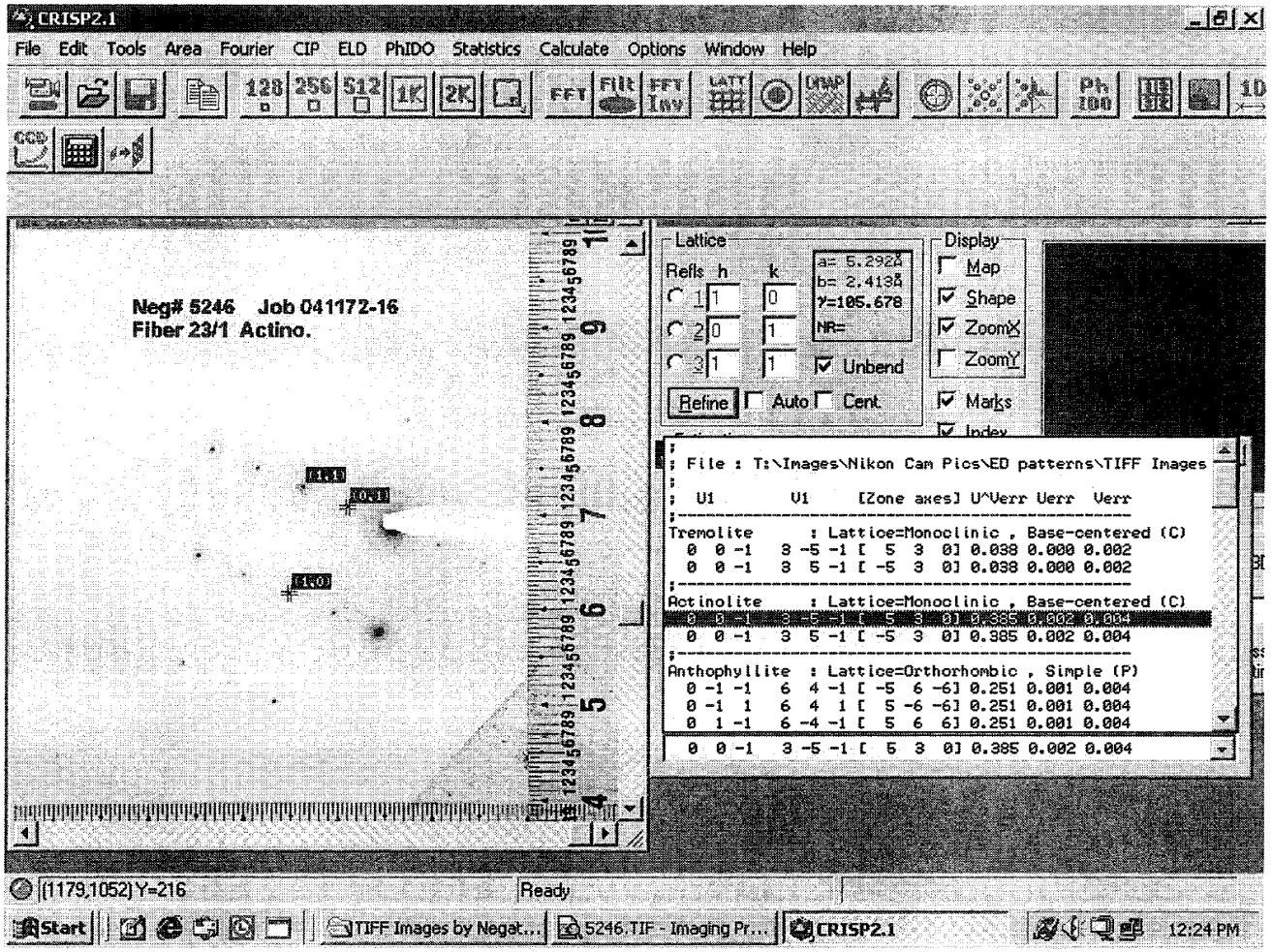
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041172-14-48-1

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)	0.86	(Mg/(Mg+Fe2))< 0.9
Si	7.65	

Mineral Analysis Program (Version 5.0)

Actinolite
[5 3 0]



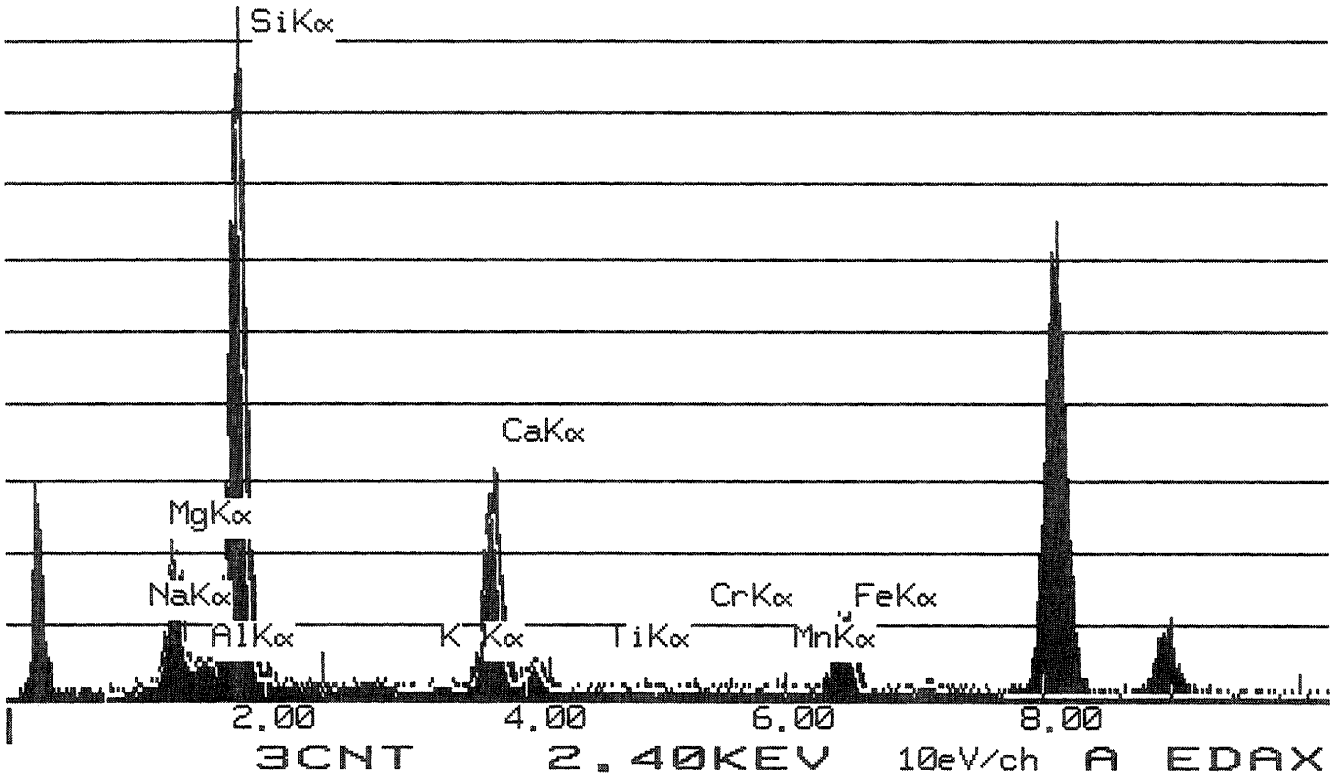
INTE-% :
LABEL = 041172-16 23/1 15163
23-NOV-72 01:54:55
90.657 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	8.328	10.907	18.086
ALK	0.408	0.321	0.607
SIK	36.677	27.017	57.798
K K	0.364	0.446	0.537
CAK	13.832	9.715	13.593
MNK	0.298	0.302	0.390
FEK	6.740	6.288	8.990

TOTAL			100.000

USED PEIF: USER

22-NOV-04 01:55:17 SUPER QUANT
RATE= 8CPS TIME= 90LSEC
FS= 394/ 394 PRST= 200LSEC
A =041172-16 23/1 15163



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.798	Si+4	7.9884	7.9884							
Al2O3	0.607	Al+3	0.0989	0.0116	**0.0873**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.99	Fe+3	0.0093			0.0093	0.0000				
MgO	18.086	Mg+2	3.7266			3.7266	**0.0000**				
MnO	0.39	Fe+2	1.0286			1.0286	**0.0000**				
CaO	13.592	Mn+2	0.0457			0.0457	**0.0000**				
Na2O	0	Ca+2	2.0126					2.0000	0.0126		
K2O	0.537	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0947							0.0947	0.0000
Total	**100**		**Excess**	T site	**0.0873**	C site	**0.0000**	B site	**0.0125843**	A site	**0**
			Total	**8**		**4.8975**		**2.0000**		**0.0947**	**0.0000**
			%Fill	**100**		**97.9507**		**100**			

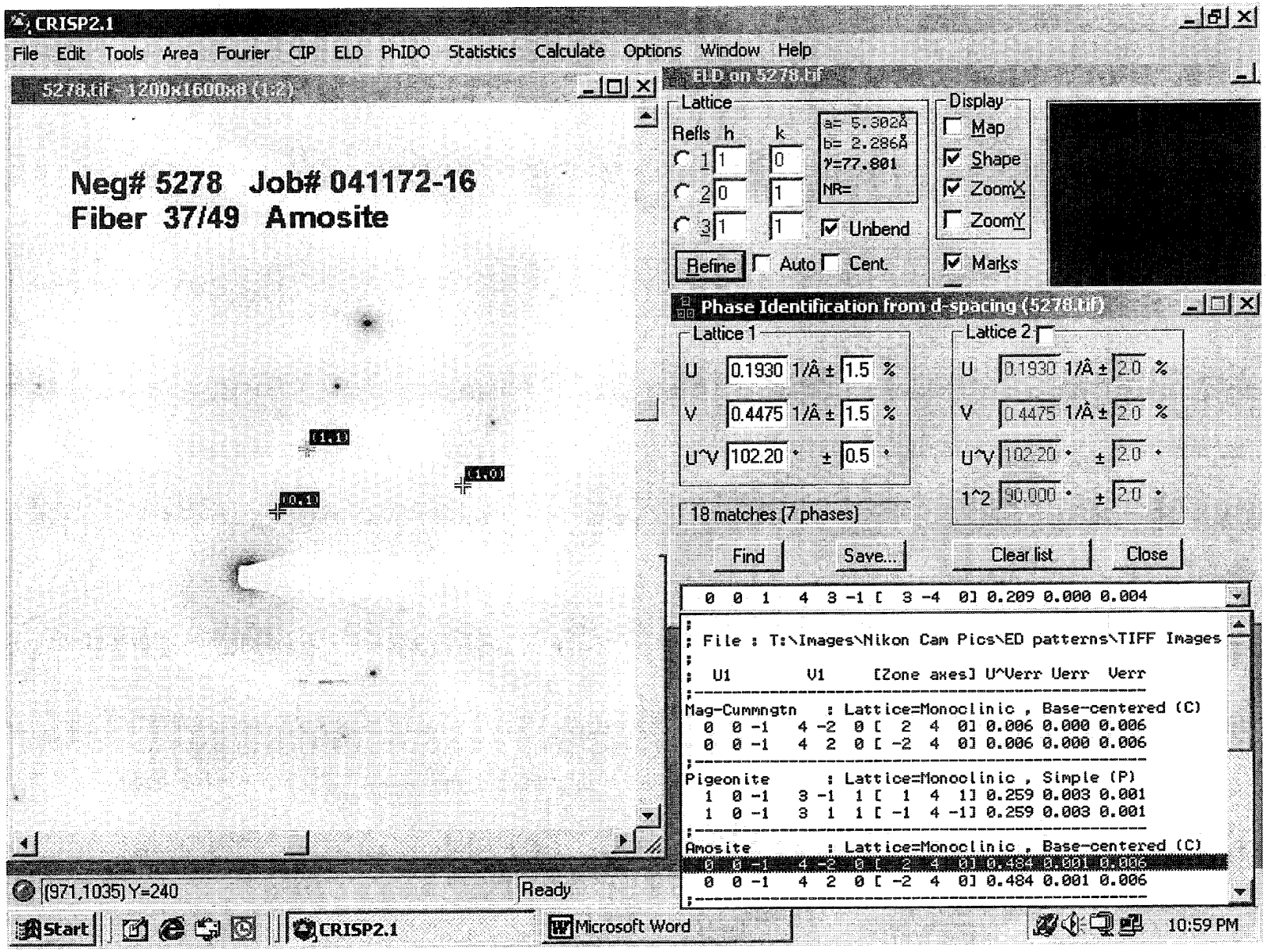
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-16-15163**

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	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.78	(Mg/(Mg+Fe2))< 0.9
Si	7.99	

Mineral Analysis Program (Version 5.0)

AMOSITE
[1 2 0]


CRISP2.1
File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help
5278.tif 1200x1600x8 (1:2)
Neg# 5278 Job# 041172-16
Fiber 37/49 Amosite
ELD on 5278.tif
Lattice
Refls h k
a= 5.302Å
b= 2.286Å
γ=77.801
NR=
Unbend
Refine
Auto
Cent.
Display
Map
Shape
ZoomX
ZoomY
Marks
Phase Identification from d-spacing (5278.tif)
Lattice 1
U 0.1930 1/Å ± 1.5 %
V 0.4475 1/Å ± 1.5 %
U^V 102.20 ° ± 0.5 °
Lattice 2
U 0.1930 1/Å ± 2.0 %
V 0.4475 1/Å ± 2.0 %
U^V 102.20 ° ± 2.0 °
1^2 90.000 ° ± 2.0 °
18 matches (7 phases)
Find
Save...
Clear list
Close
0 0 1 4 3 -1 [3 -4 0] 0.209 0.000 0.004
; File : T:\Images\Nikon Cam Pics\ED patterns\TIFF Images
; U1 V1 [Zone axes] U^Verr Uerr Verr
Mag-Cummngtn : Lattice=Monoclinic , Base-centered (C)
0 0 -1 4 -2 0 [2 4 0] 0.006 0.000 0.006
0 0 -1 4 2 0 [-2 4 0] 0.006 0.000 0.006
Pigeonite : Lattice=Monoclinic , Simple (P)
1 0 -1 3 -1 1 [1 4 1] 0.259 0.003 0.001
1 0 -1 3 1 1 [-1 4 -1] 0.259 0.003 0.001
Amosite : Lattice=Monoclinic , Base-centered (C)
0 0 -1 4 -2 0 [2 4 0] 0.484 0.001 0.006
0 0 -1 4 2 0 [-2 4 0] 0.484 0.001 0.006
(971,1035) Y=240
Ready
Start
CRISP2.1
Microsoft Word
10:59 PM

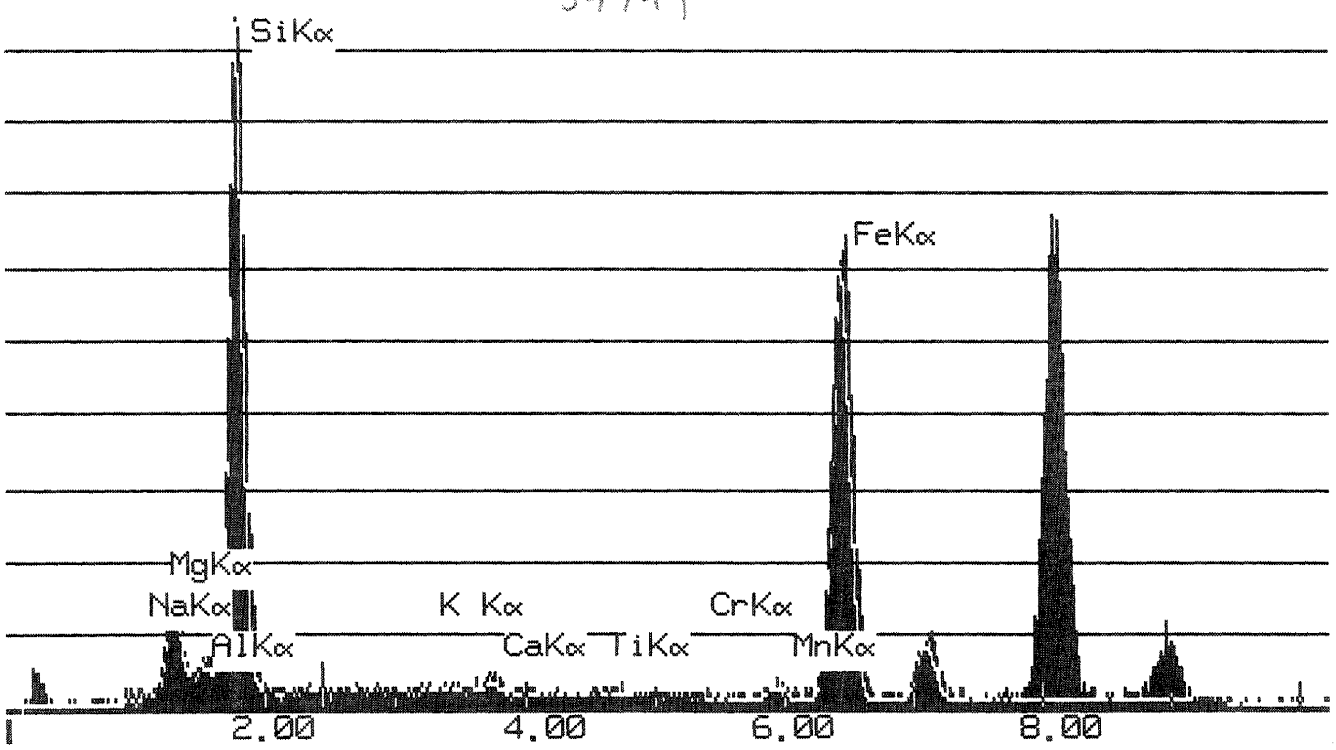
INTE-% :
LABEL = 041172-16 36/2 15164
23-NOV-72 01:50:44
75.710 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	12.337	6.780	11.241
ALK	1.426	0.471	0.890
SIK	74.112	22.906	49.005
K K	0.251	0.129	0.155
CAK	1.796	0.529	0.741
TIK	0.621	0.258	0.430
CRK	0.238	0.097	0.142
MNK	1.770	0.753	0.972
FEK	65.077	25.475	36.423

TOTAL			100.000

USED PEIF: USER

22-NOV-04 01:51:08 SUPER QUANT
RATE= 10CPS TIME= 75LSEC
FS= 608/ 608 PRST= 200LSEC
A =041172-16 ~~36/2~~ 15164
37/49



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	49.005	Si+4	7.4838	7.4838							
Al2O3	0.89	Al+3	0.1602	0.1602	0.0000						
TiO2	0.43	Ti+4	0.0494	0.0494	0.0000						
Cr2O3	0.142	Cr+3	0.0171			0.0171	0.0000				
Fe(total)O	36.423	Fe+3	0.5023			0.5023	0.0000				
MgO	11.241	Mg+2	2.5592			2.5592	0.0000				
MnO	0.972	Fe+2	4.0930			1.9214	2.1716				
CaO	0.741	Mn+2	0.1257			0.0000	0.1257				
Na2O	0	Ca+2	0.1212					0.0000	0.1212		
K2O	0.155	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0302							0.0302	0.0000
Total	99.999		Excess	T site	0.0000	C site	2.2974	B site	0.4185877	A site	0
			Total	7.6934		5.0000		0.0000		0.0302	0.0000
			%Fill	96.167		100		0			

Prefix	none
Name	grunerite, ferro-anthophyllite, ferroholmquistite, clinoferroholmquistite
Modifier	none
Group	Mg-Fe-Mn Amphibole

Sample # 041172-16-15164

Values		Satisfied Conditions
(Ca,Na)@B	0.00	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	2.00	(Mg/(Mg+Fe2))< 0.5
Mg/(Mg+Fe2)	0.38	Si > 7
Si	7.48	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 1 3]

CRISP2.1

File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help

5279.TIF - 1200x1600x8 (1:3)

Neg# 5279 Job# 041172-17
Fiber 18/17 Actin

ELD on 5279.TIF

Lattice

Refls	h	k
1	1	0
2	0	1
3	1	1

a= 4.932Å
b= 3.296Å
γ=88.928
NR=

Unbend

Refine Auto Cent

Estimation

Integration Amp.

Display

Map
Shape
ZoomX
ZoomY
Marks
Index

Do all

Phase Identification from d-spacing (5279.TIF)

Lattice 1

U	0.2028	1/Å ±	0.5	%
V	0.3034	1/Å ±	0.5	%
U^V	91.072	° ±	0.9	°

Lattice 2

U	0.2028	1/Å ±	2.0	%
V	0.3034	1/Å ±	2.0	%
U^V	91.072	° ±	2.0	°
1^2	90.000	° ±	2.0	°

2 matches (1 phases)

Find Save... Clear list Close

```
  1  1 -1   2 -4  0 [  4  2  6] 0.437 0.000 0.001
;
; File : T:\Images\Nikon Cam Pics\ED patterns\TIFF Images by
;
;  U1        V1      [Zone axes] U^Verr Uerr  Verr
;-----------------------------------------------------
Actinolite      : Lattice=Monoclinic , Base-centered (C)
  1 -1 -1   2  4  0 [ -4  2 -6] 0.437 0.000 0.001
  1  1 -1   2 -4  0 [  4  2  6] 0.437 0.000 0.001
```

Ready

Start | J813 Match.doc - Microso... | CRISP2.1 | 7:26 AM

INTE-% :
LABEL = 041172-17 18/17 15197
14-OCT-72 19:39:59
94.528 LIVE SECONDS

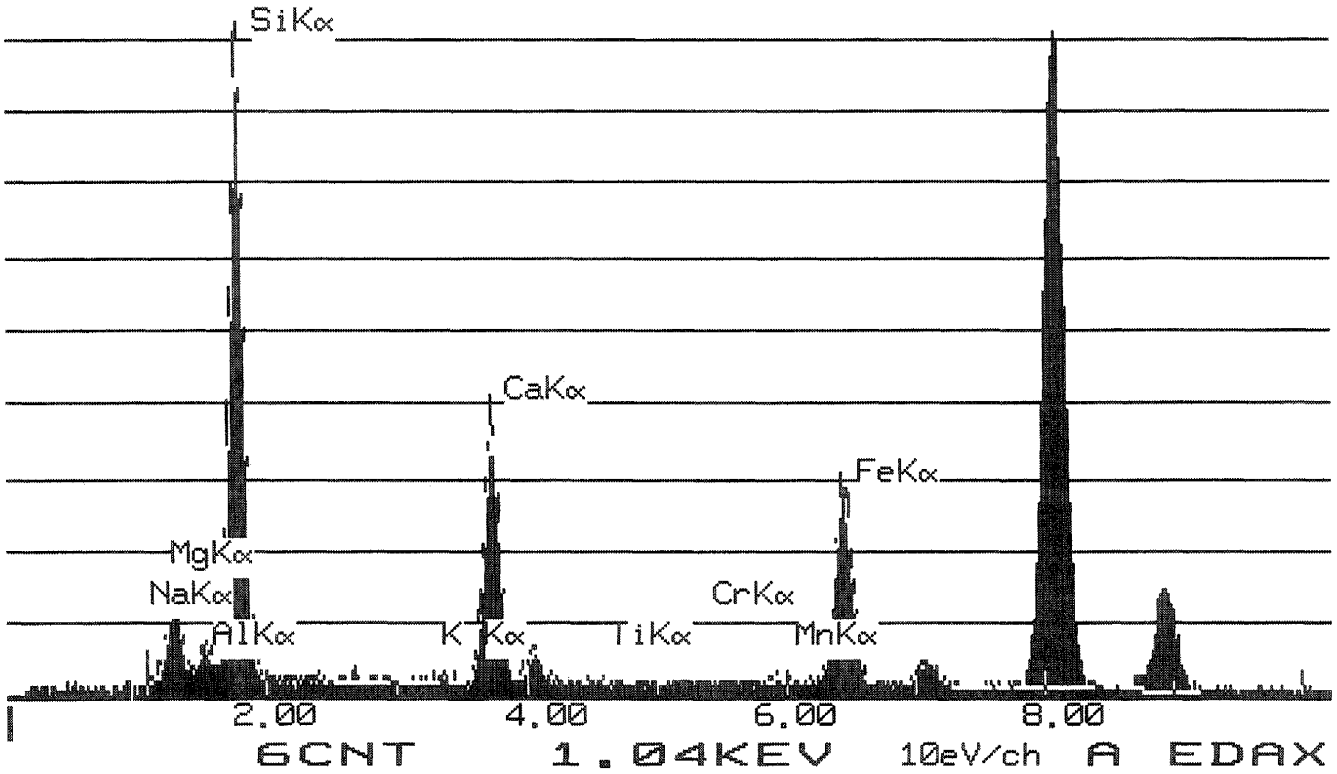
36 - Cuts

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	8.738	6.259	10.379
ALK	3.174	1.366	2.580
SIK	61.431	24.750	52.949
K K	0.508	0.340	0.410
CAK	28.880	11.093	15.522
MNK	0.518	0.287	0.371
FEK	24.384	12.443	17.790

TOTAL			100.000

USED PEIF: USER

13-OCT-04 19:40:36 SUPER QUANT
RATE= 1475CPS TIME= 95LSEC
FS= 610/ 610 PRST= 200LSEC
A =041172-17 18/17 15197



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.949	Si+4	7.7046	7.7046							
Al2O3	2.58	Al+3	0.4424	0.2954	**0.1470**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.79	Fe+3	0.0195			0.0195	0.0000				
MgO	10.379	Mg+2	2.2515			2.2515	**0.0000**				
MnO	0.371	Fe+2	2.1429			2.1429	**0.0000**				
CaO	15.522	Mn+2	0.0457			0.0457	**0.0000**				
Na2O	0	Ca+2	2.4197					2.0000	0.4197		
K2O	0.41	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0761							0.0761	0.0000
Total	**100.001**		**Excess**	T site	**0.1470**	C site	**0.0000**	B site	**0.4197067**	A site	**0**
			Total	**8**		**4.6067**		**2.0000**		**0.0761**	**0.0000**
			%Fill	**100**		**92.1335**		**100**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-17-15197**

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)	0.51	(Mg/(Mg+Fe2))< 0.9
Si	7.70	

Mineral Analysis Program (Version 5.0)

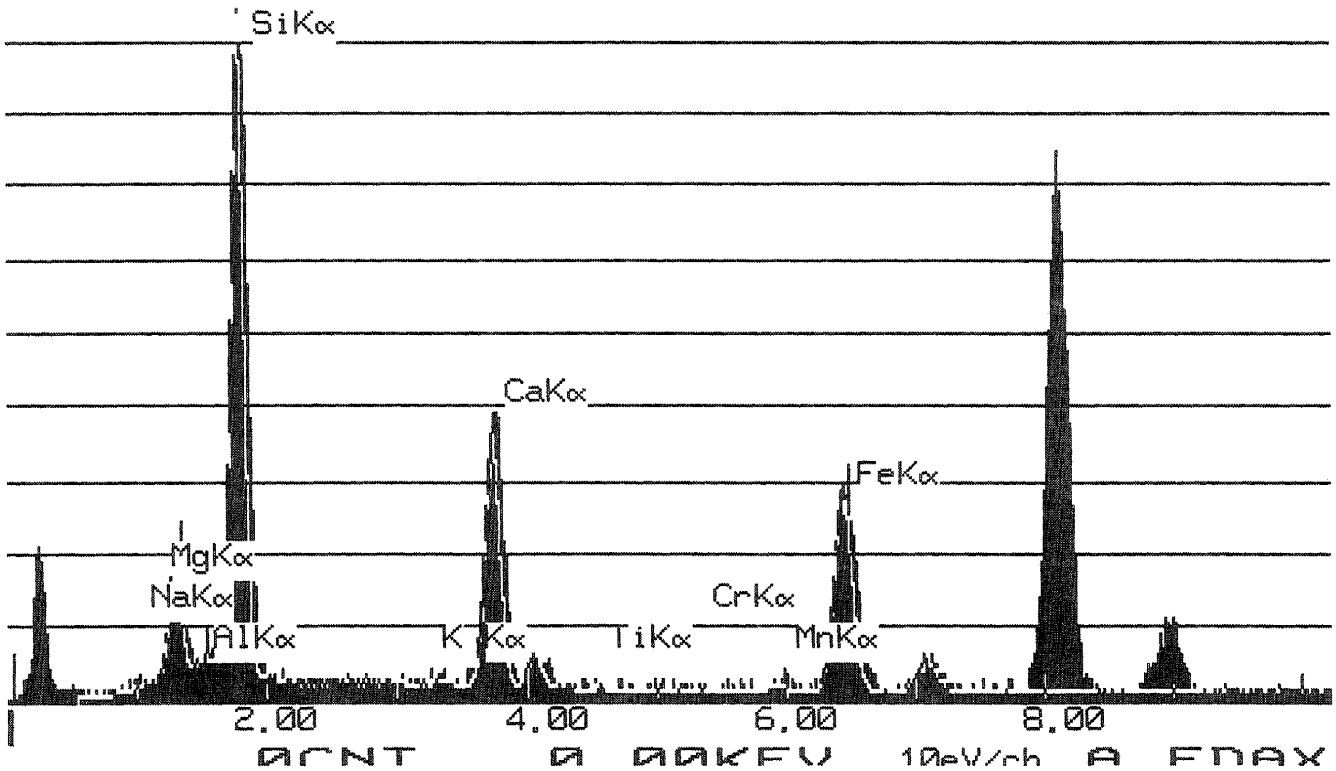
INTE-% :
LABEL = 041172-17 3/1 15165
23-NOV-72 21:31:23
92.763 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	9.206	7.814	12.956
ALK	0.787	0.401	0.758
SIK	51.055	24.371	52.138
K K	0.593	0.470	0.567
CAK	22.854	10.401	14.553
TIK	0.280	0.180	0.300
MNK	0.658	0.432	0.558
FEK	21.021	12.709	18.171

TOTAL			100.000

USED PEIF: USER

22-NOV-04 21:31:50 SUPER QUANT
RATE= 6CPS TIME= 92LSEC
FS= 511/ 511 PRST= 200LSEC
A =041172-17 3/1 15165



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.138	Si+4	7.6354	7.6354							
Al2O3	0.758	Al+3	0.1308	0.1308	**0.0000**						
TiO2	0.3	Ti+4	0.0330	0.0330	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.17	Fe+3	0.0200			0.0200	0.0000				
MgO	12.956	Mg+2	2.8286			2.8286	**0.0000**				
MnO	0.558	Fe+2	2.2028			2.1514	**0.0514**				
CaO	14.553	Mn+2	0.0692			0.0000	**0.0692**				
Na2O	0	Ca+2	2.2832					1.8794	0.4039		
K2O	0.567	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1059							0.1059	0.0000
Total	**100**		**Excess**	T site	**0.0000**	C site	**0.1206**	B site	**0.4038764**	A site	**0**
			Total	**7.7993**		**5.0000**		**1.8794**		**0.1059**	**0.0000**
			%Fill	**97.491**		**100**		**93.9685**			

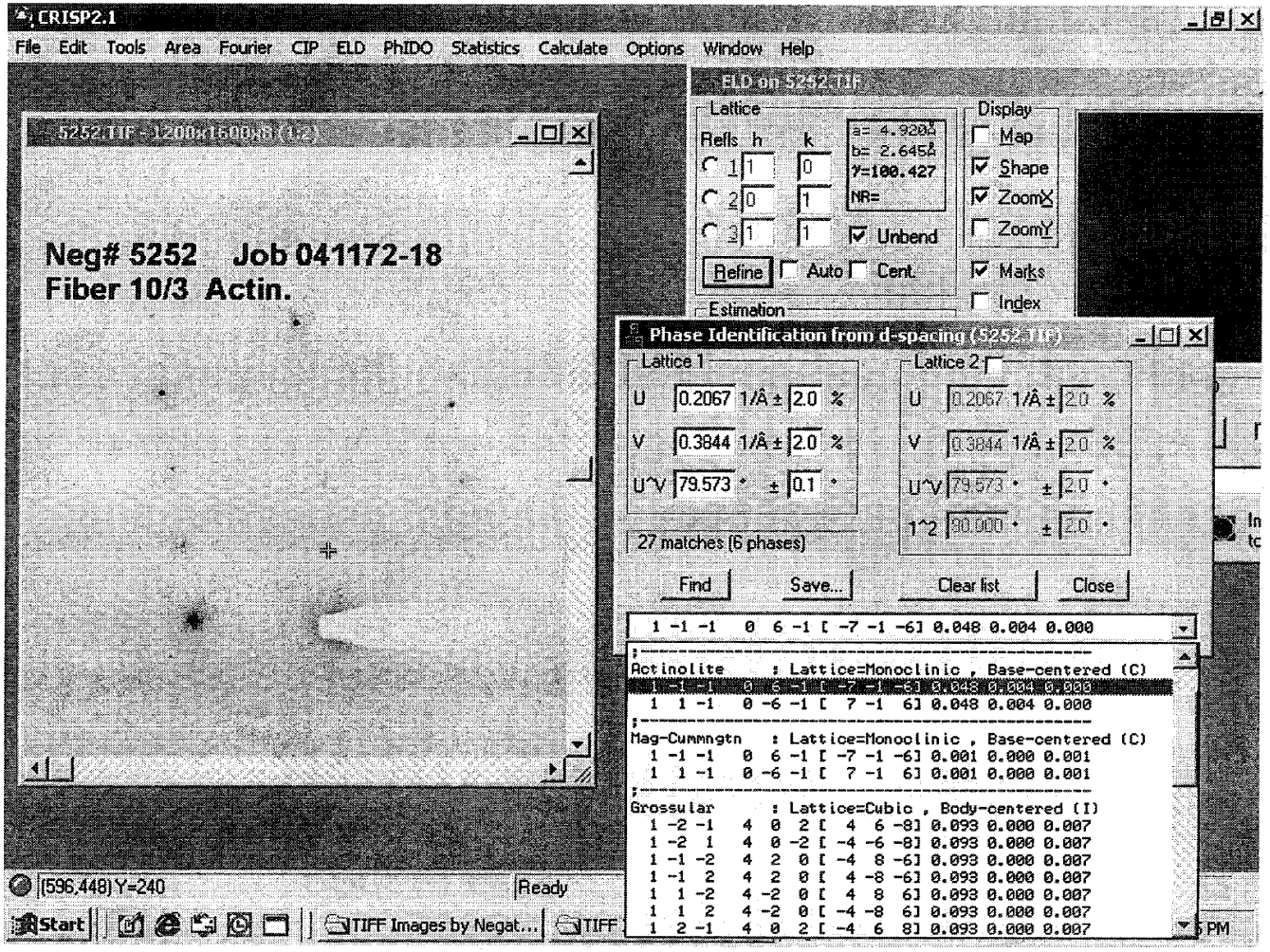
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-17-15165**

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	0.11	Si > 7.5
Mg/(Mg+Fe2)	0.56	(Mg/(Mg+Fe2))< 0.9
Si	7.64	

Mineral Analysis Program (Version 5.0)

Actinolite
[7 1 6]

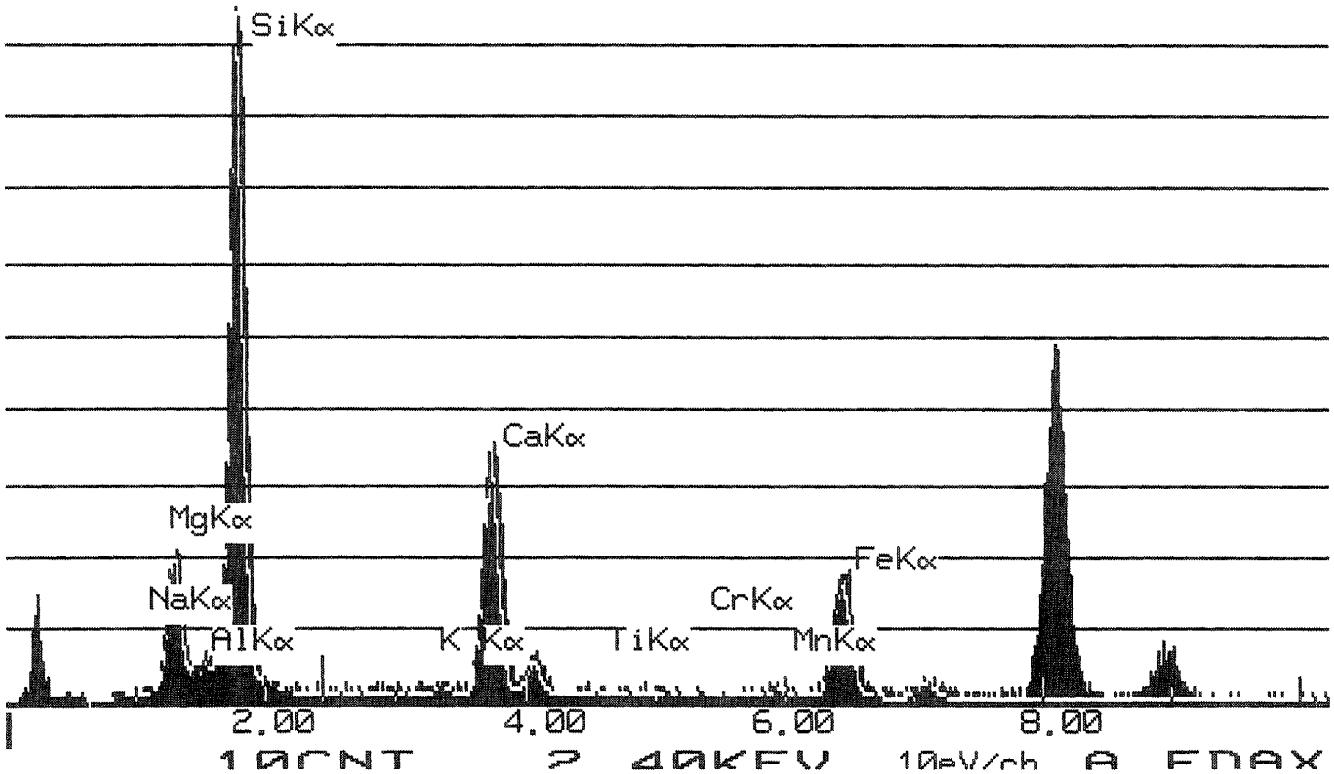


INTE-% :
LABEL = 041172-18 10/1 15171
23-NOV-72 01:47:05
101.958 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	12.211	9.400	15.587
ALK	0.294	0.136	0.257
SIK	61.045	26.431	56.545
K K	0.951	0.684	0.825
CAK	25.599	10.567	14.786
TIK	0.128	0.074	0.124
MNK	0.726	0.432	0.558
FEK	14.437	7.917	11.319
TOTAL			100.000

USED PEIF: USER

22-NOV-04 01:47:28 SUPER QUANT
RATE= 10CPS TIME= 101LSEC
FS= 664/ 664 PRST= 200LSEC
A =041172-18 10/1 15171



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.545	Si+4	7.9639	7.9639							
Al2O3	0.257	Al+3	0.0427	0.0361	**0.0065**						
TiO2	0.124	Ti+4	0.0131	0.0000	**0.0131**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.318	Fe+3	0.0120			0.0120	0.0000				
MgO	15.587	Mg+2	3.2728			3.2728	**0.0000**				
MnO	0.558	Fe+2	1.3196			1.3196	**0.0000**				
CaO	14.786	Mn+2	0.0666			0.0666	**0.0000**				
Na2O	0	Ca+2	2.2310					2.0000	0.2310		
K2O	0.825	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1482							0.1482	0.0000
Total	**100**		**Excess**	T site	**0.0196**	C site	**0.0000**	B site	**0.2310115**	A site	**0**
			Total	**8**		**4.6906**		**2.0000**		**0.1482**	**0.0000**
			%Fill	**100**		**93.8113**		**100**			

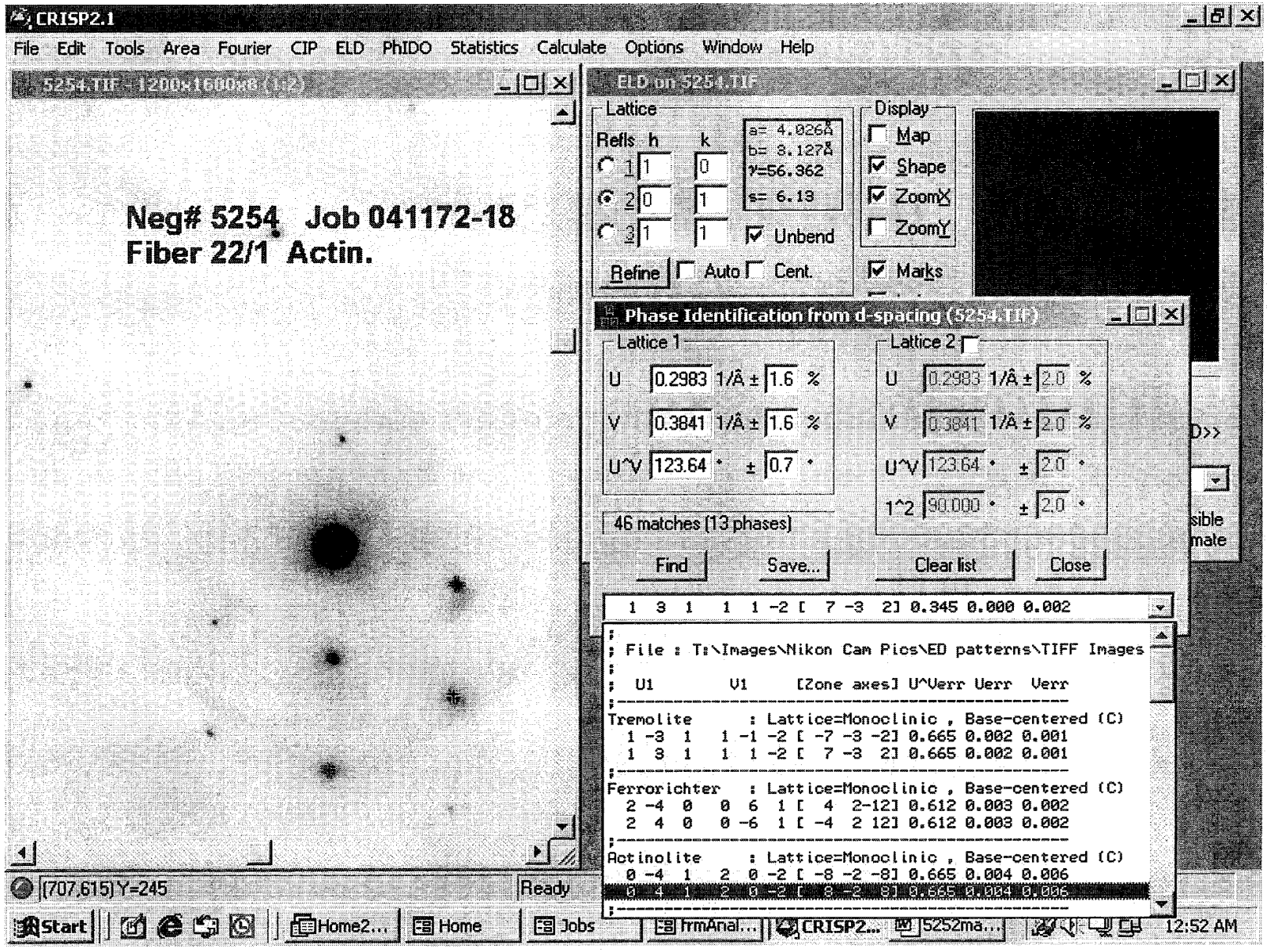
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-18-15171**

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	0.15	Si > 7.5
Mg/(Mg+Fe2)	0.71	(Mg/(Mg+Fe2))< 0.9
Si	7.96	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[4 -1 4]



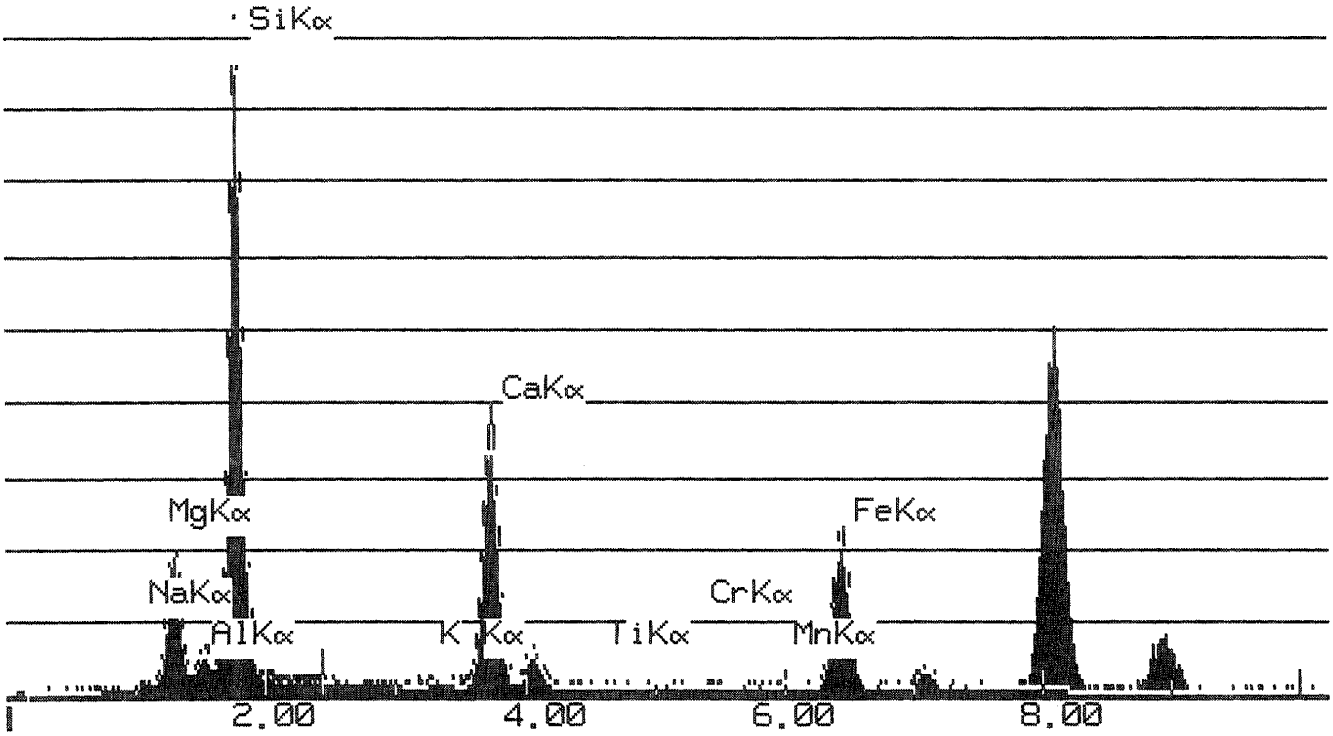
INTE-% :
LABEL = 041172-18 22/1 15173
23-NOV-72 01:42:16
192.663 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	12.826	9.429	15.635
ALK	2.159	0.954	1.802
SIK	59.394	24.559	52.540
K K	0.483	0.332	0.400
CAK	27.852	10.980	15.363
TIK	0.213	0.118	0.197
CRK	0.348	0.191	0.279
MNK	0.311	0.177	0.229
FEK	18.104	9.481	13.556

TOTAL			100.000

USED PEIF: USER

22-NOV-04 01:42:49 SUPER QUANT
RATE= 7CPS TIME= 193LSEC
FS= 1254/ 1254 PRST= 200LSEC
A =041172-18 22/1 15173



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.54	Si+4	7.5299	7.5299							
Al2O3	1.802	Al+3	0.3044	0.3044	0.0000						
TiO2	0.197	Ti+4	0.0212	0.0212	0.0000						
Cr2O3	0.279	Cr+3	0.0316			0.0316	0.0000				
Fe(total)O	13.555	Fe+3	0.0146			0.0146	0.0000				
MgO	15.635	Mg+2	3.3406			3.3406	0.0000				
MnO	0.229	Fe+2	1.6082			1.6082	0.0000				
CaO	15.363	Mn+2	0.0278			0.0050	0.0228				
Na2O	0	Ca+2	2.3588					1.9772	0.3816		
K2O	0.4	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0731							0.0731	0.0000
Total	100		Excess	T site	0.0000	C site	0.0228	B site	0.3815908	A site	0
			Total	7.8555		5.0000		1.9772		0.0731	0.0000
			%Fill	98.193		100		98.8615			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-18-15173

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	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.68	(Mg/(Mg+Fe2))< 0.9
Si	7.53	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[100]

CRISP2.1

File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help

5256.tif - 1200x1600x8 (1:2)

Neg# 5256 Job# 041172-19
Fiber 6/1 Actin

ELD on 5256.tif

Lattice

Refls	h	k
1	1	0
2	0	1
3	1	1

a=10.363Å
b= 5.077Å
γ=60.334
NR=

Unbend

Refine Auto Cent.

Display: Map, Shape, ZoomX, ZoomY, Marks

Phase Identification from d-spacing (5256.tif)

Lattice 1				
U	0.1110	1/Å ±	1.6	%
V	0.2267	1/Å ±	1.6	%
U^V	119.67	° ±	0.1	°

Lattice 2				
U	0.1110	1/Å ±	2.0	%
V	0.2267	1/Å ±	2.0	%
U^V	119.67	° ±	2.0	°
1^2	90.000	° ±	2.0	°

22 matches (6 phases)

Find Save... Clear list Close

```
  0  2  0   0 -2  1 [ -2  0  0] 0.041 0.000 0.002
;
; 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  0   0  2 -1 [ -2  0  0] 0.002 0.001 0.004
  0 -2  0   0  2  1 [  2  0  0] 0.002 0.001 0.004
  0  2  0   0 -2 -1 [  2  0  0] 0.002 0.001 0.004
  0  2  0   0 -2  1 [ -2  0  0] 0.002 0.001 0.004
;-----------------------------------------------------
Richterite      : Lattice=Monoclinic , Base-centered (C)
  0 -2  0   0  2 -1 [ -2  0  0] 0.095 0.000 0.002
  0 -2  0   0  2  1 [  2  0  0] 0.095 0.000 0.002
  0  2  0   0 -2 -1 [  2  0  0] 0.095 0.000 0.002
  0  2  0   0 -2  1 [ -2  0  0] 0.095 0.000 0.002
;-----------------------------------------------------
```

(820,745) Y=236 Ready

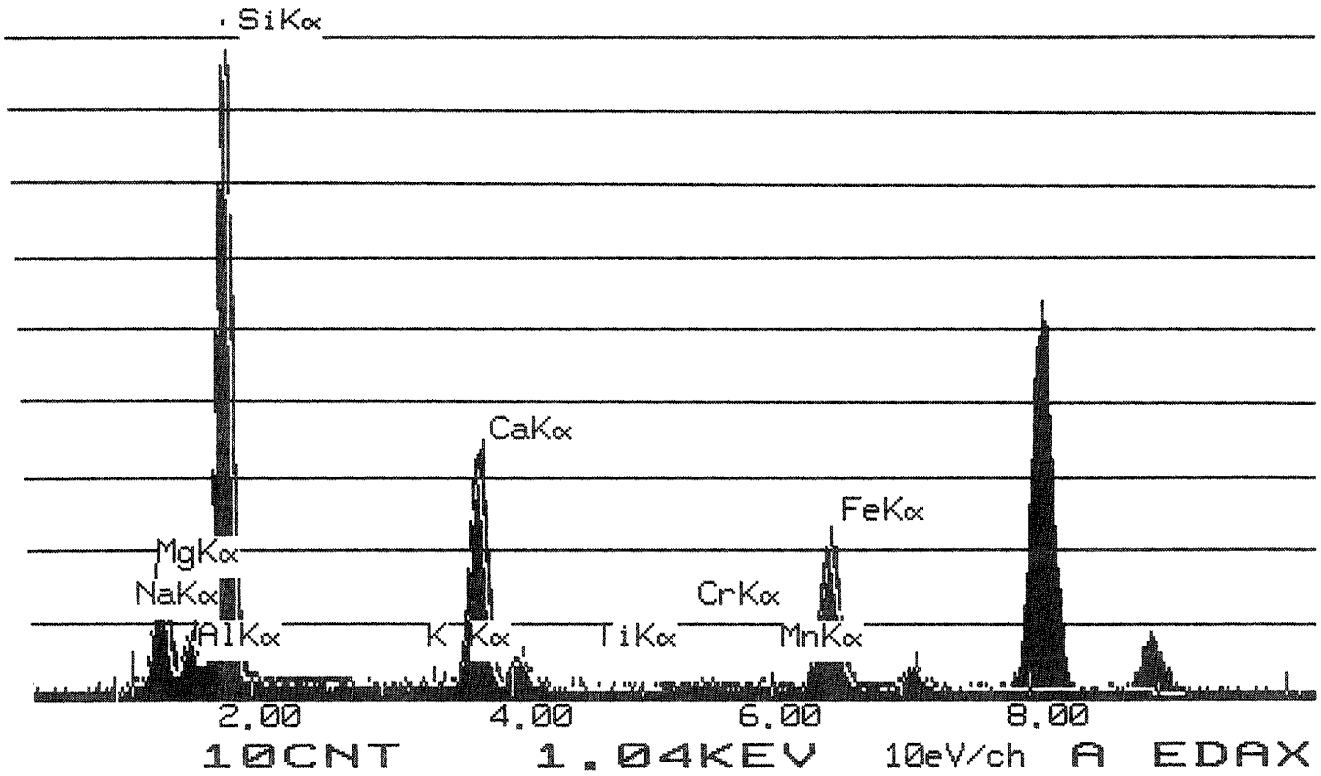
Start Home... Home Jobs frmA... CRIS... 5254 ... 1:16 AM

INTE-% :
LABEL = 041172-19 6/1 15175
11-OCT-72 18:05:04
45.048 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	30.812	9.427	15.630
ALK	10.012	1.840	3.476
SIK	147.532	25.386	54.309
CAK	59.381	9.742	13.631
MNK	0.355	0.084	0.109
FEK	41.223	8.984	12.845
TOTAL			100.000

USED PEIF: USER

10-OCT-04 18:06:06 SUPER QUANT
RATE= 521CPS TIME= 45LSEC
FS= 725/ 725 PRST= 200LSEC
A =041172-19 6/1 15175



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.309	Si+4	7.6345	7.6345							
Al2O3	3.476	Al+3	0.5759	0.3655	**0.2104**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.845	Fe+3	0.0408			0.0408	0.0000				
MgO	15.63	Mg+2	3.2756			3.2756	**0.0000**				
MnO	0.109	Fe+2	1.4646			1.4646	**0.0000**				
CaO	13.631	Mn+2	0.0130			0.0087	**0.0043**				
Na2O	0	Ca+2	2.0529					1.9957	0.0572		
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	**0.2104**	C site	**0.0043**	B site	**0.0571804**	A site	**0**
			Total	**8**		**5.0000**		**1.9957**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**99.7839**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-19-15175**

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)	0.69	(Mg/(Mg+Fe2))< 0.9
Si	7.63	

Mineral Analysis Program (Version 5.0)

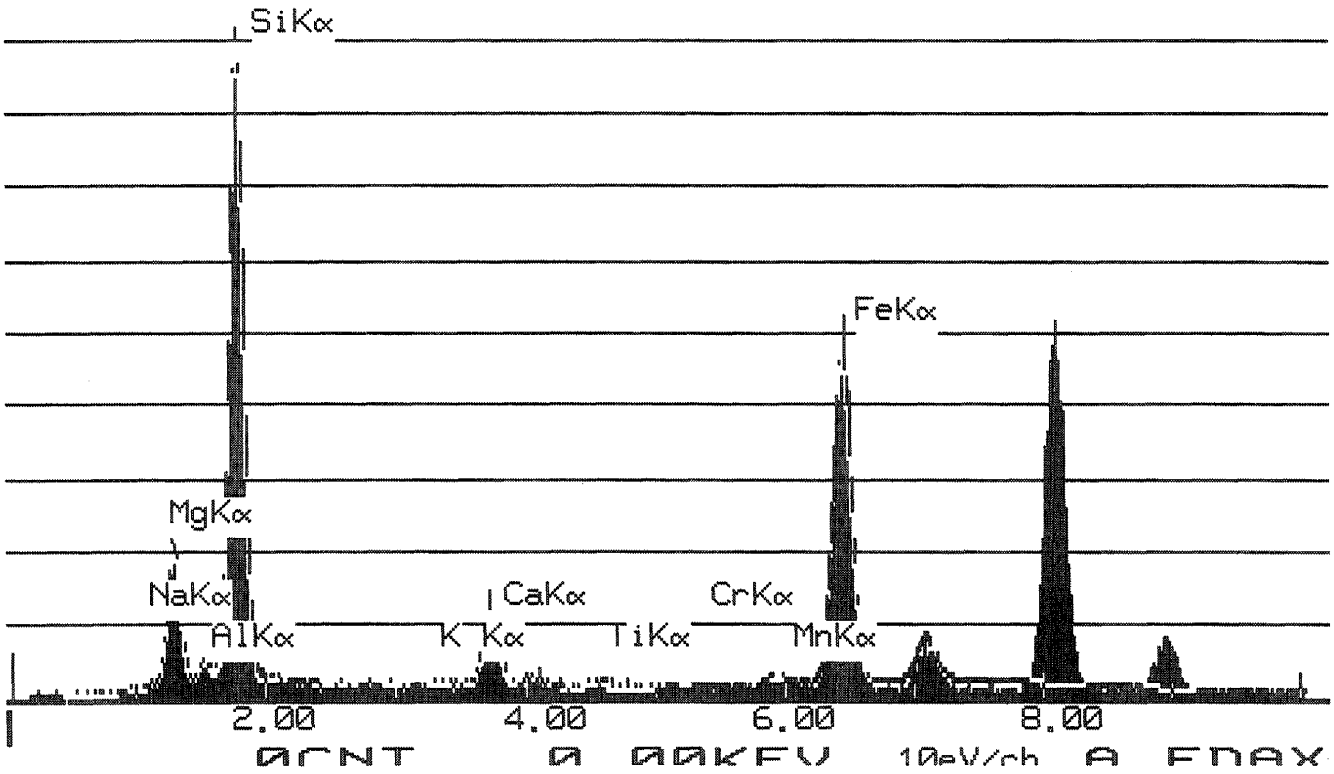
INTE-% :
LABEL = 041172-19 10/1 15176
23-NOV-72 21:36:05
61.249 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	32.343	8.816	14.618
ALK	4.212	0.690	1.303
SIK	154.042	23.616	50.522
K K	0.539	0.137	0.165
CAK	20.082	2.935	4.107
TIK	1.567	0.323	0.539
MNK	1.796	0.379	0.489
FEK	101.780	19.763	28.256

TOTAL			100.000

USED PEIF: USER

22-NOV-04 21:36:28 SUPER QUANT
RATE= 0CPS TIME= 61LSEC
FS= 1028/ 1028 PRST= 200LSEC
A =041172-19 10/1 15176



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	50.522	Si+4	7.5212	7.5212							
Al2O3	1.303	Al+3	0.2286	0.2286	**0.0000**						
TiO2	0.539	Ti+4	0.0604	0.0604	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	28.256	Fe+3	0.0000			0.0000	0.0000				
MgO	14.618	Mg+2	3.2443			3.2443	**0.0000**				
MnO	0.489	Fe+2	3.5174			1.7557	**1.7617**				
CaO	4.107	Mn+2	0.0617			0.0000	**0.0617**				
Na2O	0	Ca+2	0.6550					0.1767	0.4783		
K2O	0.165	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0313							0.0313	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**1.8233**	B site	**0.4783415**	A site	**0**
			Total	**7.8101**		**5.0000**		**0.1767**		**0.0313**	**0.0000**
			%Fill	**97.627**		**100**		**8.83379**			

