



July 9, 2010

Derrick Willis
Tronox LLC - Henderson
560 West Lake Mead
Henderson, NV 89015

SDG / EMSL: Order ID# 091003470
Project: 2027.01, Tronox LLC Henderson, 560 West Lake Mead Drive, Henderson, NV
Client COC ID: 2027.001.2113

Dear Derrick:

Attached please find the results of your soil samples from the above referenced order number. These samples were analyzed for asbestos via the Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material adopted from EPA-540-R97-028 EPA Superfund. In addition the samples were also analyzed for percent moisture.

Included in the individual concentrations are the six regulated asbestos types. These are Chrysotile and Amphibole Asbestos (Amosite, Actinolite, Tremolite, Crocidolite, and Anthophyllite). Countable asbestos structures are those that meet the reporting requirements based on size as stated in the EPA Superfund Method, with modifications per the State of Nevada Dept of Environmental Protection. These (protocol) structures must be $<0.4\mu\text{m}$ in diameter and $>5\mu\text{m}$ in length. Long asbestos structures are protocol structures $>10\mu\text{m}$ in length.

Non regulated Amphiboles if present will be noted but not included in the concentration.

If you have any questions or need further information please do not hesitate to contact me.

Sincerely,

Daniel B. Kocher

Asbestos Project Manager
EMSL Analytical, Inc.
510-895-3675

EMSL Analytical Lab Qualifiers:

J/Estimated Qualifier denoting a sample has asbestos detected but at a level lower than the detection limit



EMSL Analytical, Inc.

107 Haddon Avenue, Westmont, NJ 08108
 Phone: (800) 220-3675 Fax: (856) 858-1292
 Email: WestmontAsbLab@emsl.com

Attn: Derrick Willis
 Tronox LLC - Henderson
 PO Box 55
 Henderson, NV 89009
Phone: (947) 375-7004

Customer ID: TRNX26
Customer PO: 2027.001.2118
Received: 4/15 10:00am
EMSL Order: 091003470
Date Prepared: 4/29/2010
Analysis Date(s): 5/6/2010

Project: 2027.001.2118 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV / 2027.01
Date Sampled: 04/14/2010

Report Date: 6/10/2010

EPA 540-R-97-028 -Superfund Method

*Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
 (Revision 1)*

EMSL Sample Number	091003470-0001	Mass of Respirable Dust on Filter:	0.000149	g
Customer Sample Number:	SSAO6-01-0.00BPC	Area of collection filter:	385	mm ²
Minimum Level of analysis (chrysotile):	CD	Grid openings Area:	0.013	mm ²
Minimum Level of analysis (amphibole):	ADX	Grid Openings Analyzed:	67	
Magnification used for fiber counting:	19,000 x	Min Str. Length/ Max Str. Diameter:	>5 / <0.4	microns
Aspect ratio for fiber definition:	3:1	Analyst(s):	F Craig	
Dust Generator-Total Dried Sample Weights		Soil % Moisture	1.8	%
>3/8"	35.410 g	Air Flow Rate Through ME opening of Dust Generator	1455.00	ml/min
Not Used <3/8"	329.810 g	Air Flow Rate Through IST opening of Dust Generator	82.00	ml/min
Used in Tumbler <3/8"	50.960 g	Estimated Total Air Flow Through Elutriator	1537.00	ml/min
Analytical Sensitivity: 2.97E+06 Structure/g PM10		Limit of Detection:	8.87E+06	Structure/g PM10
Test for Uniformity (Chi-Square result)	Random	(63)		

Structure Class	Min ID Level Required	Counts		Density Str/mm ²	Conc. Str/g PM10	Poisson 95 % Confidence Interval	
		Primary Str.	Total Str.			Lower Limit Str/g PM10	Upper Limit Str/g PM10
Asbestos Structures > 5um, ≤ 10um	CD/ADX	0	1	< 3.44	< 8.87E+06	NA	1.41E+07
Asbestos Structures > 5um, ≤ 10um (Chrys)	CD	0	0	< 3.44	< 8.87E+06	NA	8.87E+06
Asbestos Structures > 5um, ≤ 10um (Amph)	ADX	0	1	< 3.44	< 8.87E+06	NA	1.41E+07
Asbestos Structures >10 um (Long)	CD/ADX	0	1	< 3.44	< 8.87E+06	NA	1.41E+07
Asbestos Structures >10 um (Chrys)	CD	0	0	< 3.44	< 8.87E+06	NA	8.87E+06
Asbestos Structures >10 um (Amph)	ADX	0	1	< 3.44	< 8.87E+06	NA	1.41E+07
Total Protocol Asbestos Structures	CD/ADX	0	2	< 3.44	< 8.87E+06	NA	1.87E+07
Protocol Asbestos Structures(Chrys)	CD	0	0	< 3.44	< 8.87E+06	NA	8.87E+06
Protocol Asbestos Structures (Amph)	ADX	0	2	< 3.44	< 8.87E+06	NA	1.87E+07

Total Protocol Non Asbestos Structures **NAM** **0** **0**

Asbestiform Amphibole Present: Crocidolite

Note: The concentration of asbestos and the 95% Confidence Intervals are reported on the basis of the Poissonian distribution and the Total Structure count. Structure counts above 31 may be better expressed with a Gaussian distribution. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL is not responsible for sample collection activities or analytical method limitations. Interpretation and use of results are the responsibility of the client.

Robyn Denton

Approved Signatory



EMSL Analytical, Inc.

107 Haddon Avenue, Westmont, NJ 08108
 Phone: (800) 220-3675 Fax: (856) 858-1292
 Email: WestmontAsbLab@emsl.com

Attn: Derrick Willis
 Tronox LLC - Henderson
 PO Box 55
 Henderson, NV 89009
Phone: (947) 375-7004

Customer ID: TRNX26
Customer PO: 2027.001.2113
Received: 4/15/10 10:00 AM
EMSL Order: 091003470
Date Prepared: 5/16/2010
Analysis Date(s): 5/18/2010

Project: 2027.001.2113 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV / 2027.01
Date Sampled: 04/14/2010

Report Date: 6/10/2010

EPA 540-R-97-028 -Superfund Method

*Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
 (Revision 1)*

EMSL Sample Number	091003470-0002	Mass of Respirable Dust on Filter:	0.00011	g
Customer Sample Number:	SSAO6-01-0.33BPC	Area of collection filter:	385	mm ²
Minimum Level of analysis (chrysotile):	CD	Grid openings Area:	0.013	mm ²
Minimum Level of analysis (amphibole):	ADX	Grid Openings Analyzed:	90	
Magnification used for fiber counting:	19,000 x	Min Str. Length/ Max Str. Diameter:	>5 / <0.4	microns
Aspect ratio for fiber definition:	3:1	Analyst(s):	F Craig	