Prefix none

Name grunerite, ferro-anthophyllite, ferroholmquistite, clinoferroholmquistite

Modifier Calcian

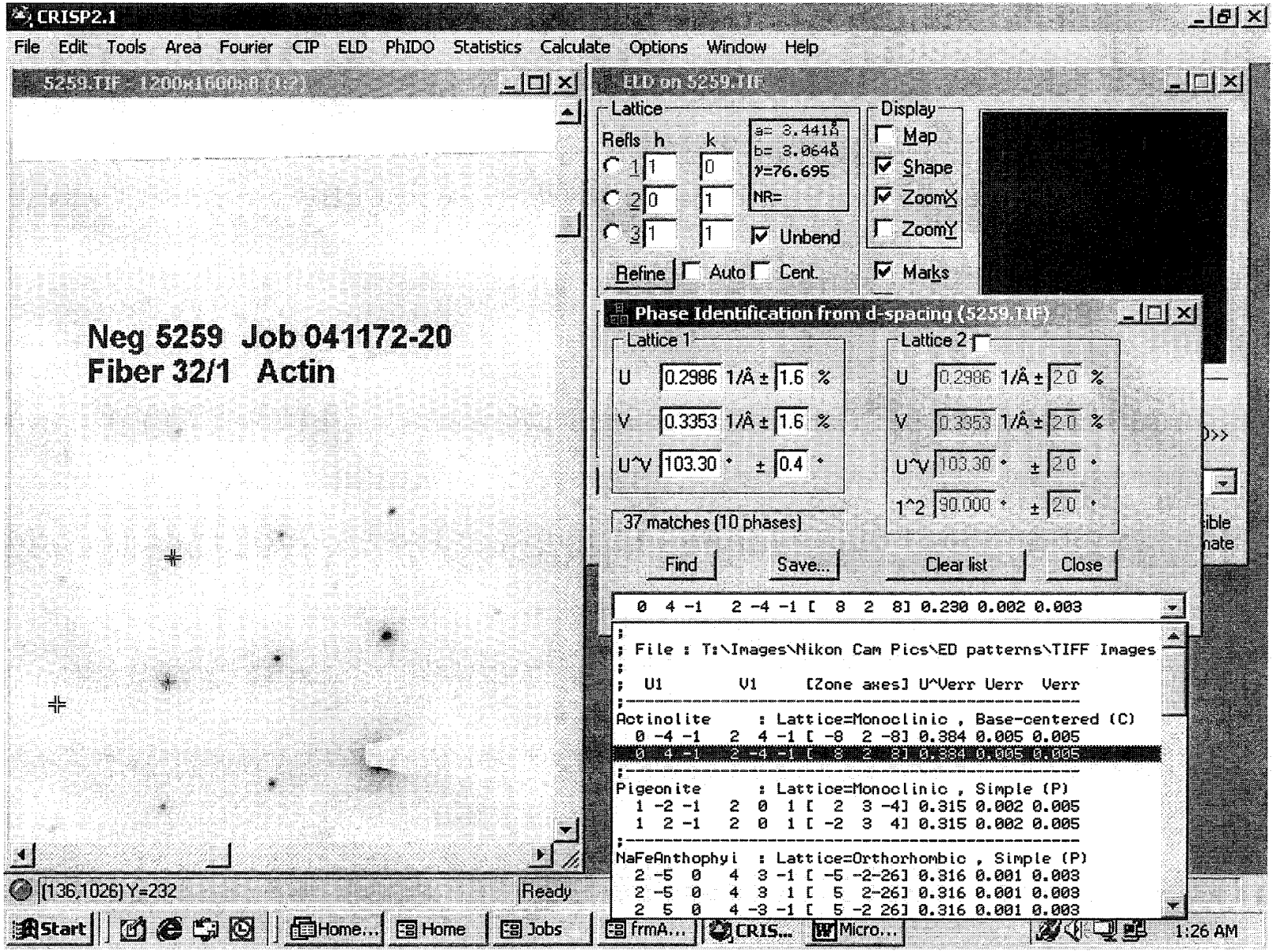
Group Mg-Fe-Mn Amphibole

Sample # 041172-19-15176

Values		Satisfied Conditions
(Ca,Na)@B	0.18	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	1.82	(Mg/(Mg+Fe2))< 0.5
Mg/(Mg+Fe2)	0.48	Si > 7
Si	7.52	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[4 1 4]



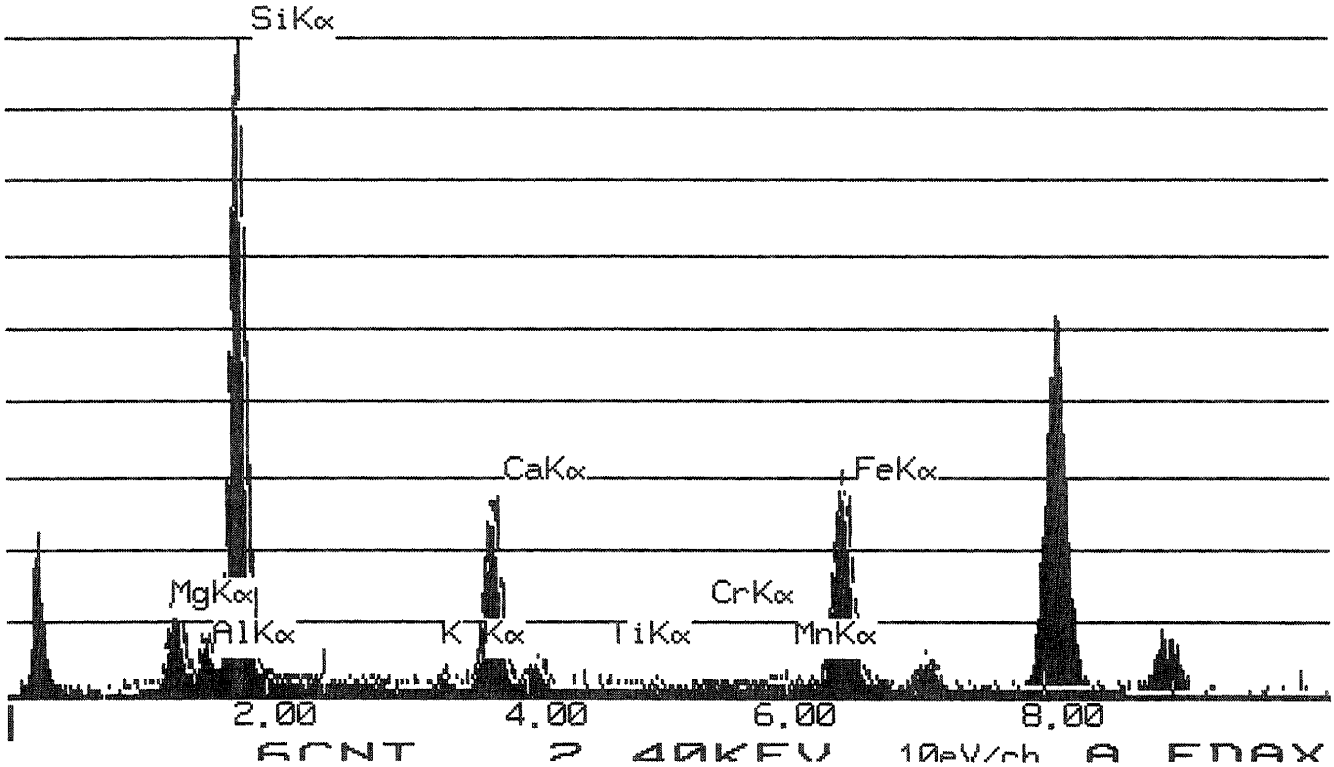
INTE-% :
LABEL = 041172-20 32/1 15177
23-NOV-72 01:58:48
125.885 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.143	0.437	0.589
MGK	4.687	6.767	11.220
ALK	1.891	1.640	3.098
SIK	30.822	25.028	53.543
K K	0.493	0.665	0.801
CAK	10.533	8.155	11.410
MNK	0.151	0.169	0.218
FEK	13.004	13.374	19.121

TOTAL			100.000

USED PEIF: USER

22-NOV-04 01:59:09 SUPER QUANT
RATE= 0CPS TIME= 125LSEC
FS= 446/ 446 PRST= 200LSEC
A =041172-20 32/1 15177



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.543	Si+4	7.7429	7.7429							
Al2O3	3.098	Al+3	0.5280	0.2571	**0.2708**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	19.121	Fe+3	0.1040			0.1040	0.0000				
MgO	11.22	Mg+2	2.4189			2.4189	**0.0000**				
MnO	0.218	Fe+2	2.1965			2.1965	**0.0000**				
CaO	11.41	Mn+2	0.0267			0.0097	**0.0170**				
Na2O	0.589	Ca+2	1.7677					1.7677	0.0000		
K2O	0.801	Na+	0.1651					0.1651	**0.0000**	0.0000	0.0000
		K+	0.1478							0.1478	0.0000
Total	**100**		**Excess**	T site	**0.2708**	C site	**0.0170**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.9328**		**0.1478**	**0.0000**
			%Fill	**100**		**100**		**96.6411**			

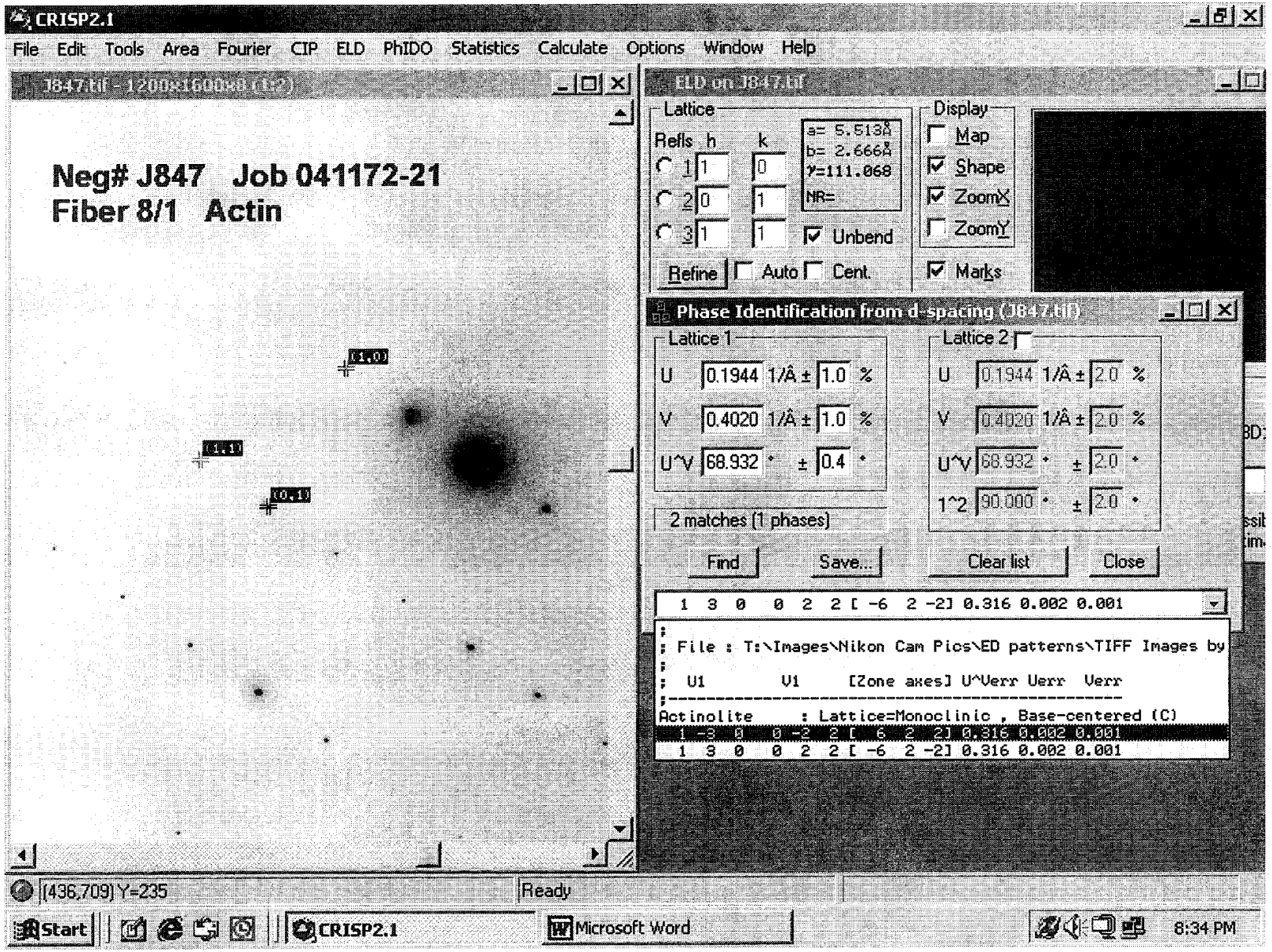
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

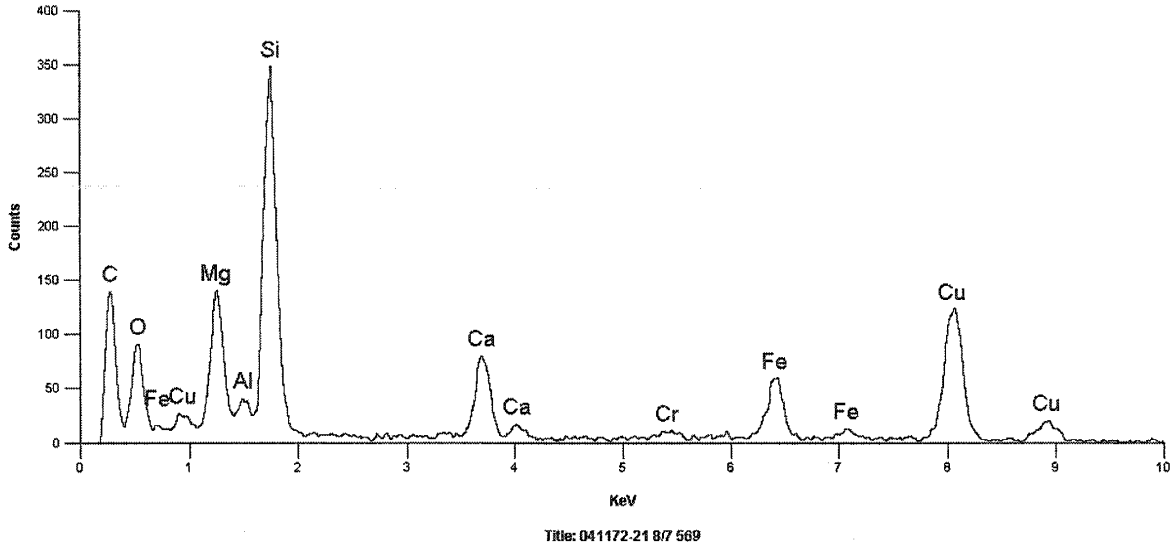
Sample # **041172-20-15177**

Values		Satisfied Conditions
(Ca,Na)@B	1.93	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.17	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)	0.52	(Mg/(Mg+Fe2))< 0.9
Si	7.74	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 1 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum4 041172-21 8/7 569 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 96.90
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	30.07	MgO	39.92	0.21	21.90
Al	1.54	Al2O3	2.58	0.06	1.42
Si	51.27	SiO2	101.46	0.31	55.66
K	0.52	K2O	0.80	0.03	0.44
Ca	7.88	CaO	14.55	0.11	7.98
Fe	8.73	Fe2O3	22.97	0.20	12.60
<Total>	100.00		182.28		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.66	Si+4	7.6360	7.6360							
Al2O3	1.42	Al+3	0.2296	0.2296	**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	12.6	Fe+3	0.6373			0.6373	0.0000				
MgO	21.9	Mg+2	4.4791			4.3627	**0.1164**				
MnO	0	Fe+2	0.7372			0.0000	**0.7372**				
CaO	7.98	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.1729					1.1464	0.0265		
K2O	0.44	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0770							0.0770	0.0000
Total	100		Excess	T site	**0.0000**	C site	**0.8536**	B site	**0.0264738**	A site	**0**
			Total	7.8656		5.0000		1.1464		0.0770	0.0000
			%Fill	98.32		100		57.3194			

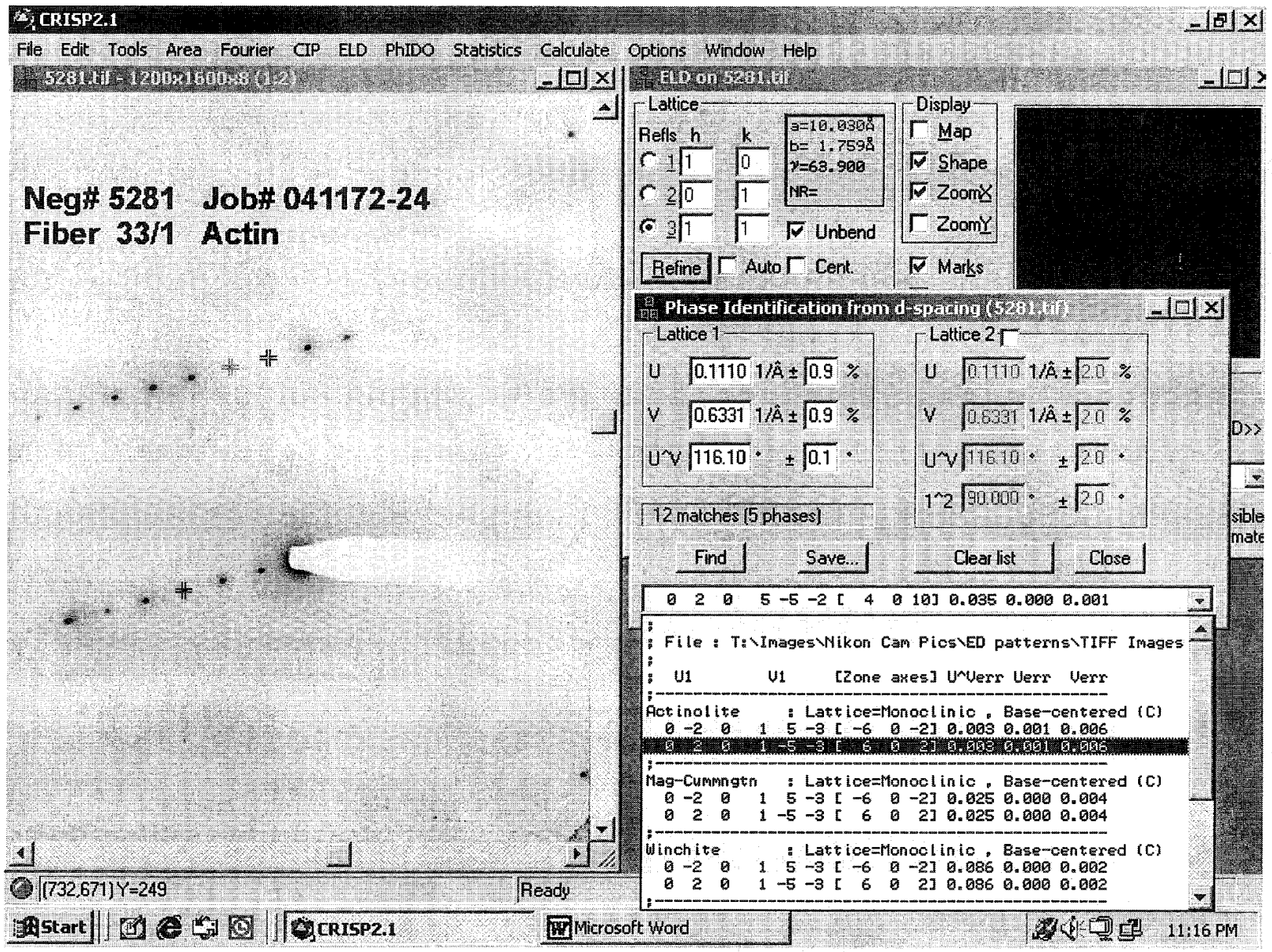
Prefix none
Name probable actinolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

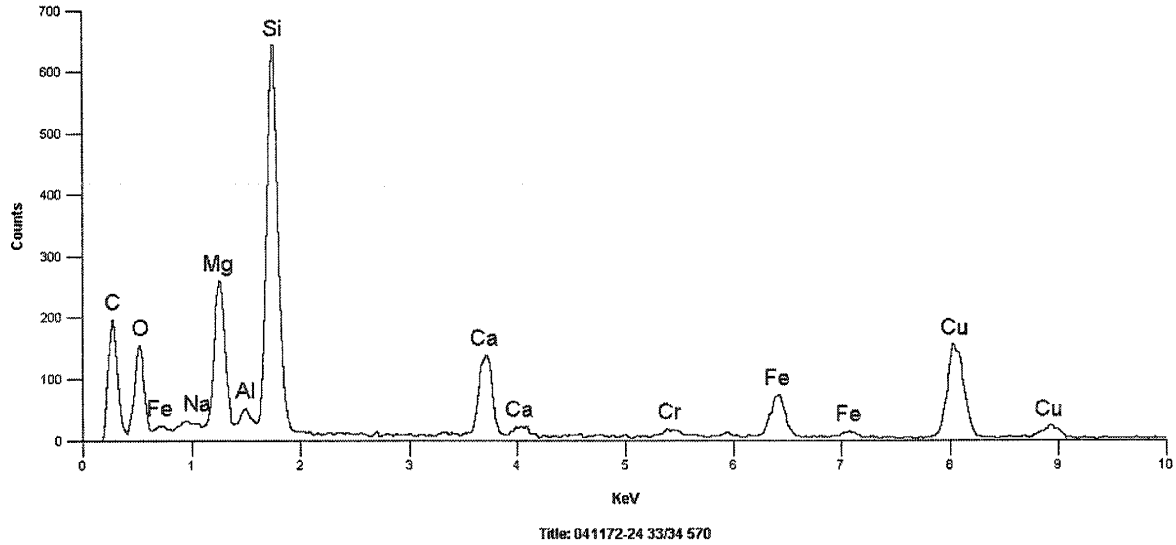
Sample # 041172-21-8

Values		Satisfied Conditions
(Ca,Na)@B	1.15	(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	1.15	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.86	(Mg/(Mg+Fe2))< 0.9
Si	7.64	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 0 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum7 041172-24 33/34 570 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 173.23
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	32.38	MgO	44.32	0.17	24.05
Al	1.43	Al2O3	2.48	0.04	1.35
Si	51.77	SiO2	105.62	0.25	57.31
K	0.23	K2O	0.37	0.03	0.20
Ca	8.63	CaO	16.44	0.09	8.92
Fe	5.55	Fe2O3	15.05	0.14	8.17
<Total>	100.00		184.28		100.00

see following page for correct quants

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.25	Si+4	8.0000	8.0000							
Al2O3	4.04	Al+3	0.6520	0.0000	**0.6520**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	6.42	Fe+3	0.0172			0.0172	0.0000				
MgO	17.09	Mg+2	3.4415			3.4415	**0.0000**				
MnO	0	Fe+2	0.7329			0.7329	**0.0000**				
CaO	10.98	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.5999					1.5999	0.0000		
K2O	0.21	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0539							0.0539	0.0000
Total	**99.99**		**Excess**	T site	**0.6520**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8436**		**1.5999**		**0.0539**	**0.0000**
			%Fill	**100**		**96.8711**		**79.9933**			

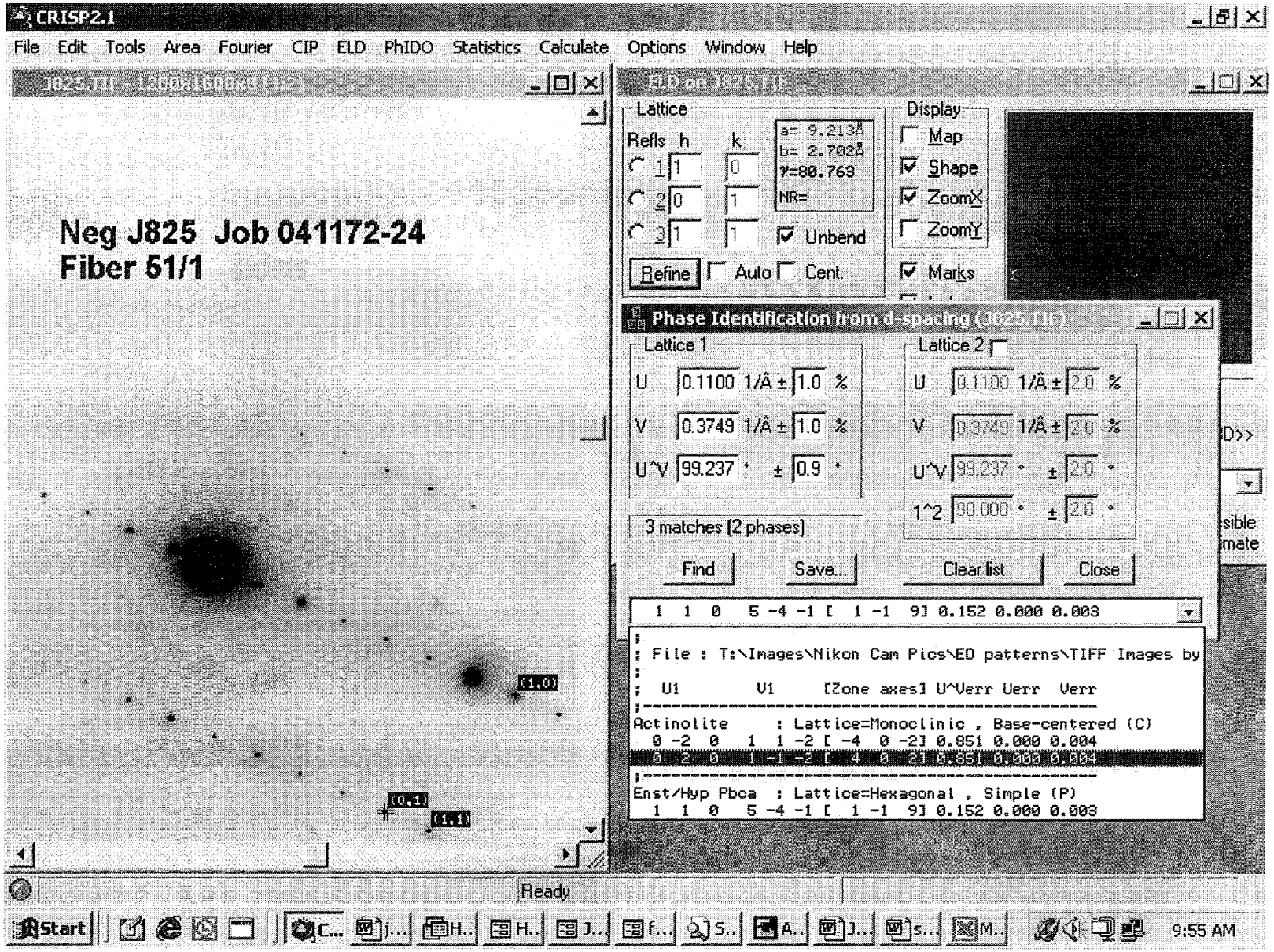
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

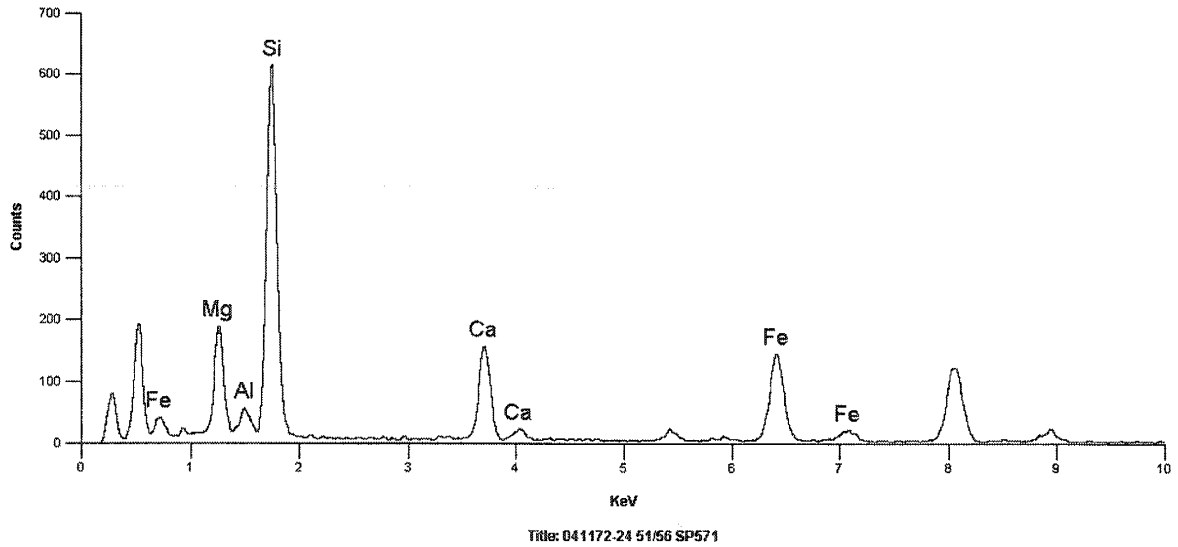
Sample # **041172-24-33**

Values		Satisfied Conditions
(Ca,Na)@B	1.60	(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	1.60	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.82	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041172-24 51/56 SP571 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 622.26
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	9.08	MgO	16.59	0.80	16.59
Al	0.84	Al2O3	1.94	0.23	1.94
Si	20.11	SiO2	54.76	1.32	54.76
Ca	3.98	CaO	10.13	0.51	10.13
Fe	4.58	Fe2O3	16.58	1.07	16.58
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.76	Si+4	7.6436	7.6436							
Al2O3	1.94	Al+3	0.3191	0.3191	**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	16.58	Fe+3	0.8533			0.8533	0.0000				
MgO	16.59	Mg+2	3.4523			3.4523	**0.0000**				
MnO	0	Fe+2	0.9869			0.6944	**0.2925**				
CaO	10.13	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.5148					1.5148	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	**0.2925**	B site	**0**	A site	**0**
			Total	**7.9628**		**5.0000**		**1.5148**		**0.0000**	**0.0000**
			%Fill	**99.535**		**100**		**75.7422**			

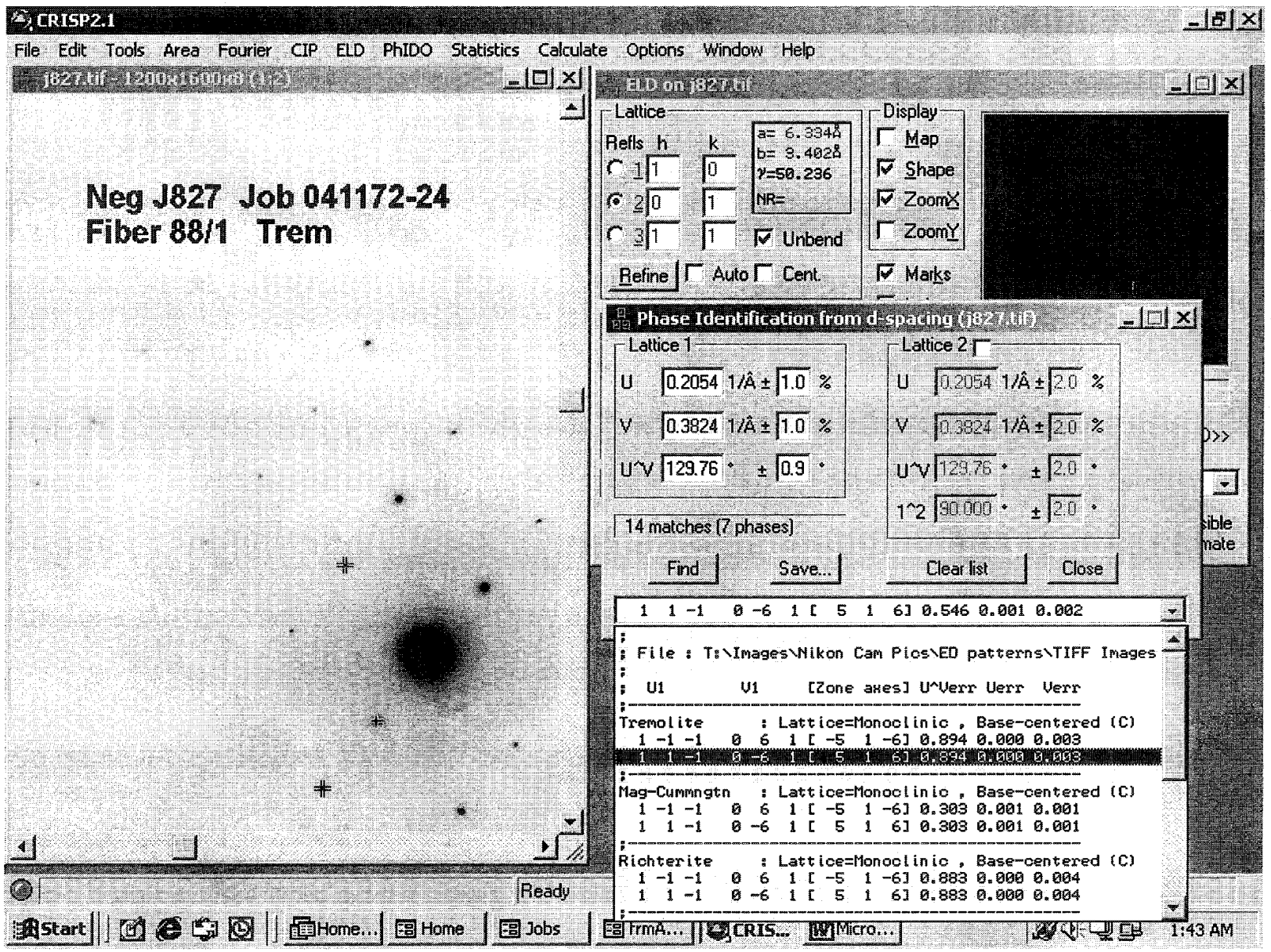
Prefix none
Name actinolite
Modifier Ferrian
Group Calcic Amphibole

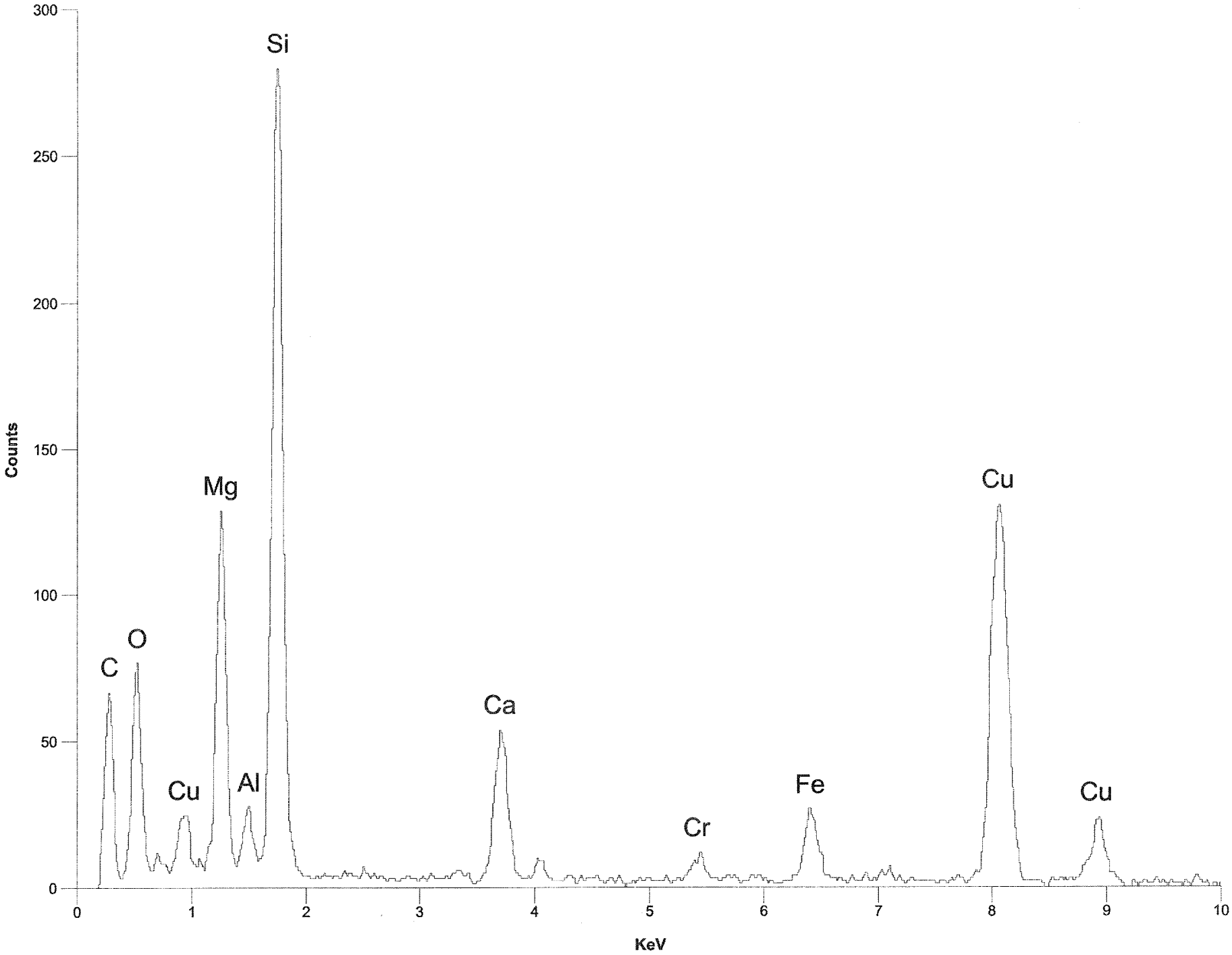
Sample # **041172-24-571**

Values		Satisfied Conditions
(Ca,Na)@B	1.51	(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	1.51	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.78	(Mg/(Mg+Fe2))< 0.9
Si	7.64	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[516]





Title: 041172-24 88/97 SP573

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.98	Si+4	7.6053	7.6053							
Al2O3	3.53	Al+3	0.5755	0.3947	**0.1808**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.45	Fe+3	0.5443			0.5443	0.0000				
MgO	16.76	Mg+2	3.4563			3.4563	**0.0000**				
MnO	0	Fe+2	0.8352			0.8186	**0.0166**				
CaO	12.26	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.01	Ca+2	1.8169					1.8169	0.0000		
K2O	0	Na+	0.0027					0.0027	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.99**		**Excess**	T site	**0.1808**	C site	**0.0166**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8196**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**90.9779**			

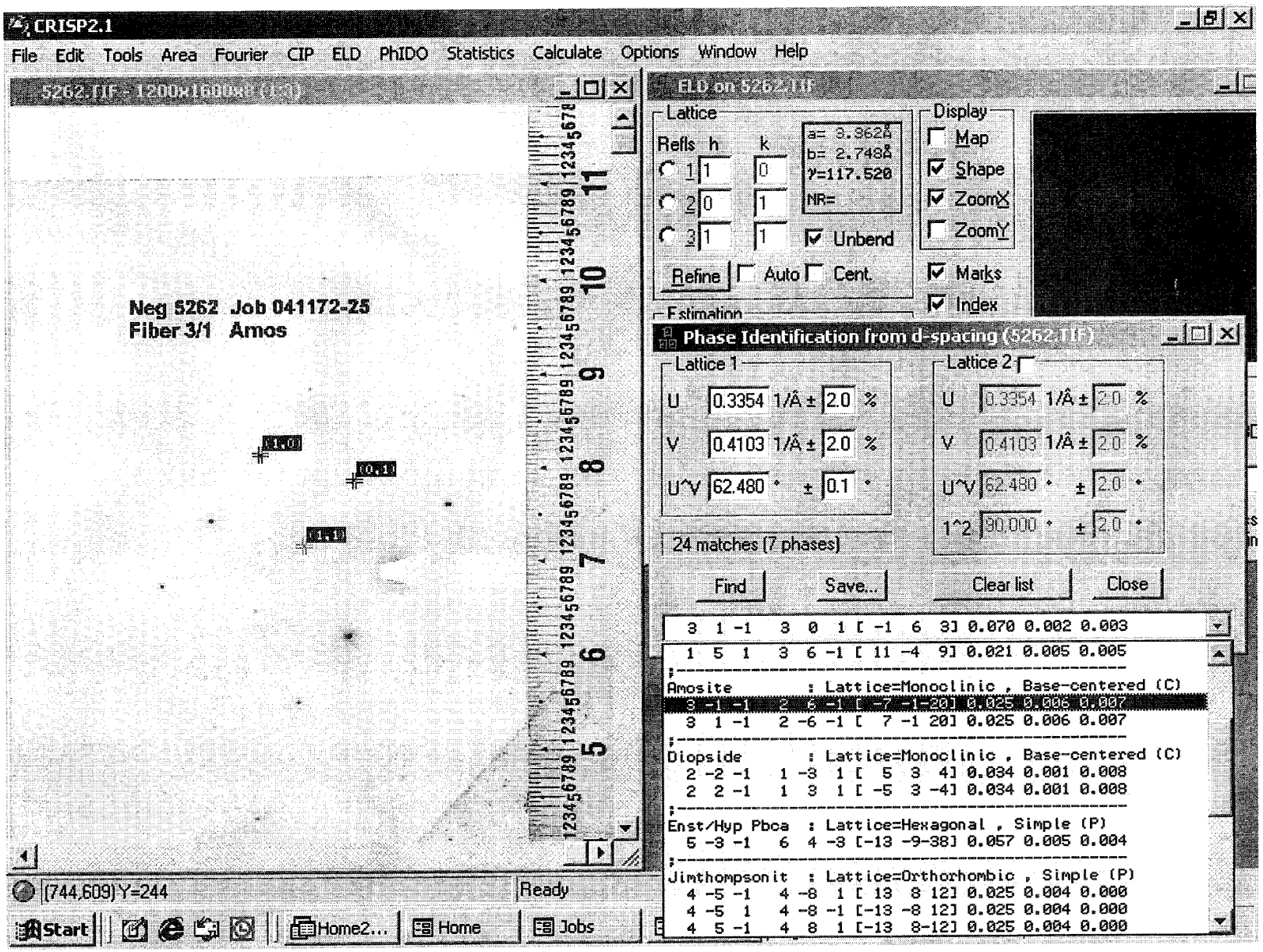
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-24-89-98**

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	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.81	(Mg/(Mg+Fe2))< 0.9
Si	7.61	

Mineral Analysis Program (Version 5.0)

AMOSITE
[7 1 20]

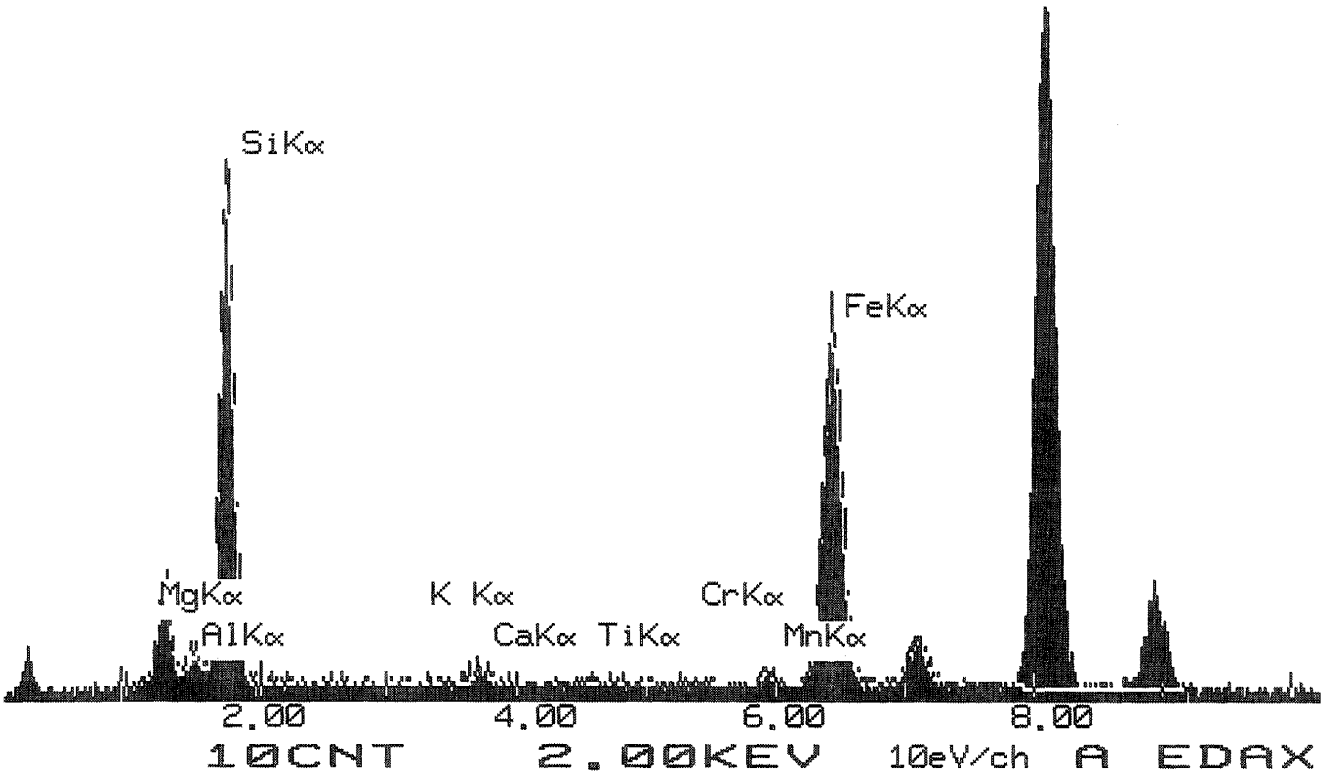


INTE-% :
LABEL = 041172-25 3/1 15181
15-OCT-72 07:59:27
107.302 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	5.154	7.086	11.749
ALK	1.575	1.301	2.458
SIK	28.499	22.038	47.147
K K	0.373	0.479	0.577
CAK	1.146	0.845	1.182
MNK	0.680	0.724	0.934
FEK	25.675	25.146	35.953
TOTAL			100.000

USED PEIF: USER

14-OCT-04 08:00:19 SUPER QUANT
RATE= 11CPS TIME= 107LSEC
FS= 409/ 409 PRST= 200LSEC
A =041172-25 3/1 15181



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	47.147	Si+4	7.2186	7.2186							
Al2O3	2.458	Al+3	0.4435	0.4435	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	35.953	Fe+3	0.6213			0.6213	0.0000				
MgO	11.749	Mg+2	2.6818			2.6818	0.0000				
MnO	0.934	Fe+2	3.9125			1.6969	2.2156				
CaO	1.182	Mn+2	0.1211			0.0000	0.1211				
Na2O	0	Ca+2	0.1939					0.0000	0.1939		
K2O	0.577	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.1127							0.1127	0.0000
Total	100		Excess	T site	0.0000	C site	2.3367	B site	0.5305806	A site	0
			Total	7.6621		5.0000		0.0000		0.1127	0.0000
			%Fill	95.776		100		0			

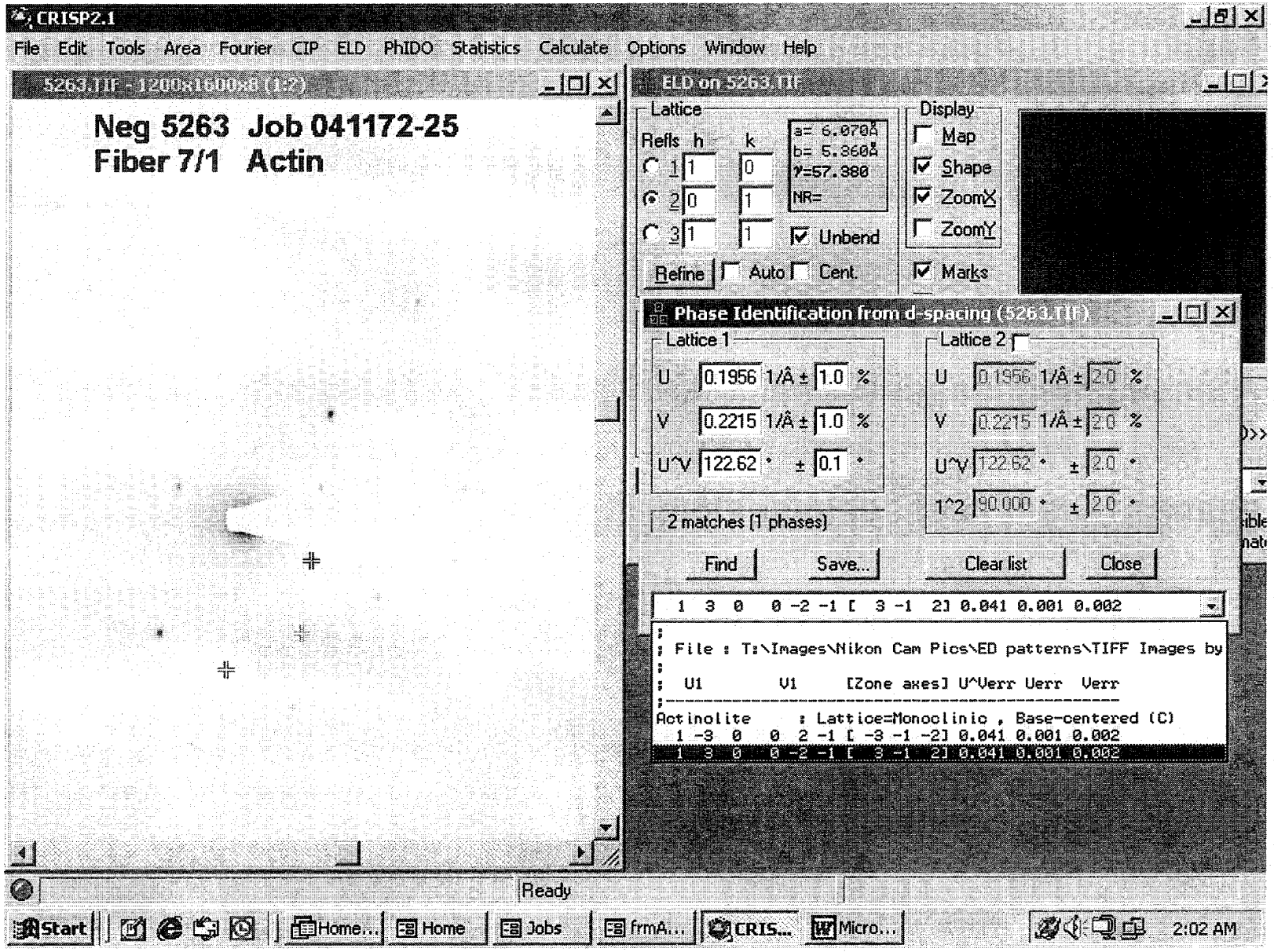
Prefix none
Name grunerite, ferro-anthophyllite, ferroholmquistite, clinoferroholmquistite
Modifier none
Group Mg-Fe-Mn Amphibole

Sample # 041172-25-3-1

Values		Satisfied Conditions
(Ca,Na)@B	0.00	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	2.00	(Mg/(Mg+Fe2))< 0.5
Mg/(Mg+Fe2)	0.41	Si > 7
Si	7.22	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 2]

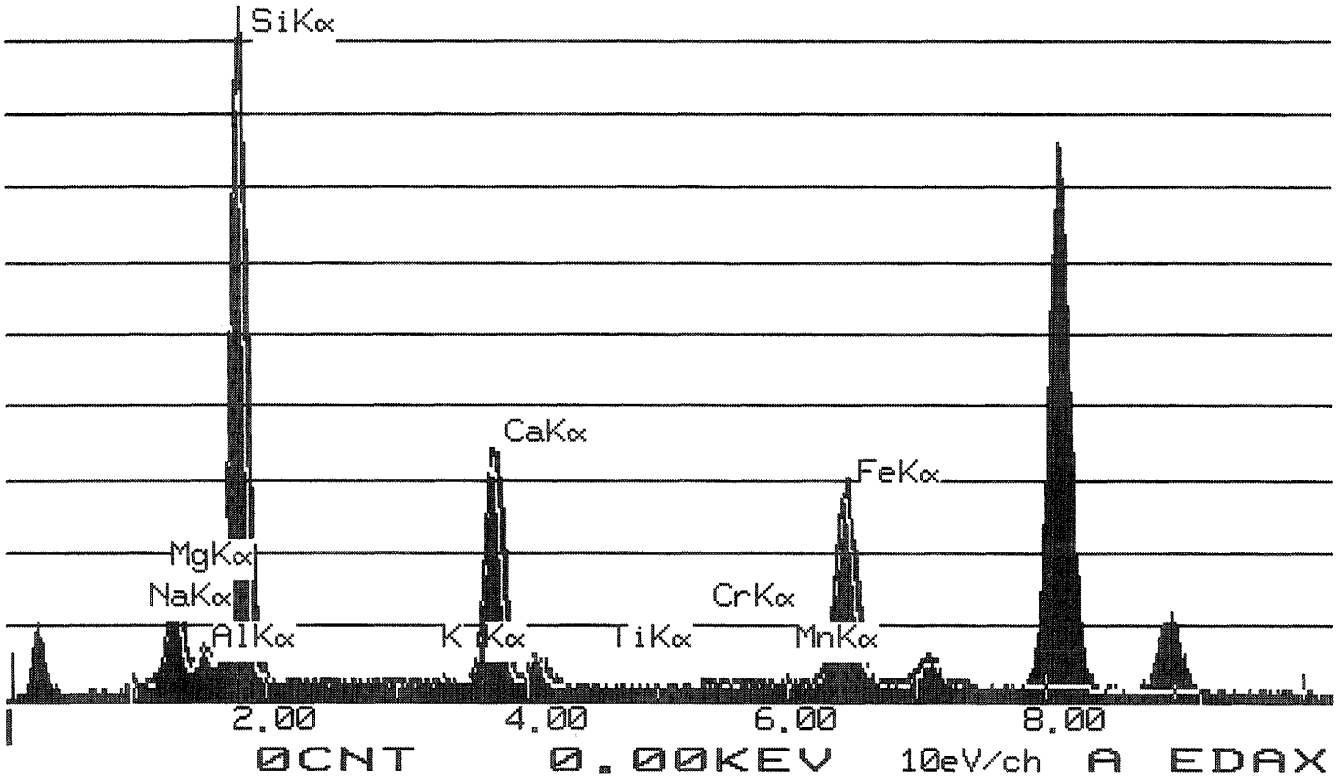


INTE-% :
LABEL = 041172-15 SP 15502
05-DEC-72 18:16:53
20.955 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	78.977	7.117	11.800
ALK	21.904	1.186	2.240
SIK	492.236	24.947	53.370
CAK	217.748	10.521	14.722
FEK	194.699	12.498	17.868
TOTAL			100.000

USED PEIF: USER

04-DEC-04 18:17:32 SUPER QUANT
RATE= 4528CPS TIME= 21LSEC
FS= 1147/ 1147 PRST= 200LSEC
A =041172-15 SP 15502



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.37	Si+4	7.7174	7.7174							
Al2O3	2.24	Al+3	0.3817	0.2826	**0.0992**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.868	Fe+3	0.0194			0.0194	0.0000				
MgO	11.8	Mg+2	2.5438			2.5438	**0.0000**				
MnO	0	Fe+2	2.1389			2.1389	**0.0000**				
CaO	14.722	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.2807					2.0000	0.2807		
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	**0.0992**	C site	**0.0000**	B site	**0.2806807**	A site	**0**
			Total	**8**		**4.8013**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**100**		**96.026**		**100**			

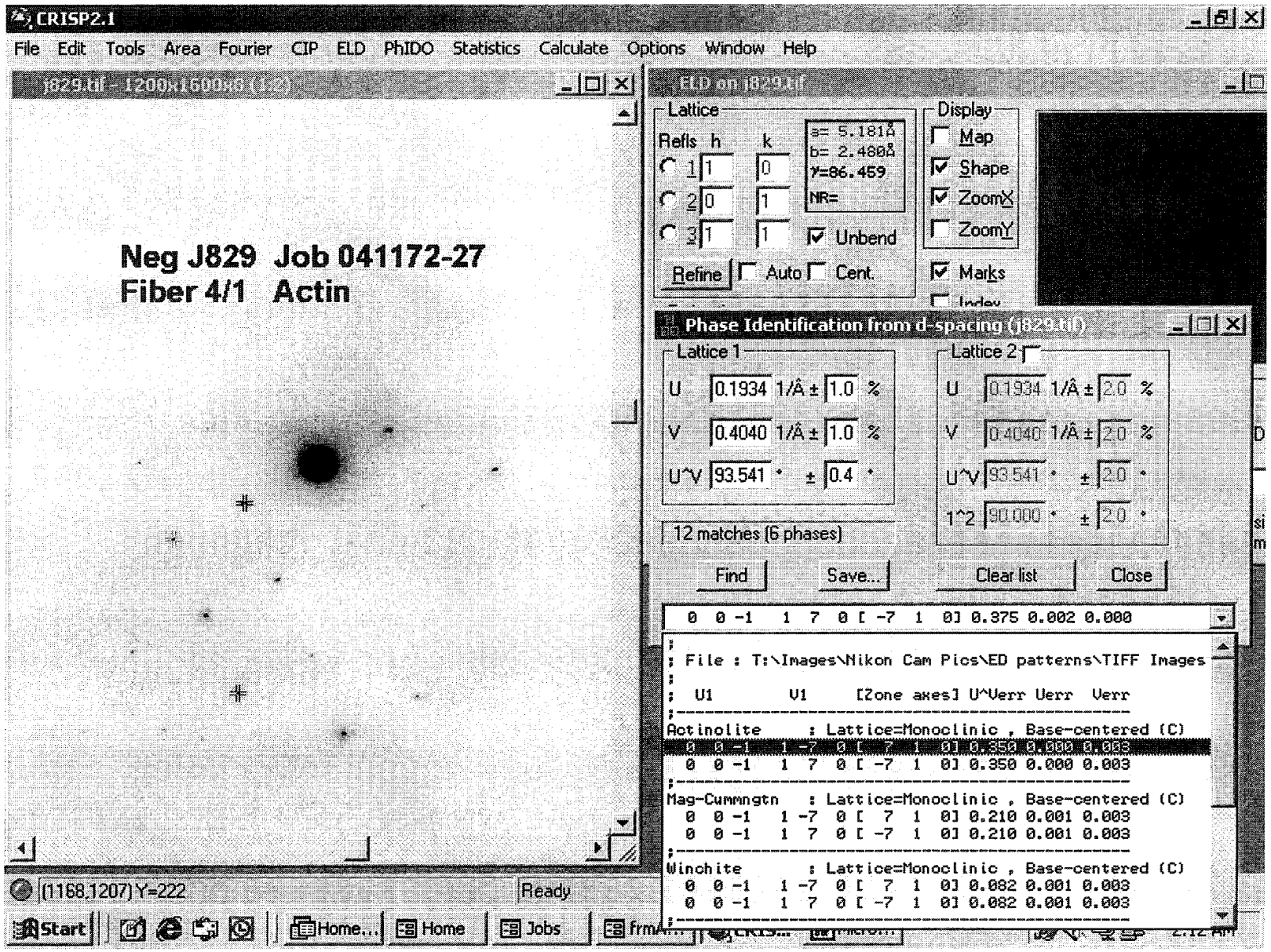
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

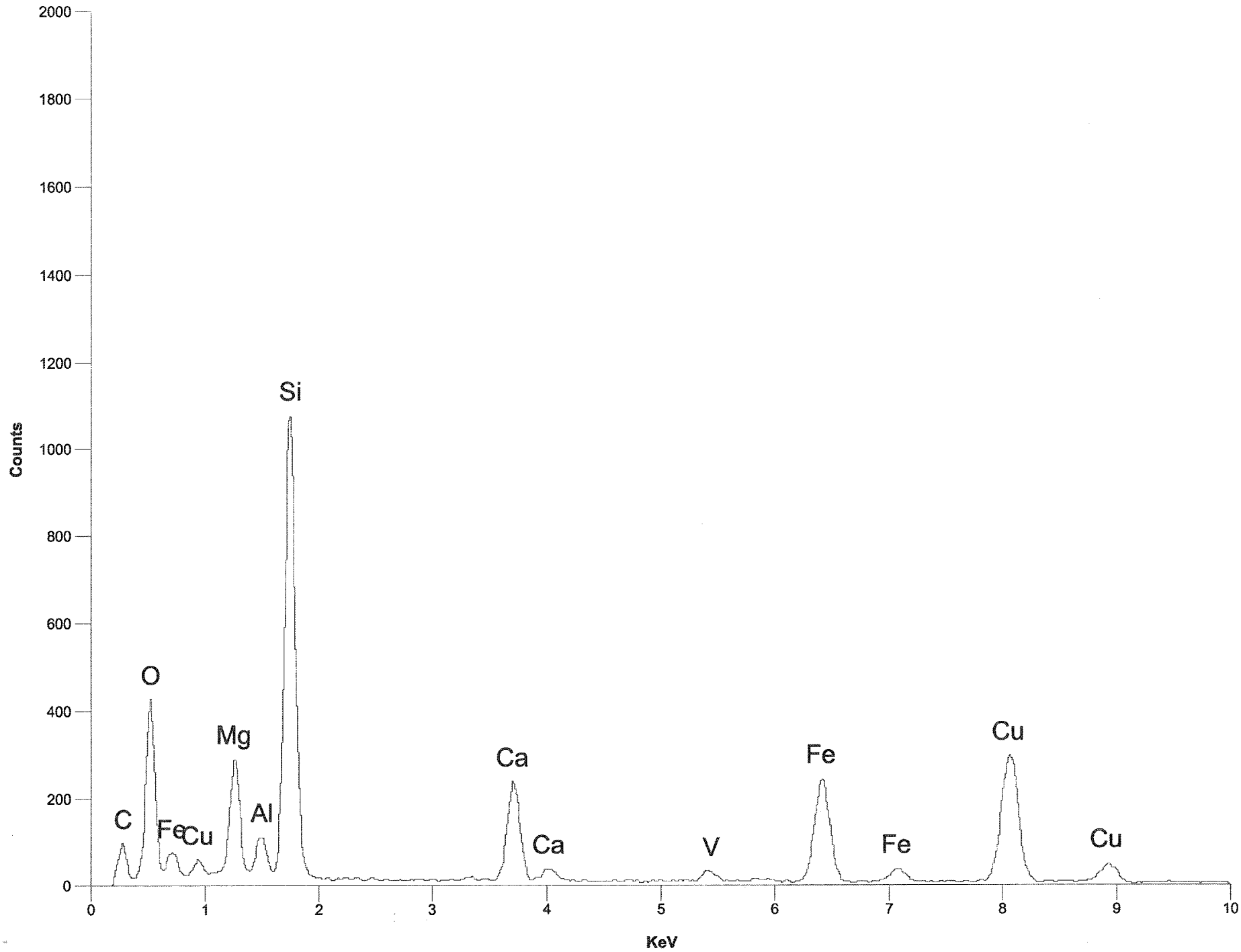
Sample # 041172-25-15502

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	7.72	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[7 1 0]





Title: 041172-27 4/17 SP575 Time: 12:00 Date: Jan 1, 1997

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.16	Si+4	7.5803	7.5803							
Al2O3	6.5	Al+3	1.0923	0.4197	**0.6726**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.3	Fe+3	0.0175			0.0175	0.0000				
MgO	10.66	Mg+2	2.2661			2.2661	**0.0000**				
MnO	0	Fe+2	1.9241			1.9241	**0.0000**				
CaO	10.03	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	3.12	Ca+2	1.5322					1.5322	0.0000		
K2O	0.23	Na+	0.8625					0.4678	**0.3947**	0.3947	0.0000
		K+	0.0418							0.0418	0.0000
Total	**100**		**Excess**	T site	**0.6726**	C site	**0.0000**	B site	**0.3947498**	A site	**0**
			Total	**8**		**4.8804**		**2.0000**		**0.4366**	**0.0000**
			%Fill	**100**		**97.6073**		**100**			

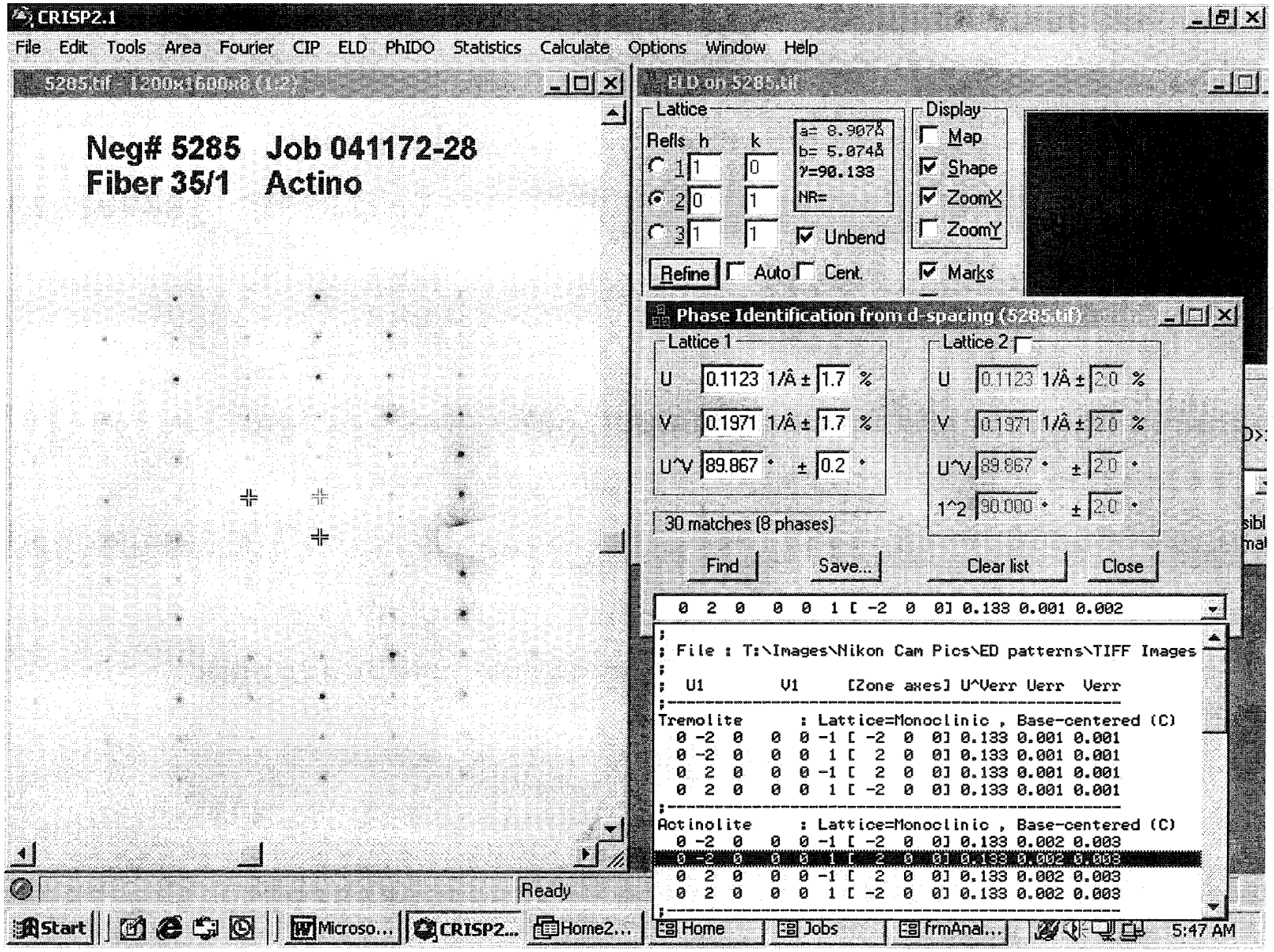
Prefix Alumino
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041172-27-4-17

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.47	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.53	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.44	Si > 7.5
Mg/(Mg+Fe2)	0.54	(Mg/(Mg+Fe2))< 0.9
Si	7.58	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[100]



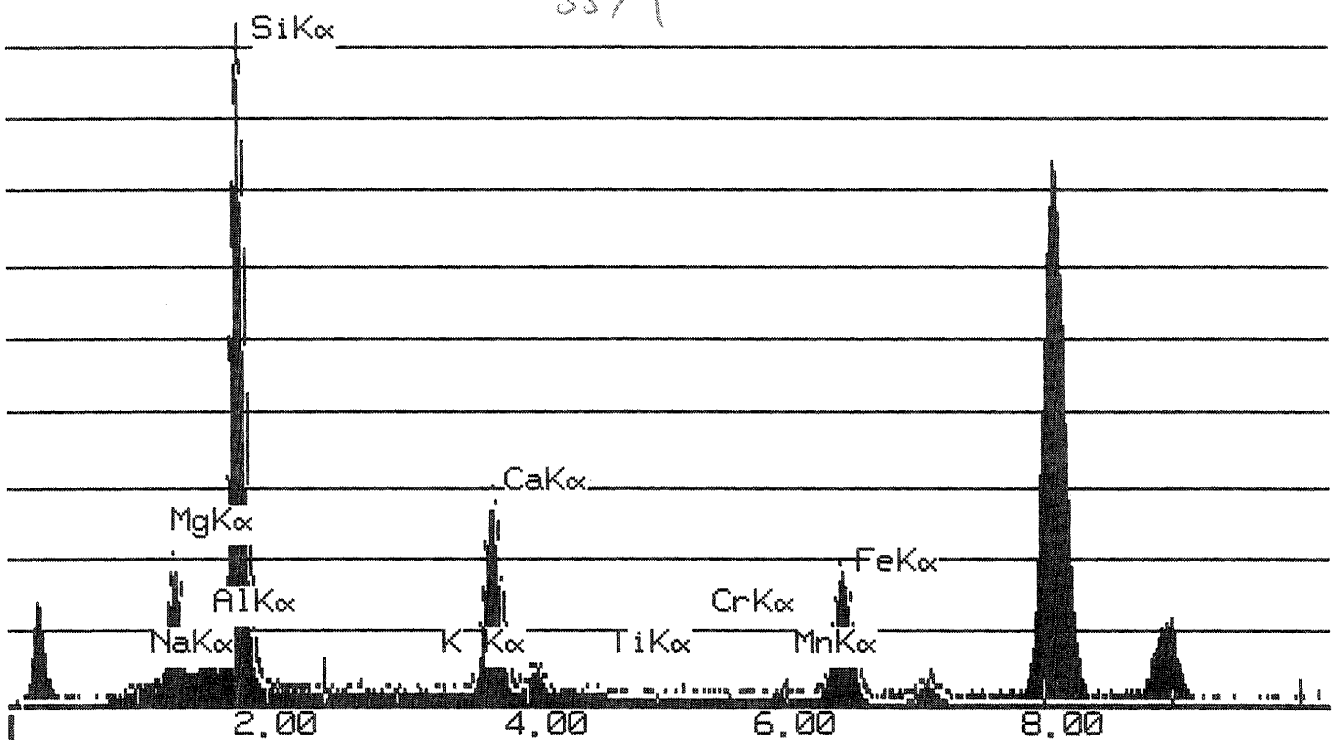
INTE-% :
LABEL = 041172-28 21/1 15185
23-NOV-72 02:06:27
131.165 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	12.404	8.975	14.881
ALK	4.475	1.945	3.675
SIK	62.509	25.437	54.419
K K	0.595	0.402	0.484
CAK	23.139	8.977	12.561
TIK	0.274	0.150	0.251
CRK	0.419	0.226	0.331
MNK	0.846	0.474	0.612
FEK	17.352	8.943	12.787

TOTAL			100.000

USED PEIF: USER

22-NOV-04 02:06:51 SUPER QUANT
RATE= 11CPS TIME= 131LSEC
FS= 885/ 885 PRST= 200LSEC
A =041172-28 ~~21/1~~ 15185
35/1



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.419	Si+4	7.6558	7.6558							
Al2O3	3.675	Al+3	0.6093	0.3442	**0.2651**						
TiO2	0.251	Ti+4	0.0266	0.0000	**0.0266**						
Cr2O3	0.331	Cr+3	0.0368			0.0368	0.0000				
Fe(total)O	12.786	Fe+3	0.0812			0.0812	0.0000				
MgO	14.881	Mg+2	3.1210			3.1210	**0.0000**				
MnO	0.612	Fe+2	1.4139			1.4139	**0.0000**				
CaO	12.561	Mn+2	0.0729			0.0555	**0.0174**				
Na2O	0	Ca+2	1.8931					1.8931	0.0000		
K2O	0.484	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0869							0.0869	0.0000
Total	100		Excess	T site	**0.2916**	C site	**0.0174**	B site	**0**	A site	**0**
			Total	8		5.0000		1.8931		0.0869	0.0000
			%Fill	100		100		94.6574			

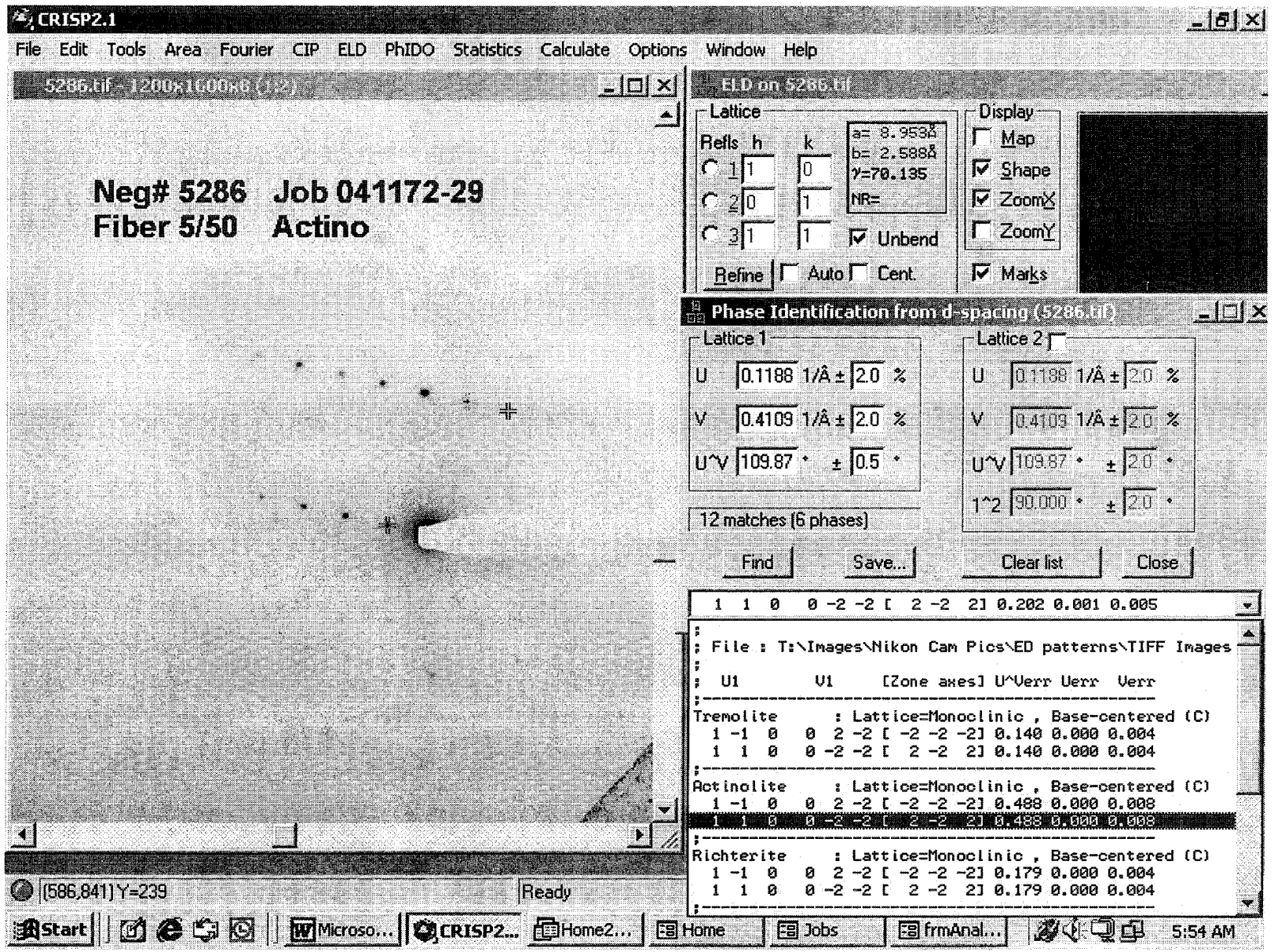
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-28-15185

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	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.69	(Mg/(Mg+Fe2))< 0.9
Si	7.66	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 -1 1]



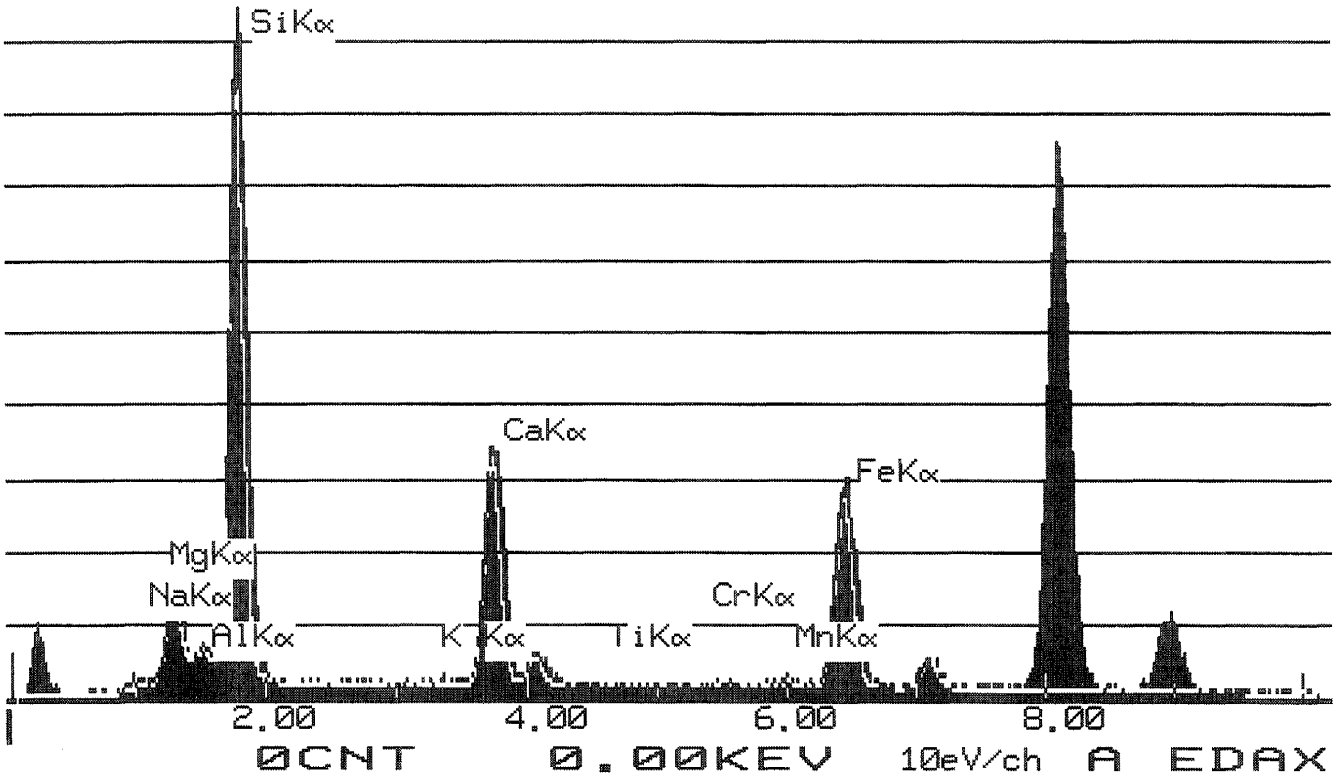
INTE-% :
LABEL = 041172-29 SP 15503
05-DEC-72 18:22:26
20.955 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	74.348	6.730	11.159
ALK	10.164	0.553	1.044
SIK	487.607	24.824	53.107
K K	1.957	0.166	0.199
CAK	220.373	10.696	14.966
MNK	5.106	0.358	0.462
FEK	206.773	13.333	19.062

TOTAL			100.000

USED PEIF: USER

04-DEC-04 18:23:04 SUPER QUANT
RATE= 10CPS TIME= 21LSEC
FS= 1147/ 1147 PRST= 200LSEC
A =041172-29 SP 15503



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.107	Si+4	7.7680	7.7680							
Al2O3	1.044	Al+3	0.1800	0.1800	**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	19.062	Fe+3	0.0210			0.0210	0.0000				
MgO	11.159	Mg+2	2.4334			2.4334	**0.0000**				
MnO	0.462	Fe+2	2.3082			2.3082	**0.0000**				
CaO	14.966	Mn+2	0.0572			0.0572	**0.0000**				
Na2O	0	Ca+2	2.3452					2.0000	0.3452		
K2O	0.199	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0371							0.0371	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0.3452322**	A site	**0**
			Total	**7.948**		**4.8197**		**2.0000**		**0.0371**	**0.0000**
			%Fill	**99.35**		**96.3948**		**100**			

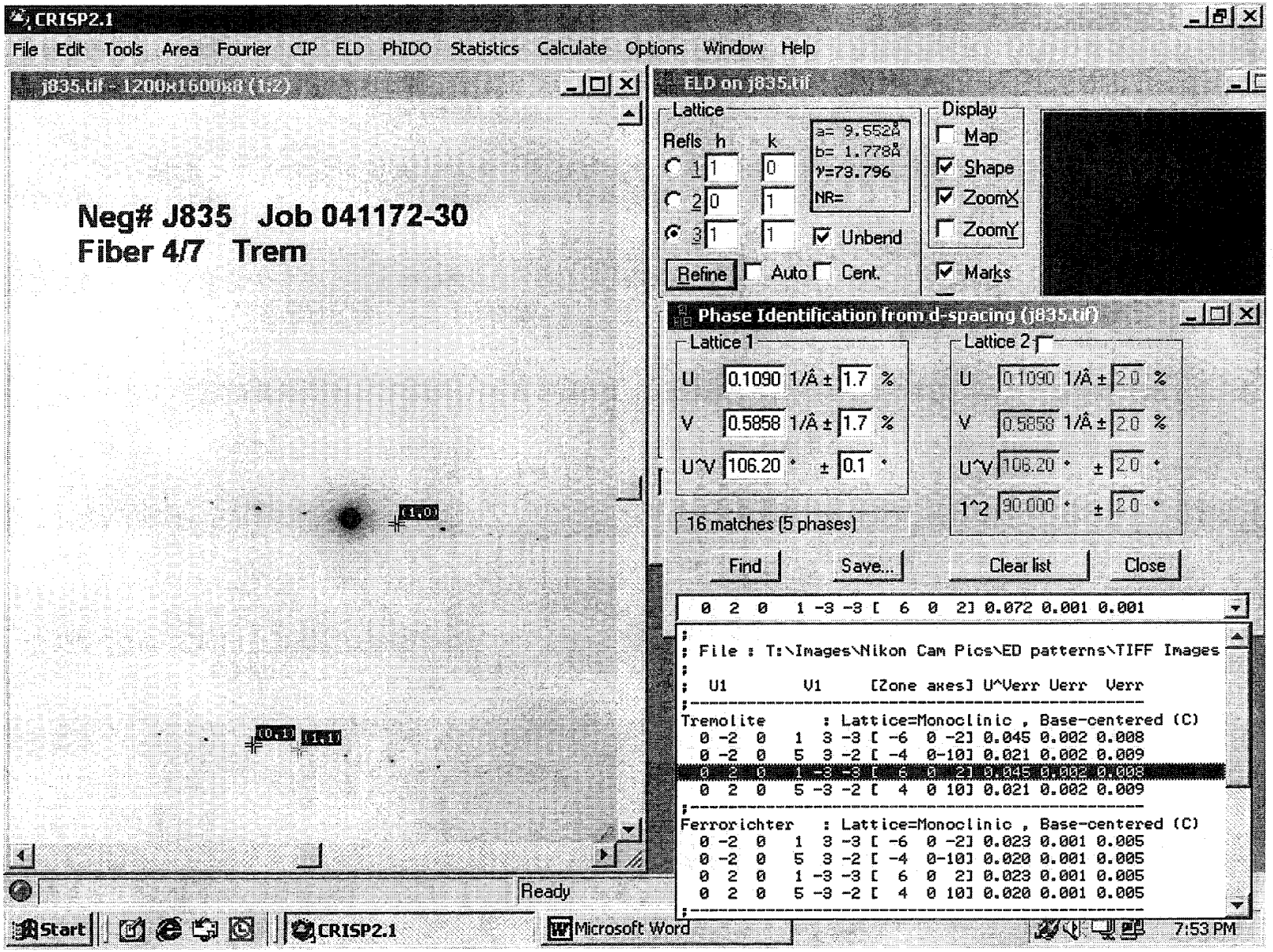
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

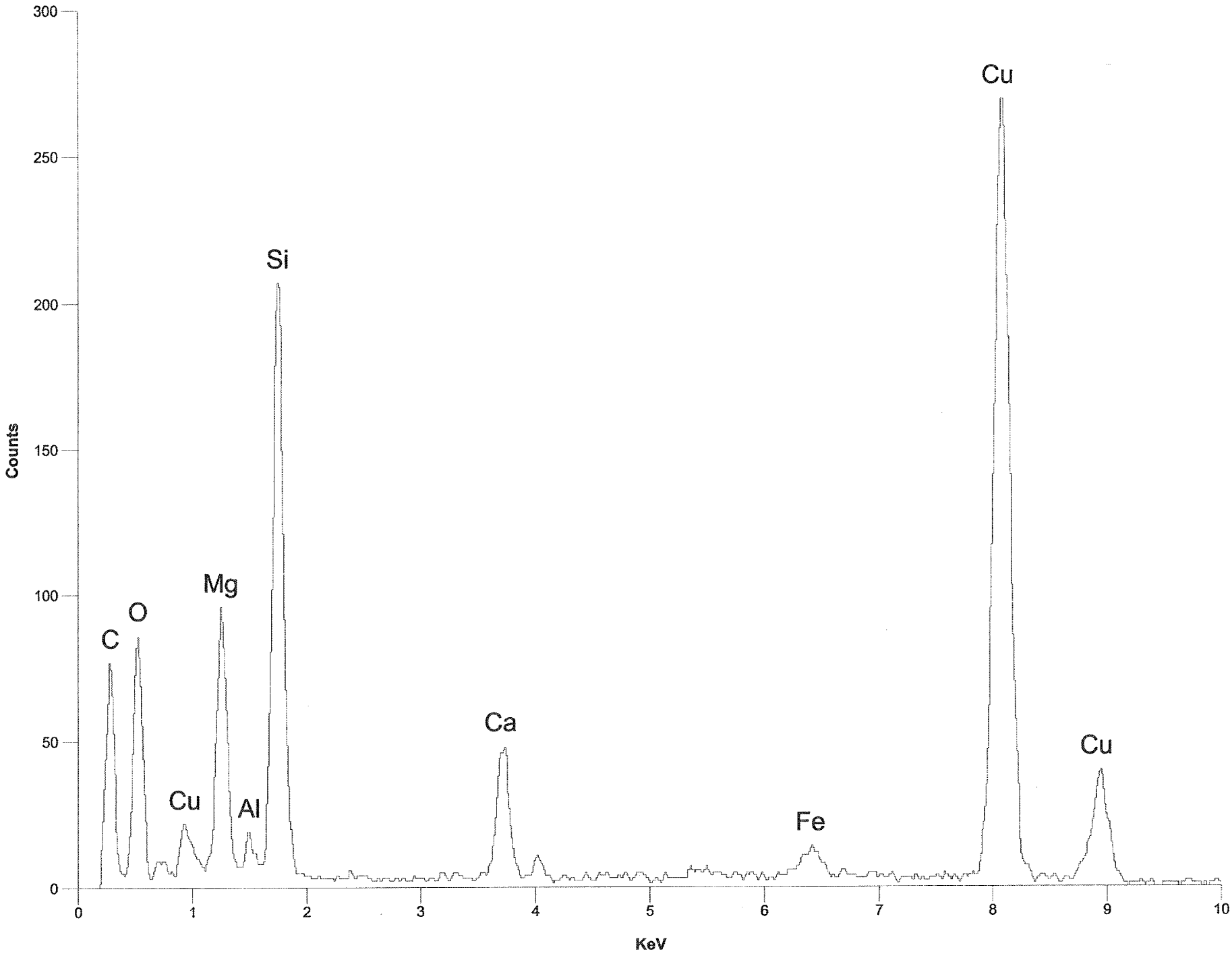
Sample # **041172-29-15503**

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)	0.51	(Mg/(Mg+Fe2))< 0.9
Si	7.77	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[3 0 1]





Title: 041172-30 4/7 580

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.02	Si+4	7.7396	7.7396							
Al2O3	3.16	Al+3	0.4968	0.2604	**0.2364**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.22	Fe+3	0.2076			0.2076	0.0000				
MgO	23.22	Mg+2	4.6177			4.5561	**0.0616**				
MnO	0	Fe+2	0.2401			0.0000	**0.2401**				
CaO	11.03	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.03	Ca+2	1.5763					1.5763	0.0000		
K2O	0.31	Na+	0.0078					0.0078	**0.0000**	0.0000	0.0000
		K+	0.0527							0.0527	0.0000
Total	**99.99**		**Excess**	T site	**0.2364**	C site	**0.3017**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.5841**		**0.0527**	**0.0000**
			%Fill	**100**		**100**		**79.2027**			

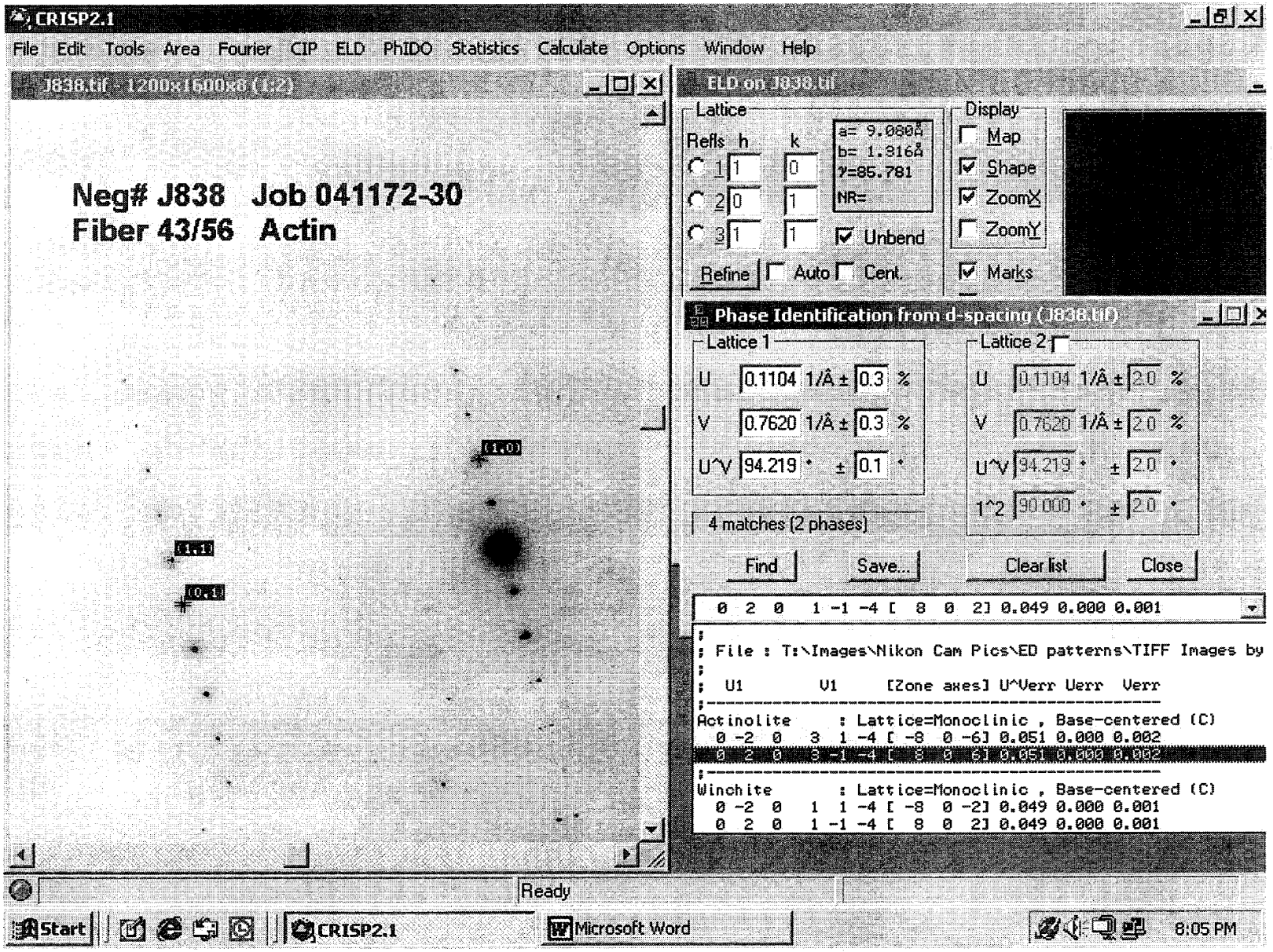
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

041172
Sample # **041086-30-4-7**

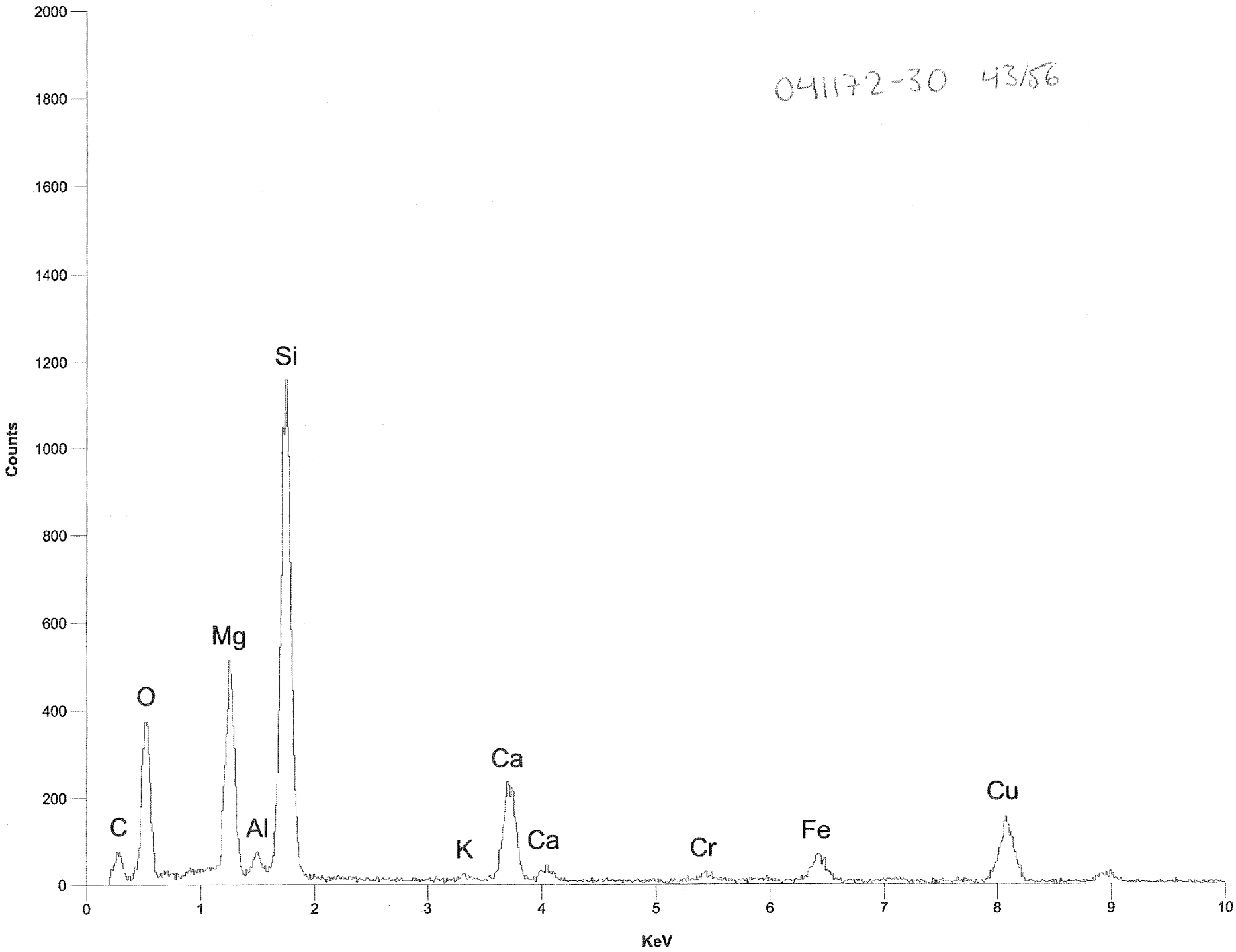
Values		Satisfied Conditions
(Ca,Na)@B	1.58	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.01	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.58	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.95	(Mg/(Mg+Fe2))>= 0.9
Si	7.74	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[4 0 3]



041172-30 43/56



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.68	Si+4	8.0000	8.0000							
Al2O3	2.6	Al+3	0.4118	0.0000	**0.4118**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.34	Fe+3	0.0048			0.0048	0.0000				
MgO	19.89	Mg+2	3.9807			3.9807	**0.0000**				
MnO	0	Fe+2	0.4831			0.4831	**0.0000**				
CaO	11.25	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	2.01	Ca+2	1.6185					1.6185	0.0000		
K2O	0.24	Na+	0.5246					0.3815	**0.1431**	0.1431	0.0000
		K+	0.0418							0.0418	0.0000
Total	**100.01**		**Excess**	T site	**0.4118**	C site	**0.0000**	B site	**0.1431153**	A site	**0**
			Total	**8**		**4.8804**		**2.0000**		**0.1849**	**0.0000**
			%Fill	**100**		**97.6085**		**100**			

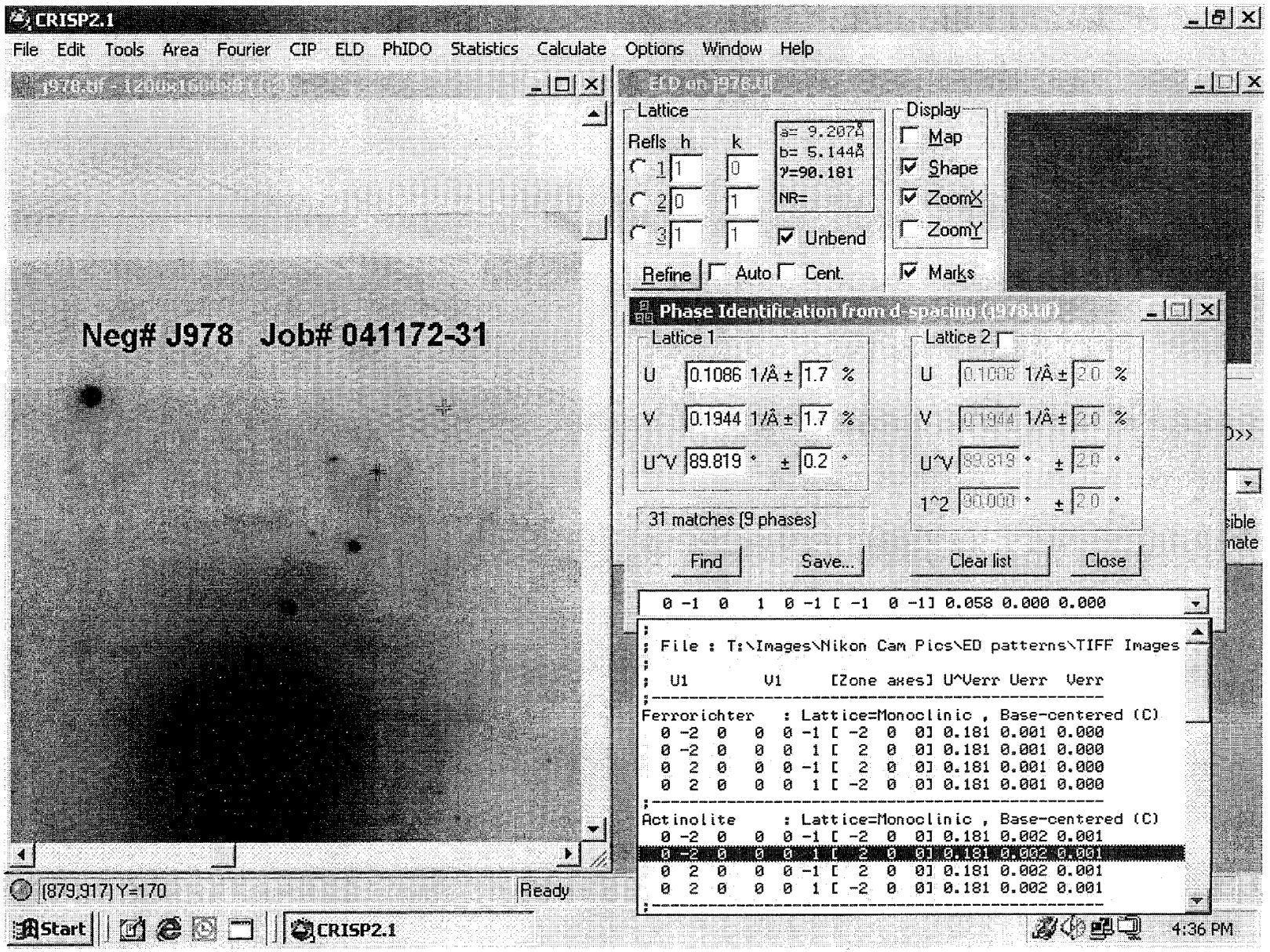
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

041172
Sample # **041086-30-43-56**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.38	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.62	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.18	Si > 7.5
Mg/(Mg+Fe2)	0.89	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]



*
x SQMIF

SQMIF: QUANTIFY
Standardless Analysis

Chi-sqd = 6.92

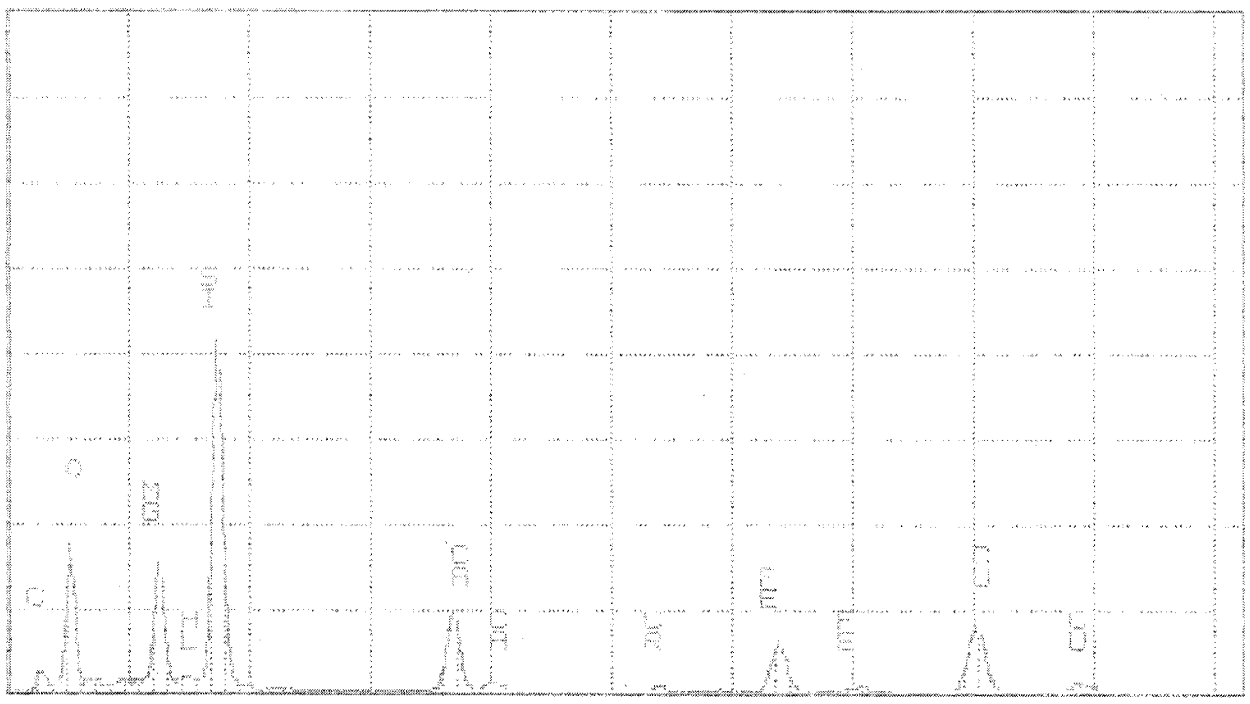
Element	Net Counts
Si-K	23337 +/- 281
Mg-K	7768 +/- 128A
Al-K	801 +/- 135
K -K	95 +/- 89
Ca-K	7029 +/- 166
Fe-K	5013 +/- 143
Na-K	365 +/- 149

MSEKS	EDS:SIK	EDS:MGK	EDS:ALK	EDS:K K	EDS:CAK	EDS:FEK	EDS:

041172-31 SP/11

EL-LINE	PEAK	K-FACTOR	CAL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	23337	1.000	1.000	21.50	27.78	59.53	SIO2
MG-K	7768	1.000	0.334	8.35	9.25	15.41	MGO
AL-K	801	0.710	0.026	0.57	0.72	1.35	AL2O3
K -K	95	1.060	0.004	0.07	0.12	0.15	K2O
CA-K	7029	0.949	0.286	4.31	7.95	11.13	CAO
FE-K	5013	1.399	0.301	3.29	8.36	11.94	FE2O3
NA-K	365	0.545	0.009	0.73	0.24	0.49	NA2O
O			1.641	61.74	45.59		

TN-R600 University of Washington / JEOL WED 03-NOV-04 10:51
Dwell: 0.200KeV = 0



70 041172-31 SP/11

1.30
*

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.53	Si+4	8.0000	8.0000							
Al2O3	1.35	Al+3	0.2362	0.0000	0.2362						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.94	Fe+3	0.0232			0.0232	0.0000				
MgO	15.41	Mg+2	3.2083			3.2083	0.0000				
MnO	0	Fe+2	1.3860			1.3860	0.0000				
CaO	11.13	Mn+2	0.0000			0.0000	0.0000				
Na2O	0.49	Ca+2	1.6738					1.6738	0.0000		
K2O	0.15	Na+	0.1728					0.1728	0.0000	0.0000	0.0000
		K+	0.0448							0.0448	0.0000
Total	100		Excess	T site	0.2362	C site	0.0000	B site	0	A site	0
			Total	8		4.8537		1.8466		0.0448	0.0000
			%Fill	100		97.0744		92.3313			

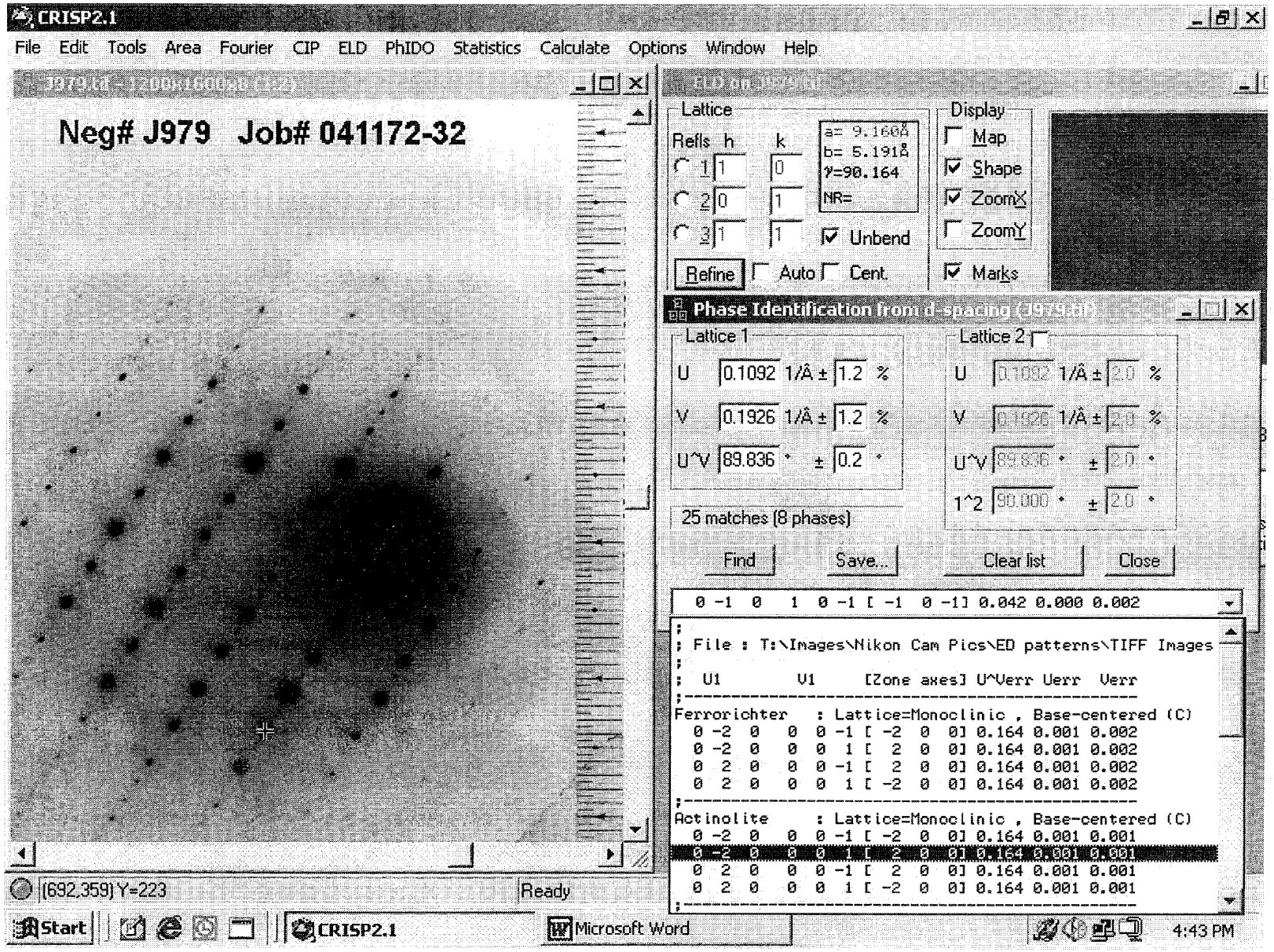
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-31-711

Values		Satisfied Conditions
(Ca,Na)@B	1.85	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.17	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.67	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.70	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]



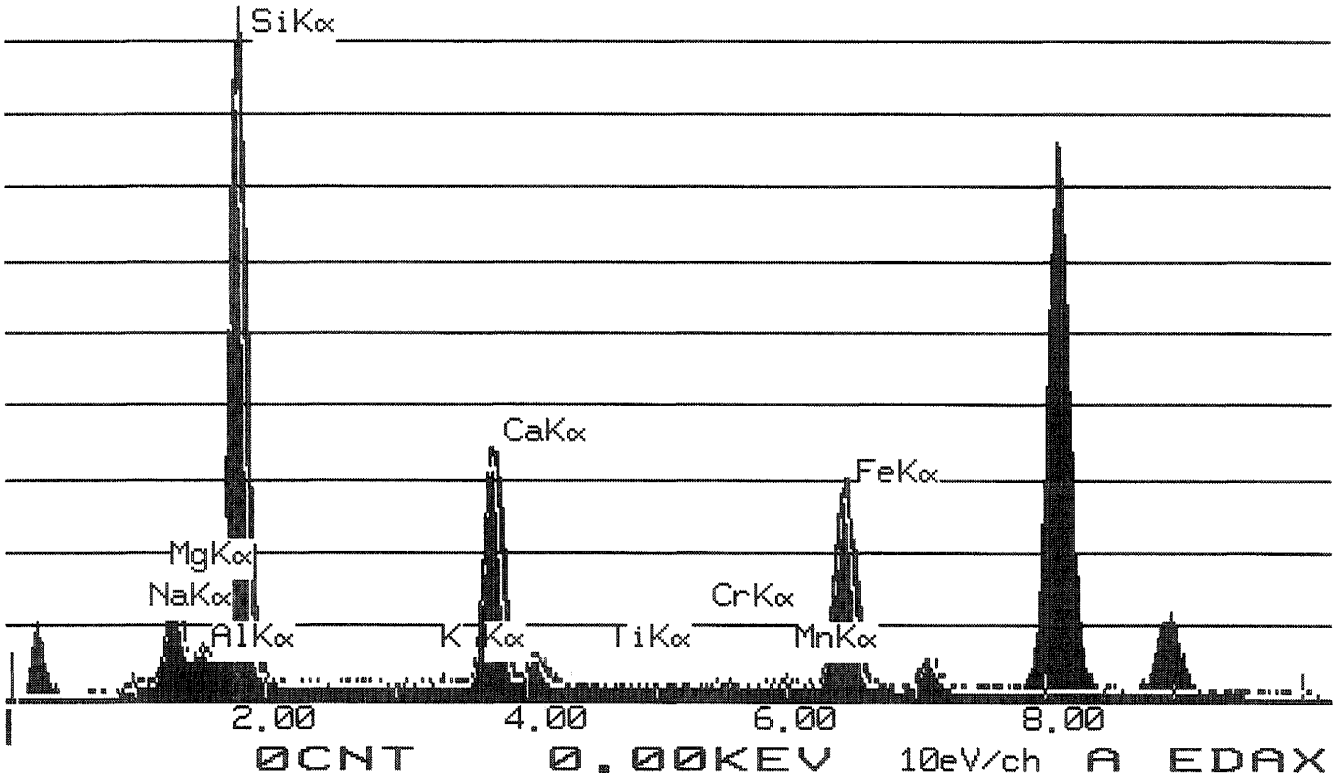
INTE-% :
LABEL = 041172-32 SP 15504
05-DEC-72 18:35:51
20.955 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	74.348	6.730	11.159
ALK	10.164	0.553	1.044
SIK	487.607	24.824	53.107
K K	1.957	0.166	0.199
CAK	220.373	10.696	14.966
MNK	5.106	0.358	0.462
FEK	206.773	13.333	19.062

TOTAL			100.000

USED PEIF: USER

04-DEC-04 18:36:30 SUPER QUANT
RATE= 66CPS TIME= 21LSEC
FS= 1147/ 1147 PRST= 200LSEC
A =041172-32 SP 15504



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.107	Si+4	7.7680	7.7680							
Al2O3	1.044	Al+3	0.1800	0.1800	**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	19.062	Fe+3	0.0210			0.0210	0.0000				
MgO	11.159	Mg+2	2.4334			2.4334	**0.0000**				
MnO	0.462	Fe+2	2.3082			2.3082	**0.0000**				
CaO	14.966	Mn+2	0.0572			0.0572	**0.0000**				
Na2O	0	Ca+2	2.3452					2.0000	0.3452		
K2O	0.199	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0371							0.0371	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0.3452322**	A site	**0**
			Total	**7.948**		**4.8197**		**2.0000**		**0.0371**	**0.0000**
			%Fill	**99.35**		**96.3948**		**100**			

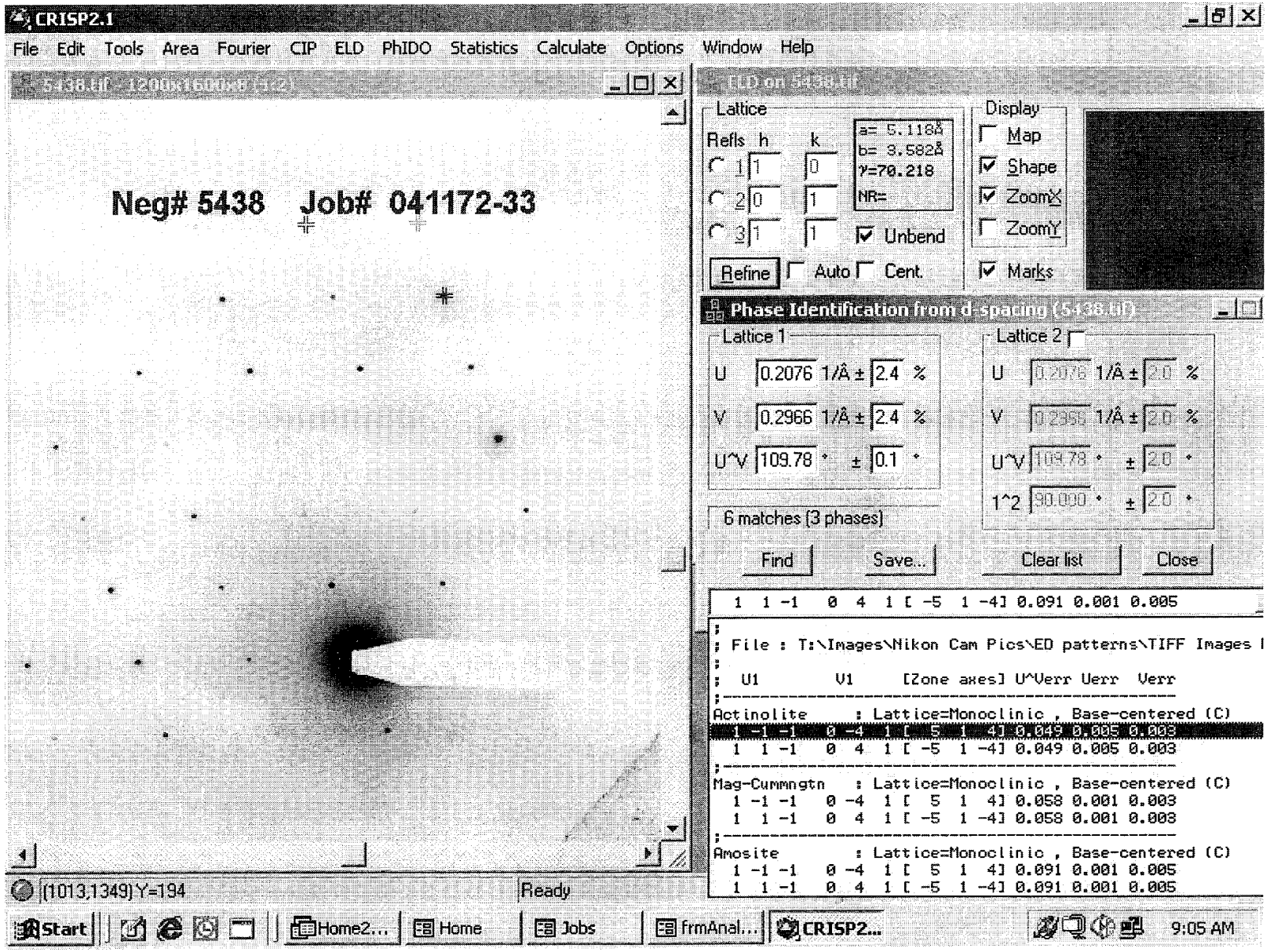
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-32-15504**