Dust Generator-Total Dried Sample Weights	Soil % Moisture	5.6	%
>3/8" 12.180 g	Air Flow Rate Through ME opening of Dust Generator	1431.00	ml/min
Not Used <3/8" 312.100 g	Air Flow Rate Through IST opening of Dust Generator	89.00	ml/min
Used in Tumbler <3/8" 54.890 g	Estimated Total Air Flow Through Elutriator	1520.00	ml/min

Analytical Sensitivity:	2.99E+06 Structure/g PM10	Limit of Detection:	8.94E+06 Structure/g PM10
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Test for Uniformity (Chi-Square result) N/A

Structure Class	Min ID Level Required	Counts		Density Str/mm ²	Conc. Str/g PM10	Poisson 95 % Confidence Interval	
		Primary Str.	Total Str.			Lower Limit Str/g PM10	Upper Limit Str/g PM10
Asbestos Structures > 5um, ≤ 10um	CD/ADX	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Asbestos Structures > 5um, ≤ 10um (Chrys)	CD	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Asbestos Structures > 5um, ≤ 10um (Amph)	ADX	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Asbestos Structures >10 um (Long)	CD/ADX	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Asbestos Structures >10 um (Chrys)	CD	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Asbestos Structures >10 um (Amph)	ADX	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Total Protocol Asbestos Structures	CD/ADX	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Protocol Asbestos Structures(Chrys)	CD	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Protocol Asbestos Structures (Amph)	ADX	0	0	< 2.56	< 8.94E+06	NA	8.94E+06
Total Protocol Non Asbestos Structures	NAM	0	0				

Note: The concentration of asbestos and the 95% Confidence Intervals are reported on the basis of the Poissonian distribution and the Total Structure count. Structure counts above 31 may be better expressed with a Gaussian distribution. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL is not responsible for sample collection activities or analytical method limitations. Interpretation and use of results are the responsibility of the client.

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 Email: WestmontAsbLab@emsl.com

Attn: *Derrick Willis*
 Tronox LLC - Henderson
 PO Box 55
 Henderson, NV 89009
 Phone: (947) 375-7004

Customer ID: TRNX26
 Customer PO: 2027.001.2113
 Received: 4/15/10 10:00 AM
 EMSL Order: 091003470
 Date Prepared: 4/30/2010
 Analysis Date(s): 6/12/2010
 6/13/2010
 Report Date: 6/14/2010

Project: 2027.001.2113 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV / 2027.01
 Date Sampled: 04/14/2010

EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (Revision 1)

EMSL Sample Number	091003470-0003	Mass of Respirable Dust on Filter:	0.000131	g
Customer Sample Number:	SSAO6-03-0.00BPC	Area of collection filter:	385	mm ²
Minimum Level of analysis (chrysotile):	CD	Grid openings Area:	0.013	mm ²
Minimum Level of analysis (amphibole):	ADX	Grid Openings Analyzed:	76	
Magnification used for fiber counting:	19,000 x	Min Str. Length/ Max Str. Diameter:	>5 / <0.4	microns
Aspect ratio for fiber definition:	3:1	Analyst(s):	F Craig	
Dust Generator-Total Dried Sample Weights		Soil % Moisture	2.7	%
>3/8"	60.590 g	Air Flow Rate Through ME opening of Dust Generator	1410.00	ml/min
Not Used <3/8"	333.870 g	Air Flow Rate Through IST opening of Dust Generator	97.00	ml/min
Used in Tumbler <3/8"	49.340 g	Estimated Total Air Flow Through Elutriator	1507.00	ml/min

Analytical Sensitivity: 2.97E+06 Structure/g PM10 Limit of Detection: 8.89E+06 Structure/g PM10

Test for Uniformity (Chi-Square result) Random (64.61)

Structure Class	Min ID Level Required	Counts		Density Str/mm ²	Conc. Str/g PM10	Poisson 95 % Confidence Interval	
		Primary Str.	Total Str.			Lower Limit Str/g PM10	Upper Limit Str/g PM10
Asbestos Structures > 5um, ≤ 10um	CD/ADX	3	8	8.10	2.38E+07	1.027E+07	4.69E+07
Asbestos Structures > 5um, ≤ 10um (Chrys)	CD	0	0	< 3.04	< 8.89E+06	NA	< 8.89E+06
Asbestos Structures > 5um, ≤ 10um (Amph)	ADX	3	8	8.10	2.38E+07	1.027E+07	4.69E+07
Asbestos Structures >10 um (Long)	CD/ADX	2	3	3.04	8.92E+06	1.841E+06	2.31E+07
Asbestos Structures >10 um (Chrys)	CD	0	0	< 3.04	< 8.89E+06	NA	< 8.89E+06
Asbestos Structures >10 um (Amph)	ADX	2	3	3.04	8.92E+06	1.841E+06	2.31E+07
Total Protocol Asbestos Structures	CD/ADX	5	11	11.13	3.27E+07	1.633E+07	5.85E+07
Protocol Asbestos Structures(Chrys)	CD	0	0	< 3.04	< 8.89E+06	NA	< 8.89E+06
Protocol Asbestos Structures (Amph)	ADX	5	11	11.13	3.27E+07	1.633E+07	5.85E+07
Total Protocol Non Asbestos Structures	NAM	0	0				

Asbestiform Amphibole Present: Actinolite

Note: The concentration of asbestos and the 95% Confidence Intervals are reported on the basis of the Poissonian distribution and the Total Structure count. Structure counts above 31 may be better expressed with a Gaussian distribution. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL is not responsible for sample collection activities or analytical method limitations. Interpretation and use of results are the responsibility of the client.

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EMSL Analytical, Inc.