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)	0.51	(Mg/(Mg+Fe2))< 0.9
Si	7.77	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 4]

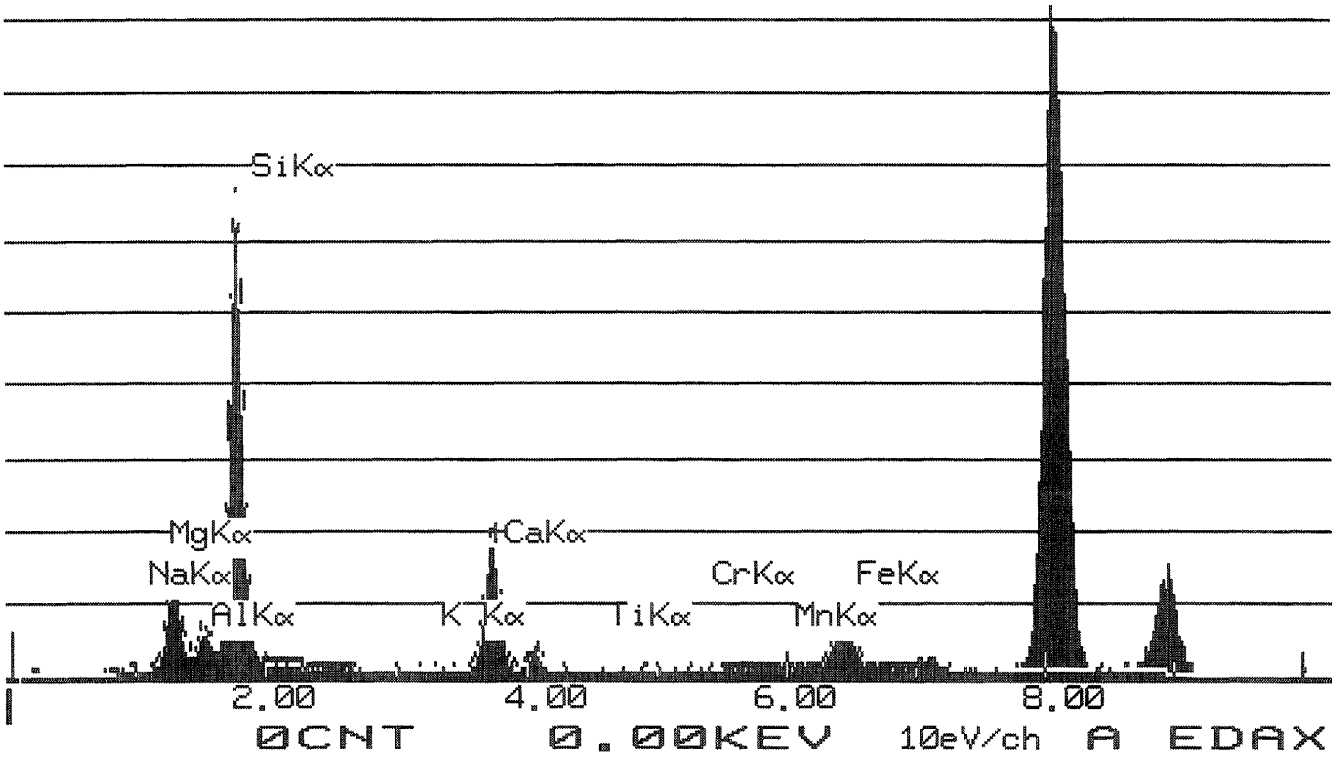


INTE-% :
LABEL = 041172-33 SP 15505
05-DEC-72 18:42:21
32.520 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	59.102	10.573	17.532
ALK	18.911	2.032	3.840
SIK	264.237	26.587	56.879
K K	2.245	0.375	0.452
CAK	94.557	9.071	12.692
FEK	47.232	6.019	8.606
TOTAL			100.000

USED PEIF: USER

04-DEC-04 18:43:00 SUPER QUANT
RATE= 45CPS TIME= 32LSEC
FS= 1294/ 1294 PRST= 200LSEC
A =041172-33 SP 15505



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.879	Si+4	7.7956	7.7956							
Al2O3	3.84	Al+3	0.6202	0.2044	**0.4158**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.606	Fe+3	0.0178			0.0178	0.0000				
MgO	17.532	Mg+2	3.5822			3.5822	**0.0000**				
MnO	0	Fe+2	0.9666			0.9666	**0.0000**				
CaO	12.692	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8636					1.8636	0.0000		
K2O	0.452	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0790							0.0790	0.0000
Total	**100.001**		**Excess**	T site	**0.4158**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9823**		**1.8636**		**0.0790**	**0.0000**
			%Fill	**100**		**99.6468**		**93.179**			

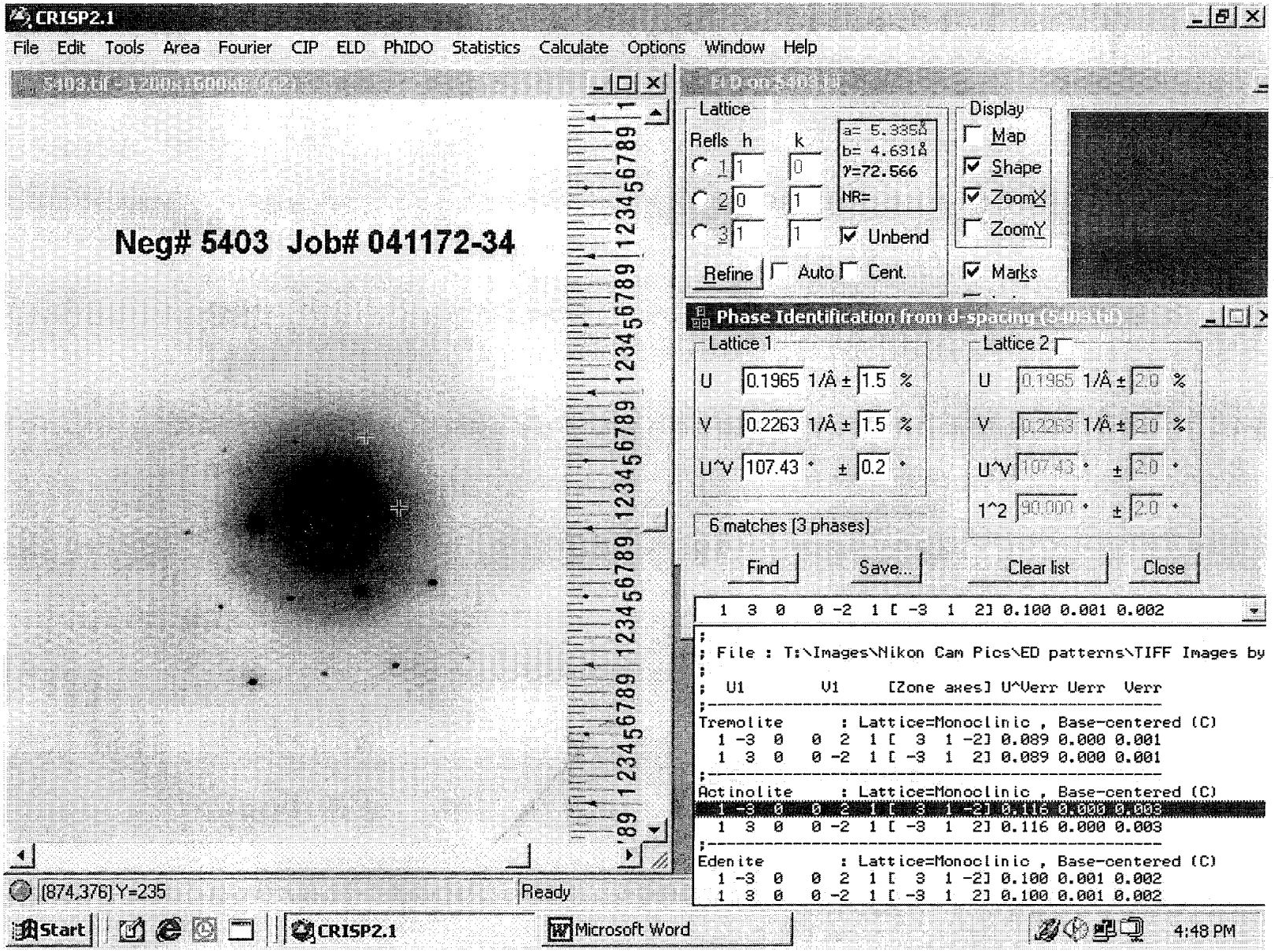
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-33-15505**

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)	0.79	(Mg/(Mg+Fe2))< 0.9
Si	7.80	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 1 -2]

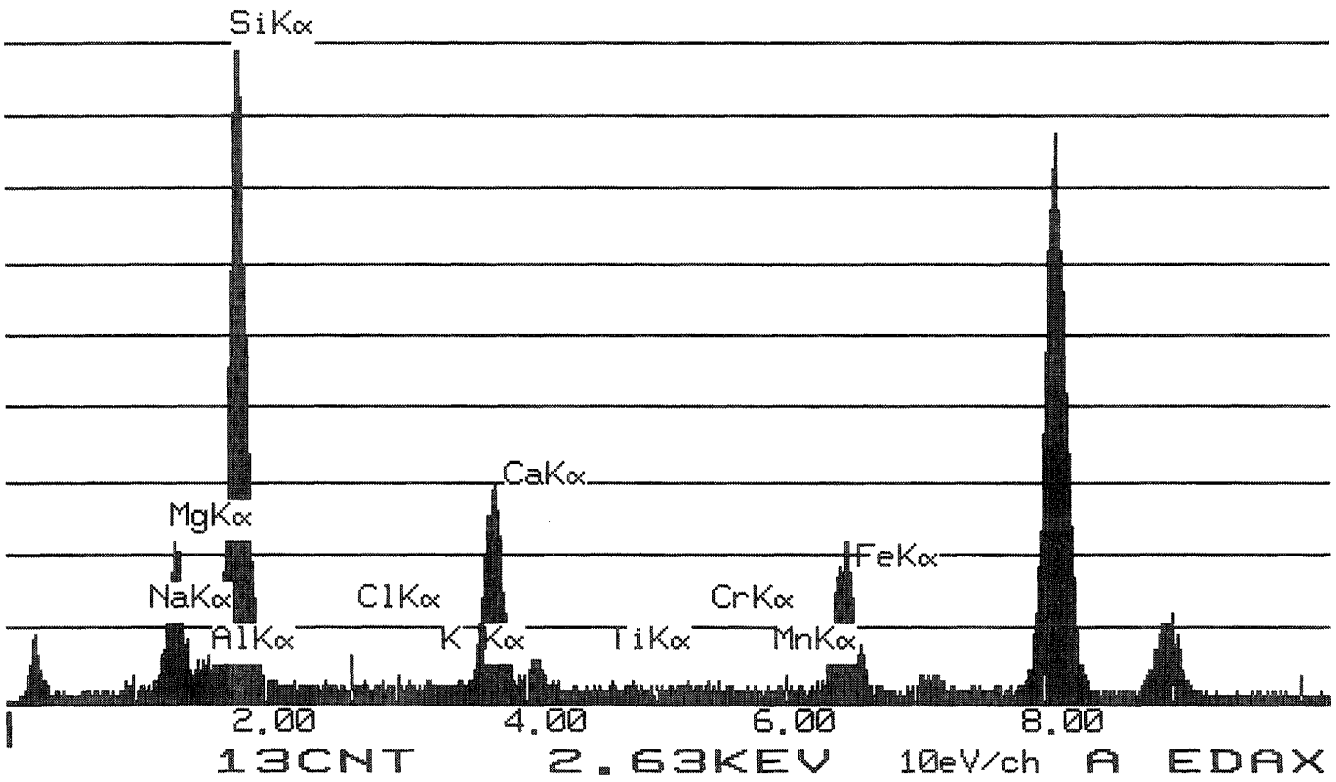


INTE-% :
LABEL =
04-NOV-72 10:51:48
46.426 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	32.482	8.783	14.563
ALK	4.480	0.728	1.375
SIK	175.226	26.649	57.011
CAK	66.105	9.585	13.411
TIK	0.388	0.079	0.132
FEK	49.046	9.447	13.507
TOTAL			100.000

USED PEIF: USER

03-NOV-04 10:52:58 SUPER QUANT
RATE= 139CPS TIME= 46LSEC
FS= 893/ 893 PRST= 200LSEC
A =041172-34 15299



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.011	Si+4	7.9924	7.9924							
Al2O3	1.375	Al+3	0.2272	0.0076	**0.2195**						
TiO2	0.132	Ti+4	0.0139	0.0000	**0.0139**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.507	Fe+3	0.0142			0.0142	0.0000				
MgO	14.563	Mg+2	3.0436			3.0436	**0.0000**				
MnO	0	Fe+2	1.5675			1.5675	**0.0000**				
CaO	13.411	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.0142					2.0000	0.0142		
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	**0.2334**	C site	**0.0000**	B site	**0.0141836**	A site	**0**
			Total	8		4.8588		2.0000		0.0000	0.0000
			%Fill	100		97.1767		100			

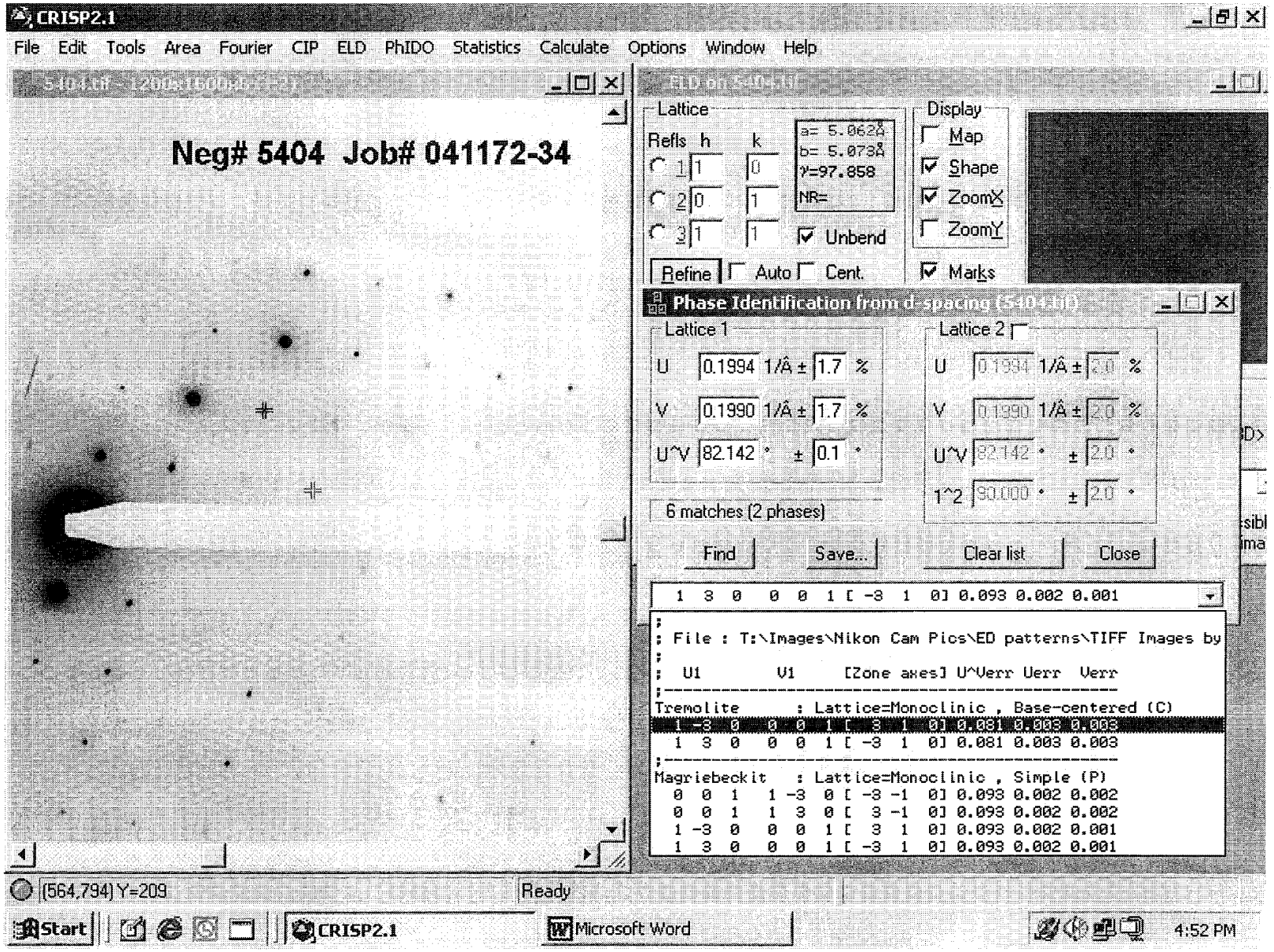
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041172-34-15299

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)	0.66	(Mg/(Mg+Fe2))< 0.9
Si	7.99	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[3 1 0]



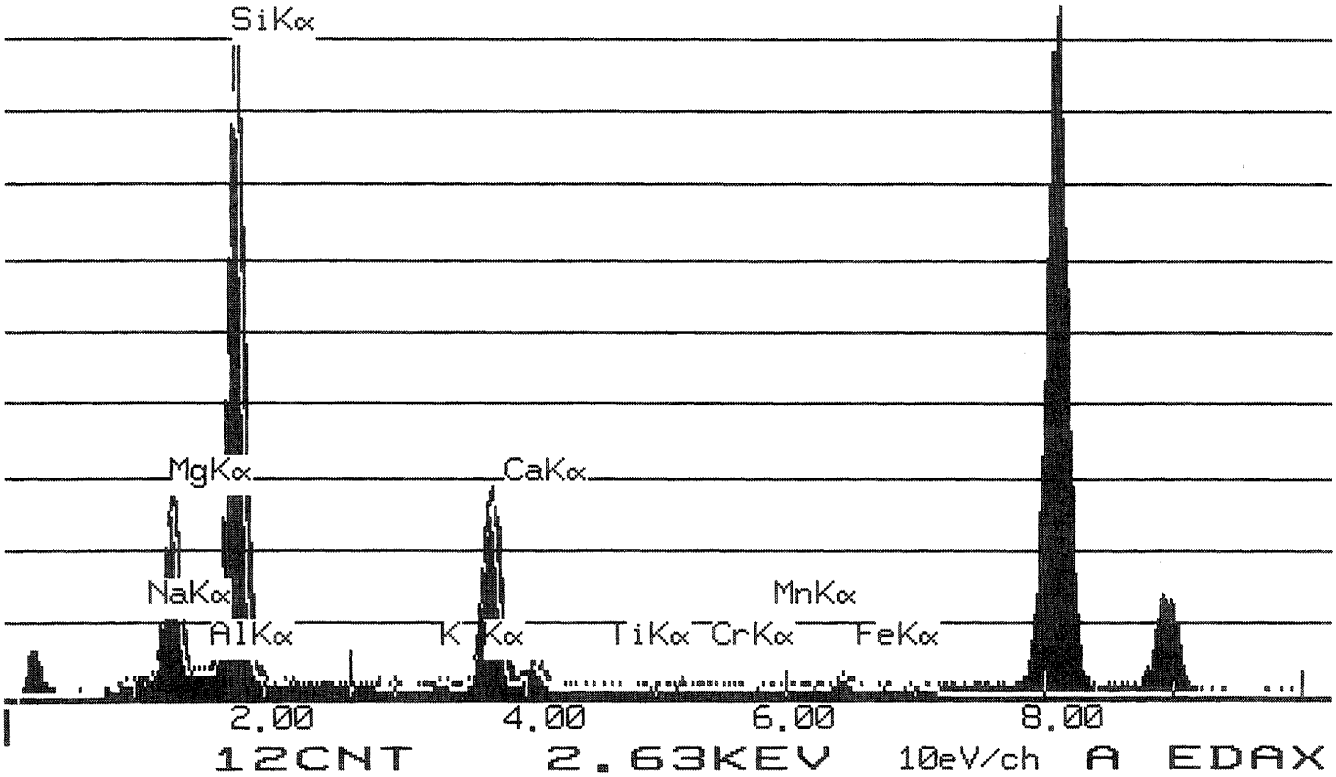
INTE-% :
LABEL = 041172-34 15300
04-NOV-72 19:57:27
30.460 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	82.830	13.505	22.393
ALK	2.626	0.257	0.486
SIK	308.504	28.290	60.522
K K	2.035	0.310	0.374
CAK	112.213	9.811	13.727
TIK	1.510	0.186	0.311
CRK	2.167	0.264	0.385
MNK	2.003	0.253	0.326
FEK	8.897	1.033	1.477

TOTAL			100.000

USED PEIF: USER

03-NOV-04 19:57:41 SUPER QUANT
RATE= 5601CPS TIME= 30LSEC
FS= 1033/ 1033 PRST= 200LSEC
A =041172-34 15300



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.522	Si+4	8.0000	8.0000							
Al2O3	0.486	Al+3	0.0803	0.0000	**0.0803**						
TiO2	0.311	Ti+4	0.0363	0.0000	**0.0363**						
Cr2O3	0.385	Cr+3	0.0432			0.0432	0.0000				
Fe(total)O	1.477	Fe+3	0.0041			0.0041	0.0000				
MgO	22.393	Mg+2	4.4570			4.4570	**0.0000**				
MnO	0.326	Fe+2	0.1686			0.1686	**0.0000**				
CaO	13.727	Mn+2	0.0426			0.0426	**0.0000**				
Na2O	0	Ca+2	1.9662					1.9662	0.0000		
K2O	0.374	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0679							0.0679	0.0000
Total	**100.001**		**Excess**	T site	**0.1166**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8321**		**1.9662**		**0.0679**	**0.0000**
			%Fill	**100**		**96.6411**		**98.3098**			

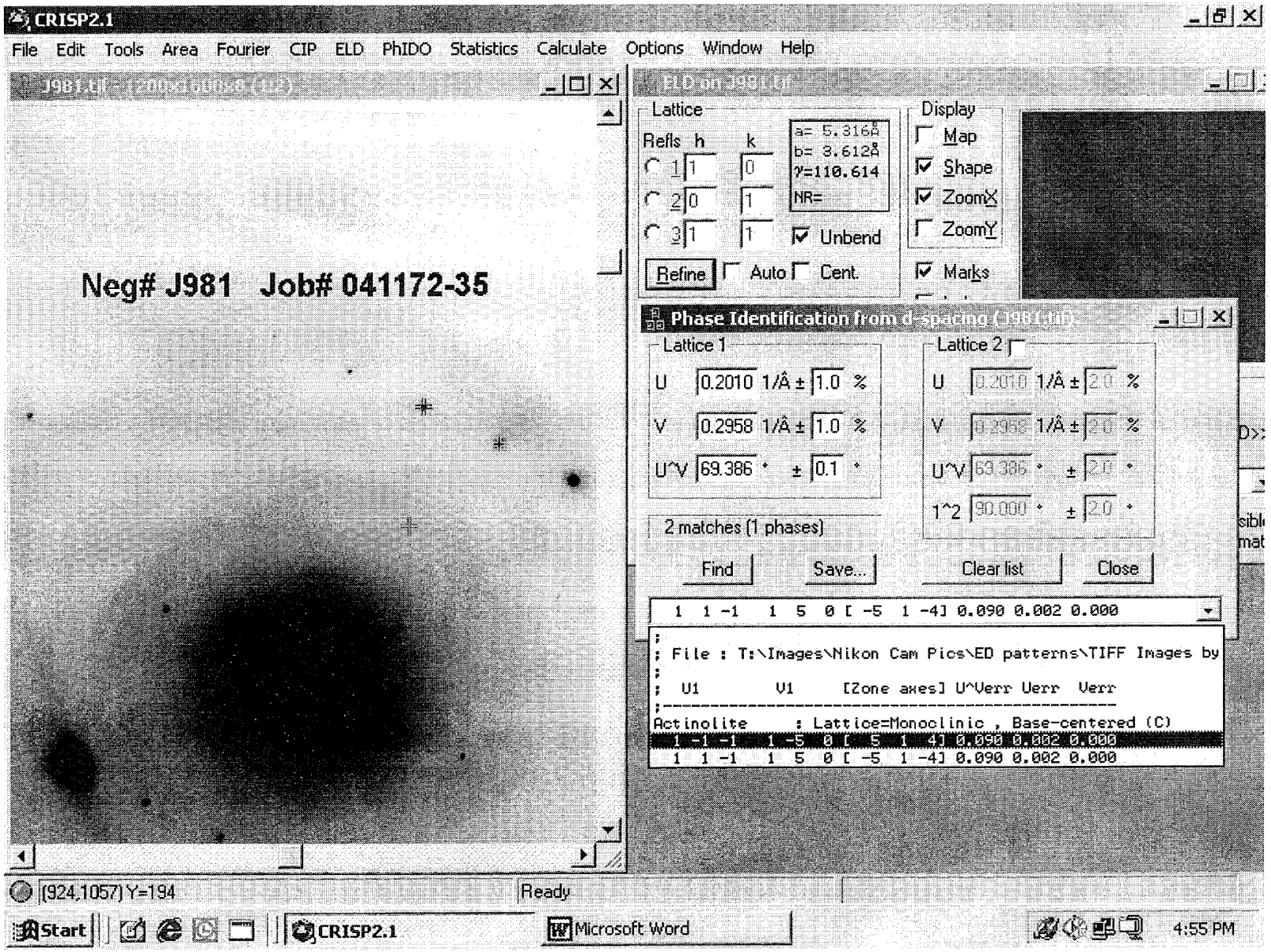
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # **041172-34-15300**

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	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.96	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 4]



```
*
 0,0
*
 ** 'SQMTF'

SQMTF: QUANTIFY
 Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
 Refit _ALK' _ALK" _NAK
Chi-sqd = 1.20
```

Element	Net Counts
Si-K	4616 +/- 117
Mg-K	2043 +/- 90
Al-K	477 +/- 58
K -K	32 +/- 23
Ca-K	2128 +/- 94
Fe-K	1876 +/- 88
Na-K	0 +/- 0

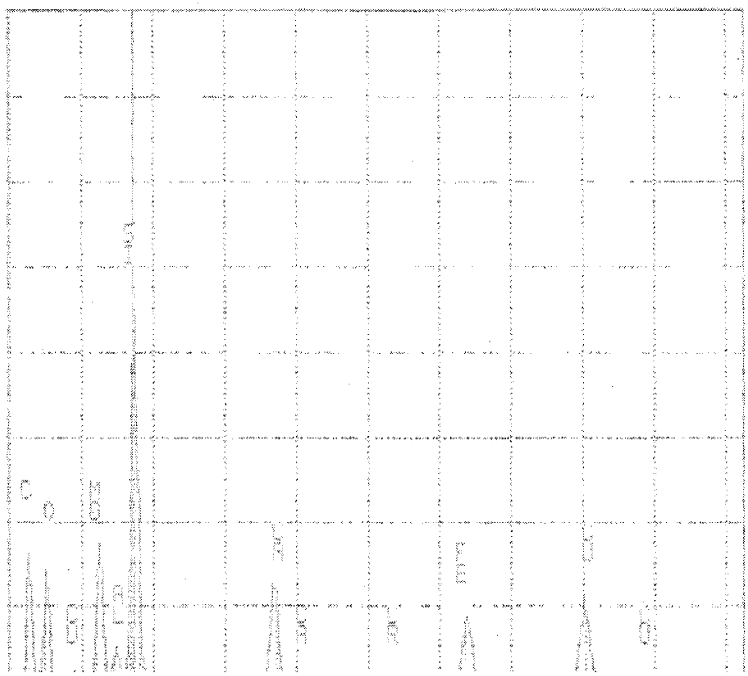
```
REF.S  EDS:SIK     EDS:MGK     EDS:ALK     EDS:K K     EDS:CAK     EDS:FEK
  EDS:NAK

941172-35 #15
```

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	4616	1.000	1.000	28.88	26.60	56.99	SIO2
MG-K	2043	1.000	0.089	7.52	8.22	13.69	MGO
AL-K	477	0.750	0.064	1.17	1.44	2.72	AL2O3
K-K	32	1.000	0.005	0.08	0.14	0.17	K2O
CA-K	2128	0.949	0.204	4.45	8.10	11.34	CAO
FE-K	1876	1.399	0.097	4.15	10.56	15.04	FEYNA
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O
O			1.000	41.75	44.95		

TN-2500 University of Washington / UW THU 04-NOV-94 20:50

Current 1.700keV = 617



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.99	Si+4	7.9675	7.9675							
Al2O3	2.72	Al+3	0.4481	0.0325	0.4157						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.09	Fe+3	0.1587			0.1587	0.0000				
MgO	13.69	Mg+2	2.8533			2.8533	0.0000				
MnO	0	Fe+2	1.5877			1.5723	0.0154				
CaO	11.34	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.6985					1.6985	0.0000		
K2O	0.17	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0303							0.0303	0.0000
Total	100		Excess	T site	0.4157	C site	0.0154	B site	0	A site	0
			Total	8		5.0000		1.6985		0.0303	0.0000
			%Fill	100		100		84.9237			

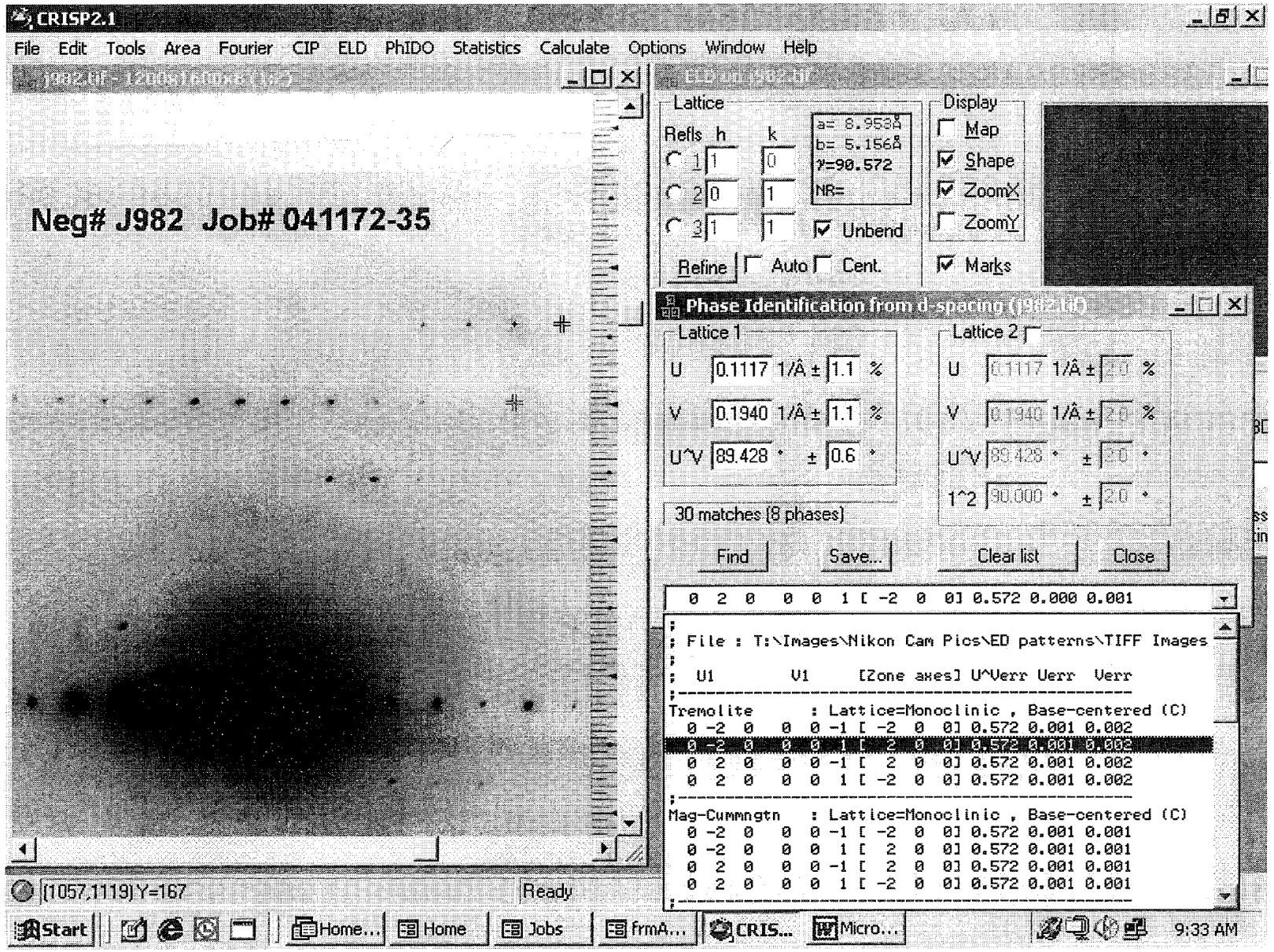
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-35-715

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	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.64	(Mg/(Mg+Fe2))< 0.9
Si	7.97	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[1 0 0]



SOMTF: QUANTIFY
Standardless Analysis
*X SOMTF
SOMTF -3R/80
Refit _NAK' _NAK"
Refit _ALK' _ALK" _K K' _K K" _NAK
Chi-sqd = 1.04

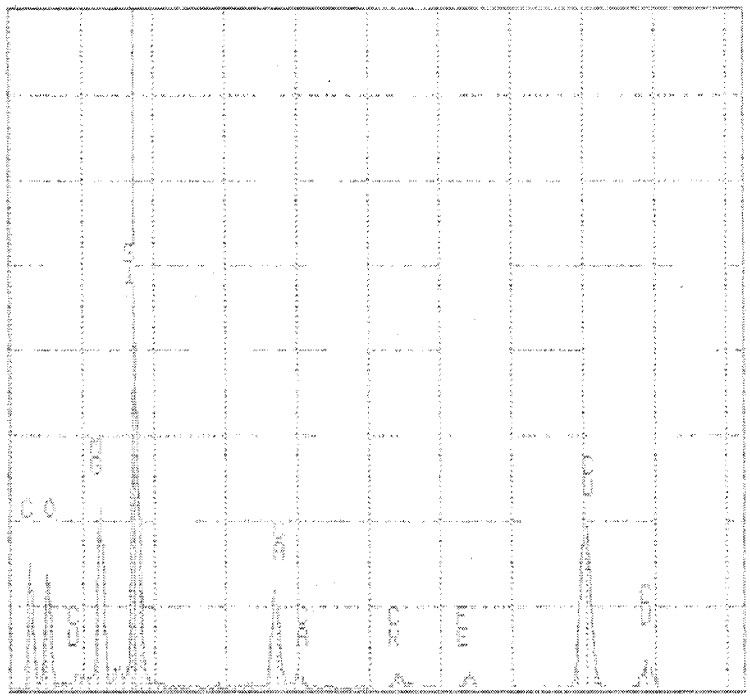
Element	Net Counts	
Si-K	6089 +/-	112
Mg-K	2588 +/-	93
Al-K	248 +/-	50
K-K	33 +/-	22
Ca-K	1949 +/-	91
Fe-K	325 +/-	55
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FE-K
EDS:NAK

041172-3S 716

EL-LINE	PEAK	K-FACTOR	CEL/CHEF	ATOM%	EL WT%	WT%	FORMULA
SI-K	6089	1.000	1.000	21.77	49.01	69.17	SIO2
MG-K	2588	1.000	0.424	10.76	12.30	20.49	MGO
AL-K	248	0.750	0.031	0.69	0.89	1.48	AL2O3
K-K	33	1.060	0.006	0.09	0.17	0.20	K2O
CA-K	1949	0.949	0.304	4.48	8.82	12.35	CAO
FE-K	325	1.399	0.075	0.61	2.17	3.10	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.000	61.24	46.44		

TN-5500 University of Washington / DFO THU 04-NOV-04 01:05
Current 1 (80kV = 579



0.00 VFS = 1024 10.240

7S 041172-3S 716

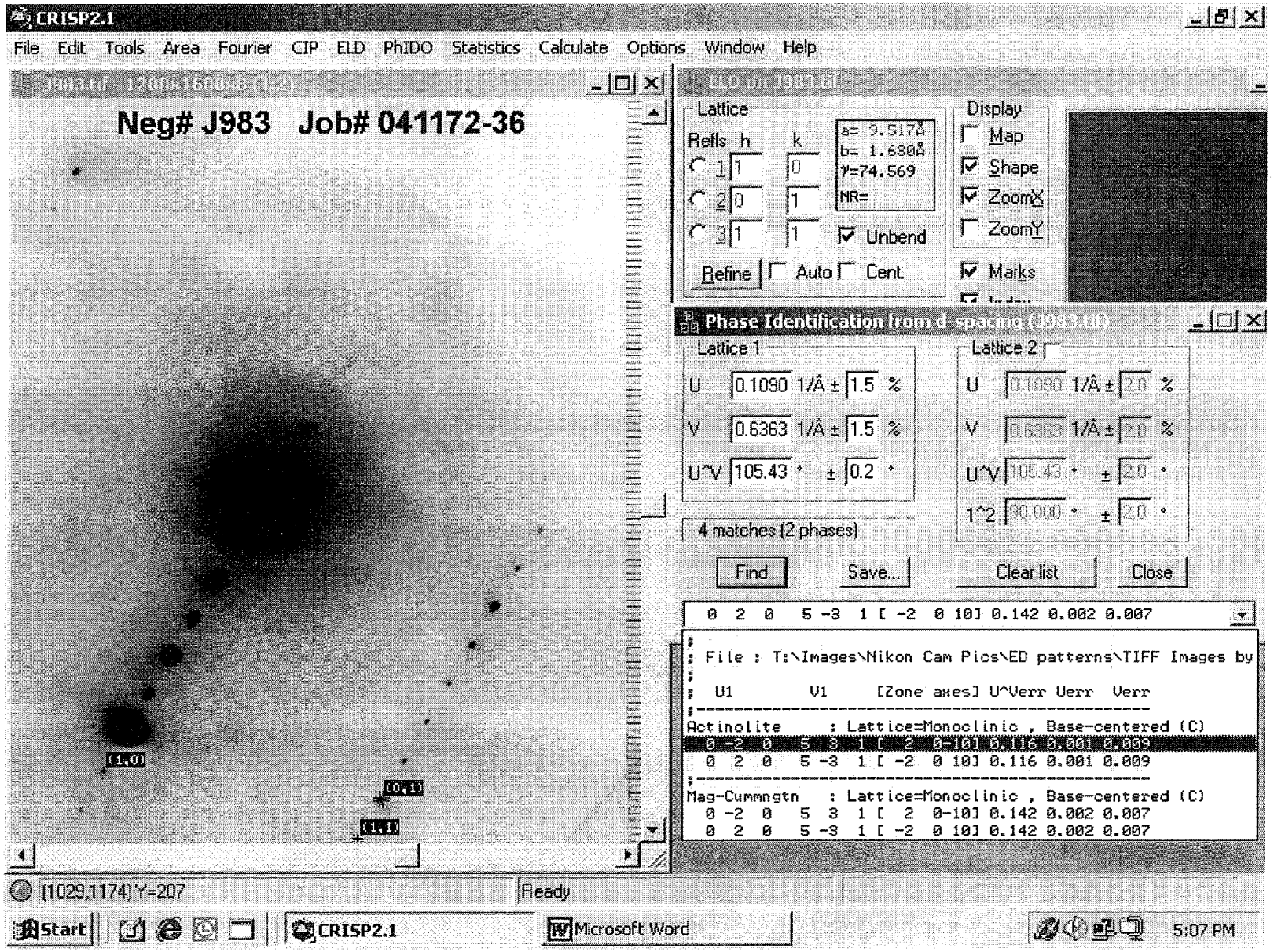
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.17	Si+4	8.0000	8.0000							
Al2O3	1.68	Al+3	0.2842	0.0000	**0.2842**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	3.1	Fe+3	0.0173			0.0173	0.0000				
MgO	20.49	Mg+2	4.0984			4.0984	**0.0000**				
MnO	0	Fe+2	0.3711			0.3711	**0.0000**				
CaO	12.35	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7912					1.7912	0.0000		
K2O	0.2	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0578							0.0578	0.0000
Total	99.99		Excess	T site	**0.2842**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	8		4.7710		1.7912		0.0578	0.0000
			%Fill	100		95.4208		89.5605			

Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-35-716

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	0.06	Si > 7.5
Mg/(Mg+Fe2)	0.92	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

ACTINOLITE
[1 0 -5]



Na-K 0 1/- 0

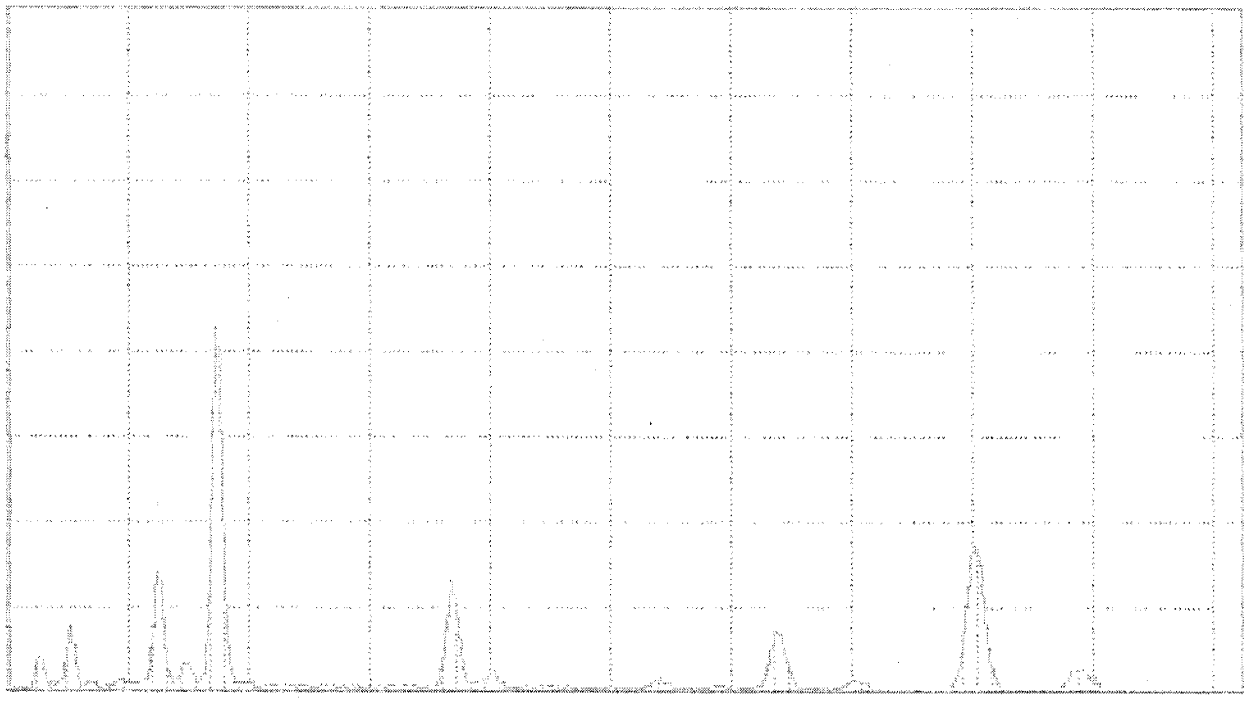
NAK REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K

041172-36 SP717

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FI	WT%	WT%	FORMULA
SI-K	11717	1.040	1.000	100.00		26.49	56.77	SIO2
MG-K	3437	1.000	0.293	7.14		7.77	12.95	MGO
AL-K	761	0.750	0.049	1.05		1.29	2.44	AL2O3
K-K	37	1.060	0.003	0.05		0.09	0.11	K2O
CA-K	4439	0.949	0.360	5.26		9.54	13.35	CAO
FE-K	3178	1.399	0.360	3.96		10.06	14.37	FE2O3
NA-K	0	0.349	0.000	0.00		0.00	0.00	NA2O
O			1.689	61.67		44.75		

TN-5500 University of Washington / JEOL THU 04-NOV-04 10:35

Cursor: 0.000KeV = 0



0.000 VPS = 2048 10 240

25 041172-36 SP717

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.77	Si+4	7.9811	7.9811							
Al2O3	2.44	Al+3	0.4043	0.0189	0.3853						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.37	Fe+3	0.0152			0.0152	0.0000				
MgO	12.95	Mg+2	2.7142			2.7142	0.0000				
MnO	0	Fe+2	1.6724			1.6724	0.0000				
CaO	13.36	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.0122					2.0000	0.0122		
K2O	0.11	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0197							0.0197	0.0000
Total	100		Excess	T site	0.3853	C site	0.0000	B site	0.0122016	A site	0
			Total	8		4.7871		2.0000		0.0197	0.0000
			%Fill	100		95.7423		100			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-36-717

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	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.98	

Mineral Analysis Program (Version 5.0)

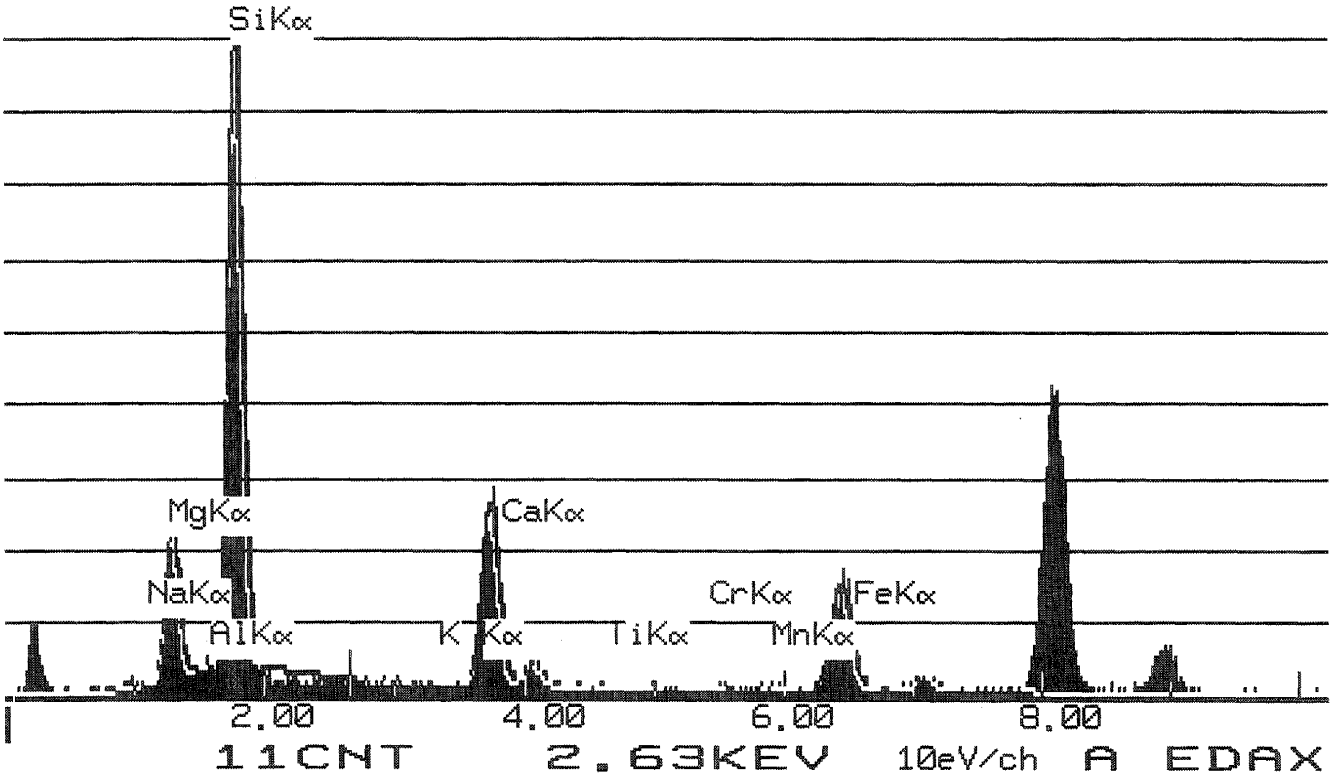
INTE-% :
LABEL = 041172-37 15302
04-NOV-72 23:39:29
29.152 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.858	0.251	0.339
MGK	79.172	10.952	18.159
ALK	4.048	0.336	0.636
SIK	343.480	26.722	57.169
K K	1.578	0.204	0.246
CAK	119.582	8.870	12.411
MNK	0.583	0.062	0.081
FEK	77.800	7.666	10.961

TOTAL			100.000

USED PEIF: USER

03-NOV-04 23:39:42 SUPER QUANT
RATE= 101CPS TIME= 29LSEC
FS= 1126/ 1126 PRST= 200LSEC
A =041172-37 15302



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.169	Si+4	7.9134	7.9134							
Al2O3	0.636	Al+3	0.1038	0.0866	**0.0172**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.961	Fe+3	0.2169			0.2169	0.0000				
MgO	18.159	Mg+2	3.7473			3.7473	**0.0000**				
MnO	0.081	Fe+2	1.0276			1.0186	**0.0091**				
CaO	12.411	Mn+2	0.0095			0.0000	**0.0095**				
Na2O	0.339	Ca+2	1.8405					1.8405	0.0000		
K2O	0.246	Na+	0.0910					0.0910	**0.0000**	0.0000	0.0000
		K+	0.0434							0.0434	0.0000
Total	**100.002**		**Excess**	T site	**0.0172**	C site	**0.0186**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.9315**		**0.0434**	**0.0000**
			%Fill	**100**		**100**		**96.573**			

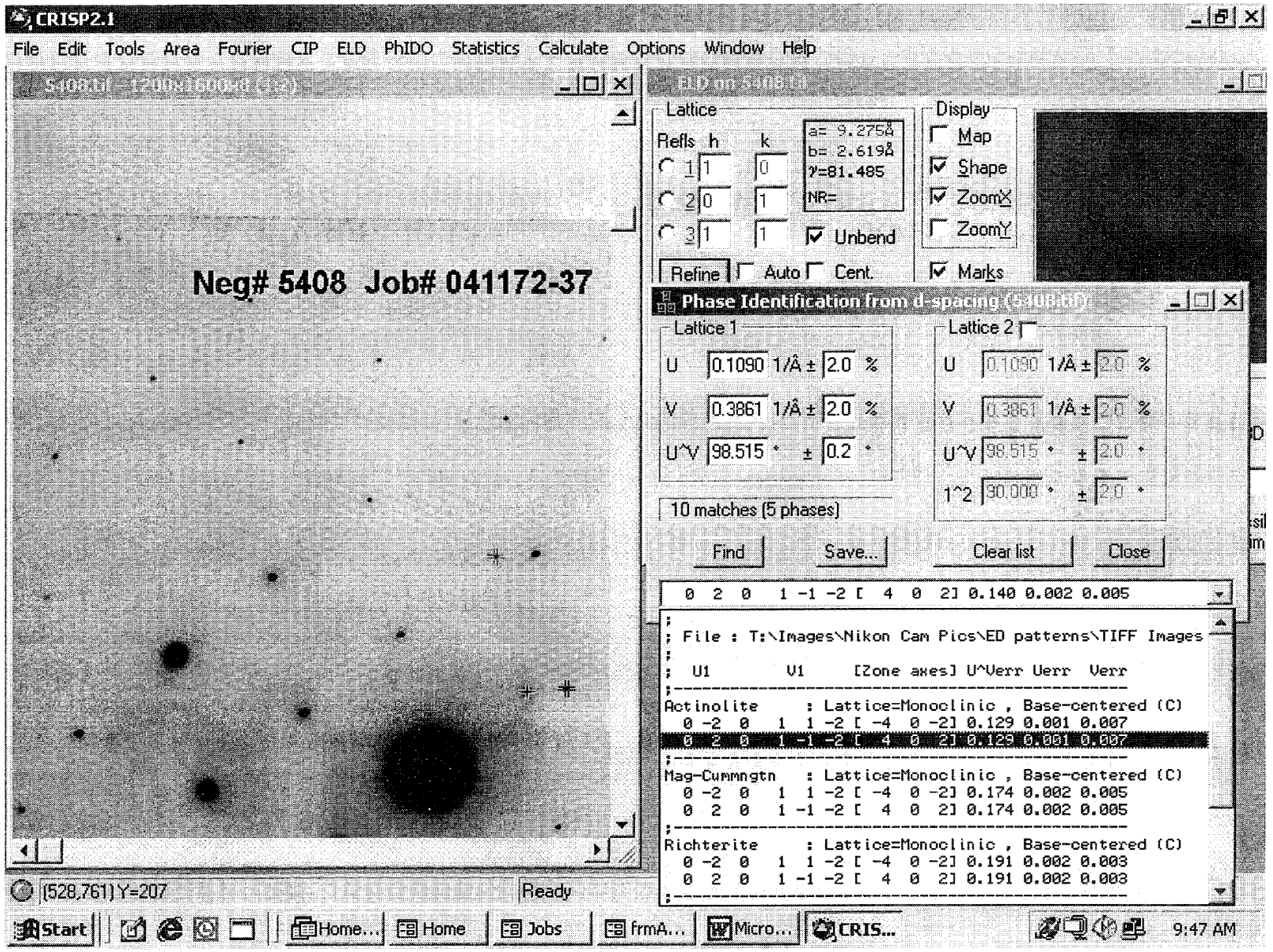
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-37-15302**

Values		Satisfied Conditions
(Ca,Na)@B	1.93	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.09	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.84	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.78	(Mg/(Mg+Fe2))< 0.9
Si	7.91	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 1]

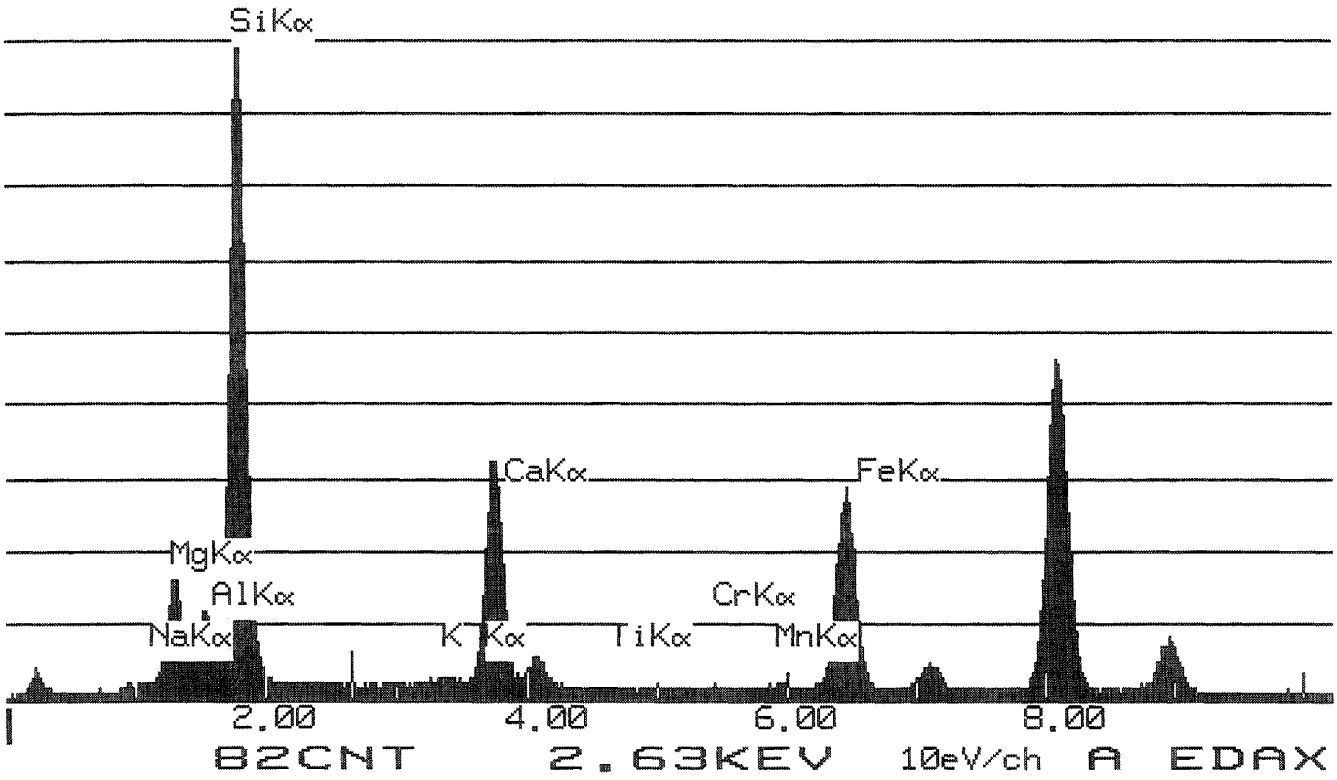


INTE-% :
LABEL = 041172-37 15302
05-NOV-72 08:20:38
136.350 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	53.209	6.909	11.456
ALK	33.077	2.580	4.875
SIK	338.789	24.742	52.931
K K	2.618	0.318	0.383
CAK	131.382	9.148	12.800
FEK	132.754	12.279	17.556
TOTAL			100.000

USED PEIF: USER

04-NOV-04 08:22:33 SUPER QUANT
RATE= 565CPS TIME= 136LSEC
FS= 5005/ 5005 PRST= 200LSEC
A =041172-37 15303



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.931	Si+4	7.5971	7.5971							
Al2O3	4.875	Al+3	0.8246	0.4029	**0.4217**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.556	Fe+3	0.0190			0.0190	0.0000				
MgO	11.456	Mg+2	2.4513			2.4513	**0.0000**				
MnO	0	Fe+2	2.0859			2.0859	**0.0000**				
CaO	12.8	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9682					1.9682	0.0000		
K2O	0.383	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0701							0.0701	0.0000
Total	**100.001**		**Excess**	T site	**0.4217**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9779**		**1.9682**		**0.0701**	**0.0000**
			%Fill	**100**		**99.5575**		**98.4099**			