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Attn: Derrick Willis
 Tronox LLC - Henderson
 PO Box 55
 Henderson, NV 89009
Phone: (947) 375-7004

Customer ID: TRNX26
Customer PO: 2027.001.2118
Received: 4/15/10 10:00 AM
EMSL Order: 091003470
Date Prepared: 5/3/2010
Analysis Date(s): 6/14/2010

Project: 2027.001.2118, Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV / 2027.01
Date Sampled: 04/14/2010

Report Date: 6/23/2010

EPA 540-R-97-028 -Superfund Method

*Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
 (Revision 1)*

EMSL Sample Number	091003470-0009	Mass of Respirable Dust on Filter:	0.000149	g
Customer Sample Number:	SSAP7-01-0.00BPC	Area of collection filter:	385	mm ²
Minimum Level of analysis (chrysotile):	CD	Grid openings Area:	0.013	mm ²
Minimum Level of analysis (amphibole):	ADX	Grid Openings Analyzed:	67	
Magnification used for fiber counting:	19,000 x	Min Str. Length/ Max Str. Diameter:	>5 / <0.4	microns
Aspect ratio for fiber definition:	3:1	Analyst(s):	F Craig	

Dust Generator-Total Dried Sample Weights	Soil % Moisture	1.5	%
>3/8" 40.140 g	Air Flow Rate Through ME opening of Dust Generator	1456.00	ml/min
Not Used <3/8" 277.630 g	Air Flow Rate Through IST opening of Dust Generator	101.00	ml/min
Used in Tumbler <3/8" 50.690 g	Estimated Total Air Flow Through Elutriator	1557.00	ml/min

Analytical Sensitivity:	2.97E+06 Structure/g PM10	Limit of Detection:	8.87E+06 Structure/g PM10
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Test for Uniformity (Chi-Square result) N/A

Structure Class	Min ID Level Required	Counts		Density Str/mm ²	Conc. Str/g PM10	Poisson 95 % Confidence Interval	
		Primary Str.	Total Str.			Lower Limit Str/g PM10	Upper Limit Str/g PM10
Asbestos Structures > 5um, ≤ 10um	CD/ADX	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Asbestos Structures > 5um, ≤ 10um (Chrys)	CD	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Asbestos Structures > 5um, ≤ 10um (Amph)	ADX	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Asbestos Structures >10 um (Long)	CD/ADX	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Asbestos Structures >10 um (Chrys)	CD	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Asbestos Structures >10 um (Amph)	ADX	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Total Protocol Asbestos Structures	CD/ADX	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Protocol Asbestos Structures(Chrys)	CD	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Protocol Asbestos Structures (Amph)	ADX	0	0	< 3.44	< 8.87E+06	NA	< 8.87E+06
Total Protocol Non Asbestos Structures	NAM	0	0				

Note: The concentration of asbestos and the 95% Confidence Intervals are reported on the basis of the Poissonian distribution and the Total Structure count. Structure counts above 31 may be better expressed with a Gaussian distribution. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL is not responsible for sample collection activities or analytical method limitations. Interpretation and use of results are the responsibility of the client.

Robyn Denton

Approved Signatory



EMSL Analytical, Inc.

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Email: DenverLab@emsl.com

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 Henderson, NV 89009
Phone: (947) 375-7004

Customer ID: TRNX26
Customer PO: 2027.001.2118
Received: 4/15/10 10:00 AM
EMSL Order: 091003470
Date Prepared: 5/4/2010
Analysis Date(s): 5/6/10-5/10/10

Project: 2027.001.2118 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV / 2027.01
Date Sampled: 04/14/2010

Report Date: 6/10/2010

EPA 540-R-97-028 -Superfund Method

*Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
 (Revision 1)*

EMSL Sample Number	091003470-0011	Mass of Respirable Dust on Filter:	0.000127	g
Customer Sample Number:	SA58-0.33BPC	Area of collection filter:	385	mm ²
Minimum Level of analysis (chrysotile):	CD	Grid openings Area:	0.0131	mm ²
Minimum Level of analysis (amphibole):	ADX	Grid Openings Analyzed:	78	
Magnification used for fiber counting:	10-20k x	Min Str. Length/ Max Str. Diameter:	>5 / <0.4	microns
Aspect ratio for fiber definition:	3:1	Analyst(s):	E. Orthun	

Dust Generator-Total Dried Sample Weights		Soil % Moisture	2.7	%
>3/8"	4.080 g	Air Flow Rate Through ME opening of Dust Generator	1446.00	ml/min
Not Used <3/8"	313.180 g	Air Flow Rate Through IST opening of Dust Generator	87.00	ml/min
Used in Tumbler <3/8"	57.760 g	Estimated Total Air Flow Through Elutriator	1533.00	ml/min