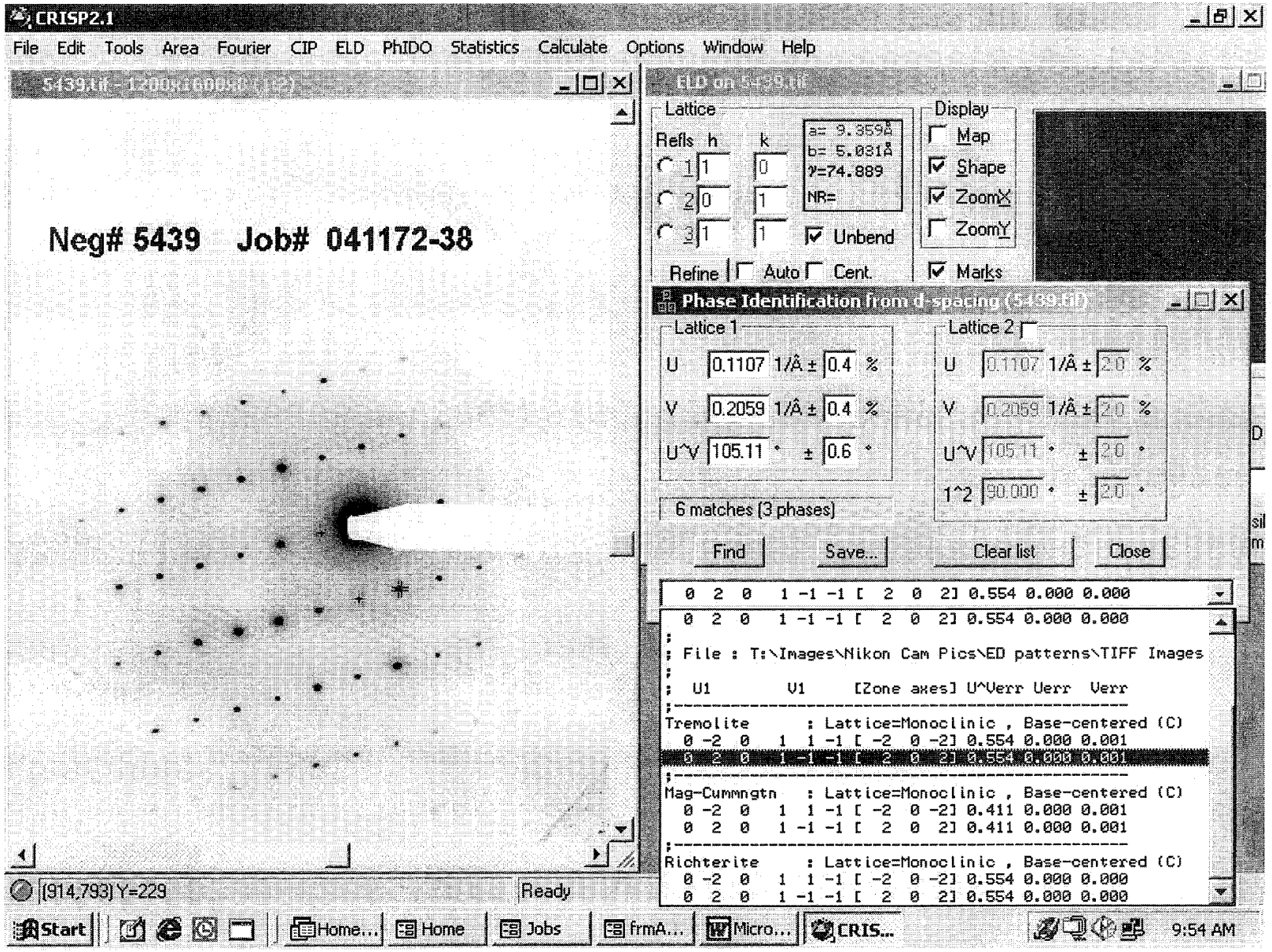
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

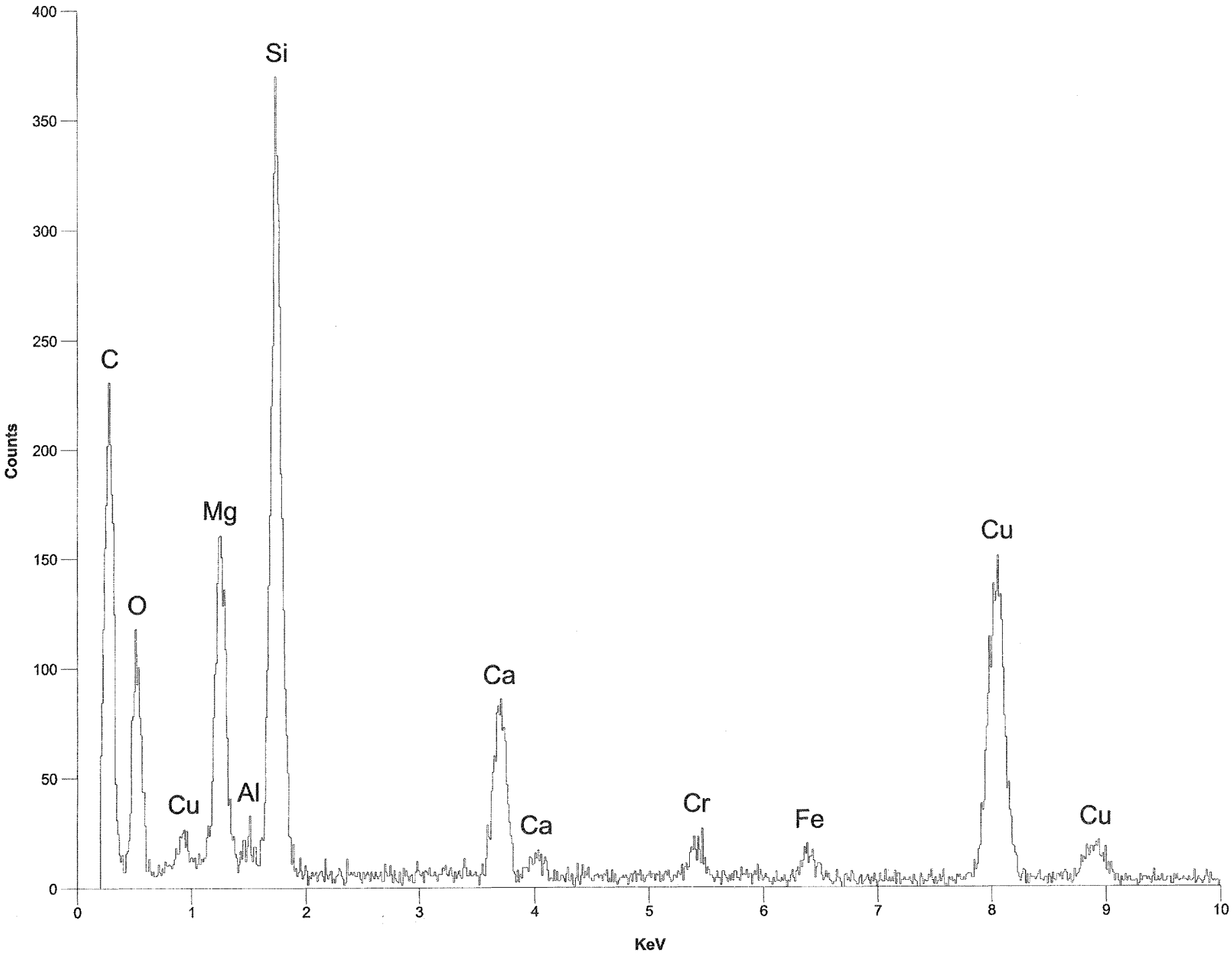
Sample # **041172-37-15303**

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	0.07	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 1]





041172-38 SP 718

Title: 041172-38 SP 718

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.42	Si+4	8.0000	8.0000							
Al2O3	1.22	Al+3	0.2088	0.0000	**0.2088**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	3.78	Fe+3	0.0149			0.0149	0.0000				
MgO	21.06	Mg+2	4.2239			4.2239	**0.0000**				
MnO	0	Fe+2	0.4413			0.4413	**0.0000**				
CaO	12.03	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7474					1.7474	0.0000		
K2O	0.48	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1003							0.1003	0.0000
Total	**99.99**		**Excess**	T site	**0.2088**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8889**		**1.7474**		**0.1003**	**0.0000**
			%Fill	**100**		**97.7777**		**87.372**			

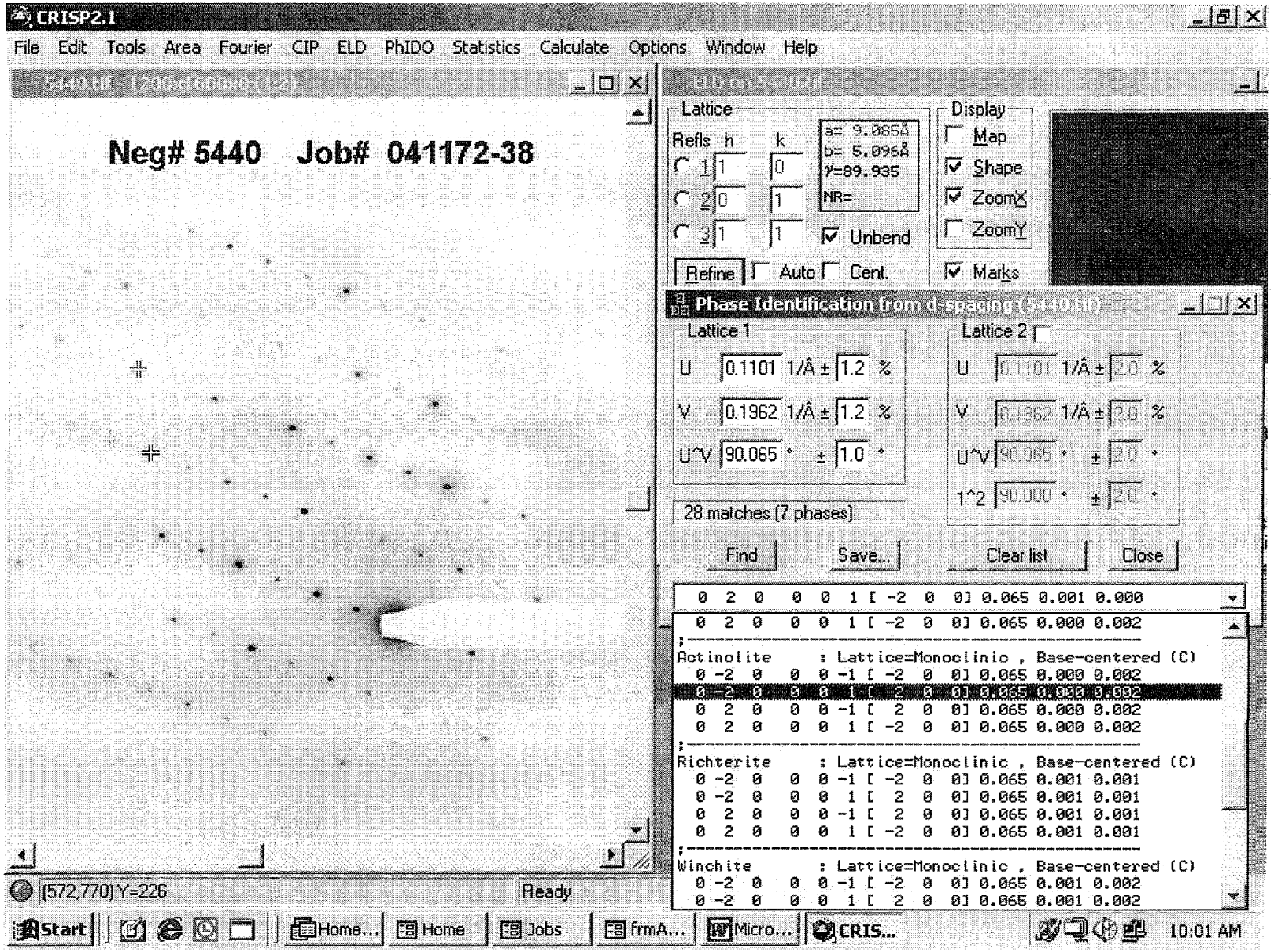
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

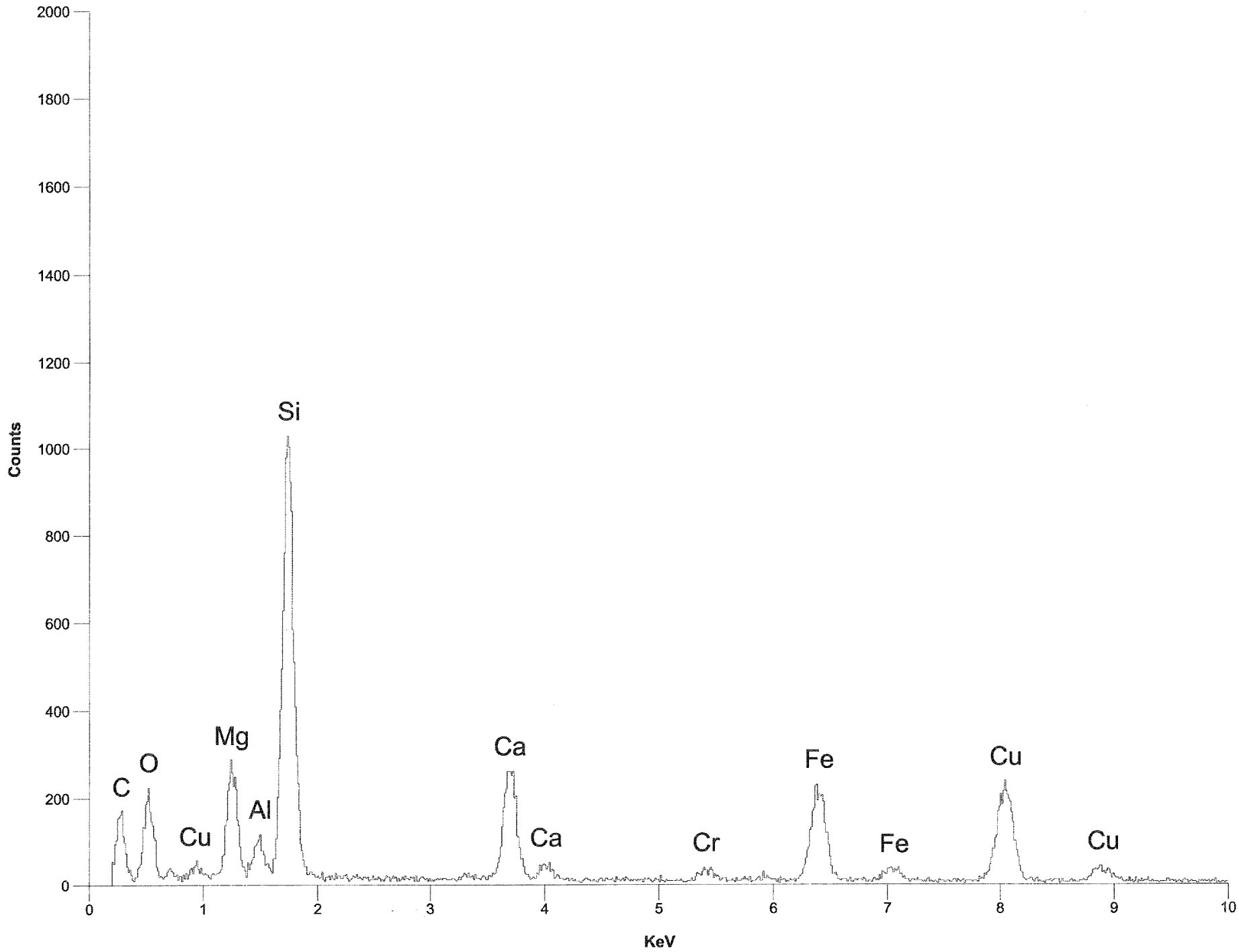
Sample # **041172-38-718**

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	0.10	Si > 7.5
Mg/(Mg+Fe2)	0.91	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]





Title: Ex -C) DATA LA Title: EXEC(7-C) DATA LABEL 04/11/2-38 719

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.03	Si+4	7.9795	7.9795							
Al2O3	1.74	Al+3	0.2920	0.0205	**0.2715**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.28	Fe+3	0.1763			0.1763	0.0000				
MgO	12.2	Mg+2	2.5902			2.5902	**0.0000**				
MnO	0	Fe+2	1.9810			1.9620	**0.0190**				
CaO	11.34	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7302					1.7302	0.0000		
K2O	0.41	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0745							0.0745	0.0000
Total	100		Excess	T site	**0.2715**	C site	**0.0190**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7302		0.0745	0.0000
			%Fill	100		100		86.5083			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041172-38-719

Values		Satisfied Conditions
(Ca,Na)@B	1.73	(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	1.73	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.57	(Mg/(Mg+Fe2))< 0.9
Si	7.98	

Mineral Analysis Program (Version 5.0)

SQMF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _SIK" _MGK" _ALK' _ALK" _CAK" _NAK
Chi-sqd = 1.82

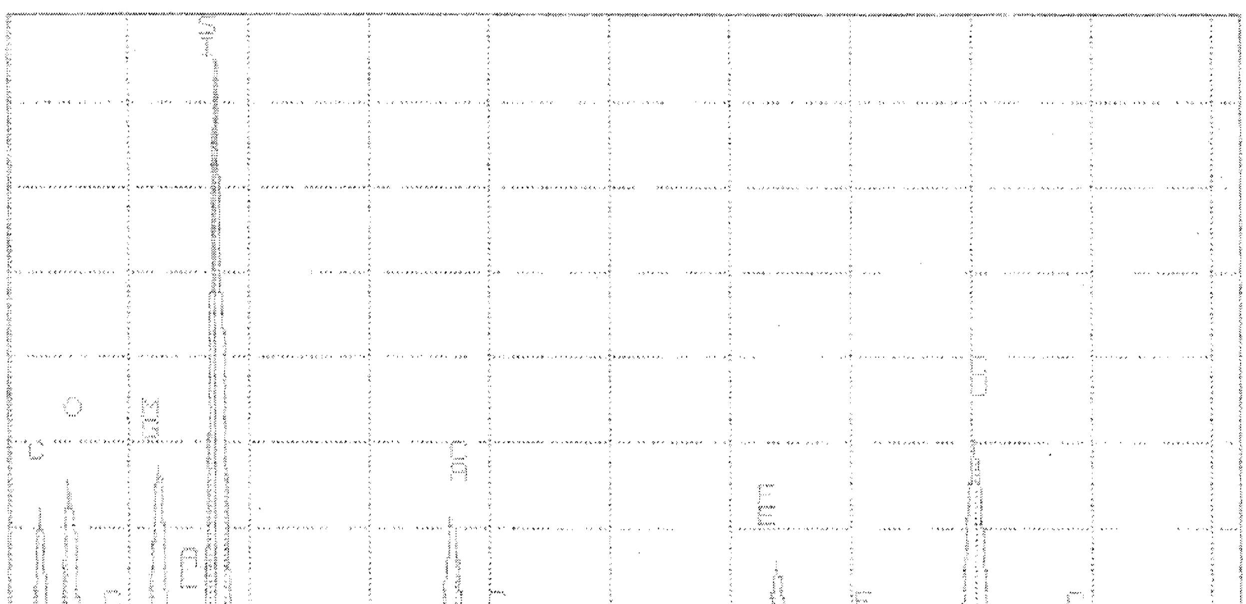
Element	Net Counts		
Si-K	12517	+/-	117
Mg-K	3944	+/-	68
Al-K	1018	+/-	63
K -K	160	+/-	73
Ca-K	4112	+/-	80
Fe-K	3542	+/-	119
Na-K	0	+/-	0

RFF.R FDS:SIK FDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
FDS:NAK

041172-39 720

EL-LINE	PEAK	K-FACTOR	CEL/CRFF	ATOM%	EL WT%	WT%	FORMULA
SI-K	12517	1.000	1.000	20.66	26.30	56.35	SIO2
MG-K	3944	1.000	0.315	7.60	8.29	13.81	MGO
AL-K	1018	0.750	0.041	1.31	1.61	3.03	AL2O3
K-K	160	1.060	0.014	0.20	0.36	0.43	K2O
CA-K	4112	0.949	0.312	4.51	8.21	11.49	CAO
FE-K	3542	1.399	0.396	4.09	10.42	14.88	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.705	61.63	44.83		

TN-5500 University of Washington / JHX THU 04-NOV-04 PM:24
Cursor: 1.730keV = 1016



71 041172-39 720

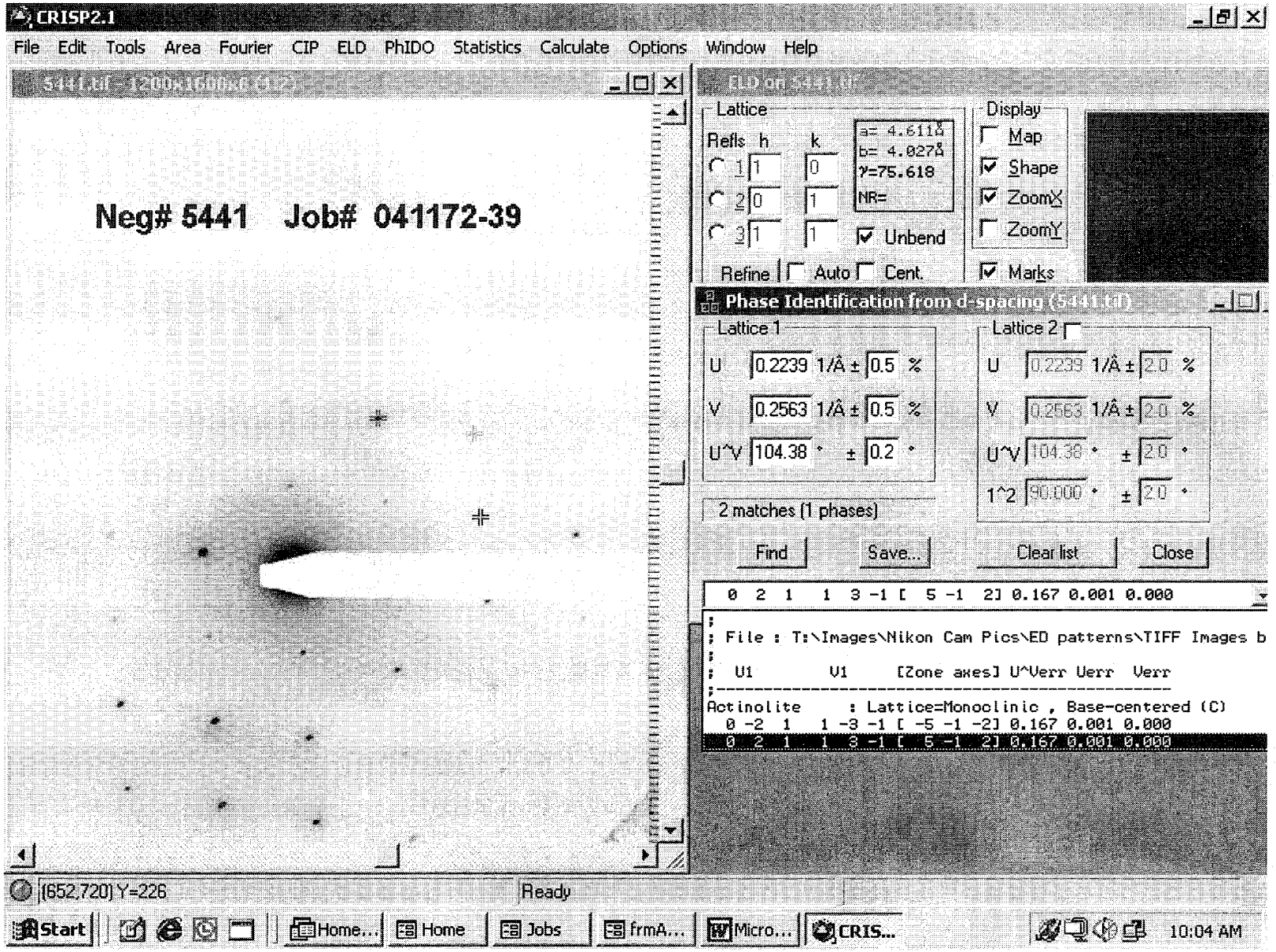
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.35	Si+4	7.8997	7.8997							
Al2O3	3.03	Al+3	0.5006	0.1003	**0.4003**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.88	Fe+3	0.1413			0.1413	0.0000				
MgO	13.81	Mg+2	2.8863			2.8863	**0.0000**				
MnO	0	Fe+2	1.5873			1.5721	**0.0152**				
CaO	11.49	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7257					1.7257	0.0000		
K2O	0.43	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0769							0.0769	0.0000
Total	99.99		Excess	T site	**0.4003**	C site	**0.0152**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7257		0.0769	0.0000
			%Fill	100		100		86.2841			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-39-720

Values		Satisfied Conditions
(Ca,Na)@B	1.73	(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	1.73	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.65	(Mg/(Mg+Fe2))< 0.9
Si	7.90	

ACTINOLITE
[5 -1 2]

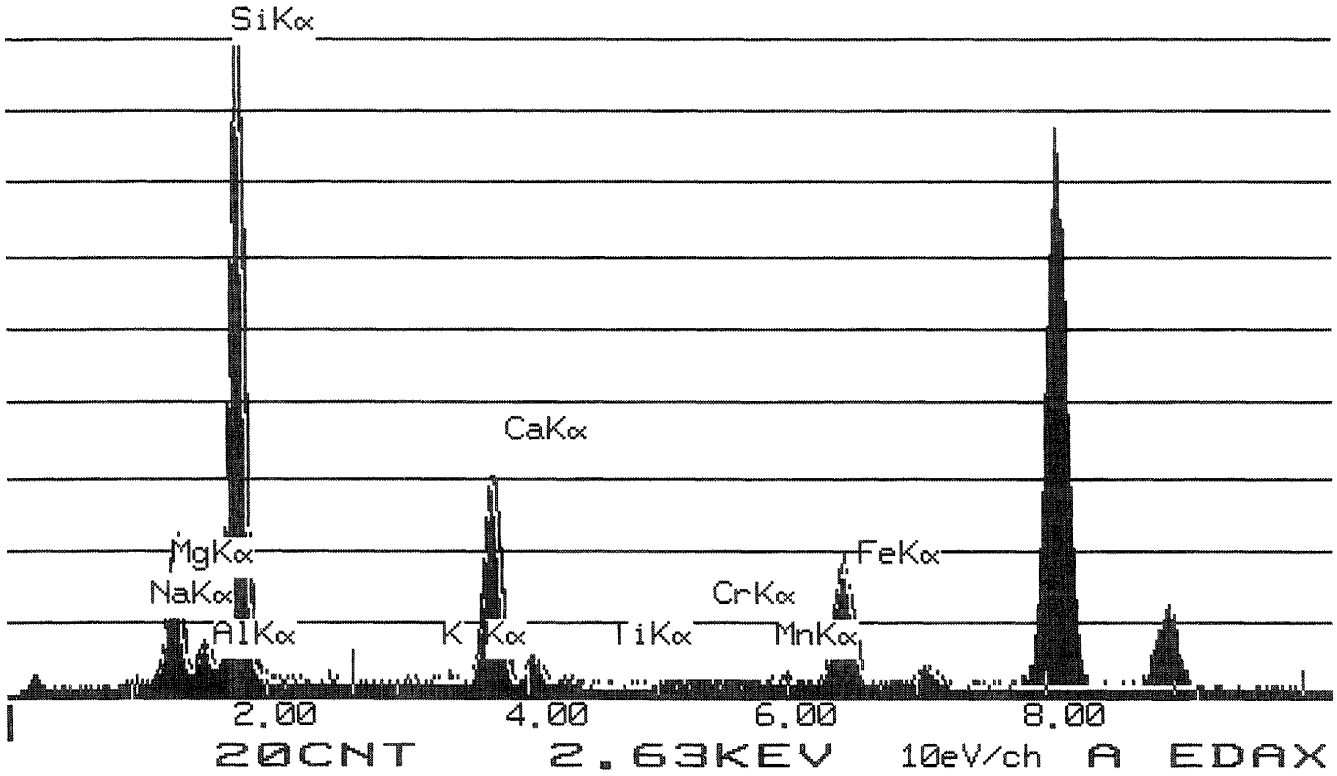


INTE-% :
LABEL = 041172-39 SP 15334
09-NOV-72 18:02:36
17.703 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	110.995	9.354	15.510
ALK	28.864	1.461	2.761
SIK	555.258	26.319	56.305
K K	1.751	0.138	0.166
CAK	204.875	9.259	12.955
MNK	1.638	0.107	0.138
FEK	141.724	8.508	12.165
TOTAL			100.000

USED PEIF: USER

08-NOV-04 18:02:57 SUPER QUANT
RATE= 9CPS TIME= 18LSEC
FS= 1076/ 1076 PRST= 200LSEC
A =041172-39 SP 15334



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.305	Si+4	7.8522	7.8522							
Al2O3	2.761	Al+3	0.4538	0.1478	**0.3060**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.165	Fe+3	0.0128			0.0128	0.0000				
MgO	15.51	Mg+2	3.2247			3.2247	**0.0000**				
MnO	0.138	Fe+2	1.4044			1.4044	**0.0000**				
CaO	12.955	Mn+2	0.0163			0.0163	**0.0000**				
Na2O	0	Ca+2	1.9356					1.9356	0.0000		
K2O	0.166	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0295							0.0295	0.0000
Total	**100**		**Excess**	T site	**0.3060**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9642**		**1.9356**		**0.0295**	**0.0000**
			%Fill	**100**		**99.2833**		**96.7779**			

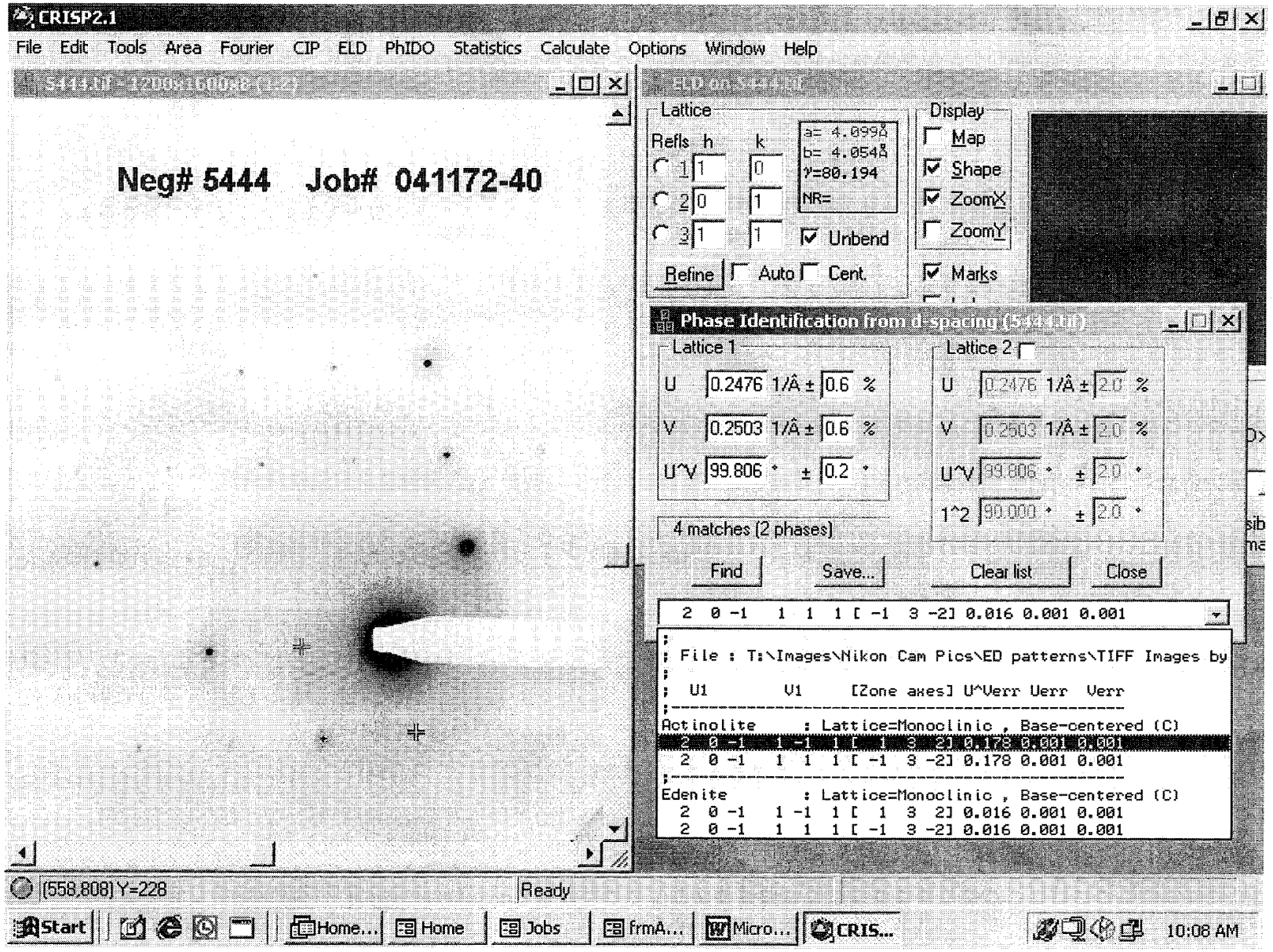
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-39-15334**

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	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.70	(Mg/(Mg+Fe2))< 0.9
Si	7.85	

Mineral Analysis Program (Version 5.0)

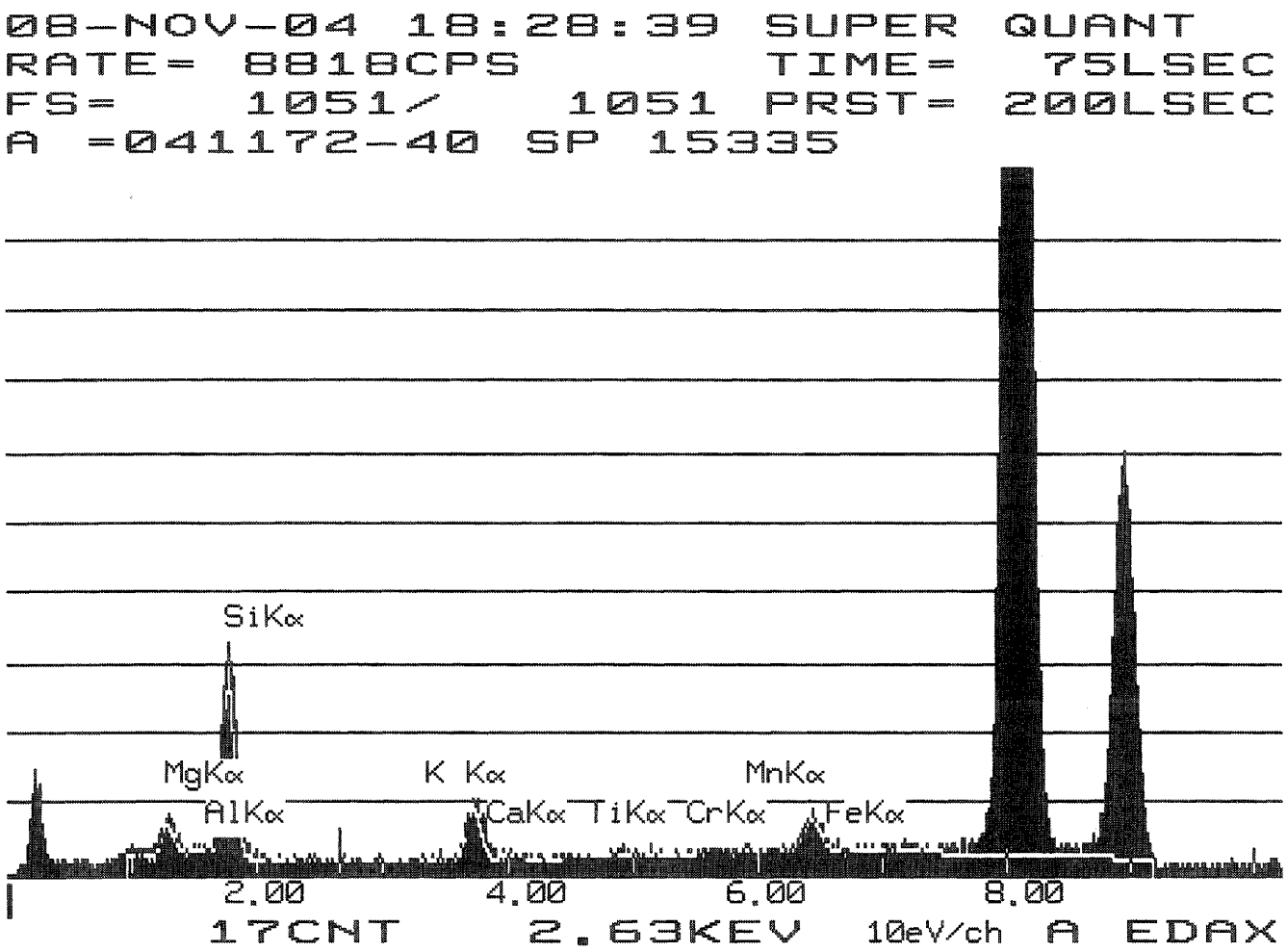
ACTINOLITE
[1 3 2]



INTE-% :
LABEL = 041172-40 SP 15335
09-NOV-72 18:28:17
74.631 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	5.520	7.200	11.938
SIK	40.171	29.466	63.039
K K	0.348	0.425	0.512
CAK	13.118	9.174	12.836
FEK	8.790	8.166	11.676
TOTAL			100.000

USED PEIF: USER



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	63.039	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	11.676	Fe+3	0.0604			0.0604	0.0000				
MgO	11.938	Mg+2	2.6319			2.6319	**0.0000**				
MnO	0	Fe+2	1.4328			1.4328	**0.0000**				
CaO	12.836	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.0233					2.0000	0.0233		
K2O	0.512	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1716							0.1716	0.0000
Total	**100.001**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0.0232526**	A site	**0**
			Total	**8**		**4.1252**		**2.0000**		**0.1716**	**0.0000**
			%Fill	**100**		**82.5034**		**100**			

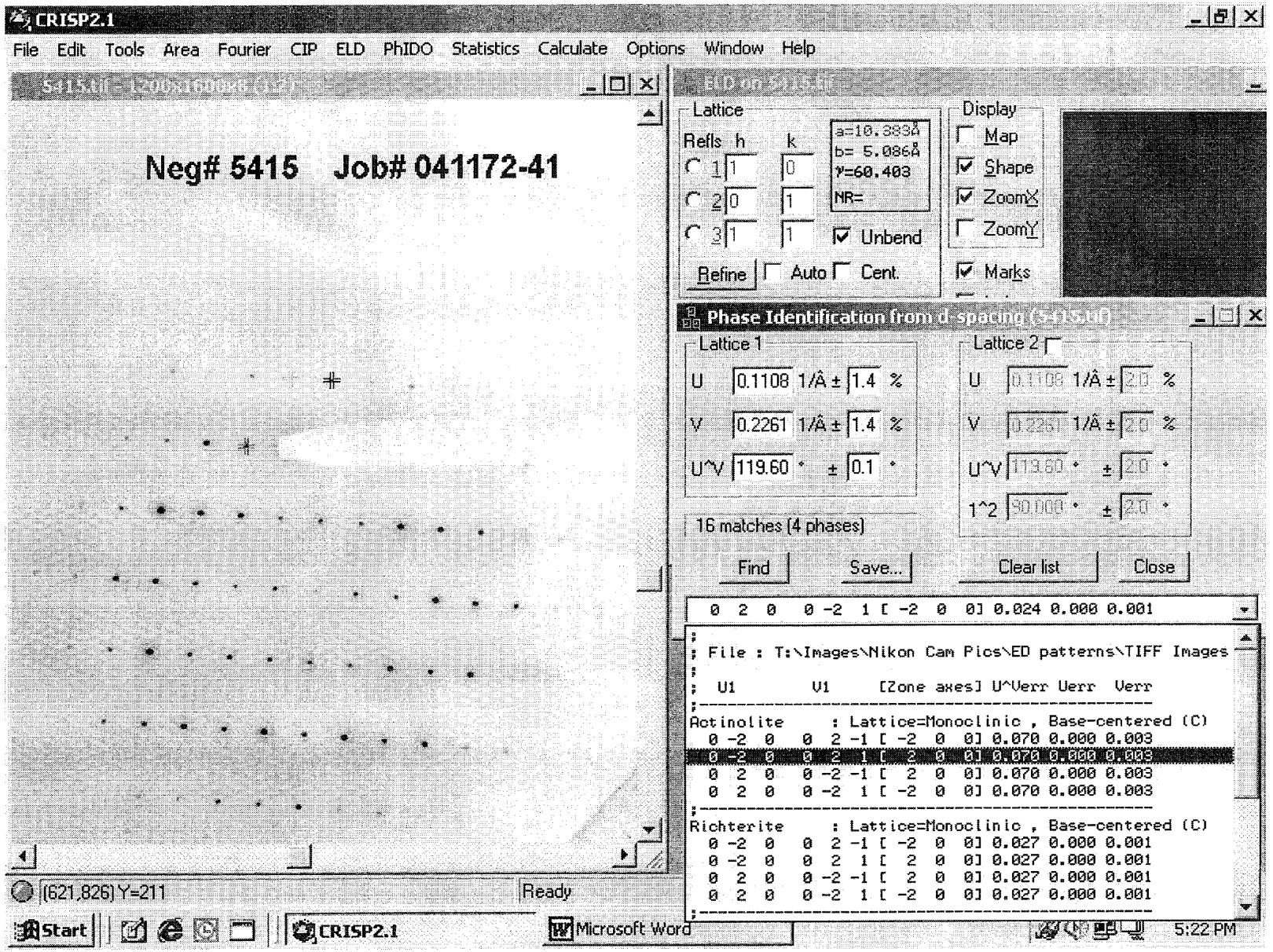
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-40-15335**

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	0.17	Si > 7.5
Mg/(Mg+Fe2)	0.65	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]



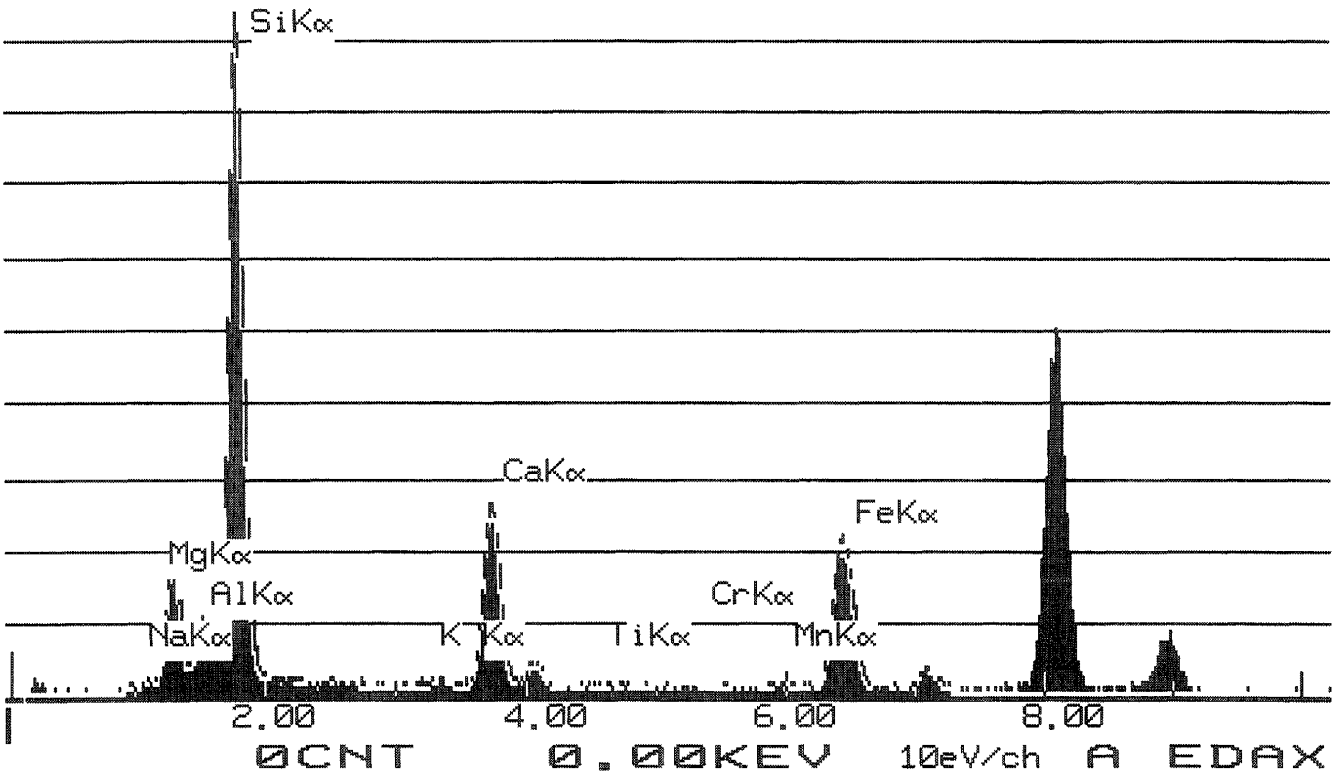
INTE-% :
LABEL = 041172-41 SP 15506
05-DEC-72 18:47:47
40.265 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	1.614	0.622	0.838
MGK	44.703	8.130	13.481
ALK	23.643	2.583	4.880
SIK	244.229	24.982	53.445
K K	4.371	0.743	0.895
CAK	82.304	8.026	11.231
TIK	1.018	0.140	0.234
CRK	0.422	0.057	0.084
MNK	2.806	0.395	0.510
FEK	77.759	10.074	14.403

TOTAL			100.000

USED PEIF: USER

04-DEC-04 18:48:26 SUPER QUANT
RATE= 11CPS TIME= 40LSEC
FS= 1039/ 1039 PRST= 200LSEC
A =041172-41 SP 15506



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.445	Si+4	7.5702	7.5702							
Al2O3	4.88	Al+3	0.8146	0.4298	**0.3848**						
TiO2	0.234	Ti+4	0.0249	0.0000	**0.0249**						
Cr2O3	0.084	Cr+3	0.0094			0.0094	0.0000				
Fe(total)O	14.403	Fe+3	0.1535			0.1535	0.0000				
MgO	13.481	Mg+2	2.8467			2.8467	**0.0000**				
MnO	0.51	Fe+2	1.5353			1.5353	**0.0000**				
CaO	11.231	Mn+2	0.0612			0.0453	**0.0159**				
Na2O	0.838	Ca+2	1.7043					1.7043	0.0000		
K2O	0.895	Na+	0.2301					0.2301	**0.0000**	0.0000	0.0000
		K+	0.1617							0.1617	0.0000
Total	**100.001**		**Excess**	T site	**0.4097**	C site	**0.0159**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.9344**		**0.1617**	**0.0000**
			%Fill	**100**		**100**		**96.72**			

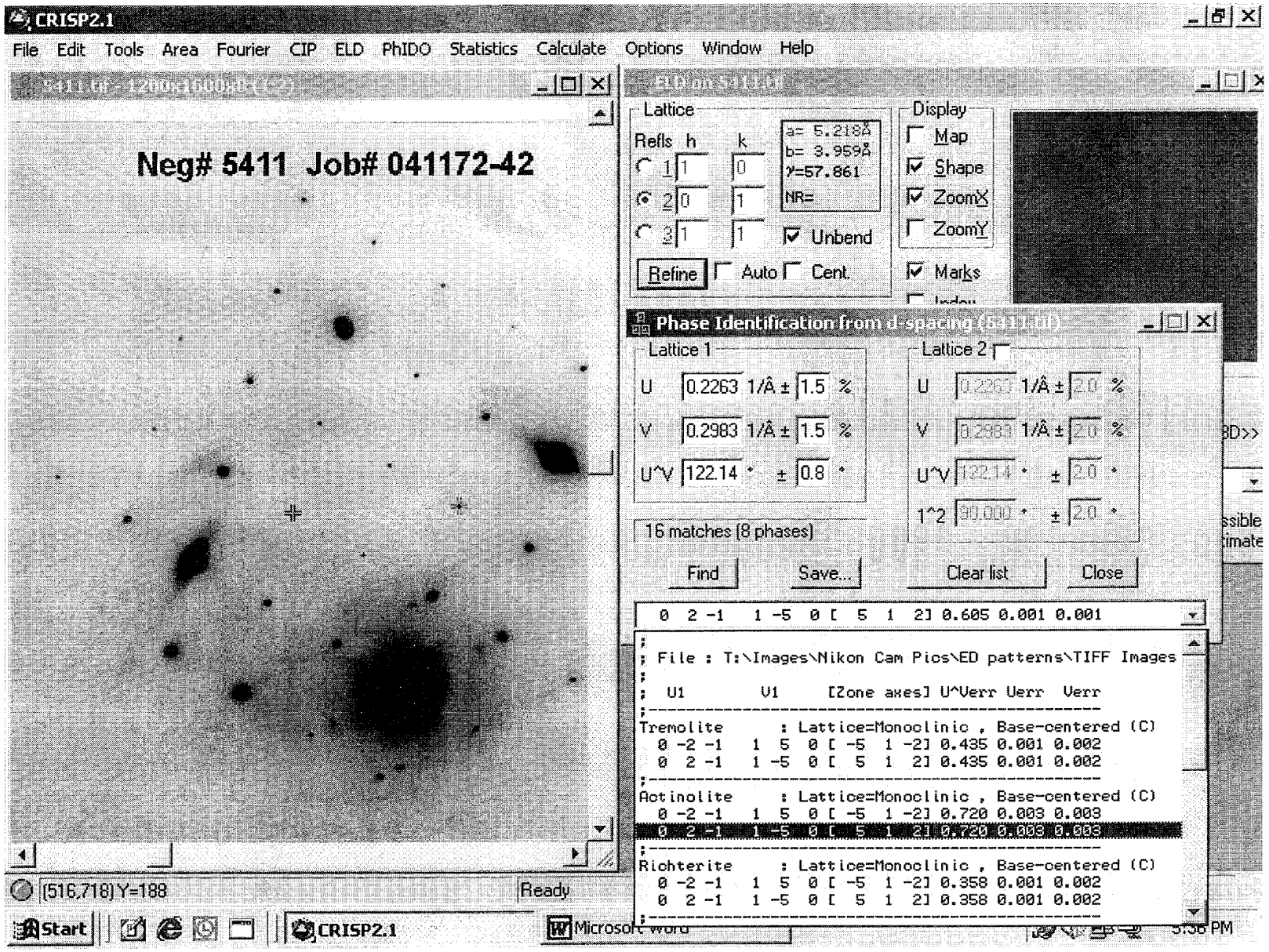
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-41-15506**

Values		Satisfied Conditions
(Ca,Na)@B	1.93	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.23	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.70	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.16	Si > 7.5
Mg/(Mg+Fe2)	0.65	(Mg/(Mg+Fe2))< 0.9
Si	7.57	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 2]

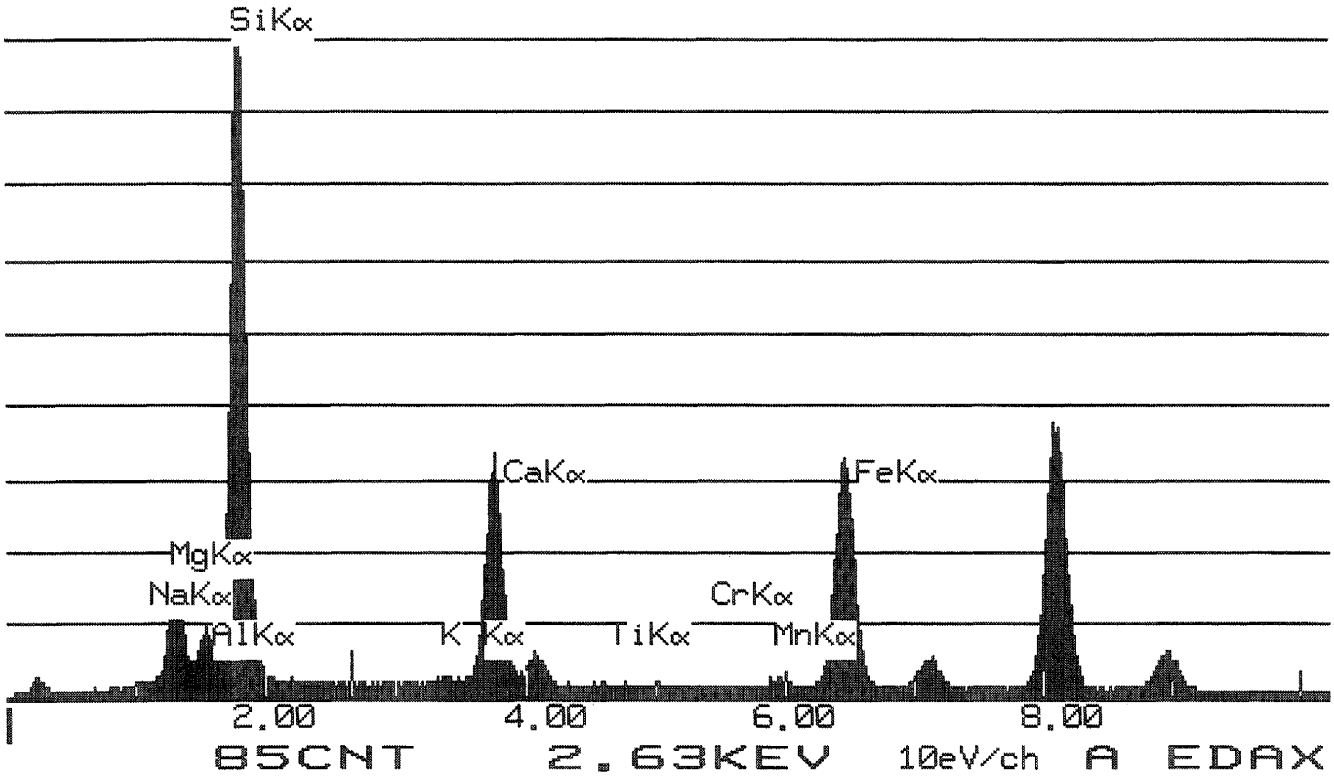


INTE-% :
LABEL = 041232-02 3/1 15305
06-NOV-72 08:08:27
78.135 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	1.600	0.224	0.301
MGK	102.886	6.786	11.253
ALK	50.387	1.996	3.772
SIK	662.555	24.579	52.584
CAK	243.462	8.611	12.049
FEK	298.328	14.017	20.041
TOTAL			100.000

USED PEIF: USER

05-NOV-04 08:09:55 SUPER QUANT
RATE= 3569CPS TIME= 78LSEC
FS= 5715/ 5715 PRST= 200LSEC
A =041172-42 15306



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.584	Si+4	7.5823	7.5823							
Al2O3	3.772	Al+3	0.6410	0.4177	**0.2232**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	20.041	Fe+3	0.3479			0.3479	0.0000				
MgO	11.253	Mg+2	2.4190			2.4190	**0.0000**				
MnO	0	Fe+2	2.0298			2.0098	**0.0199**				
CaO	12.049	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.301	Ca+2	1.8613					1.8613	0.0000		
K2O	0	Na+	0.0841					0.0841	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.2232**	C site	**0.0199**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.9454**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**97.2724**			

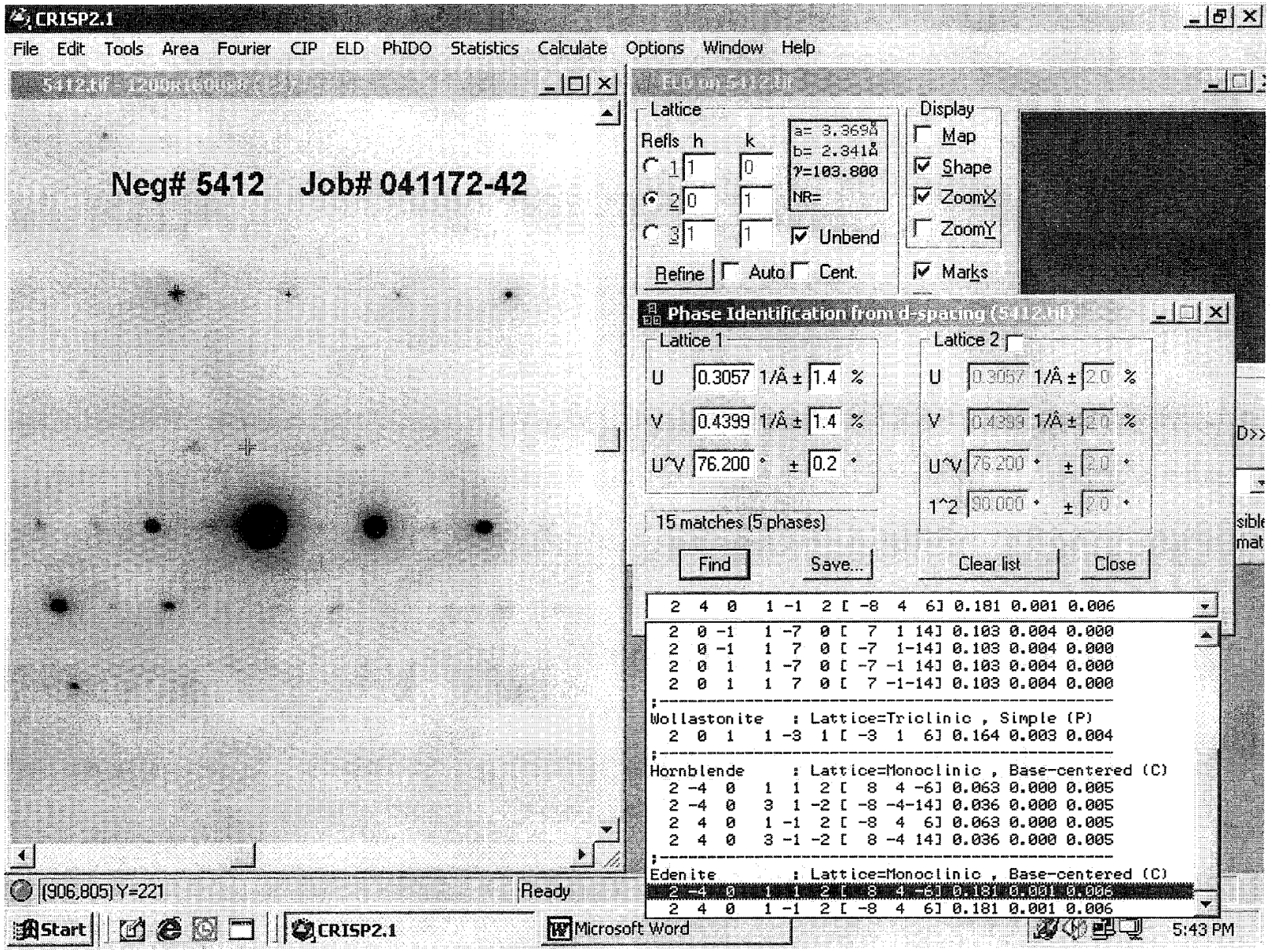
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-42-15306**

Values		Satisfied Conditions
(Ca,Na)@B	1.95	(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	1.86	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.54	(Mg/(Mg+Fe2))< 0.9
Si	7.58	

Mineral Analysis Program (Version 5.0)

EDENITE
[4 2 -3]