Analytical Sensitivity:	2.97E+06 Structure/g PM10	Limit of Detection:	8.87E+06 Structure/g PM10
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Test for Uniformity (Chi-Square result)	Random	(76.99)
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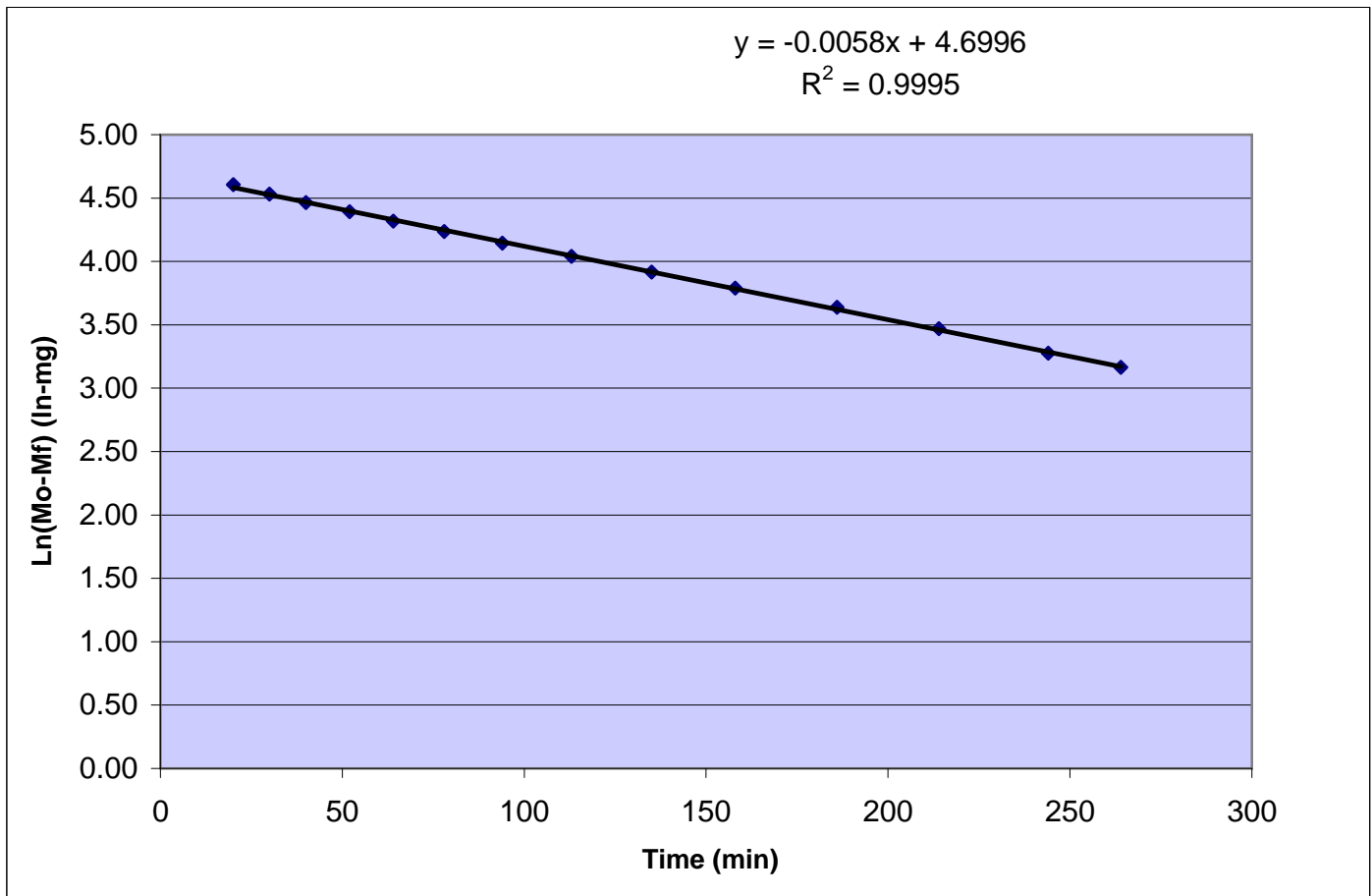
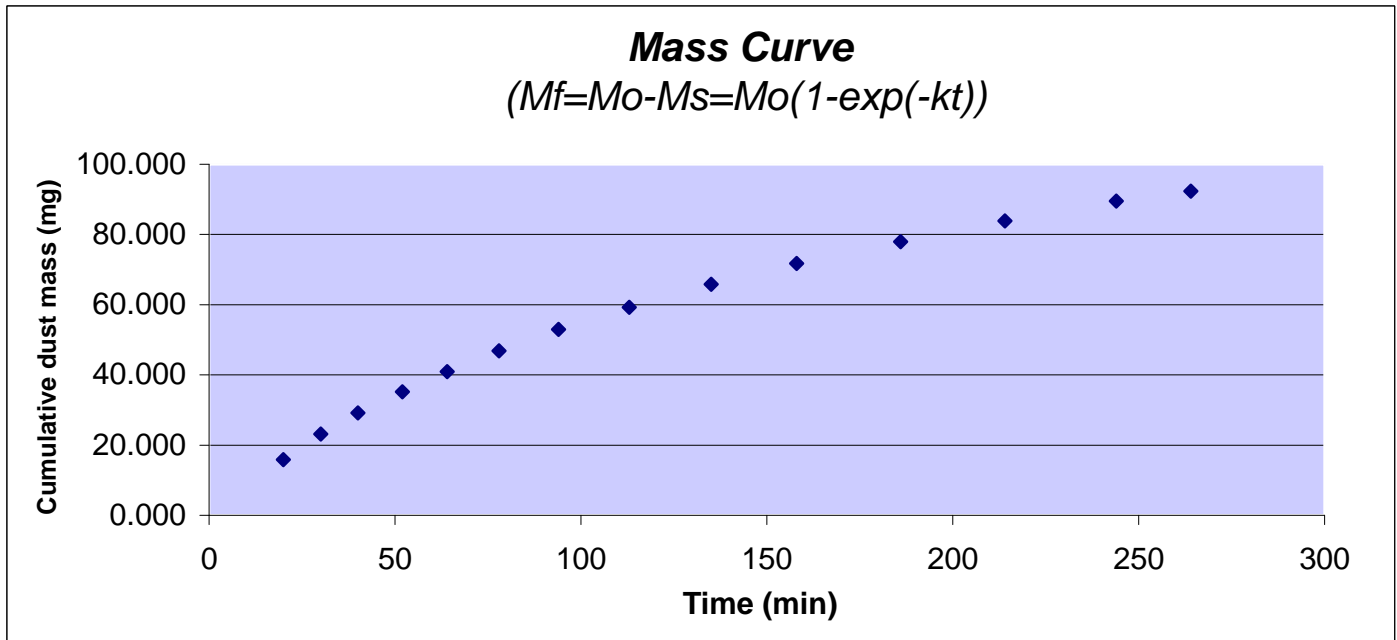
Structure Class	Min ID Level Required	Counts		Density Str/mm ²	Conc. Str/g PM10	Poisson 95 % Confidence Interval	
		Primary Str.	Total Str.			Lower Limit Str/g PM10	Upper Limit Str/g PM10
Asbestos Structures > 5um, ≤ 10um	CD/ADX	1	1	< 2.94	< 8.87E+06	NA	1.41E+07
Asbestos Structures > 5um, ≤ 10um (Chrys)	CD	1	1	< 2.94	< 8.87E+06	NA	1.41E+07
Asbestos Structures > 5um, ≤ 10um (Amph)	ADX	0	0	< 2.94	< 8.87E+06	NA	8.87E+06
Asbestos Structures >10 um (Long)	CD/ADX	0	0	< 2.94	< 8.87E+06	NA	8.87E+06
Asbestos Structures >10 um (Chrys)	CD	0	0	< 2.94	< 8.87E+06	NA	8.87E+06
Asbestos Structures >10 um (Amph)	ADX	0	0	< 2.94	< 8.87E+06	NA	8.87E+06
Total Protocol Asbestos Structures	CD/ADX	1	1	< 2.94	< 8.87E+06	NA	1.41E+07
Protocol Asbestos Structures(Chrys)	CD	1	1	< 2.94	< 8.87E+06	NA	1.41E+07
Protocol Asbestos Structures (Amph)	ADX	0	0	< 2.94	< 8.87E+06	NA	8.87E+06
Total Protocol Non Asbestos Structures	NAM	0	0				

Note: The concentration of asbestos and the 95% Confidence Intervals are reported on the basis of the Poissonian distribution and the Total Structure count. Structure counts above 31 may be better expressed with a Gaussian distribution. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL is not responsible for sample collection activities or analytical method limitations. Interpretation and use of results are the responsibility of the client.

Robyn Denton

Approved Signatory

EMSL Ord./sample:	091003470-0001
Client Sample ID:	SSAO6-01-0.00BPC



EMSL Analytical, Inc
Elutriator Prep Worksheet



EMSL Ord./sample: 091003470 -0002
Client Sample ID: SSA06-01-0.33BPC

Date: 5/16/2010
System: 3
Operator: JS

Sample Drying:
Temperature (C): 55
Start Date: 5/14/2010
End Date: 5/15/2010

Sample Weight (g)		Total Dried Sample Weight (g)	
Pre Drying	401.64 g	>3/8"	12.18 g
Post Drying	379.17 g	<3/8"	54.89 g (In Tumbler)
% moisture	5.6	<3/8"	312.1 g (Not Used)

	Start Date	Start Time	Stop Date	Stop Time
Conditioning	15-May-10	13:50	16-May-10	10:00
Tumbling	16-May-10	10:00	16-May-10	15:00

Tumbling Speed

30	rpm
----	-----

% Moisture from surrogate sample

Pre Dry _____ g % Moisture _____
Post Dry _____ g _____

Reviewed: _____
Date: _____

1431	89	mL/min
ME	IST	



Following results are needed for calculation of asbestos concentration in the total sample mass

Resp. Mass	mo (mg)=		k=		Resp.%=		ME Filter Information			
Emission rate		159		0.0033		0.28967				
Filter ID #	Filter ME	Prewrite (mg)	Post-Weight (mg)	Col. Time (minutes)	mf (mg)	Total Time (min)	In(mo-mf)	t(min)	In(mo-mf)	In(mo)
1	ME	22.964	37.198	20	14.234	20	4.975	20	4.9751	5.0689
2	ME	22.495	34.933	20	26.672	40	4.885	40	4.8853	5.0689
3	ME	22.754	31.913	16	35.831	56	4.814	56	4.8136	5.0689
4	ME	22.362	28.679	16	42.148	72	4.761	72	4.7609	5.0689
5	ME	23.834	30.852	19	49.166	91	4.699	91	4.6990	5.0689
6	ME	23.006	28.908	19	55.068	110	4.644	110	4.6437	5.0689
7	ME	27.514	34.001	23	61.555	133	4.579	133	4.5793	5.0689
8	ME	23.867	31.243	26	68.931	159	4.501	159	4.5006	5.0689
9	ME	22.464	30.343	27	76.810	186	4.409	186	4.4090	5.0689
10	ME	23.864	32.324	30	85.270	216	4.300	216	4.3004	5.0689
11	ME	22.378	29.459	30	92.351	246	4.199	246	4.1994	5.0689
12	ME	22.456	29.426	33	99.321	279	4.089	279	4.0890	5.0689
	ME									
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Remove Contents of cells that have no data