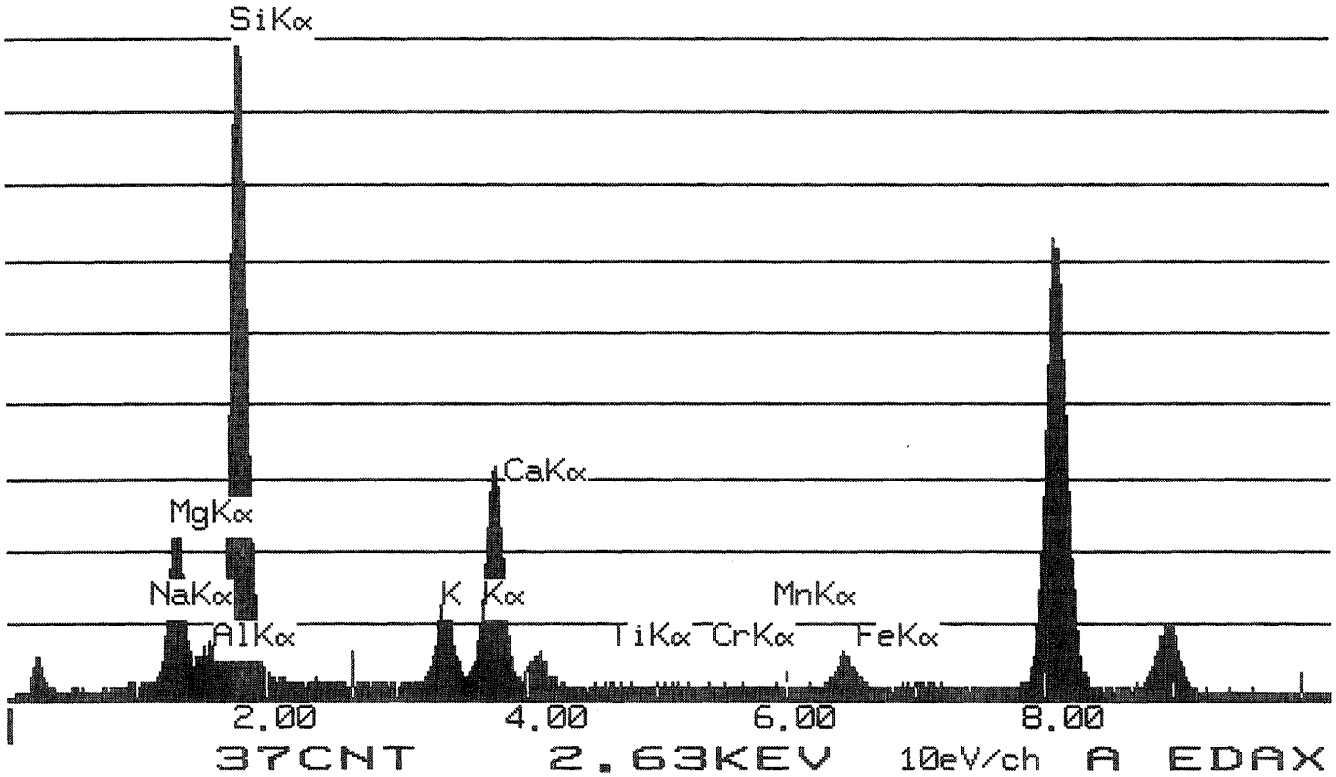

CRISP2.1
File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help
Neg# 5412 Job# 041172-42
Lattice
Refls h k
a= 3.369Å
b= 2.341Å
γ=103.800
NR=
Unbend
Refine
Auto
Cent.
Display
Map
Shape
ZoomX
ZoomY
Marks
Phase Identification from d-spacing (5412.hl)
Lattice 1
U 0.3057 1/Å ± 1.4 %
V 0.4399 1/Å ± 1.4 %
U^V 76.200 ° ± 0.2 °
Lattice 2
U 0.3057 1/Å ± 2.0 %
V 0.4399 1/Å ± 2.0 %
U^V 76.200 ° ± 2.0 °
1^2 90.000 ° ± 2.0 °
15 matches (5 phases)
Find
Save...
Clear list
Close
2 4 0 1 -1 2 [-8 4 6] 0.181 0.001 0.006
2 0 -1 1 -7 0 [7 1 14] 0.103 0.004 0.000
2 0 -1 1 7 0 [-7 1-14] 0.103 0.004 0.000
2 0 1 1 -7 0 [-7 -1 14] 0.103 0.004 0.000
2 0 1 1 7 0 [7 -1-14] 0.103 0.004 0.000
Wollastonite : Lattice=Triclinic , Simple (P)
2 0 1 1 -3 1 [-3 1 6] 0.164 0.003 0.004
Hornblende : Lattice=Monoclinic , Base-centered (C)
2 -4 0 1 1 2 [8 4 -6] 0.063 0.000 0.005
2 -4 0 3 1 -2 [-8 -4-14] 0.036 0.000 0.005
2 4 0 1 -1 2 [-8 4 6] 0.063 0.000 0.005
2 4 0 3 -1 -2 [8 -4 14] 0.036 0.000 0.005
Edenite : Lattice=Monoclinic , Base-centered (C)
2 -4 0 1 1 2 [8 4 -6] 0.181 0.001 0.006
2 4 0 1 -1 2 [-8 4 6] 0.181 0.001 0.006
(906,805) Y=221
Ready
Start
CRISP2.1
Microsoft Word
5:43 PM

INTE-% :
LABEL = 041172-42 15307
06-NOV-72 09:30:24
200.000 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	26.095	11.551	19.154
ALK	5.230	1.391	2.628
SIK	106.150	26.428	56.539
K K	12.800	5.296	6.379
CAK	37.170	8.823	12.345
FEK	6.555	2.067	2.955
TOTAL			100.000

USED PEIF: USER

05-NOV-04 09:34:22 SUPER QUANT
RATE= 805CPS TIME= 200LSEC
FS= 2354/ 2354 PRST= 200LSEC
A =041172-42 15308



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.539	Si+4	7.8312	7.8312							
Al2O3	2.628	Al+3	0.4290	0.1688	**0.2602**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	2.955	Fe+3	0.0031			0.0031	0.0000				
MgO	19.154	Mg+2	3.9552			3.9552	**0.0000**				
MnO	0	Fe+2	0.3388			0.3388	**0.0000**				
CaO	12.345	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8319					1.8319	0.0000		
K2O	6.379	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	1.1271							1.0000	0.1271
Total	**100**		**Excess**	T site	**0.2602**	C site	**0.0000**	B site	**0**	A site	**0.127053**
			Total	**8**		**4.5573**		**1.8319**		**1.0000**	**0.1271**
			%Fill	**100**		**91.1464**		**91.5937**			

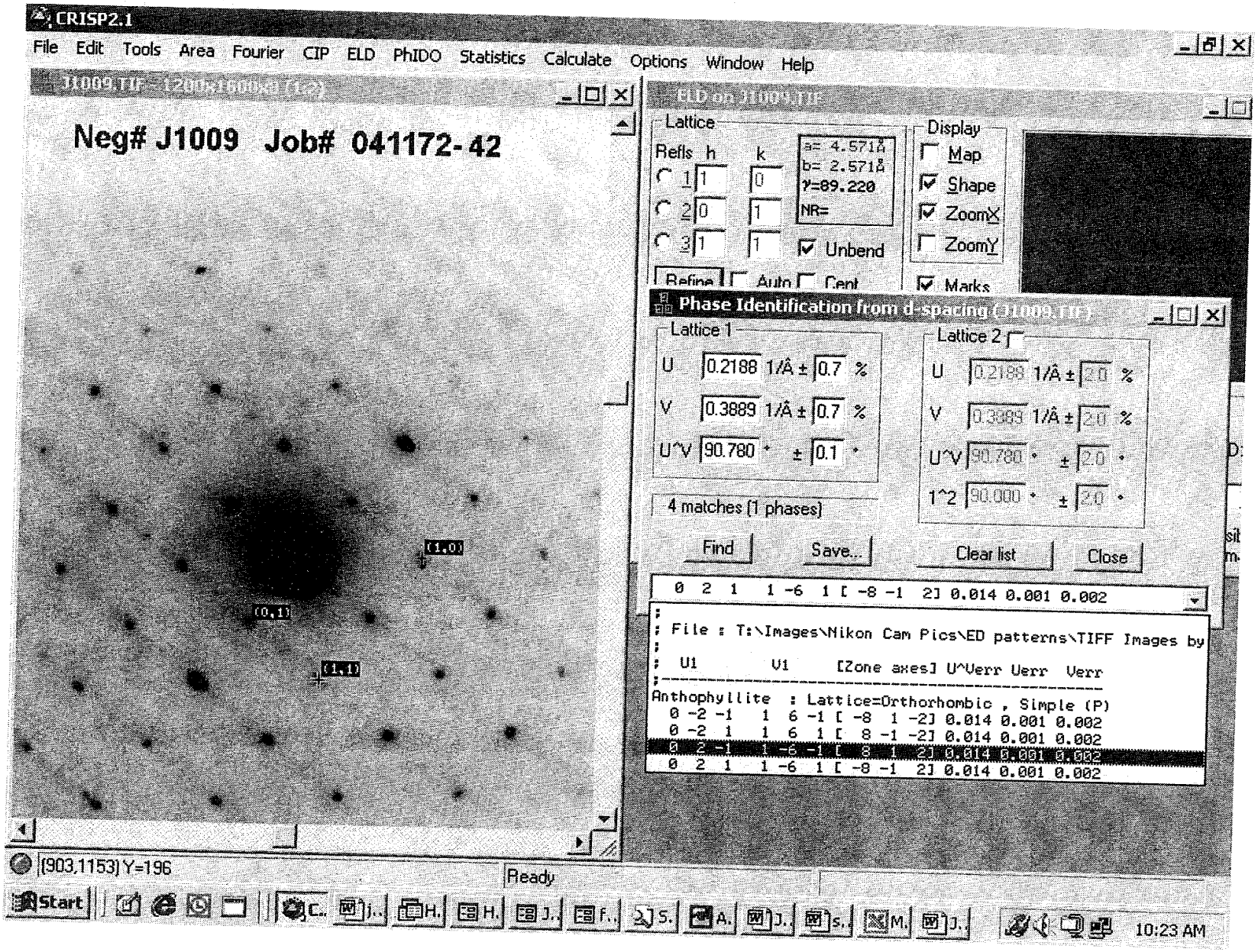
Prefix Potassic
Name edenite
Modifier none
Group Calcic Amphibole

Sample # **041172-42-15308**

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	1.00	Si > 6.5
Mg/(Mg+Fe2)	0.92	
Si	7.83	

Mineral Analysis Program (Version 5.0)

ANTHOPHYLLITE
[812]



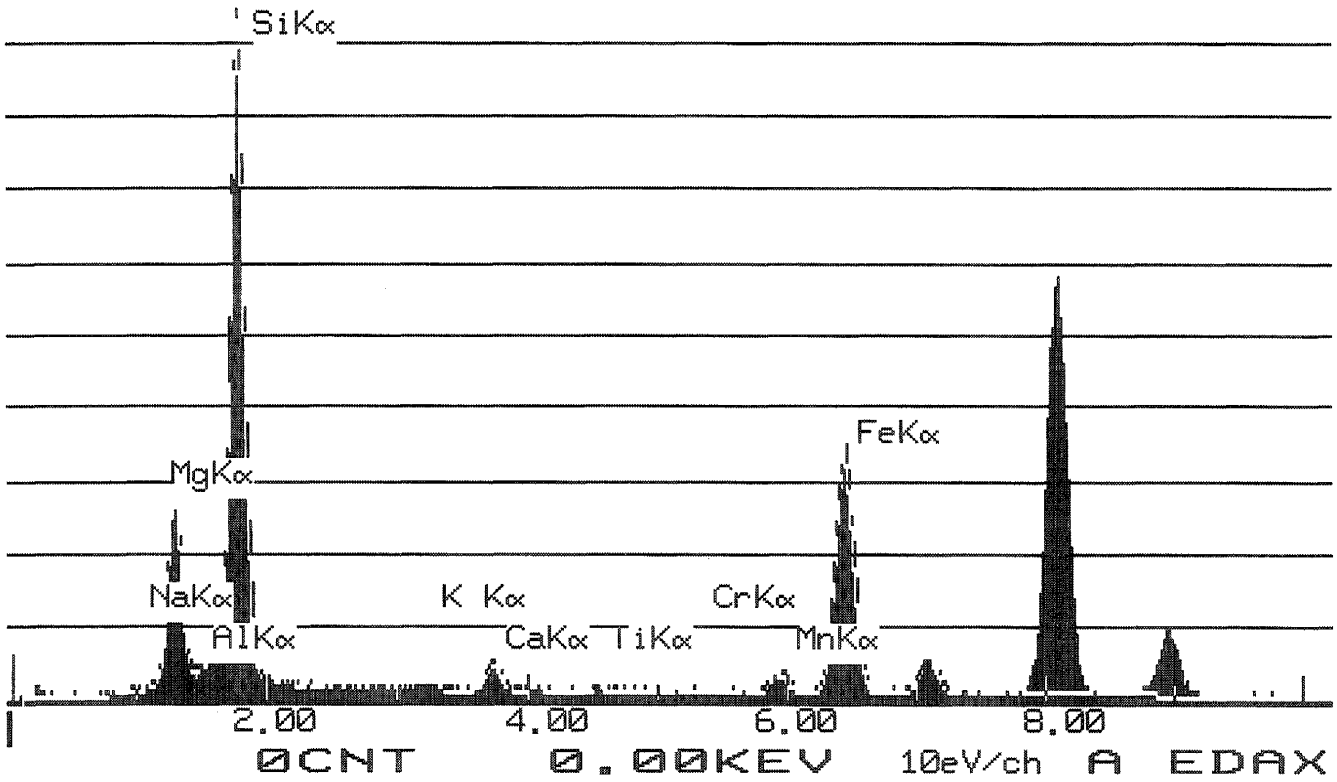
INTE-% :
LABEL = 041172-42 SP 15507
05-DEC-72 19:02:21
60.320 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	97.994	12.880	21.356
SIK	335.111	24.773	52.997
CAK	15.998	1.128	1.578
TIK	2.072	0.206	0.344
MNK	13.296	1.352	1.746
FEK	164.190	15.373	21.979

TOTAL			100.000

USED PEIF: USER

04-DEC-04 19:03:08 SUPER QUANT
RATE= 3424CPS TIME= 60LSEC
FS= 2190/ 2190 PRST= 200LSEC
A =041172-42 SP 15507



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.997	Si+4	7.5866	7.5866							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0.344	Ti+4	0.0370	0.0370	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	21.979	Fe+3	0.2841			0.2841	0.0000				
MgO	21.356	Mg+2	4.5577			4.5577	**0.0000**				
MnO	1.746	Fe+2	2.3152			0.1582	**2.1570**				
CaO	1.578	Mn+2	0.2117			0.0000	**0.2117**				
Na2O	0	Ca+2	0.2420					0.0000	0.2420		
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	**2.3686**	B site	**0.6106486**	A site	**0**
			Total	7.6237		5.0000		0.0000		0.0000	0.0000
			%Fill	95.296		100		0			

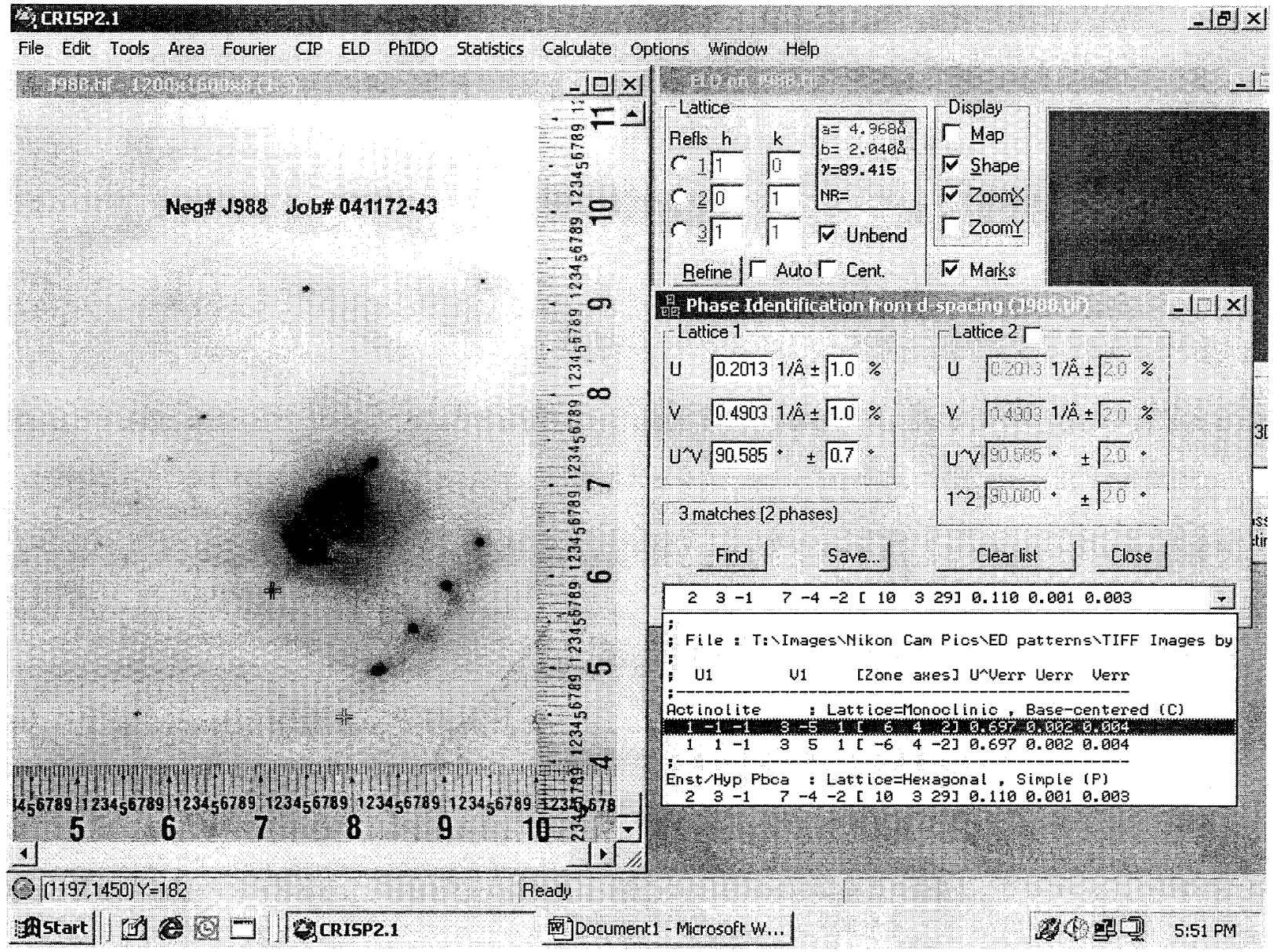
Prefix none
Name anthophyllite, holmquistite, cummingtonite, clinoholmquistite
Modifier none
Group Mg-Fe-Mn Amphibole

Sample # 041172-42-15507

Values		Satisfied Conditions
(Ca,Na)@B	0.00	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	2.00	(Mg/(Mg+Fe2))>= 0.5
Mg/(Mg+Fe2)	0.66	Si > 7
Si	7.59	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 2 1]



*X' SQMTF [illegible] 334 FE KA
SQMTF -35/00 [illegible] 3406 CU KA
1/1 8.898 493 CU KB

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K"
Refit _MGK" _ALK"
Chi-sqd = 3.15

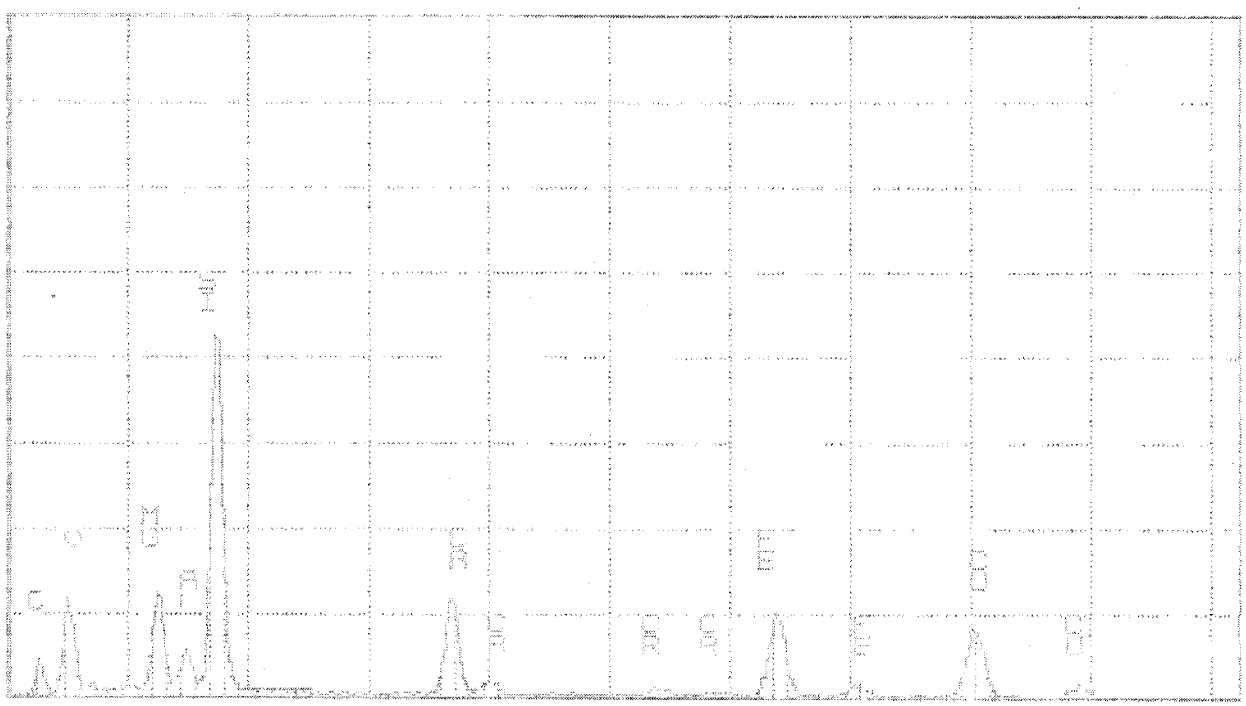
Element	Net Counts	
Si-K	12873	+/- 194
Mg-K	3639	+/- 87
Al-K	1429	+/- 71
K-K	37	+/- 06
Ca-K	4287	+/- 130
Fe-K	4710	+/- 128
Na-K	363	+/- 08

NAREF:0 EDD:SIK FDS:MGK EDS:ALK EDS:K K FDS:CAK FDS:FEK EDS:

041172-43 SP 725

ELEMENT	PEAK	K-FACTOR	CEL/UNEF	ATOM%	EL WT%	WT%	FORMULA
SI-K	12873	1.000	1.000	14.94	[illegible]	51.80	SIO2
MG-K	3639	1.000	0.283	4.58	7.10	11.83	MGO
AL-K	1429	0.750	0.083	1.72	2.09	3.95	AL2O3
K-K	37	1.060	0.003	0.04	0.04	0.09	K2O
CA-K	4287	0.949	0.316	4.42	7.94	11.12	CAO
FE-K	4710	1.399	0.513	5.12	12.86	18.41	FE2O3
NA-K	363	0.549	0.016	0.26	0.39	0.80	NA2O3
O			1.769	61.77	44.41		

TN-2500 University of Washington / JEOL SHT 06-NOV-04 13:00
Cursor: 0.000keV = 0



0.000 VFS = 2048 10 240

0 041172-43 SP 725

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.8	Si+4	7.6752	7.6752							
Al2O3	3.95	Al+3	0.6641	0.3248	**0.3393**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.41	Fe+3	0.3162			0.3162	0.0000				
MgO	11.83	Mg+2	2.5160			2.5160	**0.0000**				
MnO	0	Fe+2	1.8448			1.8285	**0.0163**				
CaO	11.12	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.8	Ca+2	1.6995					1.6995	0.0000		
K2O	0.09	Na+	0.2213					0.2213	**0.0000**	0.0000	0.0000
		K+	0.0164							0.0164	0.0000
Total	**100**		**Excess**	T site	**0.3393**	C site	**0.0163**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.9208**		**0.0164**	**0.0000**
			%Fill	**100**		**100**		**96.0405**			

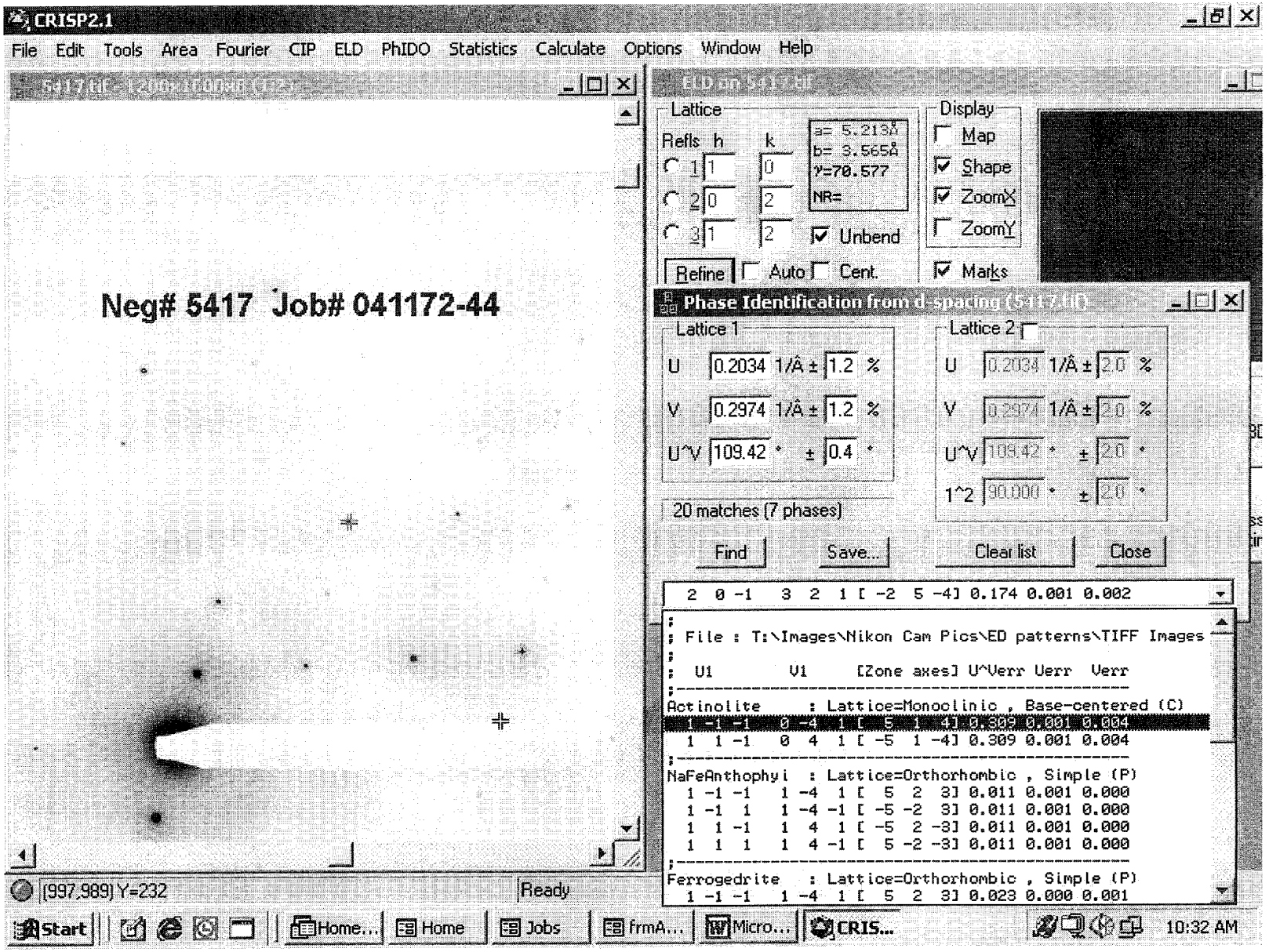
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-43-725**

Values		Satisfied Conditions
(Ca,Na)@B	1.92	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.22	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.70	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.58	(Mg/(Mg+Fe2))< 0.9
Si	7.68	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 4]

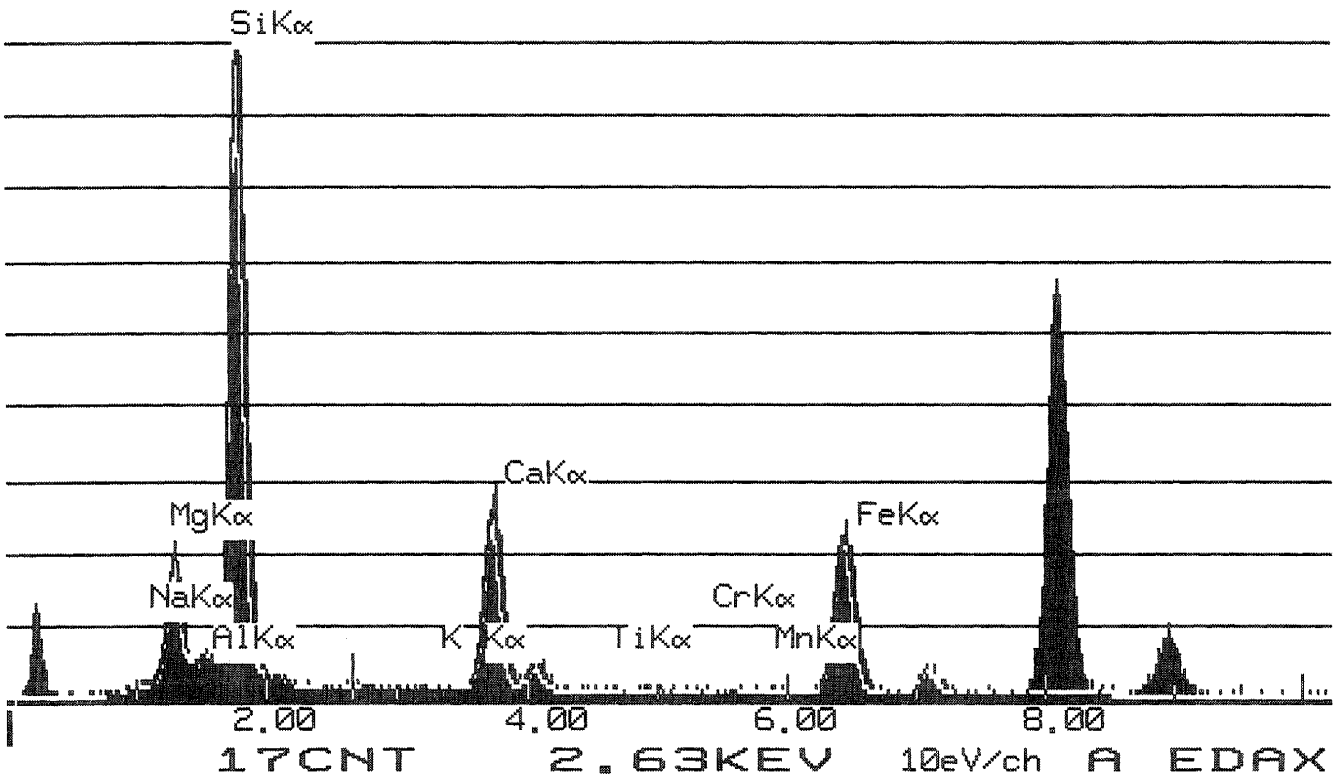


INTE-% :
LABEL = 041172-44 SP 15312
07-NOV-72 01:48:42
51.908 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	31.344	8.416	13.955
SIK	175.752	26.542	56.783
K K	0.347	0.087	0.105
CAK	58.796	8.466	11.845
TIK	0.328	0.067	0.111
MNK	1.117	0.232	0.300
FEK	61.801	11.821	16.901
TOTAL			100.000

USED PEIF: USER

06-NOV-04 01:48:59 SUPER QUANT
RATE= 1174CPS TIME= 52LSEC
FS= 1059/ 1059 PRST= 200LSEC
A =041172-44 SP 15312



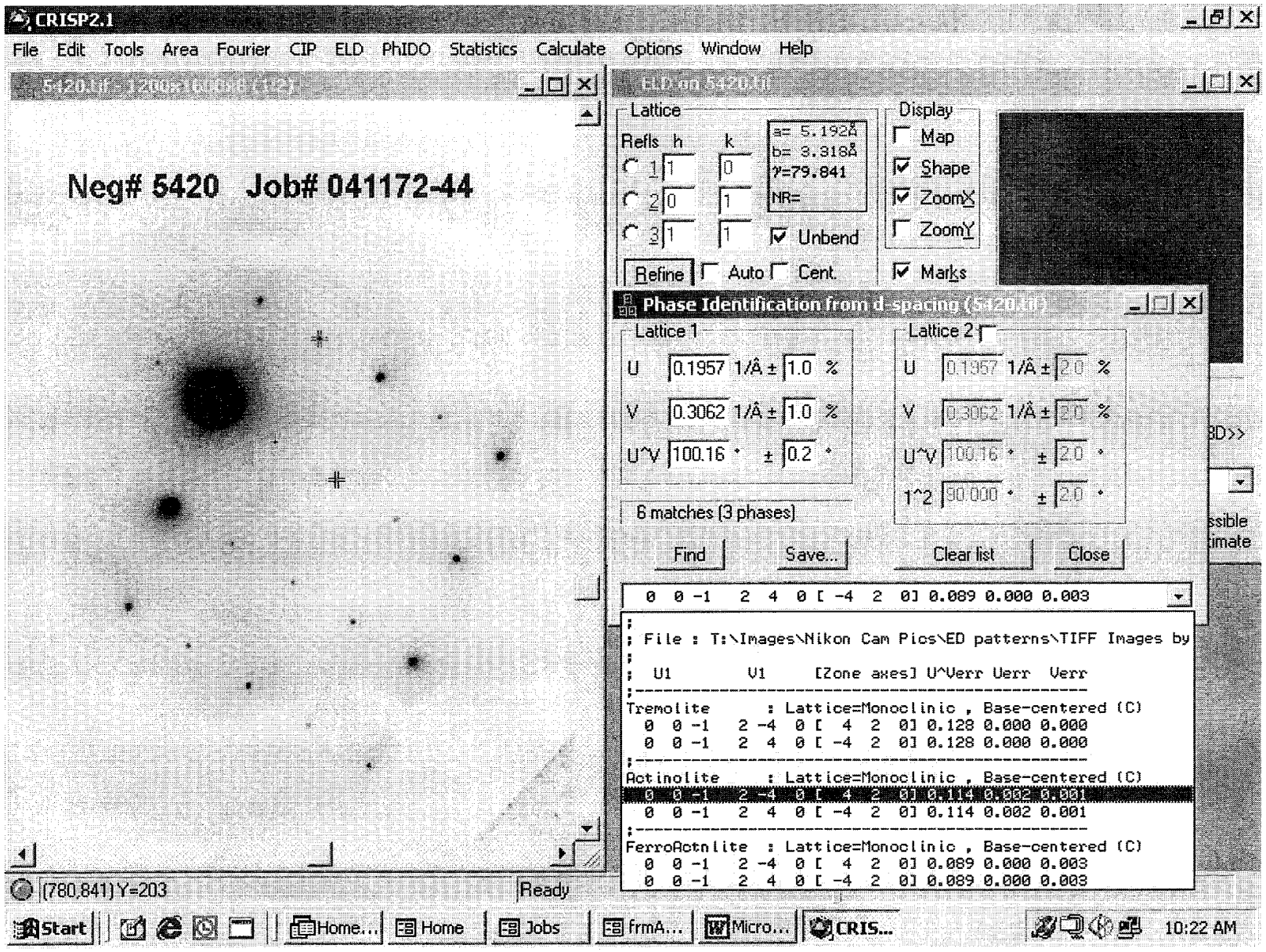
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.783	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0.111	Ti+4	0.0167	0.0000	**0.0167**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.901	Fe+3	0.2367			0.2367	0.0000				
MgO	13.955	Mg+2	2.9576			2.9576	**0.0000**				
MnO	0.3	Fe+2	1.7476			1.7476	**0.0000**				
CaO	11.845	Mn+2	0.0415			0.0414	**0.0001**				
Na2O	0	Ca+2	1.8051					1.8051	0.0000		
K2O	0.105	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0231							0.0231	0.0000
Total	**100**		**Excess**	T site	**0.0167**	C site	**0.0001**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8051**		**0.0231**	**0.0000**
			%Fill	**100**		**100**		**90.2529**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-44-15312**

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	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.63	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

ACTINOLITE
[2 1 0]

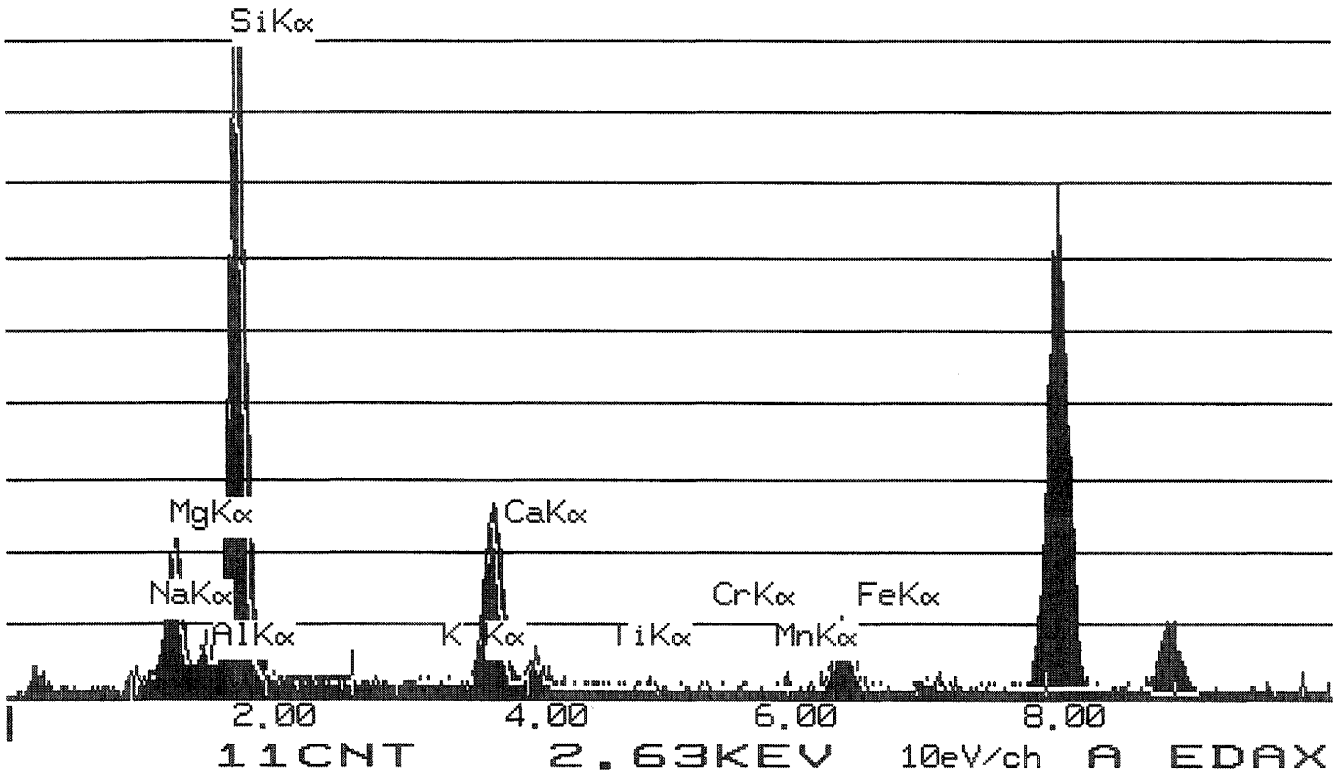


INTE-% :
LABEL = 041172-44 15315
07-NOV-72 22:53:36
30.236 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	32.246	10.135	16.805
ALK	6.548	1.236	2.336
SIK	163.116	28.835	61.688
CAK	49.973	8.423	11.785
TIK	0.496	0.118	0.197
FEK	22.457	5.028	7.189
TOTAL			100.000

USED PEIF: USER

06-NOV-04 22:53:58 SUPER QUANT
RATE= 2222CPS TIME= 30LSEC
FS= 541/ 541 PRST= 200LSEC
A =041172-44 15315



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.688	Si+4	8.0000	8.0000							
Al2O3	2.336	Al+3	0.3959	0.0000	**0.3959**						
TiO2	0.197	Ti+4	0.0540	0.0000	**0.0540**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	7.189	Fe+3	0.0243			0.0243	0.0000				
MgO	16.805	Mg+2	3.4273			3.4273	**0.0000**				
MnO	0	Fe+2	0.8360			0.8360	**0.0000**				
CaO	11.785	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7417					1.7417	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	0.4499	C site	0.0000	B site	0	A site	0

		Total	8	4.7376	1.7417	0.0000	0.0000
Prefix	none	%Fill	100	94.7528	87.0869		
Name	actinolite						
Modifier	none						
Group	Calcic Amphibole						

Sample # 041172-44-15315

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)	0.80	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

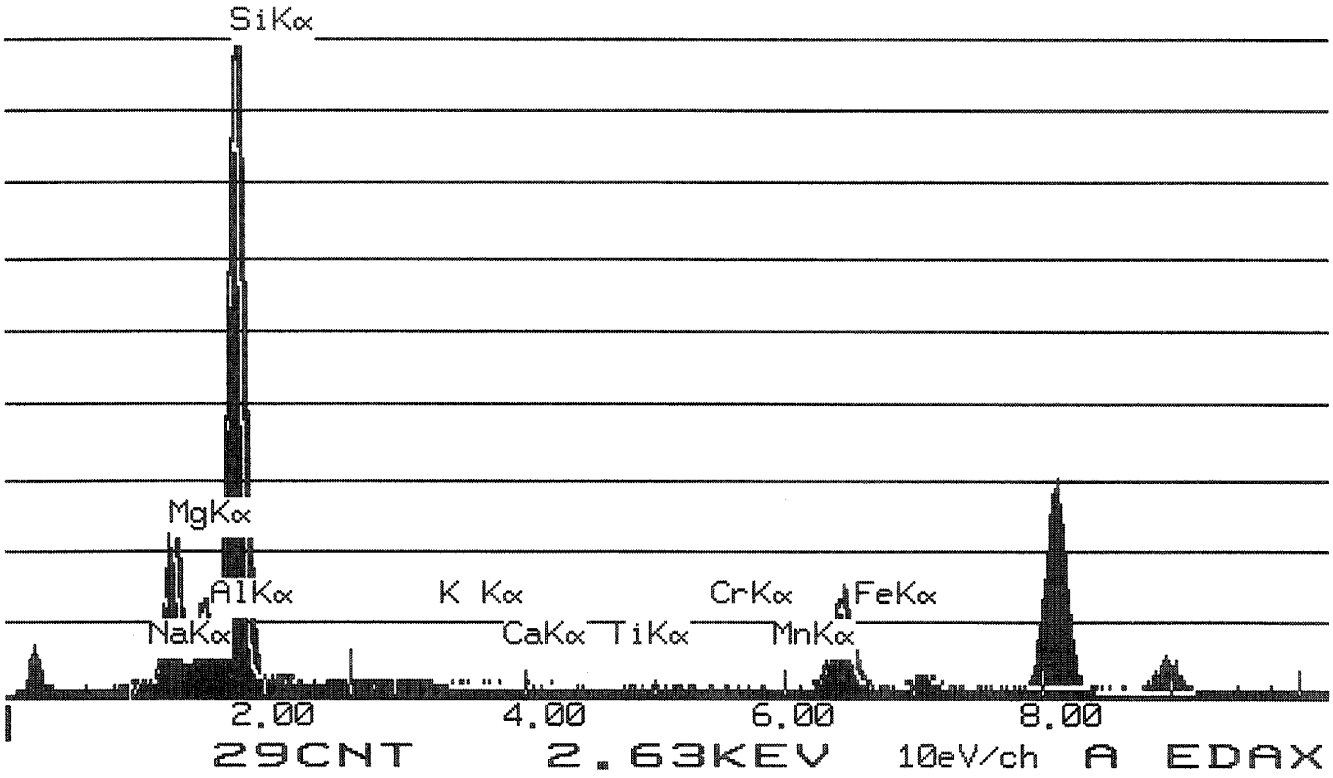
INTE-% :
LABEL = 041172-44 15316
08-NOV-72 01:53:38
59.416 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	68.753	12.895	21.382
ALK	32.399	3.650	6.897
SIK	273.866	28.890	61.805
K K	1.144	0.201	0.242
CAK	0.623	0.063	0.088
TIK	0.337	0.048	0.080
FEK	49.768	6.649	9.507

TOTAL			100.000

USED PEIF: USER

07-NOV-04 01:54:01 SUPER QUANT
RATE= 254CPS TIME= 59LSEC
FS= 1838/ 1838 PRST= 200LSEC
A =041172-44 15316



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.805	Si+4	8.0000	8.0000							
Al2O3	6.897	Al+3	1.0698	0.0000	**1.0698**						
TiO2	0.08	Ti+4	0.0175	0.0000	**0.0175**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	9.507	Fe+3	0.0000			0.0000	0.0000				
MgO	21.382	Mg+2	4.1849			3.9127	**0.2721**				
MnO	0	Fe+2	1.0496			0.0000	**1.0496**				
CaO	0.088	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	0.0261					0.0261	0.0000		
K2O	0.242	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0485							0.0485	0.0000
Total	100.001		Excess	T site	1.0873	C site	1.3217	B site	0	A site	0
			Total	8		5.0000		0.0261		0.0485	0.0000
			%Fill	100		100		1.30262			

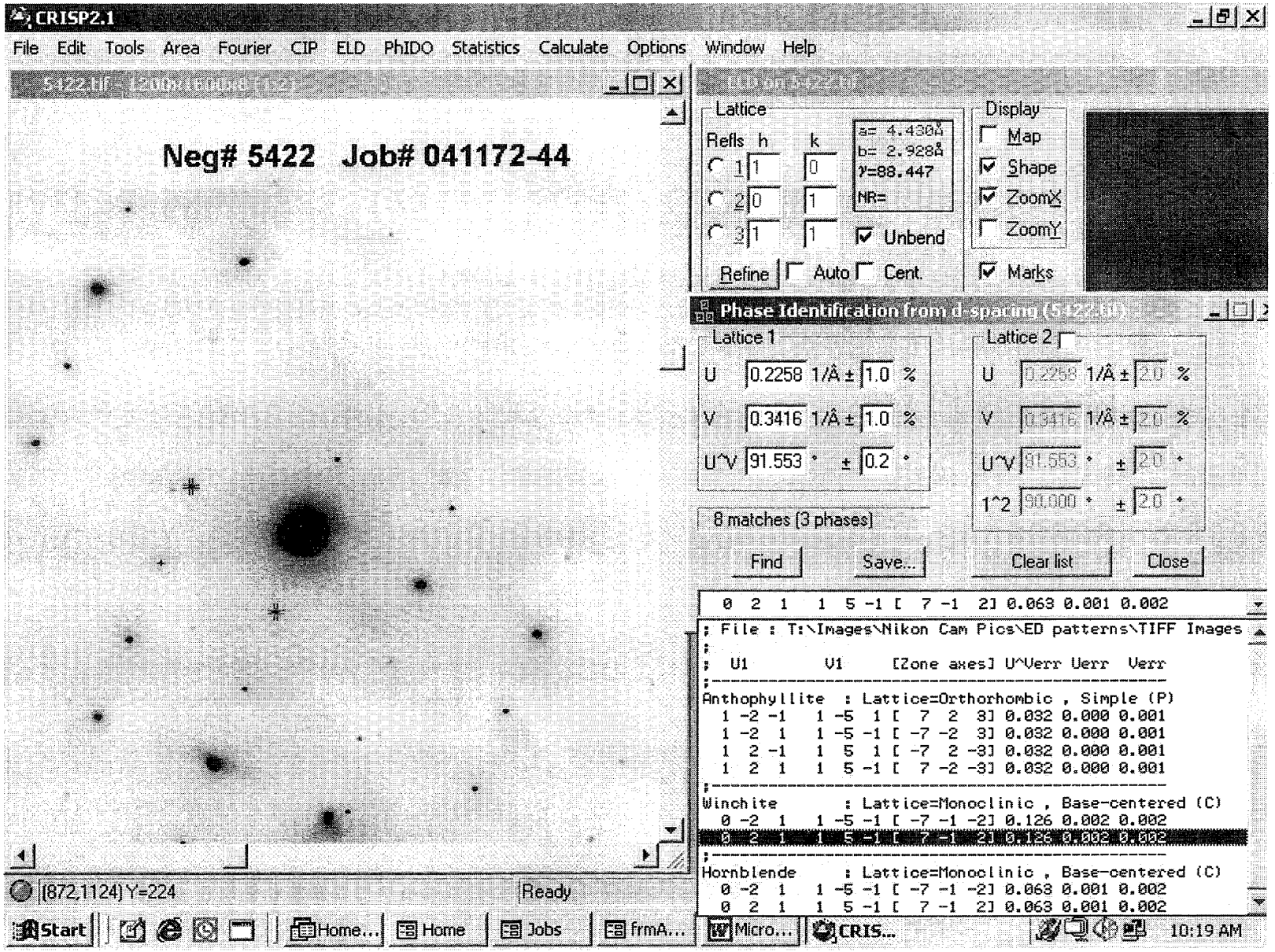
Prefix none
Name anthophyllite, holmquistite, cummingtonite, clinoholmquistite
Modifier none
Group Mg-Fe-Mn Amphibole

Sample # 041172-44-15316

Values		Satisfied Conditions
(Ca,Na)@B	0.03	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	1.32	(Mg/(Mg+Fe2))>= 0.5
Mg/(Mg+Fe2)	0.80	Si > 7
Si	8.00	

Mineral Analysis Program (Version 5.0)

WINCHITE
[7 -1 2]

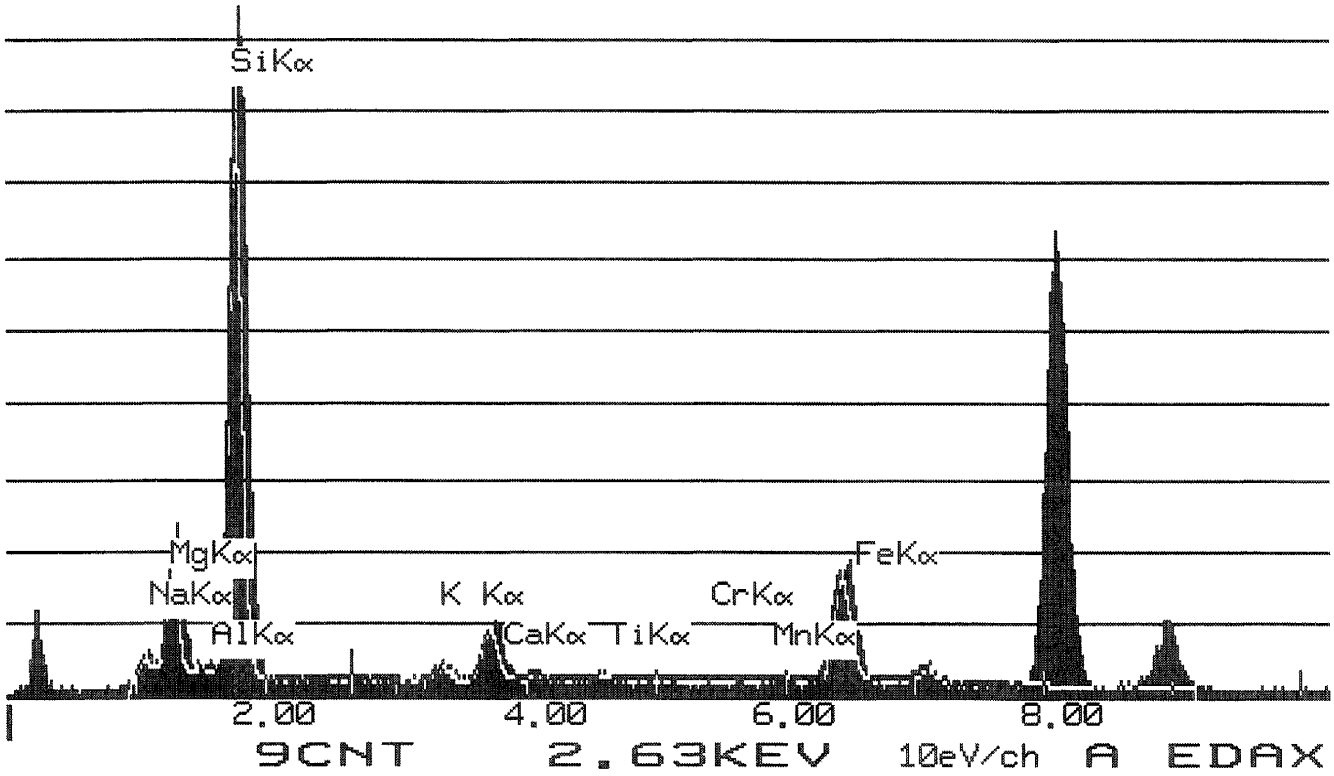


INTE-% :
LABEL = 041172-44 15317
08-NOV-72 02:16:08
32.287 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	10.902	4.227	5.698
MGK	53.211	9.739	16.149
ALK	4.801	0.528	0.997
SIK	268.408	27.630	59.111
K K	7.929	1.356	1.634
CAK	27.597	2.709	3.790
FEK	67.706	8.828	12.621
TOTAL			100.000

USED PEIF: USER

07-NOV-04 02:16:31 SUPER QUANT
RATE= 361CPS TIME= 32LSEC
FS= 1021/ 1021 PRST= 200LSEC
A =041172-44 15317



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.111	Si+4	8.0000	8.0000							
Al2O3	0.997	Al+3	0.1744	0.0000	**0.1744**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.621	Fe+3	0.5839			0.5839	0.0000				
MgO	16.149	Mg+2	3.3499			3.3499	**0.0000**				
MnO	0	Fe+2	0.8322			0.8322	**0.0000**				
CaO	3.79	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	5.698	Ca+2	0.5822					0.5822	0.0000		
K2O	1.637	Na+	1.5533					1.4178	**0.1355**	0.1355	0.0000
		K+	0.3013							0.3013	0.0000
Total	**100.003**		**Excess**	T site	**0.1744**	C site	**0.0000**	B site	**0.1355353**	A site	**0**
			Total	**8**		**4.9404**		**2.0000**		**0.4368**	**0.0000**
			%Fill	**100**		**98.8075**		**100**			

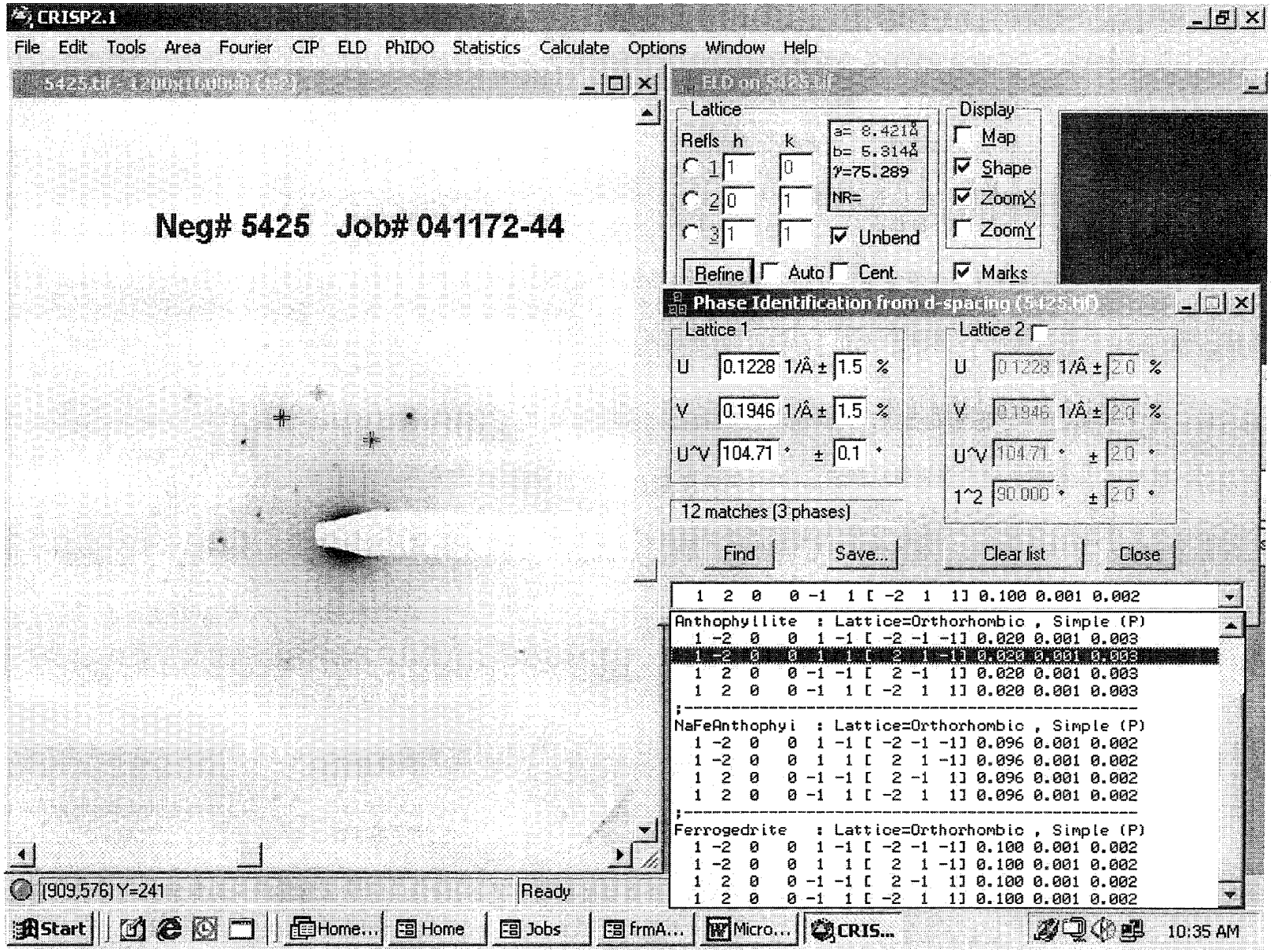
Prefix none
Name winchite
Modifier Potassian
Group Sodic-Calcic Amphibole

Sample # **041172-44-15317**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and 0.5 <= Na@B < 1.5
Na@B	1.42	(Na,K)@A < 0.5
Na,K)@A	0.44	(Mg/(Mg+Fe2))>= 0.5
Mg/(Mg+Fe2)	0.80	Si > 7.5
Si	8.00	

Mineral Analysis Program (Version 5.0)

ANTHOPHYLLITE
[2 1 -1]