EMSL Analytical, Inc
Elutriator Prep Worksheet

EMSL Ord./sample:	091003470-0002
Client Sample ID:	SSAO6-01-0.33BPC

IST Filter Information

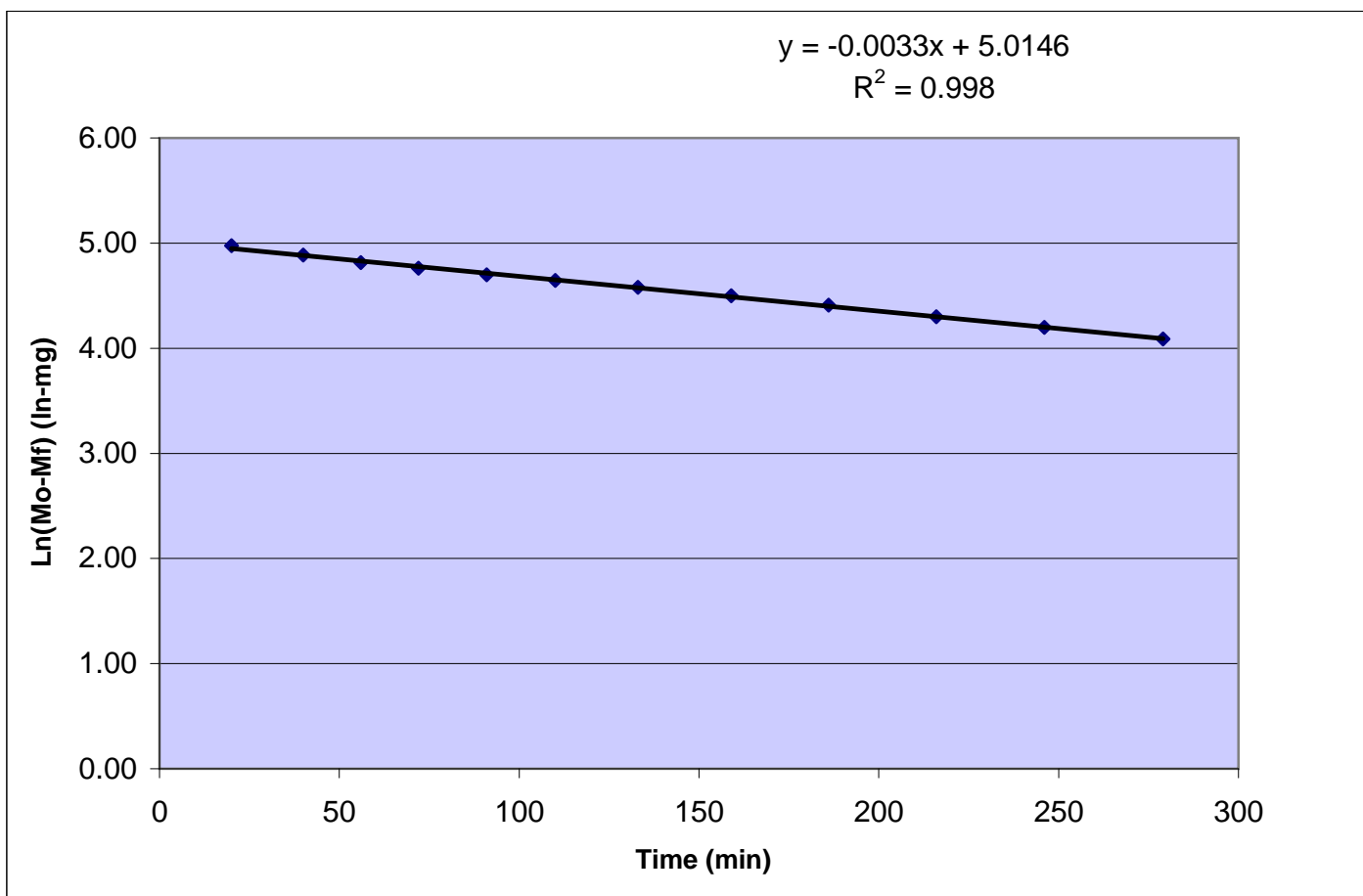
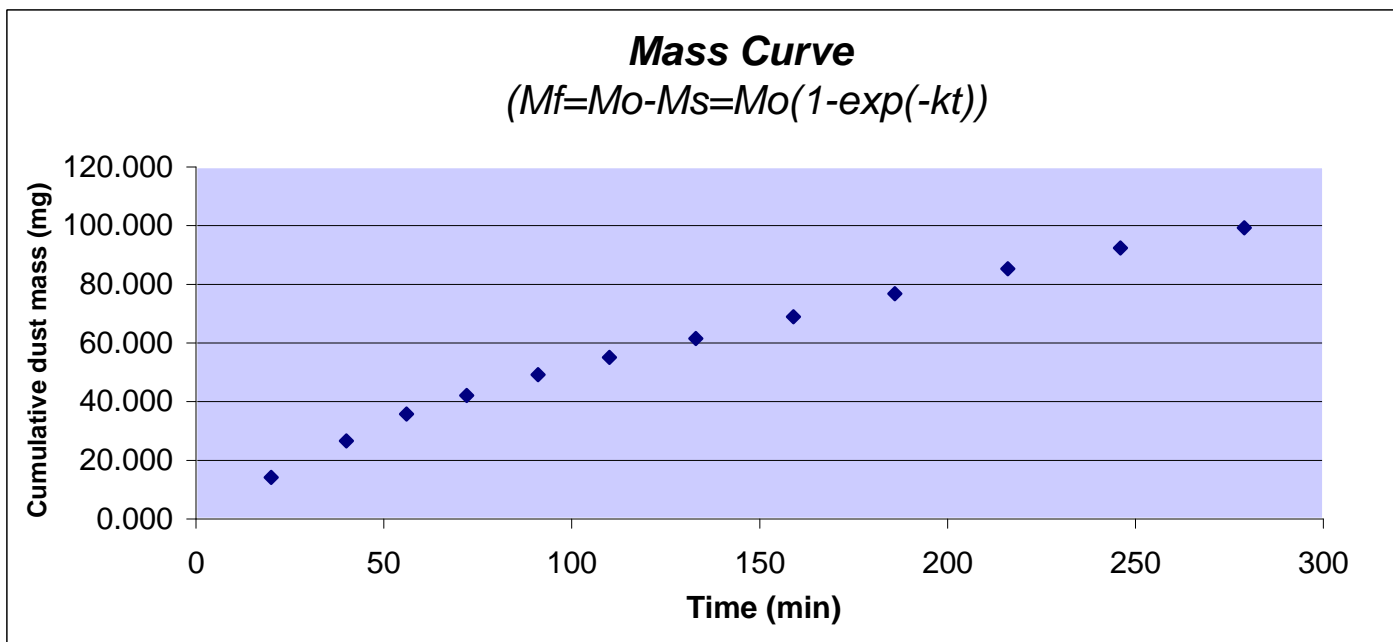
Filter ID #	Filter	Preweight (mg)	Post-Weight (mg)	ΔMF (mg)
1	IST	26.706	26.817	0.111
2	IST	27.262	27.386	0.124
3	IST	27.417	27.52	0.103
4	IST	27.279	27.389	0.110
5	IST	26.388	26.49	0.102
	IST			0.000
	IST			0.000
	IST			0.000
	IST			0.000
	IST			0.000

Enter Filter numbers that are to be sent.

Filters sent to another lab for analysis
1
4

Filter Lot Used	Filter Type: Pore Size	
80812200F	MCE	0.2
microns		

EMSL Ord./sample:	091003470-0002
Client Sample ID:	SSAO6-01-0.33BPC



EMSL Analytical, Inc
Elutriator Prep Worksheet



EMSL Ord./sample:	091003470 -0003
Client Sample ID:	SSA06-03-0.00BPC

Date:	4/30/2010
System:	2
Operator:	JS

Sample Drying:	
Temperature (C):	55
Start Date:	4/28/2010
End Date:	4/29/2010

Sample Weight (g)		Total Dried Sample Weight (g)	
Pre Drying	455.15 g	>3/8"	60.59 g
Post Drying	443.8 g	<3/8"	49.34 g (In Tumbler)
% moisture	2.5	<3/8"	333.87 g (Not Used)

	Start Date	Start Time	Stop Date	Stop Time
Conditioning	29-Apr-10	19:45	30-Apr-10	12:40
Tumbling	30-Apr-10	12:40	30-Apr-10	17:40

Tumbling Speed	
30	rpm

% Moisture from surrogate sample			
Pre Dry	1697.7 g	% Moisture	Reviewed:
Post Dry	1651.2 g	2.7	Date:

1410	97	mL/min
ME	IST	



Following results are needed for calculation of asbestos concentration in the total sample mass

Resp. Mass		mo (mg)=		136		Resp.%=		ME Filter Information		
Emission rate		k=		0.0051		0.27564				
Filter ID #	Filter ME	Prewrite (mg)	Post-Weight (mg)	Col. Time (minutes)	mf (mg)	Total Time (min)	In(mo-mf)	t(min)	In(mo-mf)	In(mo)
1	ME	24.831	36.324	20	11.493	20	4.824	20	4.8244	4.9127
2	ME	24.981	32.808	10	19.320	30	4.759	30	4.7594	4.9127
3	ME	25.048	32.004	10	26.276	40	4.698	40	4.6980	4.9127
4	ME	24.502	31.822	10	33.596	50	4.629	50	4.6289	4.9127
5	ME	24.727	29.760	10	38.629	60	4.579	60	4.5785	4.9127
6	ME	24.871	32.077	13	45.835	73	4.502	73	4.5016	4.9127
7	ME	25.089	30.636	13	51.382	86	4.438	86	4.4381	4.9127
8	ME	24.667	31.464	16	58.179	102	4.354	102	4.3544	4.9127
9	ME	24.809	30.391	16	63.761	118	4.280	118	4.2800	4.9127
10	ME	24.824	30.664	18	69.601	136	4.196	136	4.1957	4.9127
11	ME	25.187	30.395	20	74.809	156	4.114	156	4.1140	4.9127
12	ME	24.338	29.973	21	80.444	177	4.017	177	4.0174	4.9127
13	ME	24.993	31.551	25	87.002	202	3.892	202	3.8918	4.9127
14	ME	25.140	31.589	26	93.451	228	3.751	228	3.7507	4.9127
15	ME	25.159	31.231	28	99.523	256	3.597	256	3.5967	4.9127
16	ME	24.717	28.477	20	103.283	276	3.488	276	3.4879	4.9127
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Remove Contents of cells that have no data