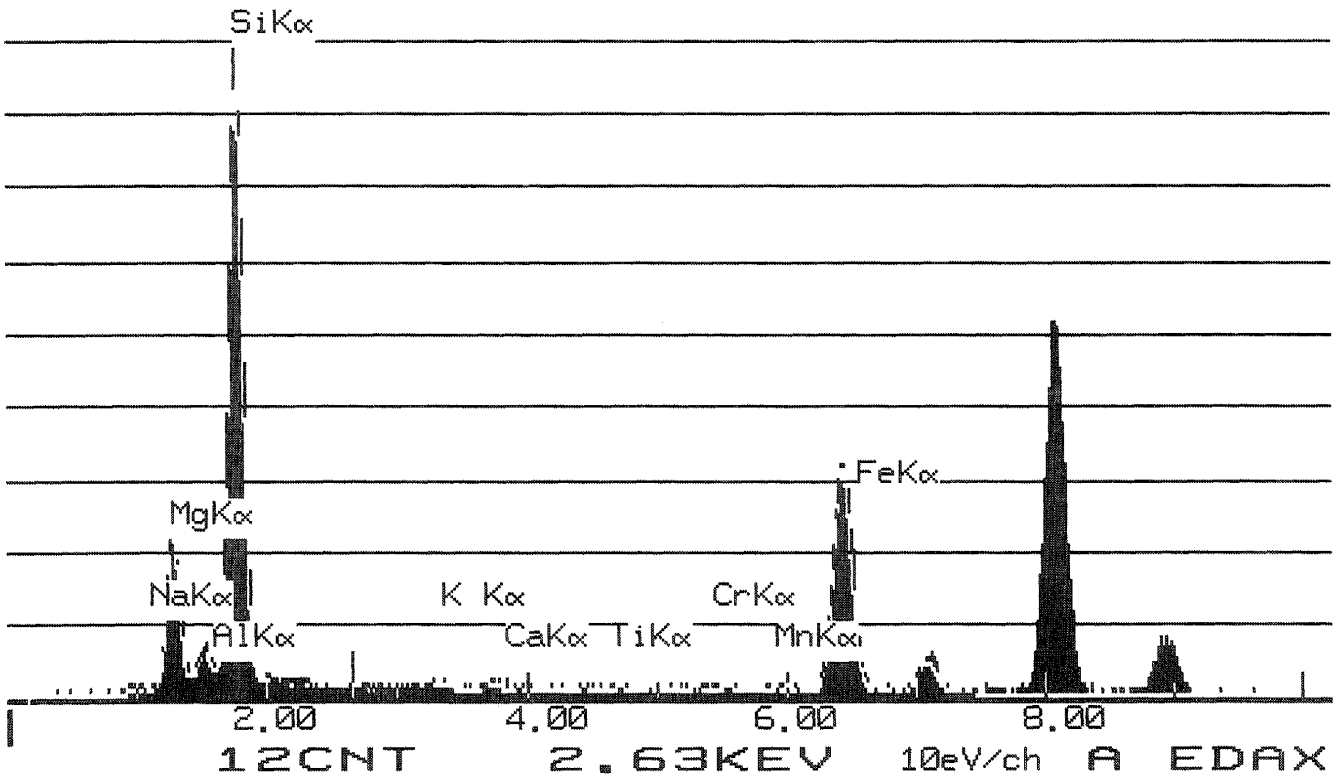
INTE-% :
LABEL = 041172-44 SP 15320
08-NOV-72 17:48:02
58.334 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.411	0.251	0.338
MGK	38.057	10.952	18.159
ALK	7.834	1.354	2.559
SIK	159.496	25.815	55.226
K K	0.754	0.203	0.244
CAK	1.457	0.225	0.315
TIK	0.617	0.134	0.224
CRK	0.651	0.140	0.204
MNK	0.874	0.195	0.251
FEK	76.696	15.722	22.479

TOTAL			100.000

USED PEIF: USER

07-NOV-04 17:48:31 SUPER QUANT
RATE= 1057CPS TIME= 58LSEC
FS= 1023/ 1023 PRST= 200LSEC
A =041172-44 SP 15320



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.226	Si+4	7.8187	7.8187							
Al2O3	2.559	Al+3	0.4270	0.1813	**0.2457**						
TiO2	0.224	Ti+4	0.0239	0.0000	**0.0239**						
Cr2O3	0.204	Cr+3	0.0228			0.0228	0.0000				
Fe(total)O	22.479	Fe+3	0.0000			0.0000	0.0000				
MgO	18.159	Mg+2	3.8327			3.8327	**0.0000**				
MnO	0.251	Fe+2	2.6612			0.8749	**1.7863**				
CaO	0.315	Mn+2	0.0301			0.0000	**0.0301**				
Na2O	0.338	Ca+2	0.0478					0.0478	0.0000		
K2O	0.244	Na+	0.0928					0.0928	**0.0000**	0.0000	0.0000
		K+	0.0441							0.0441	0.0000
Total	99.999		Excess	T site	**0.2695**	C site	**1.8163**	B site	**0**	A site	**0**
			Total	8		5.0000		0.1405		0.0441	0.0000
Prefix	none		%Fill	100		100		7.02747			

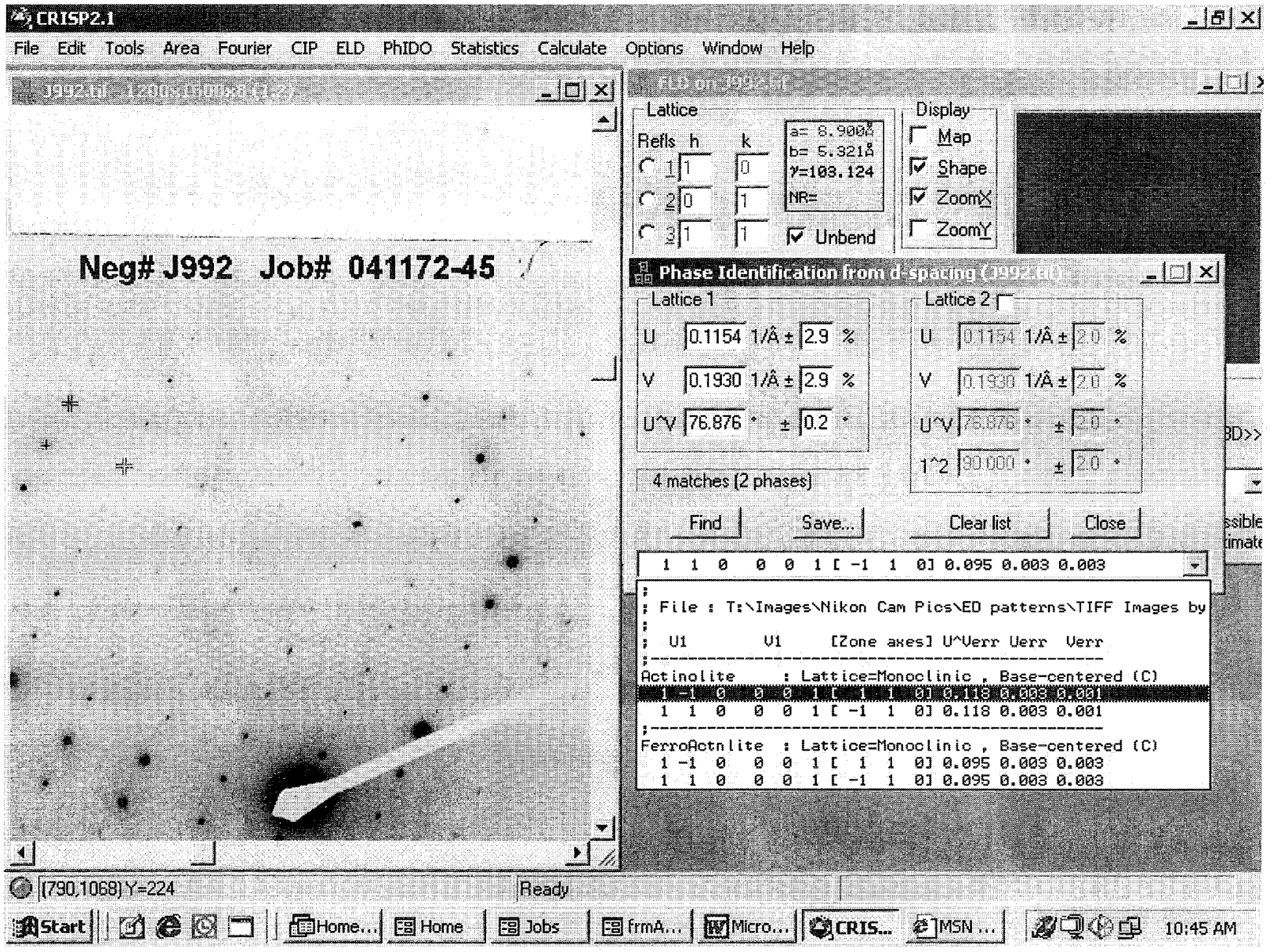
Name anthophyllite, holmquistite, cummingtonite, clinoholmquistite
Modifier none
Group Mg-Fe-Mn Amphibole

Sample # 041172-44-15320

Values		Satisfied Conditions
(Ca,Na)@B	0.14	(Ca,Na)@B < 1 and (Mg,Fe2,Mn)@B >= 0.95
(Mg,Fe2,Mn)@B	1.82	(Mg/(Mg+Fe2))>= 0.5
Mg/(Mg+Fe2)	0.59	Si > 7
Si	7.82	

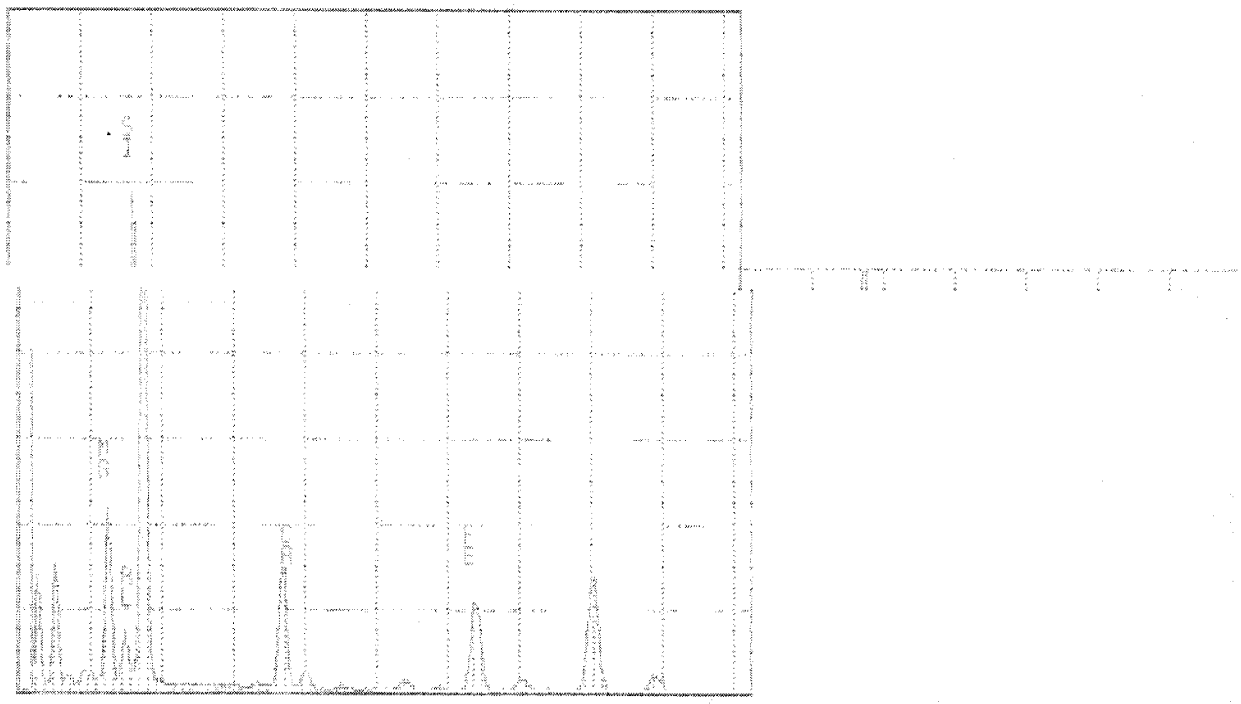
Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 1 0]



TN-2500 University of Washington / JEOL SUN 07-NOV-84 10:43

Dwell: 0.000keV = 0



TN FLEXTRAN [13-8]

SCHTT: QUANTIFY
Spectrum Analysis
SCHTF -SUM20

Chi-sqrd = 3.79

Element	Net Counts	
Si-K	16899 +/-	247
Mg-K	5107 +/-	248
Al-K	1720 +/-	383
K -K	282 +/-	81
Ca-K	5149 +/-	147
Fe-K	5083 +/-	187
Na-K	196 +/-	119

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

841172-45 8P 72.7

EL-LINE	PEAK	K-FACTOR	CEL/CKLF	ATOMK	EL WTX	WTX	FORMULA
SI-K	16899	1.000	1.000	28.54	24.13	45.49	SIO2
MG-K	5107	1.088	0.302	7.24	7.98	13.14	MGO
AL-K	1720	0.750	0.077	1.63	2.00	3.77	AL2O3
K-K	282	1.060	0.013	0.19	0.39	0.40	K2O
CA-K	5149	0.949	0.289	4.16	7.56	10.59	CAO
FE-K	5083	1.399	0.421	4.33	11.81	15.73	FE2O3
NA-K	196	0.549	0.006	0.16	0.17	0.34	NA2O3
O			1.710	61.75	44.90		

1,28
*
0,0
*

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.99	Si+4	7.8400	7.8400							
Al2O3	3.79	Al+3	0.6254	0.1600	**0.4654**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.73	Fe+3	0.3149			0.3149	0.0000				
MgO	13.16	Mg+2	2.7472			2.7472	**0.0000**				
MnO	0	Fe+2	1.4918			1.4725	**0.0193**				
CaO	10.59	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.34	Ca+2	1.5886					1.5886	0.0000		
K2O	0.4	Na+	0.0923					0.0923	**0.0000**	0.0000	0.0000
		K+	0.0714							0.0714	0.0000
Total	**100**		**Excess**	T site	**0.4654**	C site	**0.0193**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6809**		**0.0714**	**0.0000**
			%Fill	**100**		**100**		**84.0465**			

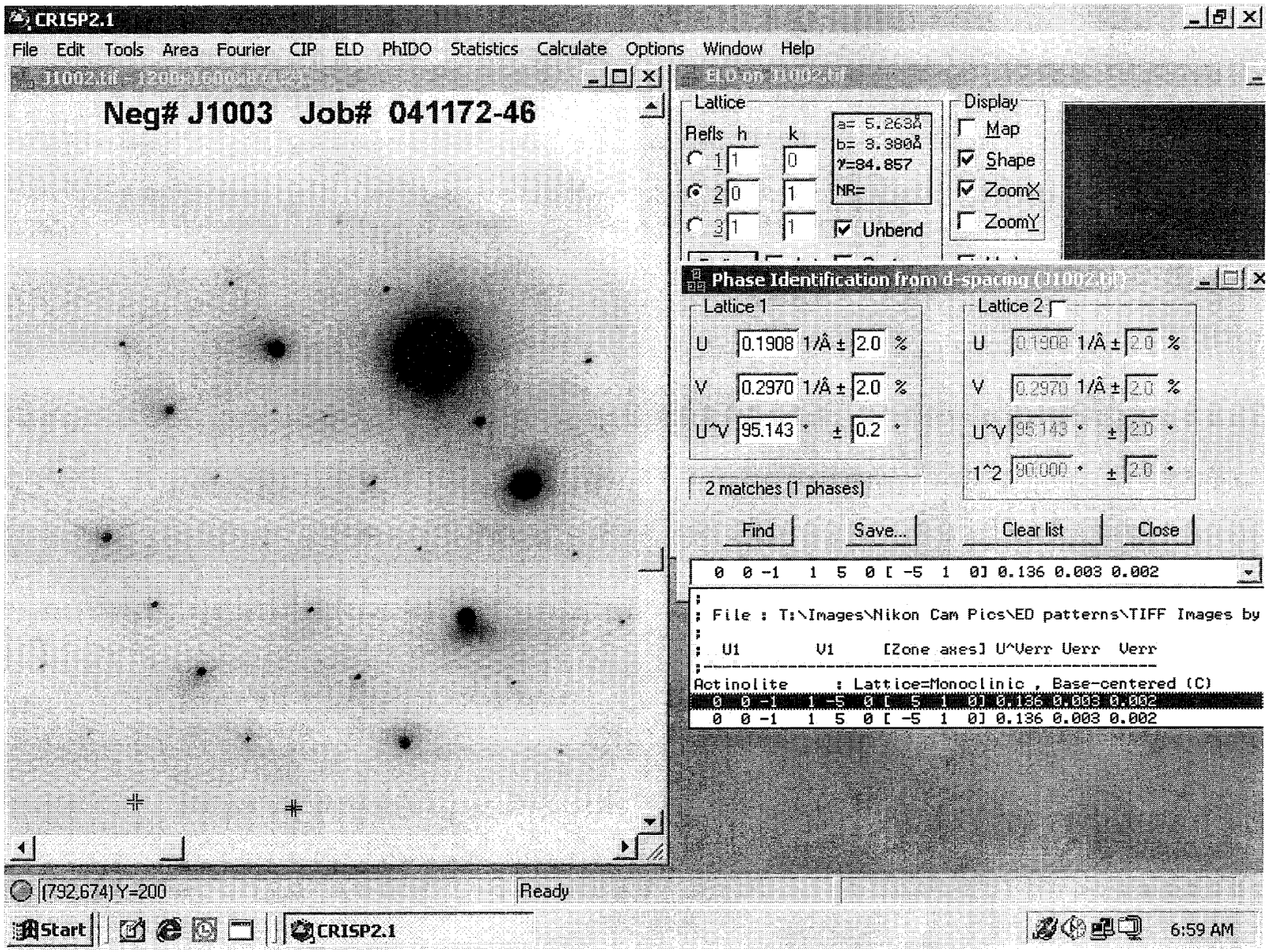
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-45-727**

Values		Satisfied Conditions
(Ca,Na)@B	1.68	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.09	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.59	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.65	(Mg/(Mg+Fe2))< 0.9
Si	7.84	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 0]



SP: 728

** SUMTF/
SUMTF -DR/RO

SUMTF: WUANILIY
Standardless Analysis

Refit _K K' _K K"
Refit _ALK"
Refit _NAK'
Chi-sqrd = 2.84

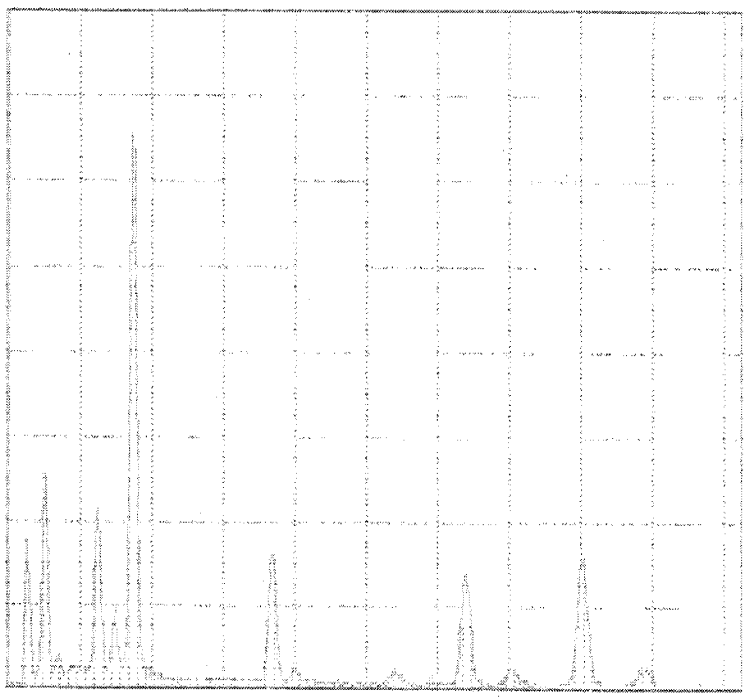
Element	Net Counts	
Si-K	9069 +/-	162
Mg-K	2615 +/-	140
Al-K	1020 +/-	75
K -K	71 +/-	27
Ca-K	2969 +/-	107
Fe-K	3174 +/-	106
Na-K	173 +/-	77

REF.S FDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

EXPT.(7-D) DATA LABEL

EL-LINE	PEAK	K-FACTOR	DEL/TREF	ATOMX	EL WT%	WT%	FORMULA
Si-K	9069	1.000	1.000	20.12	25.39	54.40	SIO2
MG-K	2615	1.000	0.280	8.77	7.32	12.20	MGO
AL-K	1020	0.750	0.084	1.76	2.14	4.05	AL2O3
K-K	71	1.069	0.008	0.12	0.21	0.44	K2O
CA-K	2969	0.949	0.311	6.38	7.90	11.05	CAO
FE-K	3174	1.344	0.452	4.95	12.24	17.49	FE2O3
NA-K	173	0.545	0.011	0.26	0.27	0.59	NA2O
O			1.754	61.75	44.50		

TN-5500 University of Washington / JEOL SUN 07-NOV-04 15:09
Current 0.000nA = 0



0.000 VFS = 1024 10.240

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.4	Si+4	7.7174	7.7174							
Al2O3	4.05	Al+3	0.6771	0.2826	**0.3945**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.49	Fe+3	0.2987			0.2987	0.0000				
MgO	12.2	Mg+2	2.5802			2.5802	**0.0000**				
MnO	0	Fe+2	1.7428			1.7266	**0.0162**				
CaO	11.05	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.55	Ca+2	1.6794					1.6794	0.0000		
K2O	0.26	Na+	0.1513					0.1513	**0.0000**	0.0000	0.0000
		K+	0.0470							0.0470	0.0000
Total	**100**		**Excess**	T site	**0.3945**	C site	**0.0162**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8307**		**0.0470**	**0.0000**
			%Fill	**100**		**100**		**91.5333**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-46-728**

Values		Satisfied Conditions
(Ca,Na)@B	1.83	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.15	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.68	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.60	(Mg/(Mg+Fe2))< 0.9
Si	7.72	

Mineral Analysis Program (Version 5.0)

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Nefit _ALK' _ALK" _FEK" _NOK
Chi-sqrd = 2.36

Element	Net Counts
Si-K	7850 +/- 130
Mg-K	2320 +/- 77
Al-K	558 +/- 62
K -K	59 +/- 25
Ca-K	2642 +/- 103
Fe-K	2055 +/- 70
Na-K	0 +/- 0

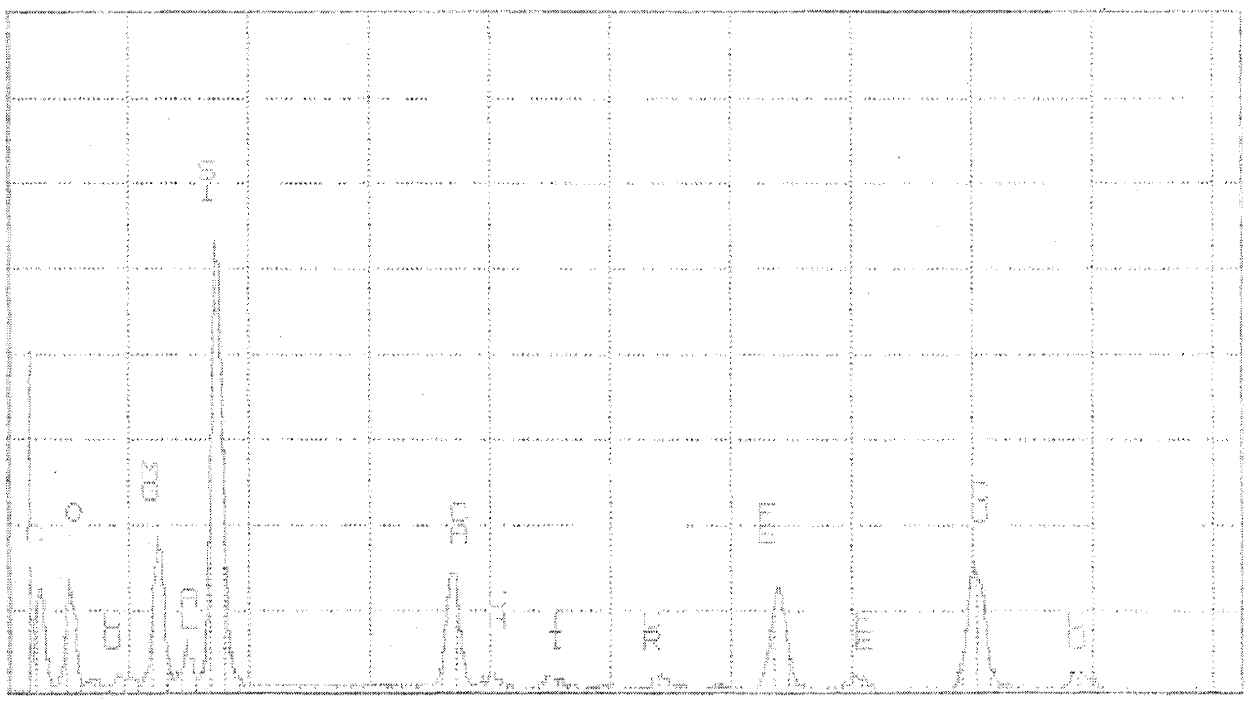
NBAKS	EDS:SIK	EDS:MGK	EDS:ALK	EDS:K K	EDS:CAK	EDS:FEK	EDS:

0411T2-47 729

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
Si-K	7850	1.000	1.000	20.30	25.47	54.57	SiO2
Mg-K	2320	1.000	0.297	7.02	7.46	12.50	MgO
AL-K	558	0.750	0.051	1.12	1.36	2.57	AL2O3
K -K	59	1.060	0.008	0.12	0.21	0.25	K2O
CA-K	2642	0.949	0.132	4.54	8.20	11.48	CaO
FE-K	2055	1.099	0.509	6.17	12.97	18.61	FeO
Na-K	0	0.549	0.000	0.00	0.00	0.00	NA2O
O			1.737	61.69	44.24		

1.30
*

TN 5500 University of Washington / JEOL 09:N 07-Nov-04 20:57
Cursor: 0.000keV = 0



0.000 B- A VF- = 1000 10.240

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.57	Si+4	7.7638	7.7638							
Al2O3	2.57	Al+3	0.4309	0.2362	**0.1947**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.53	Fe+3	0.4563			0.4563	0.0000				
MgO	12.59	Mg+2	2.6704			2.6704	**0.0000**				
MnO	0	Fe+2	1.6974			1.6787	**0.0187**				
CaO	11.49	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7513					1.7513	0.0000		
K2O	0.25	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0454							0.0454	0.0000
Total	100		Excess	T site	**0.1947**	C site	**0.0187**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7513		0.0454	0.0000
			%Fill	100		100		87.5649			

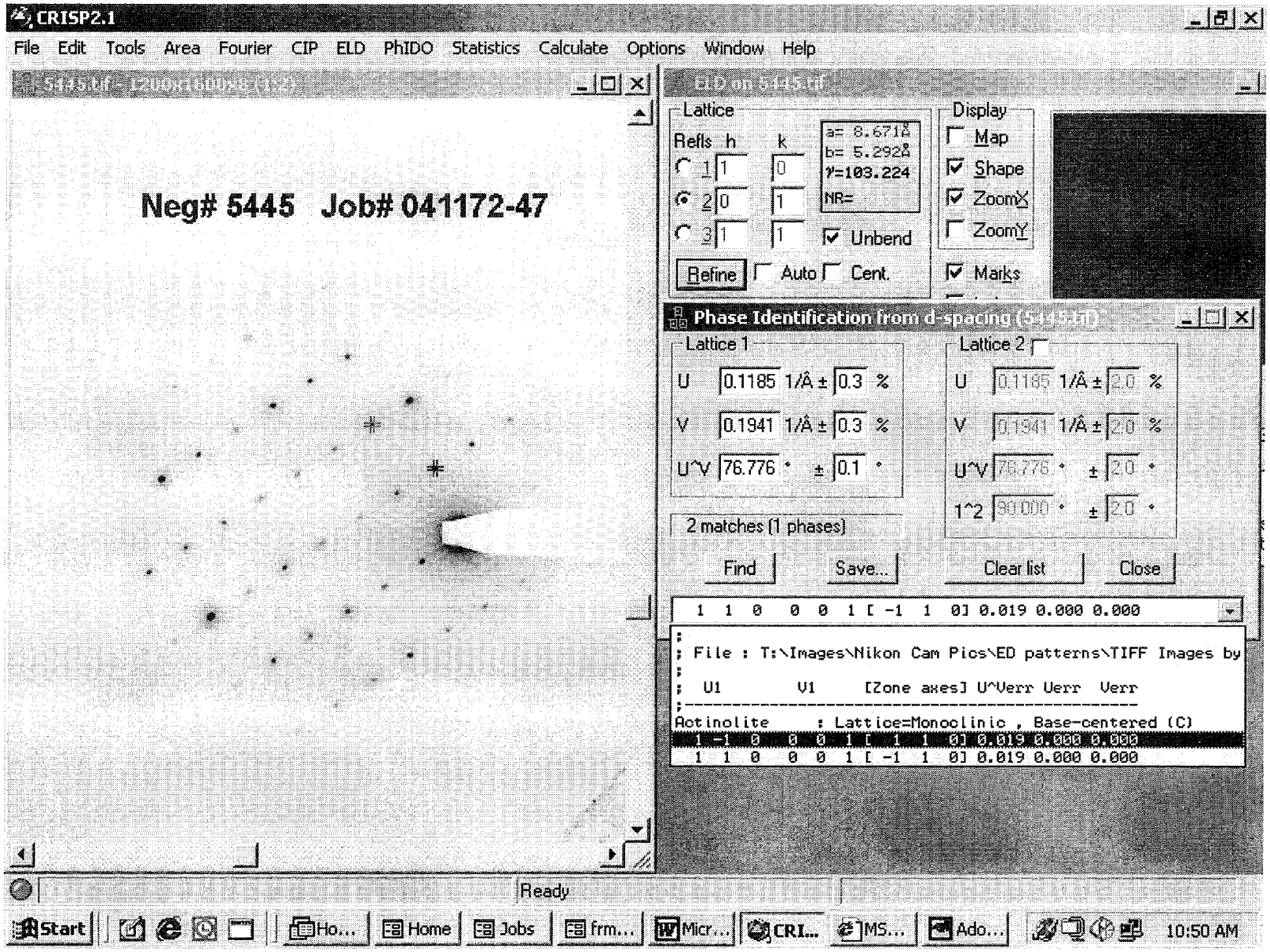
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 000000-00-00-00

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)	0.61	(Mg/(Mg+Fe2))< 0.9
Si	7.76	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 1 0]



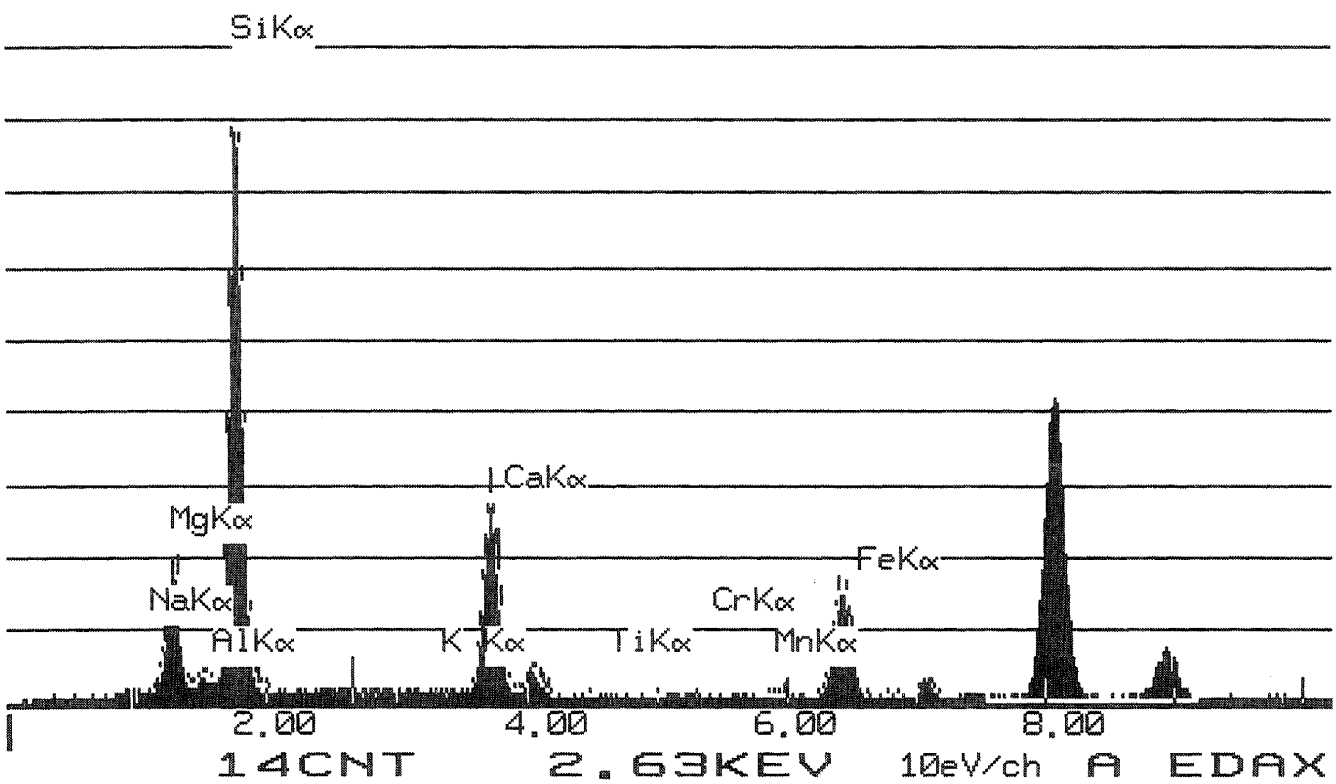
INTE-% :
LABEL = 041172-47 SP 15336
09-NOV-72 18:53:39
28.895 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	73.853	10.465	17.352
ALK	5.918	0.504	0.952
SIK	335.763	26.759	57.247
CAK	116.593	8.859	12.396
TIK	0.485	0.052	0.087
CRK	0.623	0.066	0.096
MNK	2.353	0.258	0.333
FEK	79.944	8.069	11.537

TOTAL			100.000

USED PEIF: USER

08-NOV-04 18:54:01 SUPER QUANT
RATE= 14CPS TIME= 29LSEC
FS= 1057/ 1057 PRST= 200LSEC
A =041172-47 SP 15336



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.247	Si+4	7.9203	7.9203							
Al2O3	0.952	Al+3	0.1552	0.0797	**0.0755**						
TiO2	0.087	Ti+4	0.0091	0.0000	**0.0091**						
Cr2O3	0.096	Cr+3	0.0105			0.0105	0.0000				
Fe(total)O	11.537	Fe+3	0.2642			0.2642	0.0000				
MgO	17.352	Mg+2	3.5790			3.5790	**0.0000**				
MnO	0.333	Fe+2	1.0411			1.0411	**0.0000**				
CaO	12.396	Mn+2	0.0390			0.0207	**0.0184**				
Na2O	0	Ca+2	1.8373					1.8373	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	**0.0845**	C site	**0.0184**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8373**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**91.8672**			

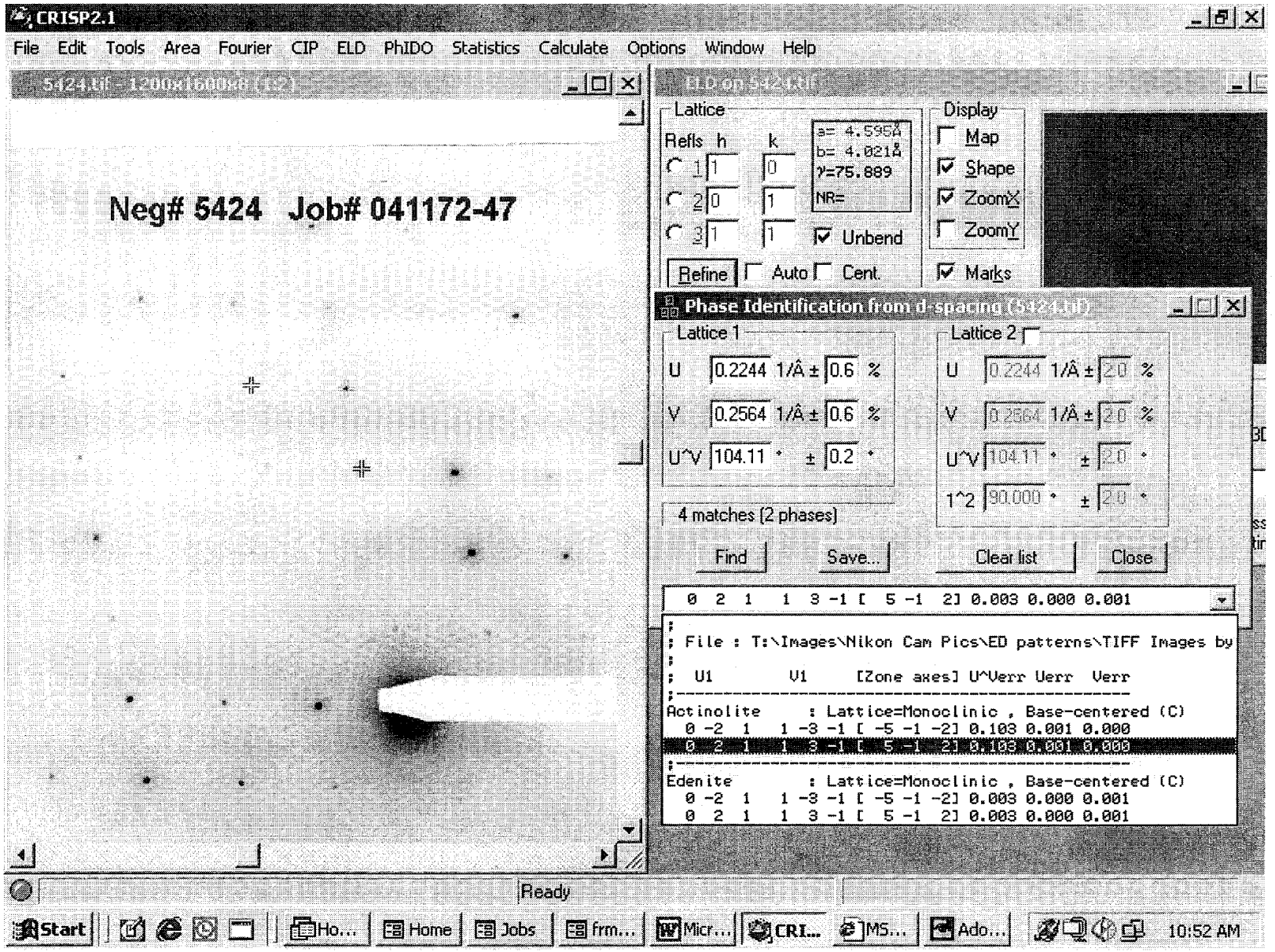
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-47-15336**

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	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.77	(Mg/(Mg+Fe2))< 0.9
Si	7.92	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 -1 2]



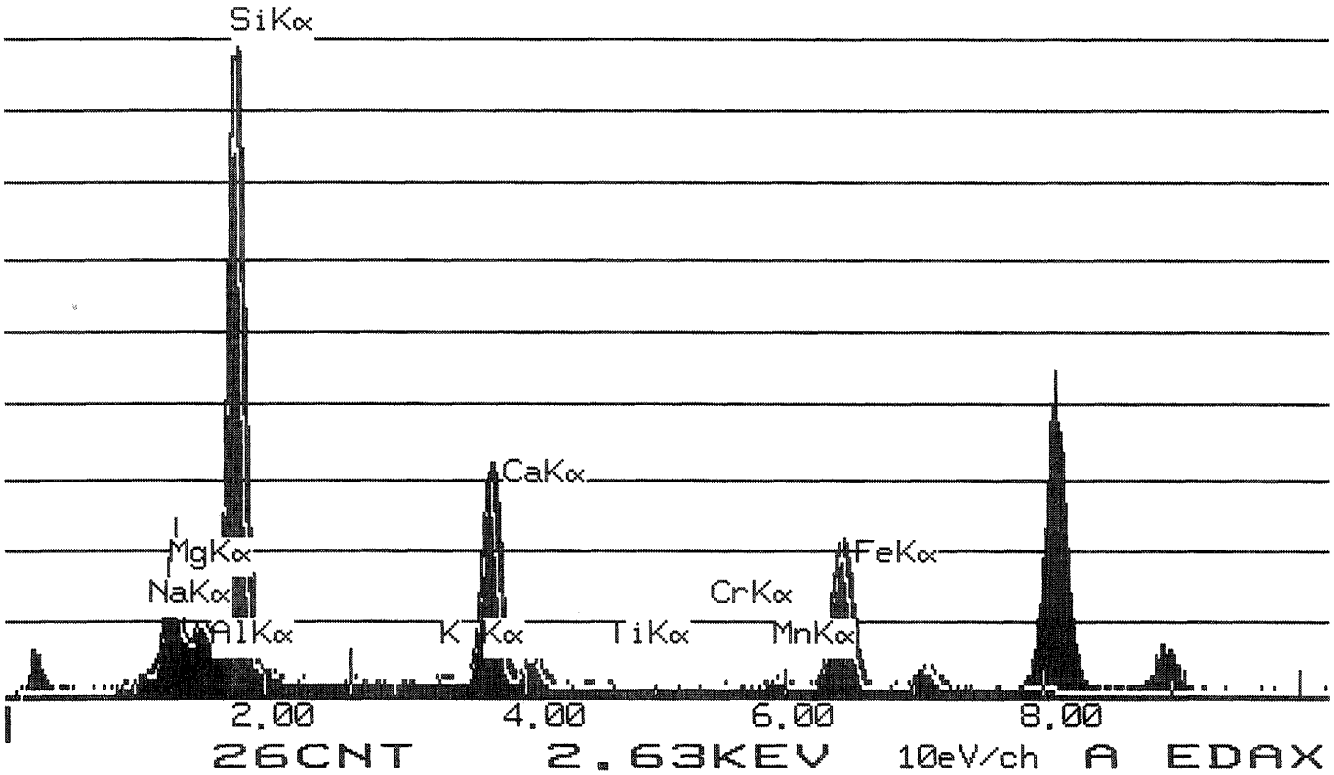
INTE-% :
LABEL = 041172-47 15319
10-NOV-72 00:07:35
32.168 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	75.200	8.285	13.738
ALK	17.378	1.150	2.173
SIK	408.640	25.322	54.174
K K	3.295	0.339	0.409
CAK	164.824	9.738	13.625
TIK	1.554	0.130	0.216
CRK	0.870	0.072	0.105
MNK	7.057	0.602	0.777
FEK	131.747	10.340	14.784

TOTAL			100.000

USED PEIF: USER

09-NOV-04 00:07:59 SUPER QUANT
RATE= 0CPS TIME= 32LSEC
FS= 1526/ 1526 PRST= 200LSEC
A =041172-47 15319



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.174	Si+4	7.7372	7.7372							
Al2O3	2.173	Al+3	0.3657	0.2628	**0.1029**						
TiO2	0.216	Ti+4	0.0232	0.0000	**0.0232**						
Cr2O3	0.105	Cr+3	0.0119			0.0119	0.0000				
Fe(total)O	14.784	Fe+3	0.0159			0.0159	0.0000				
MgO	13.738	Mg+2	2.9251			2.9251	**0.0000**				
MnO	0.777	Fe+2	1.7479			1.7479	**0.0000**				
CaO	13.625	Mn+2	0.0940			0.0940	**0.0000**				
Na2O	0	Ca+2	2.0847					2.0000	0.0847		
K2O	0.409	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0745							0.0745	0.0000
Total	**100.001**		**Excess**	T site	**0.1261**	C site	**0.0000**	B site	**0.0847327**	A site	**0**
			Total	**8**		**4.9209**		**2.0000**		**0.0745**	**0.0000**
			%Fill	**100**		**98.4176**		**100**			

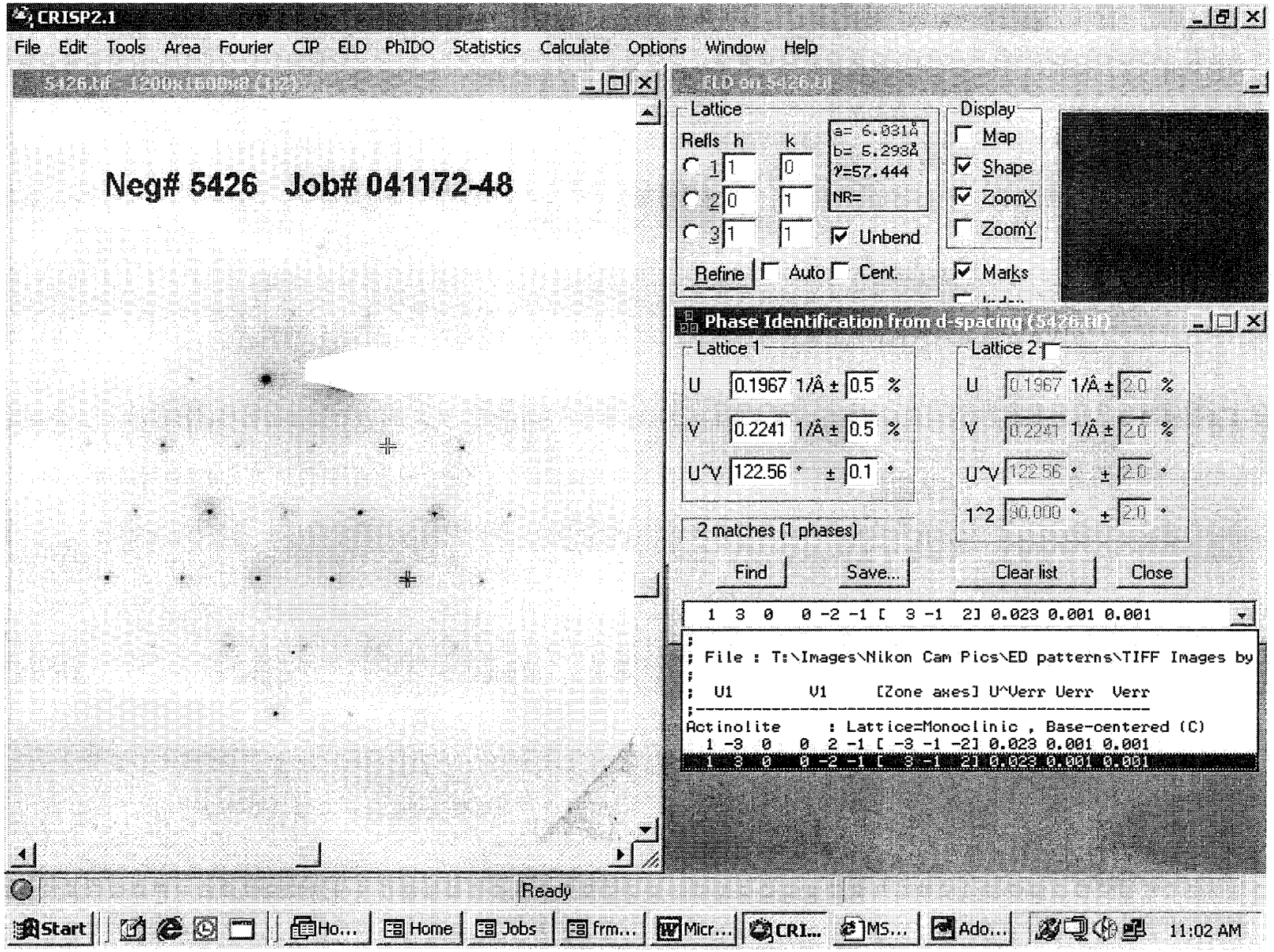
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # **041172-47-15319**

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	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.63	(Mg/(Mg+Fe2))< 0.9
Si	7.74	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 2]

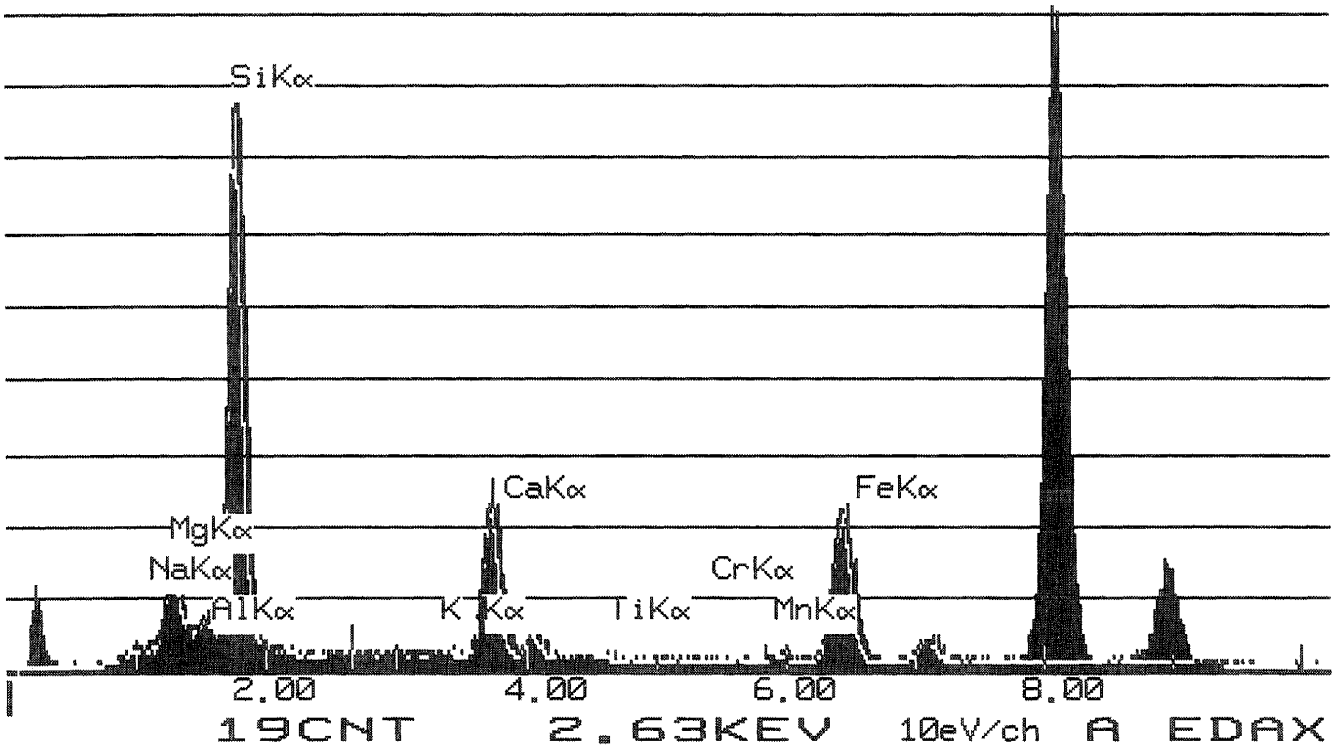


INTE-% :
LABEL = 041172-48 SP 15321
08-NOV-72 19:15:04
67.688 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	15.630	6.549	10.858
ALK	0.473	0.119	0.225
SIK	113.668	26.785	57.302
CAK	37.998	8.537	11.944
MNK	1.300	0.421	0.544
FEK	44.823	13.377	19.126
TOTAL			100.000

USED PEIF: USER

07-NOV-04 19:15:24 SUPER QUANT
RATE= 9576CPS TIME= 67LSEC
FS= 1023/ 1023 PRST= 200LSEC
A =041172-48 SP 15321



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.302	Si+4	8.0000	8.0000							
Al2O3	0.225	Al+3	0.0588	0.0000	**0.0588**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	19.126	Fe+3	0.0339			0.0339	0.0000				
MgO	10.858	Mg+2	2.3724			2.3724	**0.0000**				
MnO	0.544	Fe+2	2.2985			2.2985	**0.0000**				
CaO	11.944	Mn+2	0.0959			0.0959	**0.0000**				
Na2O	0	Ca+2	1.8716					1.8716	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	**0.0588**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8595**		**1.8716**		**0.0000**	**0.0000**
			%Fill	**100**		**97.1898**		**93.578**			

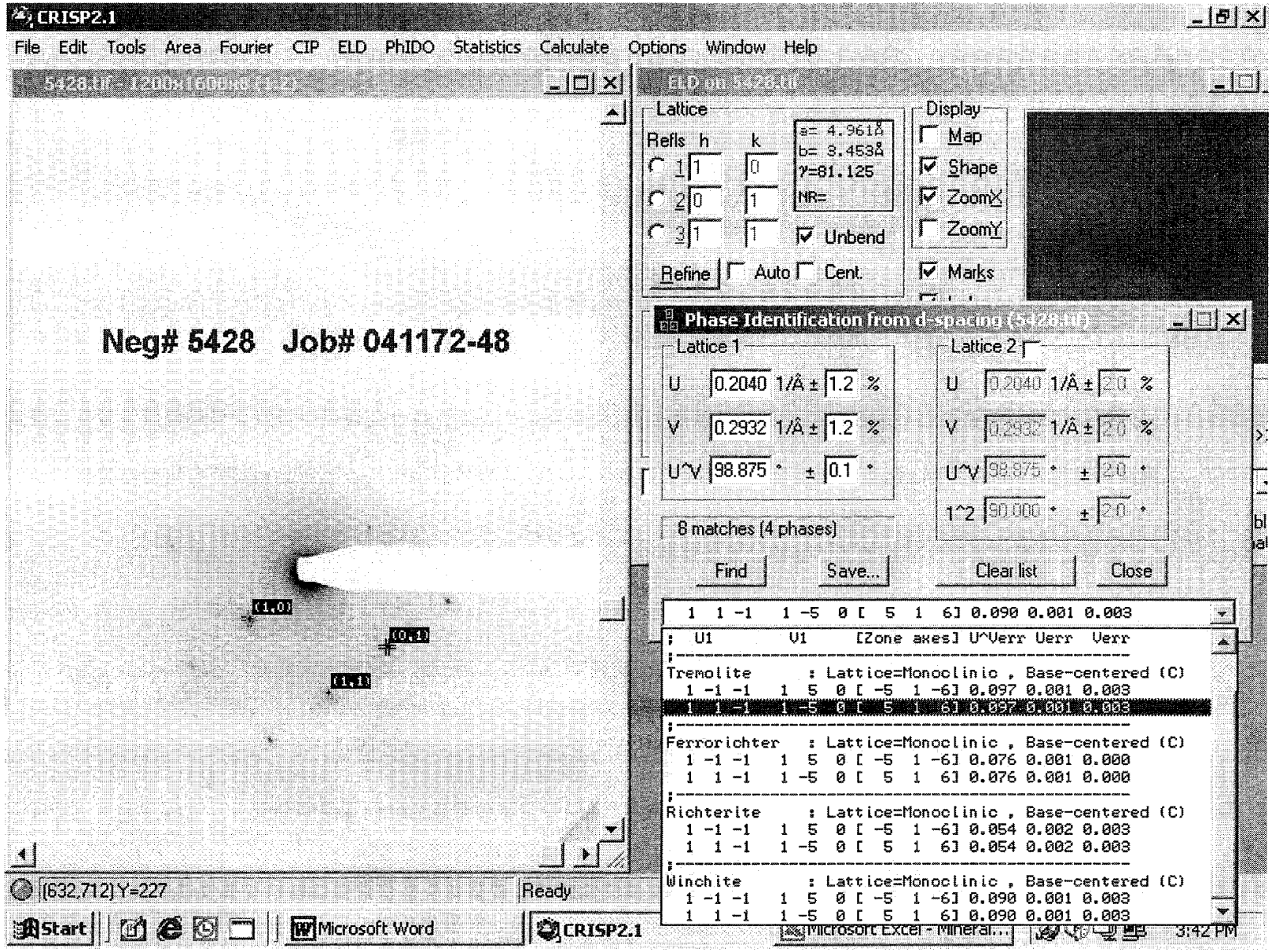
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-48-15321**

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)	0.51	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[516]

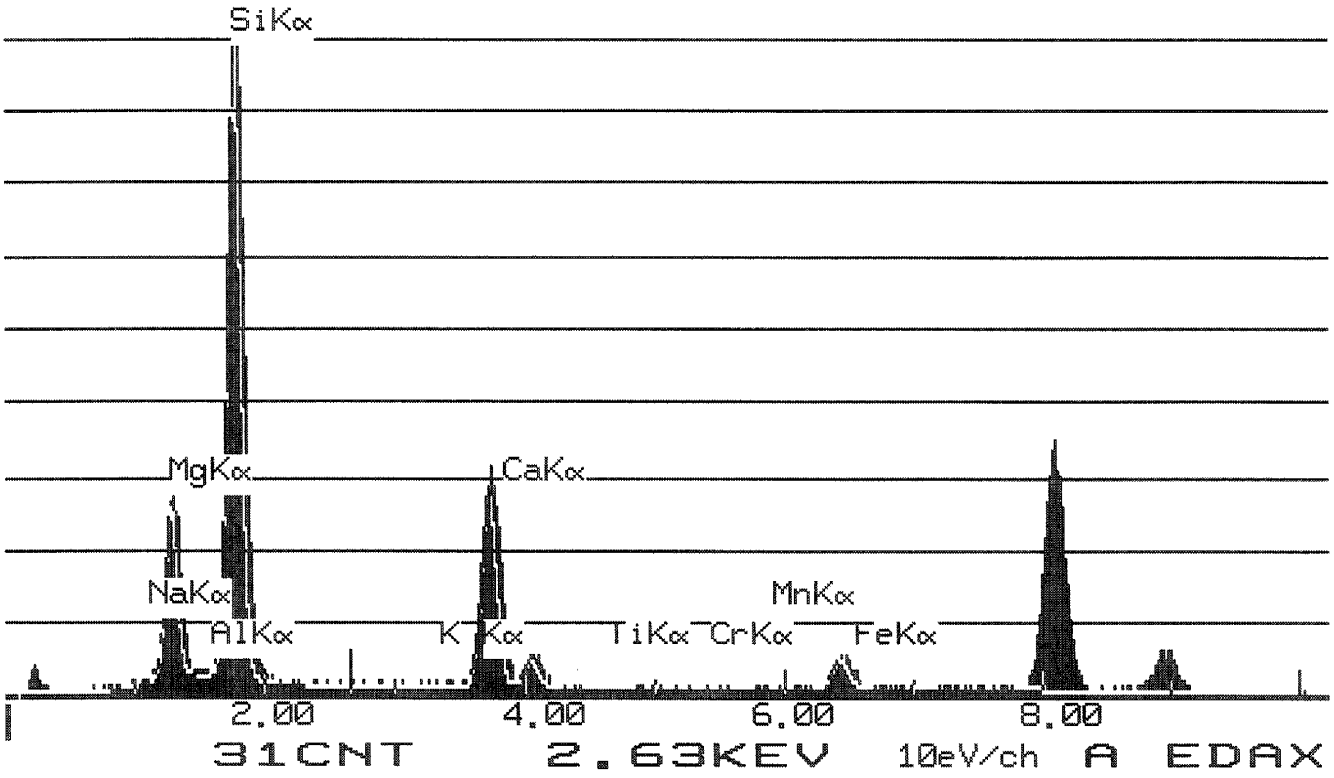


INTE-% :
LABEL = 041172-49 SP 15323
09-NOV-72 00:49:35
60.352 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	90.006	13.196	21.880
SIK	345.193	28.464	60.895
K K	1.110	0.152	0.183
CAK	123.311	9.694	13.564
TIK	1.259	0.140	0.233
MNK	0.580	0.066	0.085
FEK	21.159	2.210	3.159
TOTAL			100.000

USED PEIF: USER

08-NOV-04 00:49:55 SUPER QUANT
RATE=*****CPS TIME= 60LSEC
FS= 2259/ 2259 PRST= 200LSEC
A =041172-49 SP 15323



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.895	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0.233	Ti+4	0.0381	0.0000	**0.0381**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	3.159	Fe+3	0.0105			0.0105	0.0000				
MgO	21.88	Mg+2	4.3877			4.3877	**0.0000**				
MnO	0.085	Fe+2	0.3658			0.3658	**0.0000**				
CaO	13.564	Mn+2	0.0262			0.0262	**0.0000**				
Na2O	0	Ca+2	1.9626					1.9626	0.0000		
K2O	0.183	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0437							0.0437	0.0000
Total	**99.999**		**Excess**	T site	**0.0381**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8282**		**1.9626**		**0.0437**	**0.0000**
			%Fill	**100**		**96.5649**		**98.131**			