EMSL Analytical, Inc
Elutriator Prep Worksheet

EMSL Ord./sample:	091003470-0003
Client Sample ID:	SSAO6-03-0.00BPC

IST Filter Information

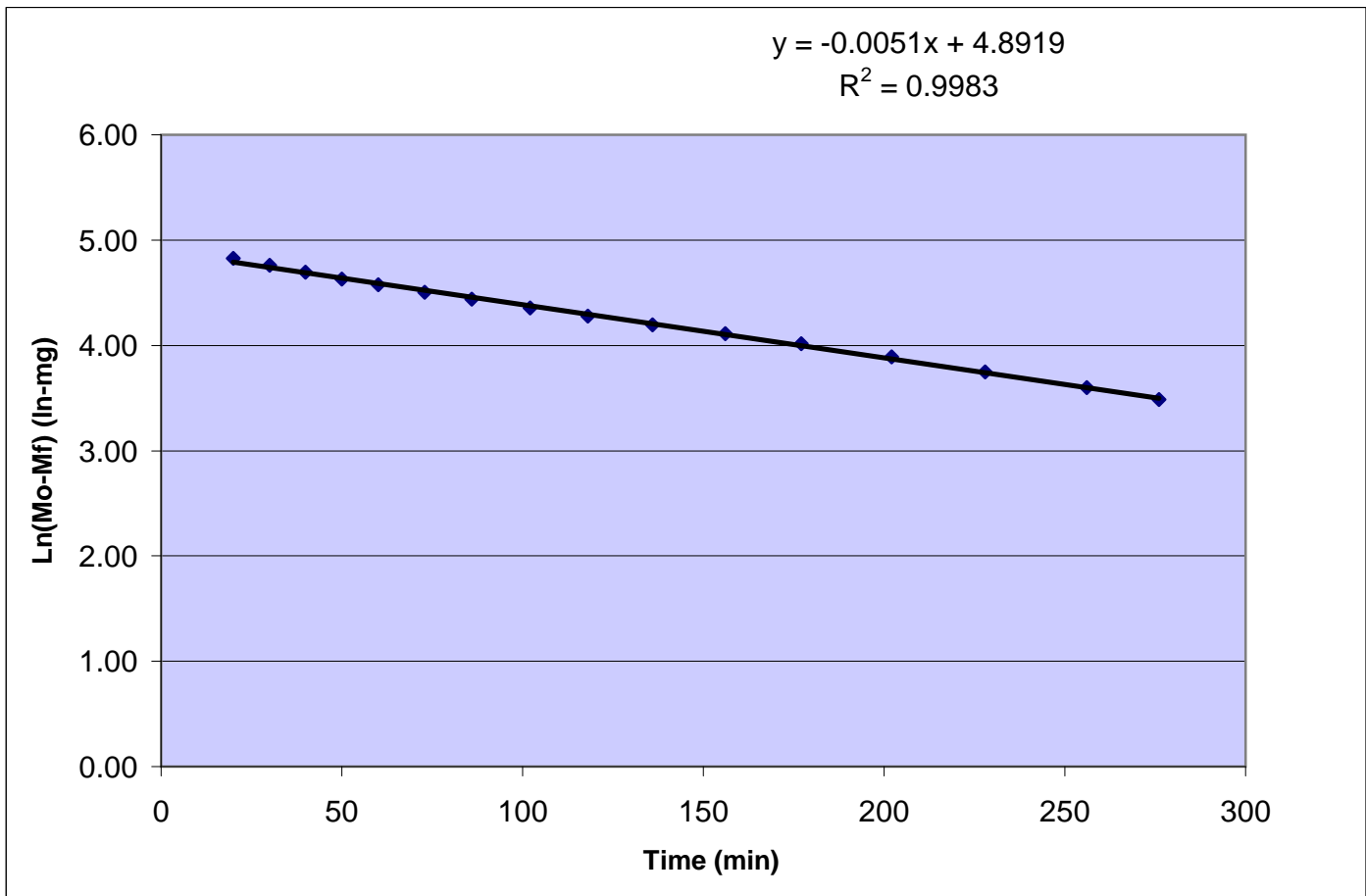
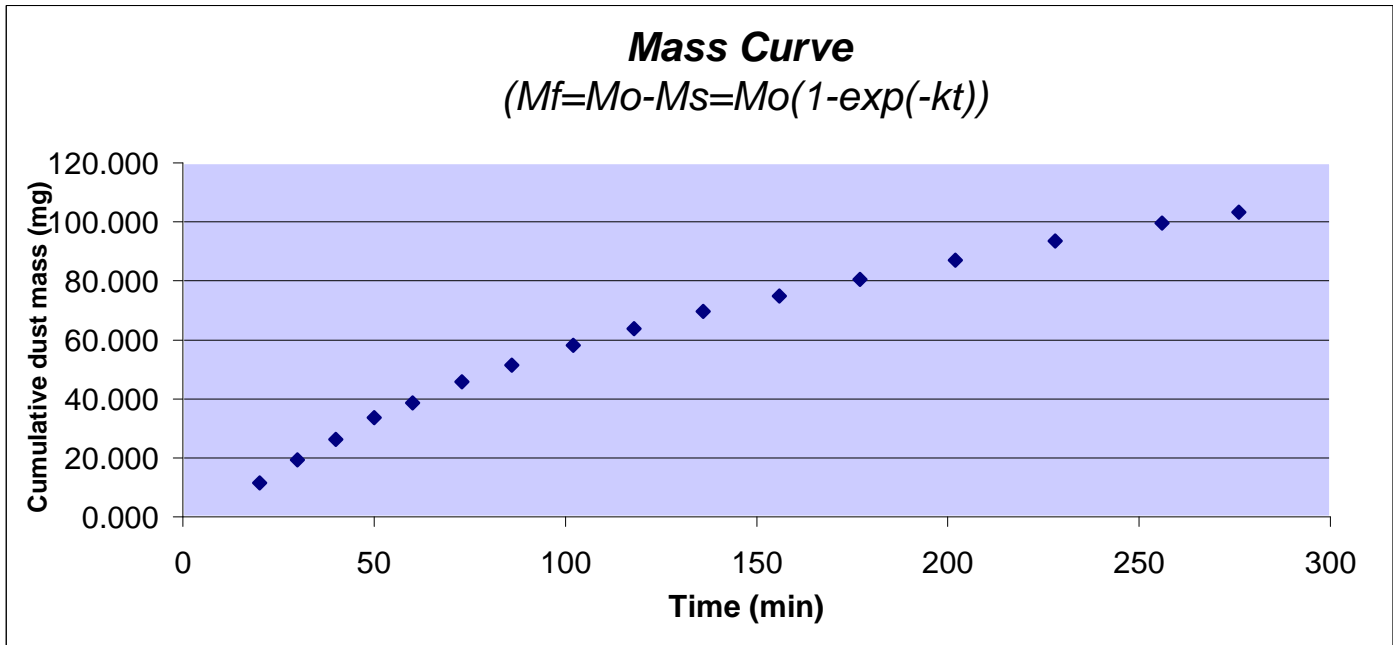
Filter ID #	Filter	Preweight (mg)	Post-Weight (mg)	Δ MF (mg)
1	IST	26.382	26.529	0.147
2	IST	25.918	26.049	0.131
3	IST	25.938	26.04	0.102
4	IST	25.838	25.941	0.103
5	IST	26.501	26.601	0.100
	IST			0.000
	IST			0.000
	IST			0.000
	IST			0.000
	IST			0.000