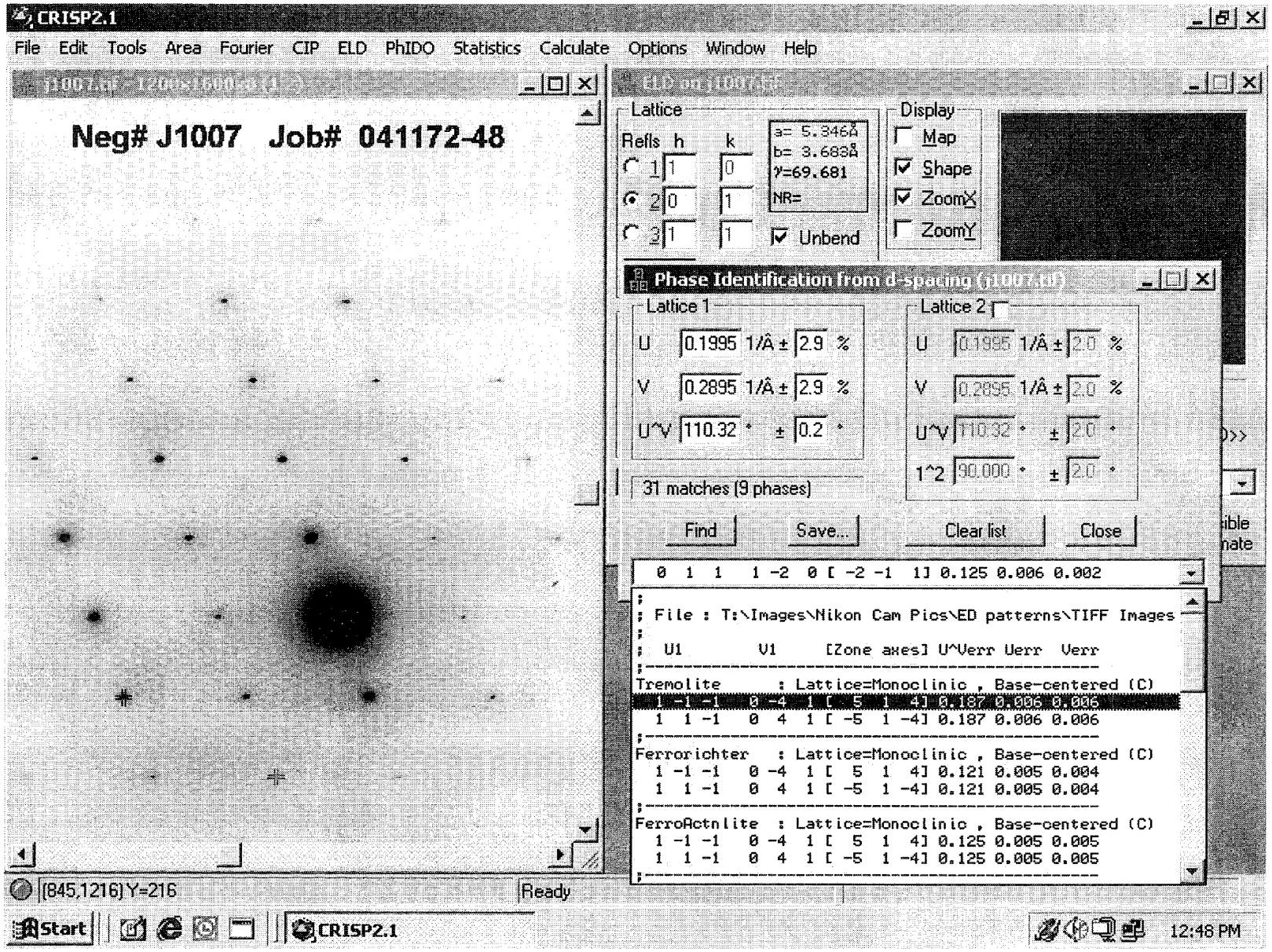
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # **041172-48-15323**

Values		Satisfied Conditions
(Ca,Na)@B	1.96	(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	1.96	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.92	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[5 1 4]



SOMMF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _ALK' _ALK" _K K' _K K" _FFK" _NAK
Chi-sqd = 4.39

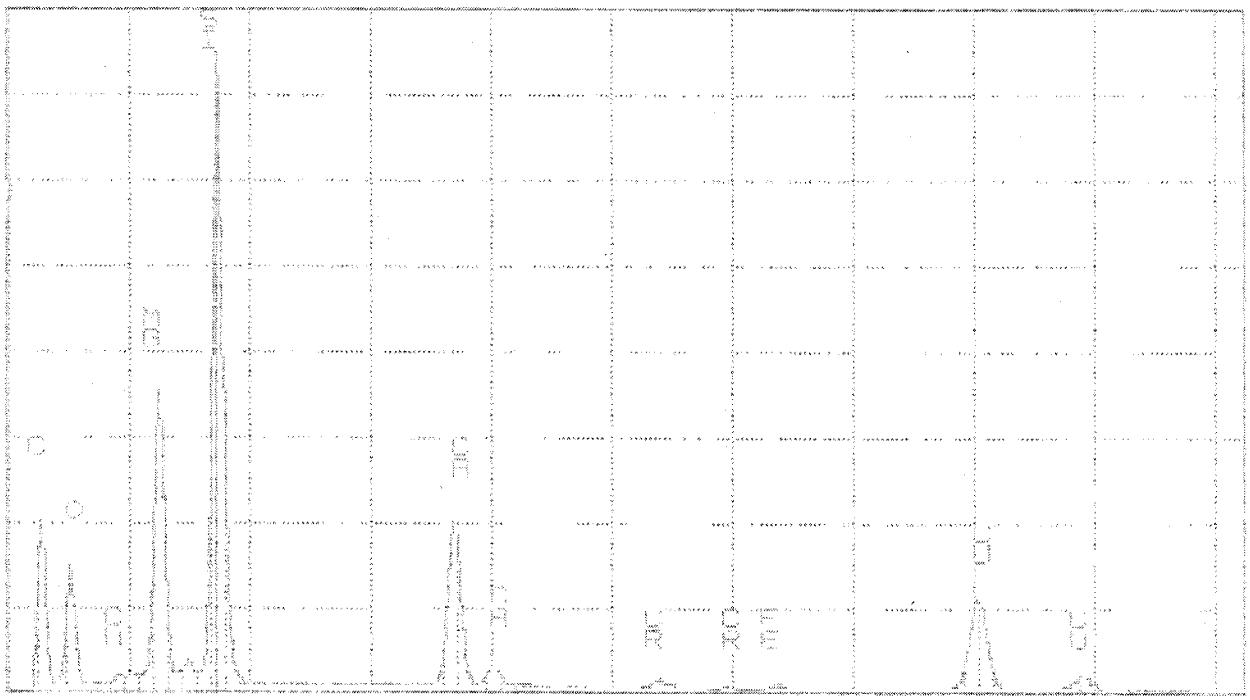
Element	Net Counts
Si-K	83146 +/- 419
Mg-K	35723 +/- 240
Al-K	1904 +/- 188
K -K	294 +/- 77
Ca-K	28877 +/- 331
Fe-K	938 +/- 79
Na-K	0 +/- 0

REF 9 EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

04117/2-48 7:49

EL-LINE	PEAK	K-FACTOR	CHI/CREF	ATOMS	EL WT%	WT%	FORMULA
SI-K	83146	1.000	1.000	22.11	29.64	63.52	SIO2
MG-K	35723	1.000	0.430	11.00	12.74	21.13	MGO
AL-K	1904	0.410	0.014	0.31	0.40	0.76	AL2O3
K-K	294	1.060	0.004	0.06	0.11	0.13	K2O
CA-K	28877	0.949	0.330	5.11	9.78	13.69	CAO
FE-K	938	1.399	0.016	0.17	0.47	0.67	FE2O3
NA-K	0	0.640	0.000	0.00	0.00	0.00	NA2O3
O			1.591	41.16	46.08		

TN-5000 University of Washington / JEOL 04-NOV-04 21:50
Cursor: 1.740keV = 7684



0.000 VFS = 8192 10.240

349 04117/2-48 7:49

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	63.52	Si+4	8.0000	8.0000							
Al2O3	0.76	Al+3	0.1501	0.0000	**0.1501**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	0.67	Fe+3	0.0215			0.0215	0.0000				
MgO	21.23	Mg+2	4.2340			4.2340	**0.0000**				
MnO	0	Fe+2	0.1190			0.1190	**0.0000**				
CaO	13.69	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9831					1.9831	0.0000		
K2O	0.13	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0570							0.0570	0.0000
Total	**100**		**Excess**	T site	**0.1501**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.5246**		**1.9831**		**0.0570**	**0.0000**
			%Fill	**100**		**90.4914**		**99.1531**			

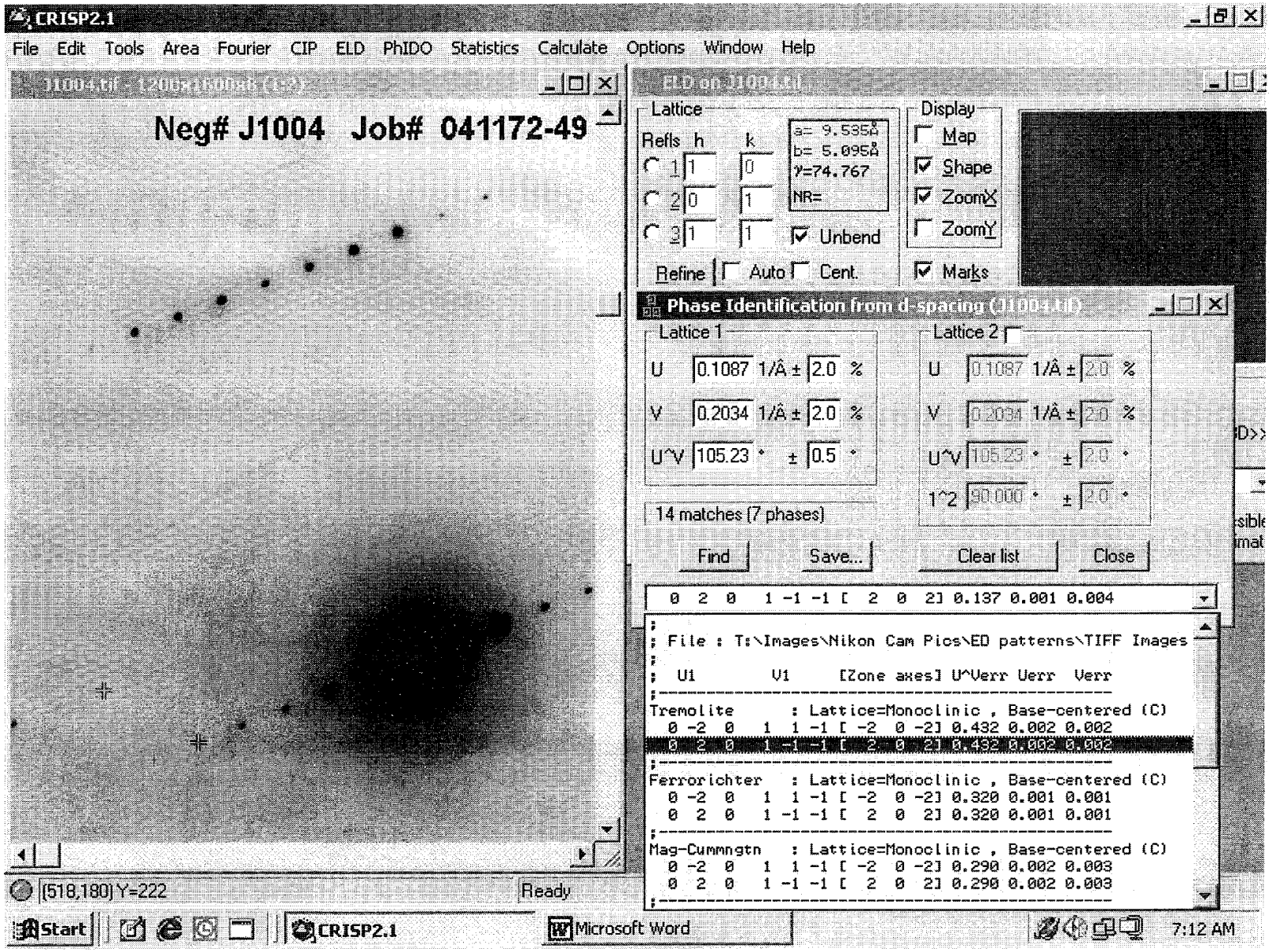
Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

Sample # **041172-48-738**

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)	0.97	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[1 0 1]

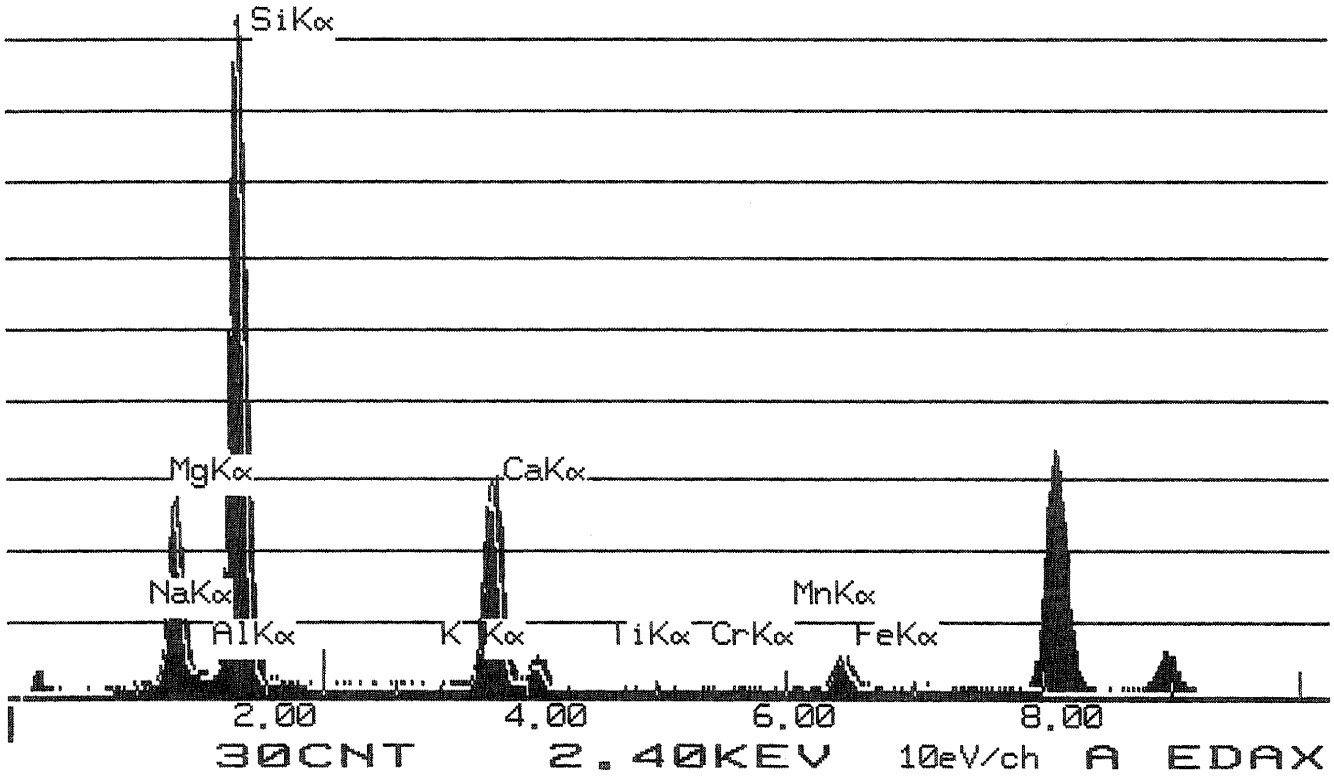


INTE-% :
LABEL = 041172-49 SP 15323
23-NOV-72 02:30:16
60.352 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	90.006	13.217	21.915
SIK	345.193	28.510	60.993
K K	0.978	0.134	0.162
CAK	123.311	9.710	13.586
TIK	1.259	0.140	0.233
MNK	0.580	0.066	0.085
FEK	20.231	2.116	3.026
TOTAL			100.000

USED PEIF: USER

22-NOV-04 02:30:39 SUPER QUANT
RATE= 13CPS TIME= 60LSEC
FS= 2259/ 2259 PRST= 200LSEC
A =041172-49 SP 15323



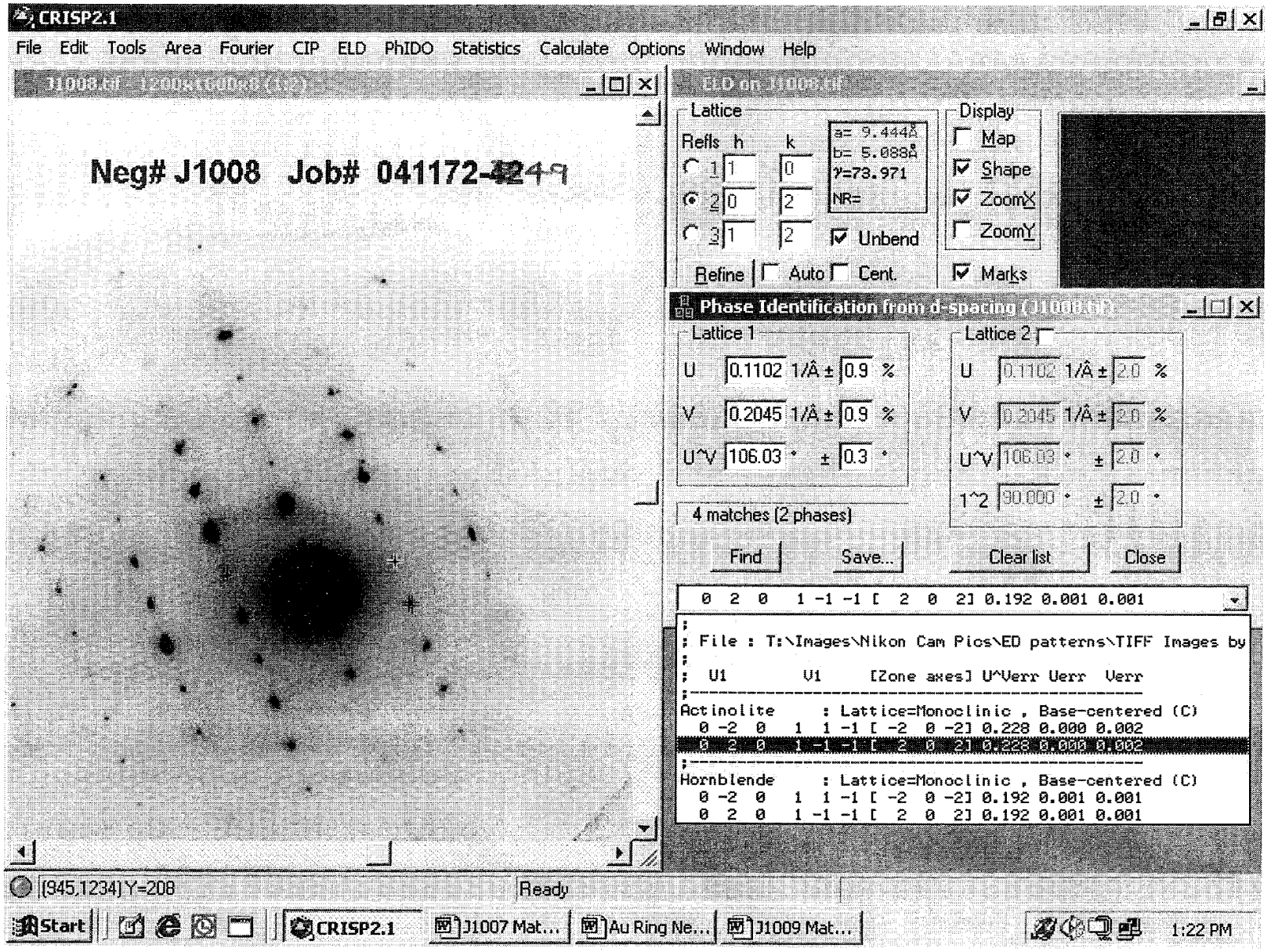
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.993	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0.233	Ti+4	0.0388	0.0000	**0.0388**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	3.026	Fe+3	0.0107			0.0107	0.0000				
MgO	21.915	Mg+2	4.3922			4.3922	**0.0000**				
MnO	0.085	Fe+2	0.3515			0.3515	**0.0000**				
CaO	13.586	Mn+2	0.0269			0.0269	**0.0000**				
Na2O	0	Ca+2	1.9651					1.9651	0.0000		
K2O	0.162	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0406							0.0406	0.0000
Total	100		Excess	T site	**0.0388**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	8		4.8201		1.9651		0.0406	0.0000
			%Fill	100		96.4024		98.2527			

Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-49-15323

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	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.93	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

ACTINOLITE
[1 0 1]

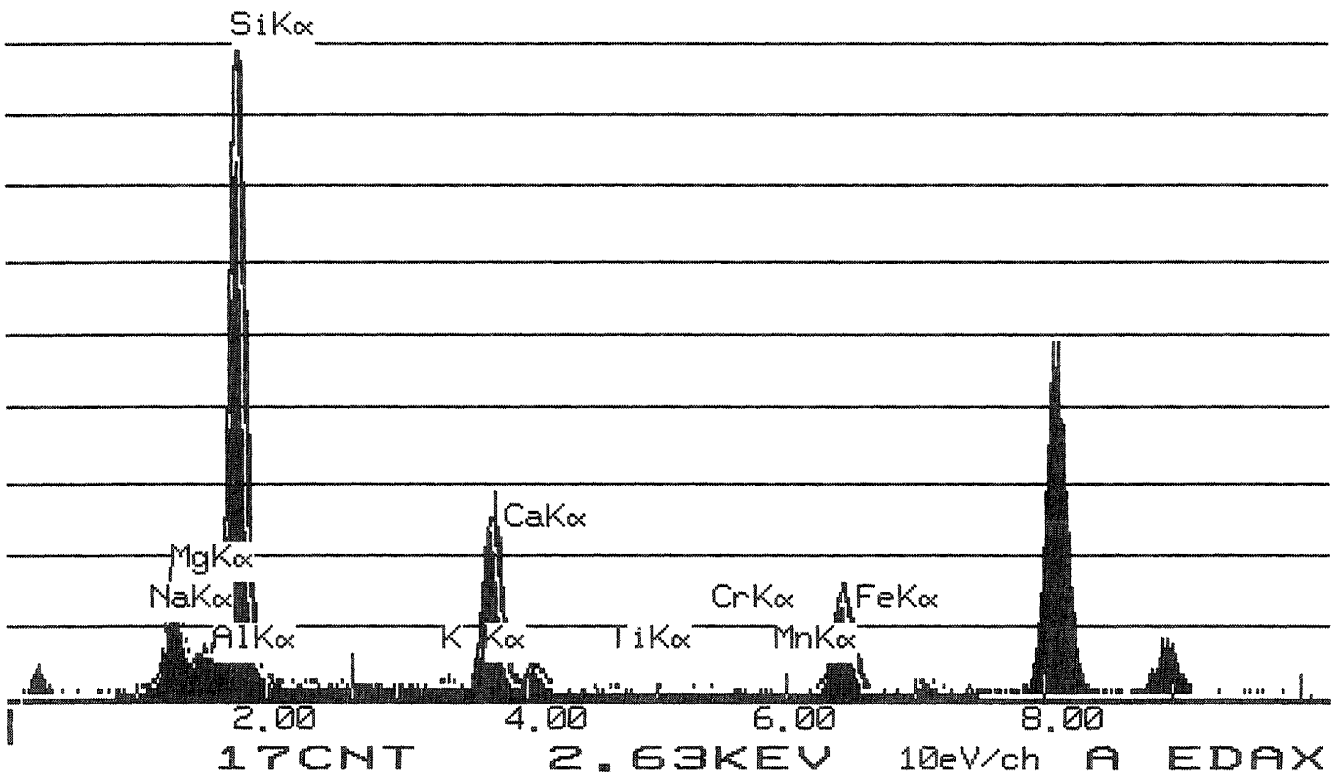


INTE-% :
LABEL = 041172-49 SP 15325
09-NOV-72 02:13:37
43.835 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	39.991	9.485	15.727
SIK	211.269	28.181	60.290
K K	0.411	0.091	0.110
CAK	69.237	8.805	12.320
MNK	0.388	0.071	0.092
FEK	47.451	8.017	11.462
TOTAL			100.000

USED PEIF: USER

08-NOV-04 02:13:59 SUPER QUANT
RATE= 90CPS TIME= 44LSEC
FS= 1087/ 1087 PRST= 200LSEC
A =041172-49 SP 15325



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.29	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	11.462	Fe+3	0.0309			0.0309	0.0000				
MgO	15.727	Mg+2	3.3048			3.3048	**0.0000**				
MnO	0.092	Fe+2	1.3492			1.3492	**0.0000**				
CaO	12.32	Mn+2	0.0536			0.0536	**0.0000**				
Na2O	0	Ca+2	1.8721					1.8721	0.0000		
K2O	0.11	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0516							0.0516	0.0000
Total	**100.001**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.7386**		**1.8721**		**0.0516**	**0.0000**
			%Fill	**100**		**94.7713**		**93.6074**			

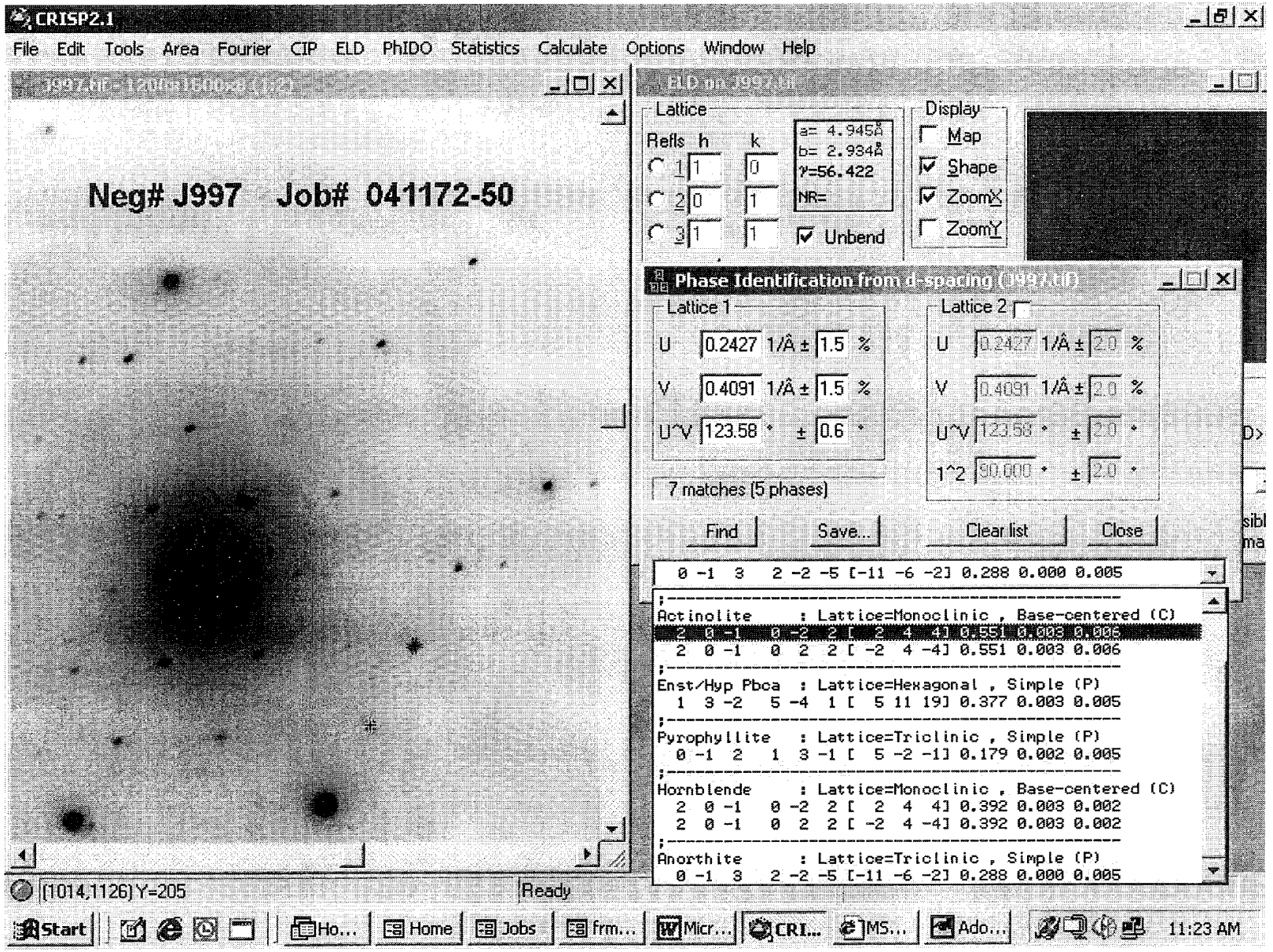
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-49-15325**

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	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.71	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 2 2]



Chi-sqd = 4.97

Element	Net Counts
Si-K	24031 +/- 294
Mg-K	7601 +/- 287
Al-K	1977 +/- 357
K -K	106 +/- 93
Ca-K	7505 +/- 179
Fe-K	6903 +/- 188
Na-K	501 +/- 142

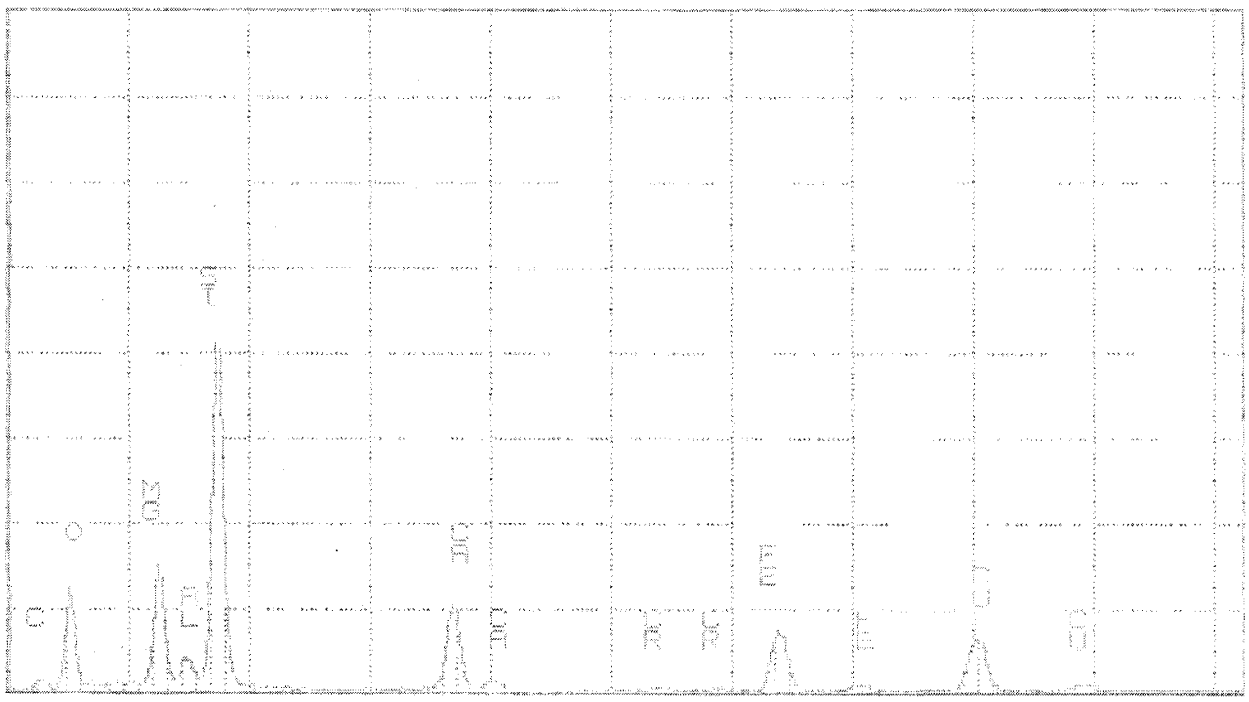
DEF.B EDS:SIK EDS:MGK EDS:ALK EDS:K. K EDS:CAK EDS:FEK
EDS:NAK

041172-50

EL-LINE	PEAK	K-FACTOR	DEL/UNDF	MOLE%	UL WT%	WT%	FORMULA
SI-K	24031	1.000	1.000	36.59	56.28	56.31	SIO2
MG-K	7601	1.000	0.316	7.60	8.31	10.35	MGO
AL-K	1977	0.750	0.062	1.32	1.62	3.06	AL2O3
K-K	106	1.000	0.005	0.07	0.11	0.15	K2O
CA-K	7505	0.949	0.297	4.28	7.60	10.92	CAO
FE-K	6903	1.399	0.402	4.14	10.57	15.10	FEOTOT
NA-K	501	0.549	0.011	0.29	0.40	0.62	NA2O
O			1.717	61.72	45.00		

1.30
*

TN-35MM University of Washington / JEOL MON 04-NOV-04 14:00
Cursor: 0.000keV = 0



0.000 VFS = 4096 10.240

0 041172-50 SPECP

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.31	Si+4	7.8819	7.8819							
Al2O3	3.06	Al+3	0.5048	0.1181	**0.3866**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.1	Fe+3	0.2227			0.2227	0.0000				
MgO	13.85	Mg+2	2.8901			2.8901	**0.0000**				
MnO	0	Fe+2	1.5199			1.5006	**0.0194**				
CaO	10.92	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.62	Ca+2	1.6375					1.6375	0.0000		
K2O	0.15	Na+	0.1682					0.1682	**0.0000**	0.0000	0.0000
		K+	0.0268							0.0268	0.0000
Total	100.01		Excess	T site	**0.3866**	C site	**0.0194**	B site	**0**	A site	**0**
			Total	8		5.0000		1.8058		0.0268	0.0000
			%Fill	100		100		90.2887			

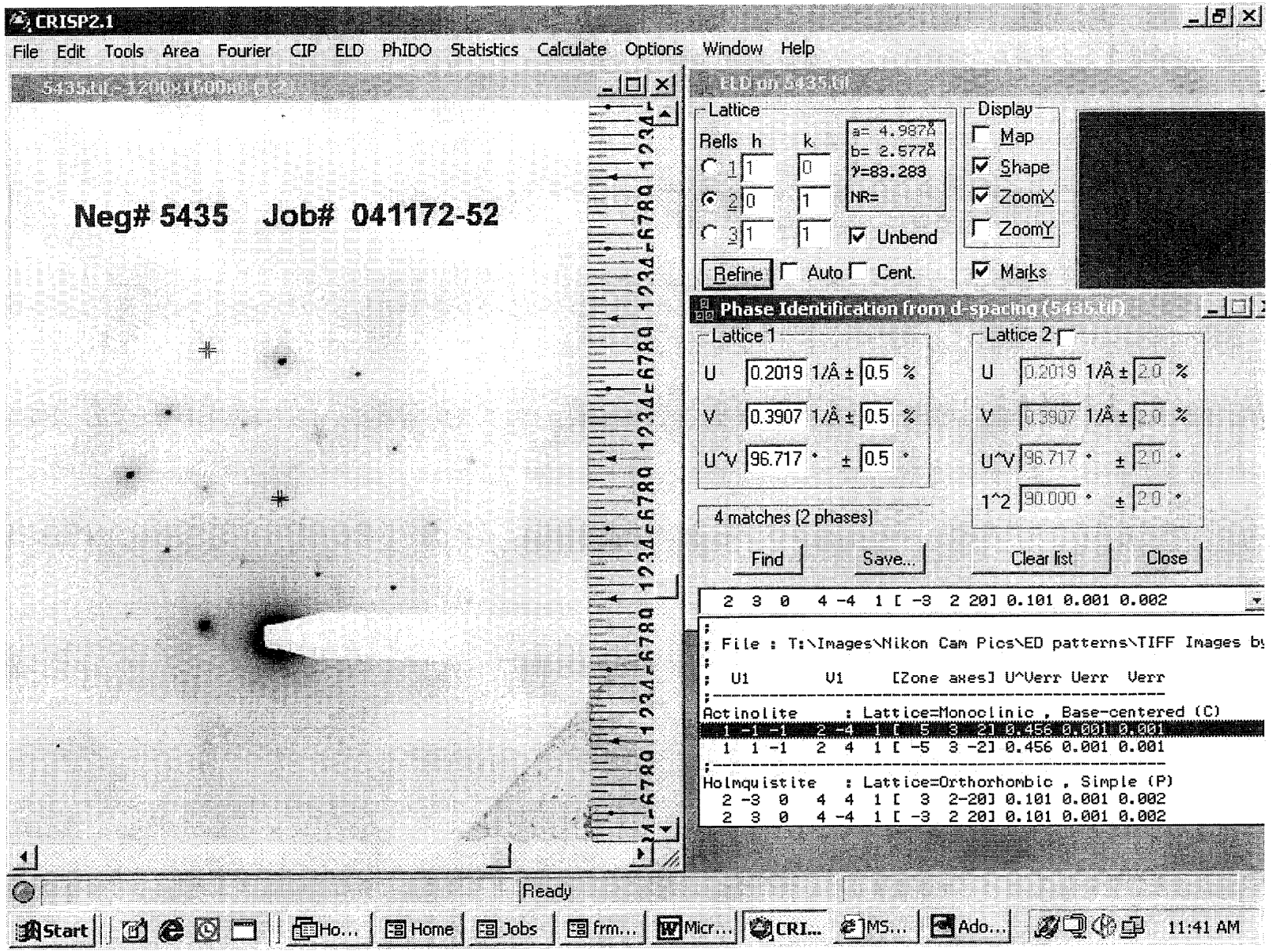
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041172-50-732

Values		Satisfied Conditions
(Ca,Na)@B	1.81	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.17	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.64	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.66	(Mg/(Mg+Fe2))< 0.9
Si	7.88	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 3 2]



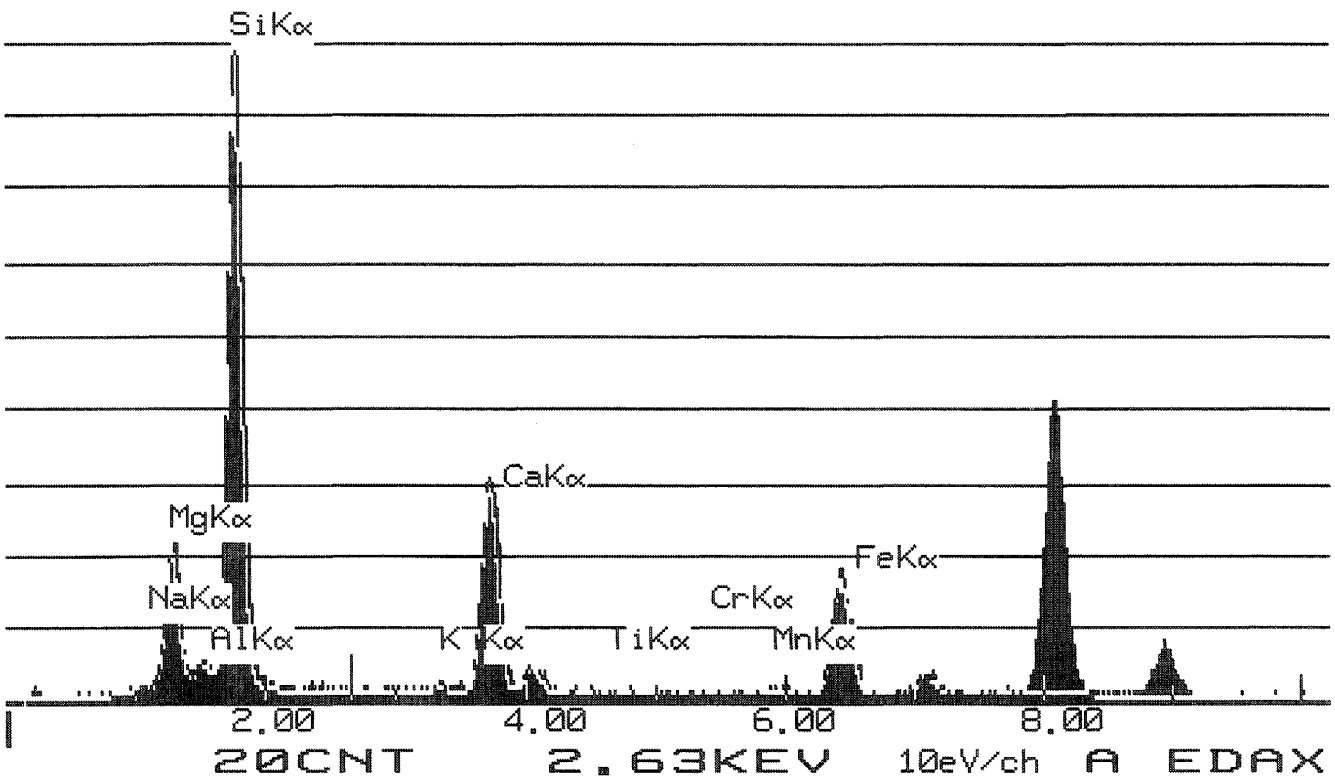
INTE-% :
LABEL = 041172-52 15330
09-NOV-72 10:05:58
37.254 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	66.355	9.818	16.280
ALK	5.852	0.520	0.983
SIK	317.738	26.442	56.569
K K	2.523	0.349	0.420
CAK	122.671	9.733	13.619
TIK	0.671	0.075	0.125
MNK	2.255	0.258	0.333
FEK	77.441	8.163	11.670
TOTAL			100.000

USED PEIF: USER

Sb Dist
Albite

08-NOV-04 10:06:35 SUPER QUANT
RATE= 162CPS TIME= 37LSEC
FS= 1320/ 1320 PRST= 200LSEC
A =041172-52 15330



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.569	Si+4	7.9206	7.9206							
Al2O3	0.983	Al+3	0.1622	0.0794	**0.0828**						
TiO2	0.125	Ti+4	0.0132	0.0000	**0.0132**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.67	Fe+3	0.0123			0.0123	0.0000				
MgO	16.28	Mg+2	3.3983			3.3983	**0.0000**				
MnO	0.333	Fe+2	1.3527			1.3527	**0.0000**				
CaO	13.619	Mn+2	0.0395			0.0395	**0.0000**				
Na2O	0	Ca+2	2.0429					2.0000	0.0429		
K2O	0.42	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0750							0.0750	0.0000
Total	**99.999**		**Excess**	T site	**0.0959**	C site	**0.0000**	B site	**0.0428886**	A site	**0**
			Total	**8**		**4.8986**		**2.0000**		**0.0750**	**0.0000**
			%Fill	**100**		**97.9726**		**100**			

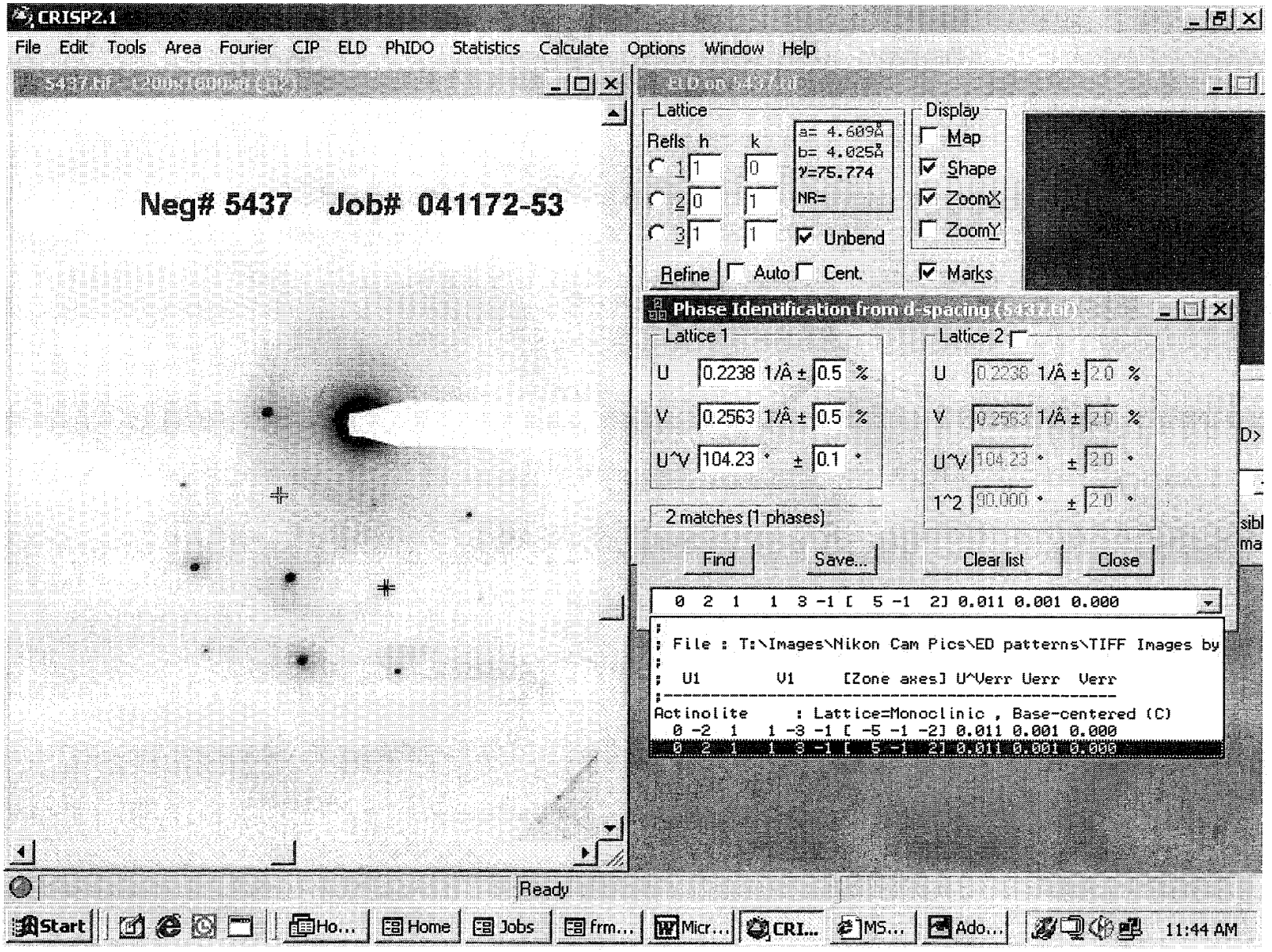
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041172-52-15330**

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)	0.72	(Mg/(Mg+Fe2))< 0.9
Si	7.92	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 -1 2]



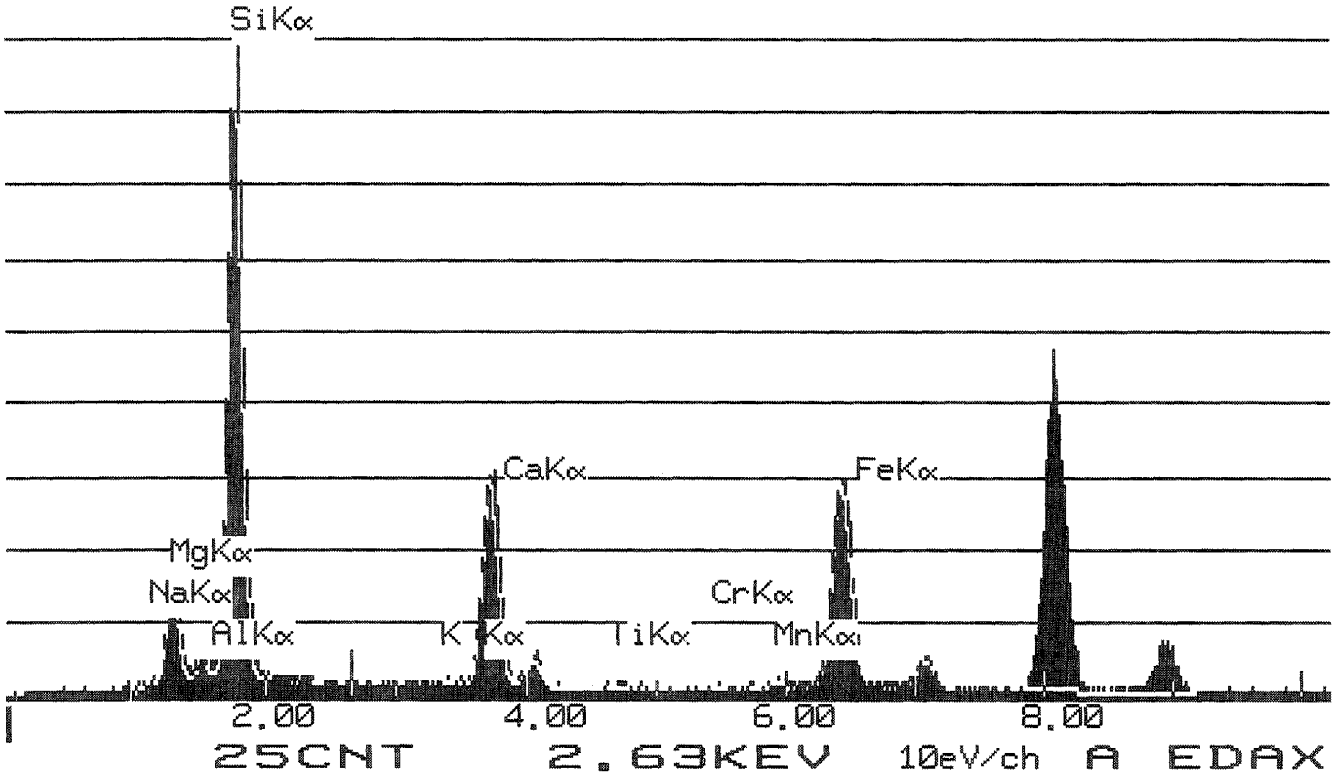
INTE-% :
LABEL = 041172-53 15333
09-NOV-72 11:22:13
35.040 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.656	0.180	0.243
MGK	54.909	7.125	11.814
ALK	9.504	0.741	1.400
SIK	349.432	25.501	54.555
CAK	126.571	8.806	12.322
MNK	0.599	0.060	0.078
FEK	148.232	13.701	19.589
TOTAL			100.000

USED PEIF: USER

BG Manual
Actinolite

08-NOV-04 11:22:38 SUPER QUANT
RATE= 43CPS TIME= 35LSEC
FS= 1312/ 1312 PRST= 200LSEC
A =041172-53 15333



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.555	Si+4	7.8735	7.8735							
Al2O3	1.4	Al+3	0.2381	0.1265	**0.1116**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	19.589	Fe+3	0.1064			0.1064	0.0000				
MgO	11.814	Mg+2	2.5419			2.5419	**0.0000**				
MnO	0.078	Fe+2	2.2458			2.2402	**0.0056**				
CaO	12.322	Mn+2	0.0095			0.0000	**0.0095**				
Na2O	0.243	Ca+2	1.9052					1.9052	0.0000		
K2O	0	Na+	0.0680					0.0680	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100.001**		**Excess**	T site	**0.1116**	C site	**0.0151**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.9732**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**98.6581**			

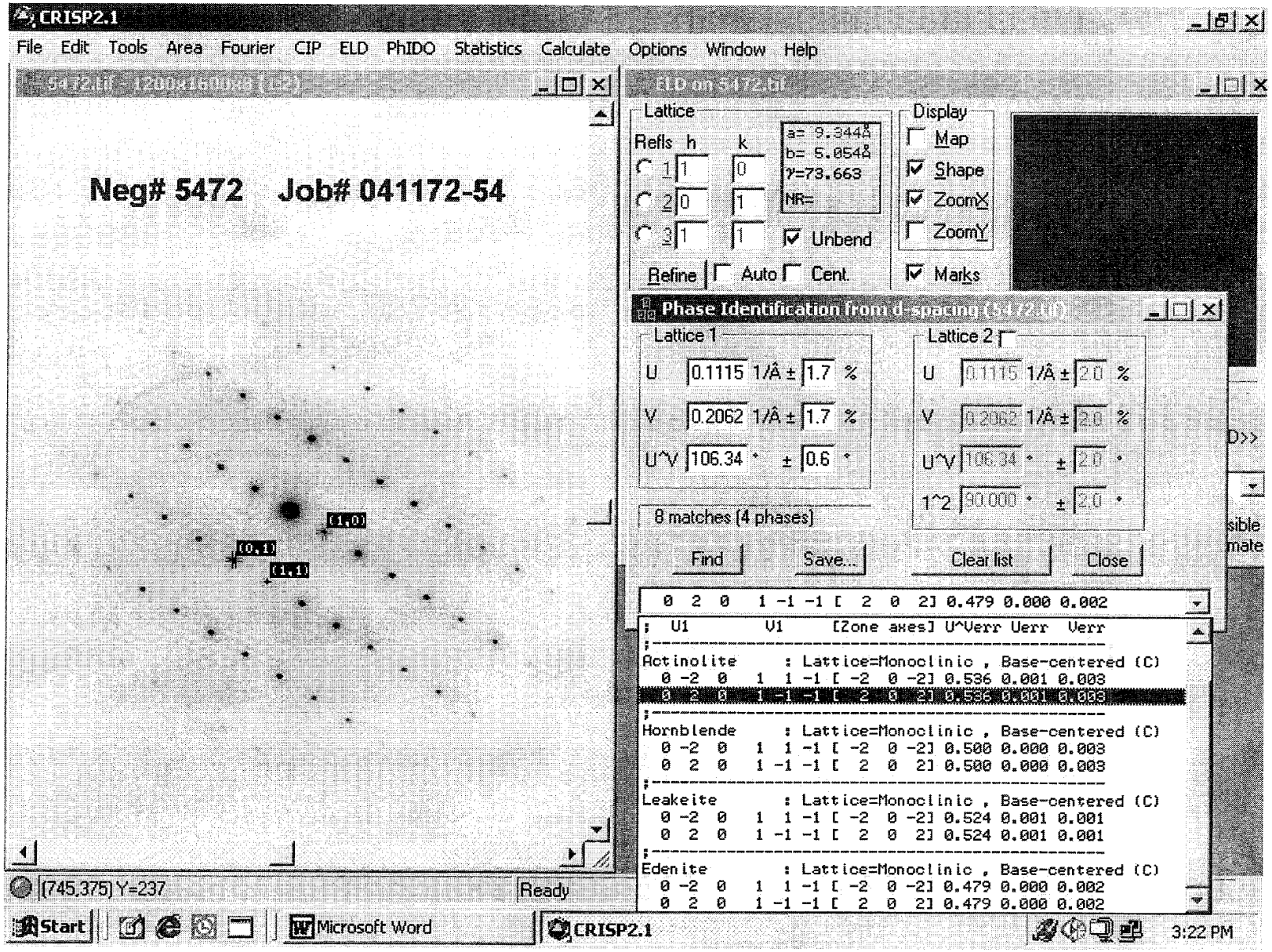
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041172-53-15333

Values		Satisfied Conditions
(Ca,Na)@B	1.97	(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	1.91	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.53	(Mg/(Mg+Fe2))< 0.9
Si	7.87	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 1]



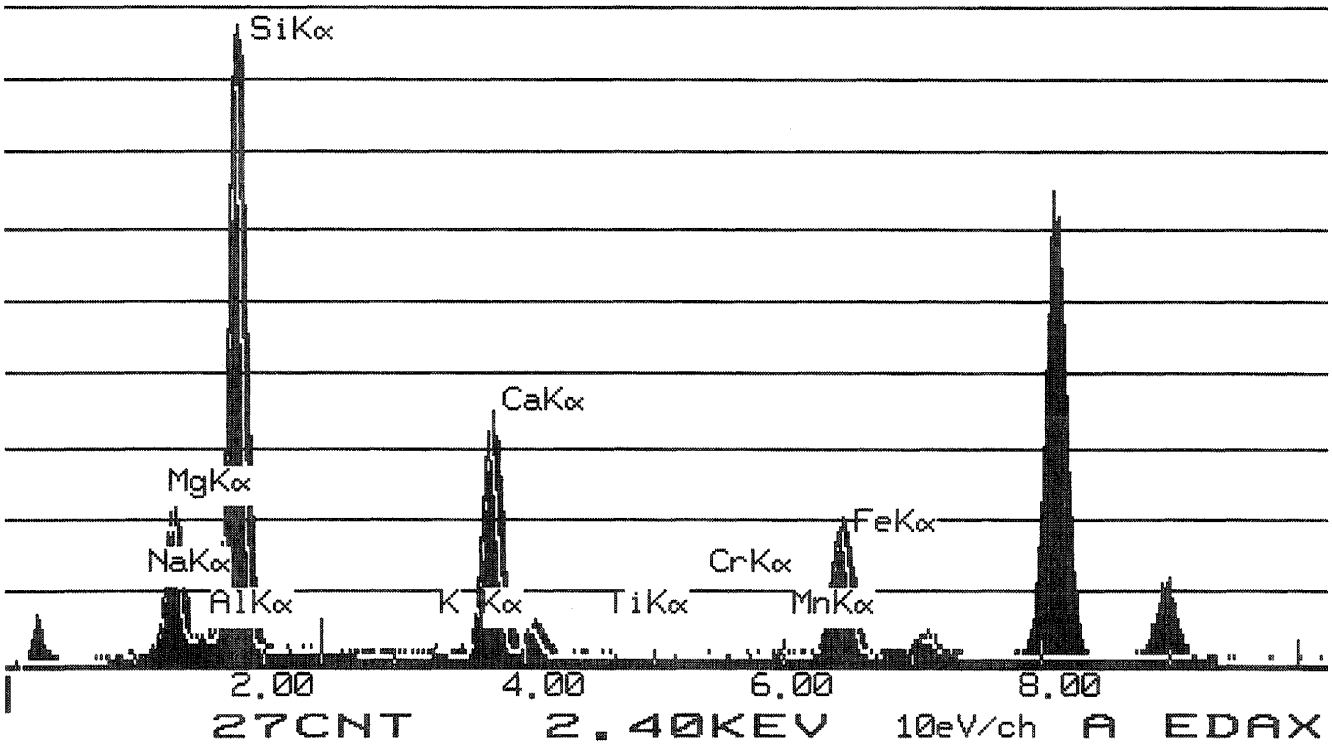
INTE-% :
LABEL = 041172-54 15350
23-NOV-72 02:47:56
36.174 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	91.557	10.166	16.856
ALK	2.847	0.190	0.359
SIK	409.768	25.588	54.742
K K	3.151	0.327	0.394
CAK	176.369	10.500	14.692
TIK	1.382	0.116	0.194
MNK	1.355	0.116	0.150
FEK	111.544	8.822	12.613

TOTAL			100.000

USED PEIF: USER

22-NOV-04 02:48:20 SUPER QUANT
RATE= 0CPS TIME= 36LSEC
FS= 1739/ 1739 PRST= 200LSEC
A =041172-54 15350



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.742	Si+4	7.7604	7.7604							
Al2O3	0.359	Al+3	0.0600	0.0600	**0.0000**						
TiO2	0.194	Ti+4	0.0207	0.0207	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.613	Fe+3	0.0135			0.0135	0.0000				
MgO	16.856	Mg+2	3.5624			3.5624	**0.0000**				
MnO	0.15	Fe+2	1.4802			1.4241	**0.0561**				
CaO	14.692	Mn+2	0.0180			0.0000	**0.0180**				
Na2O	0	Ca+2	2.2314					1.9259	0.3054		
K2O	0.394	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0712							0.0712	0.0000
Total	**100**		**Excess**	T site	**0.0000**	C site	**0.0741**	B site	**0.3054406**	A site	**0**
			Total	**7.8411**		**5.0000**		**1.9259**		**0.0712**	**0.0000**
			%Fill	**98.014**		**100**		**96.2956**			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # **041172-54-15350**

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	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.71	(Mg/(Mg+Fe2))< 0.9
Si	7.76	

Mineral Analysis Program (Version 5.0)