Enter Filter numbers that are to be sent.

Filters sent to another lab for analysis
1
2

Filter Lot Used	Filter Type: Pore Size	
808122000	MCE	0.2
microns		

EMSL Ord./sample:	091003470-0003
Client Sample ID:	SSAO6-03-0.00BPC



EMSL Analytical, Inc
Elutriator Prep Worksheet

EMSL Ord./sample: 091003470 -0009
Client Sample ID: SSAP7-01-0.00BPC

Date: 5/3/2010
System: 2
Operator: AC



Sample Drying:
Temperature (C): 55
Start Date: 4/28/2010
End Date: 4/29/2010

Sample Weight (g)		Total Dried Sample Weight (g)	
Pre Drying	379.99 g	>3/8"	40.14 g
Post Drying	368.46 g	<3/8"	50.69 g (In Tumbler)
% moisture	3.0	<3/8"	277.63 g (Not Used)

	Start Date	Start Time	Stop Date	Stop Time
Conditioning	29-Apr-10	19:45	3-May-10	11:20
Tumbling	03-May-10	11:20	3-May-10	16:20

Tumbling Speed

30 rpm

1456 101 mL/min
ME IST



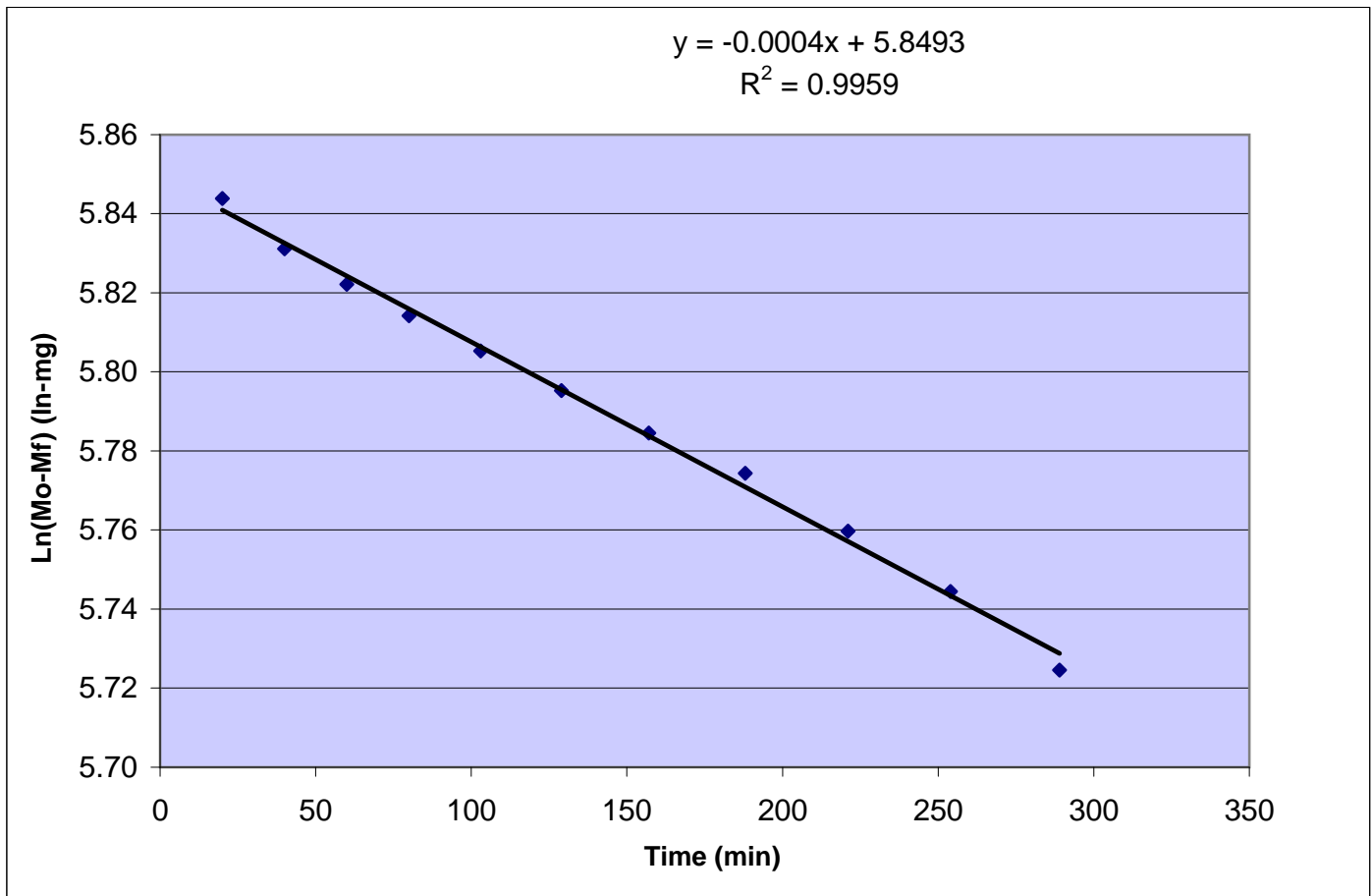
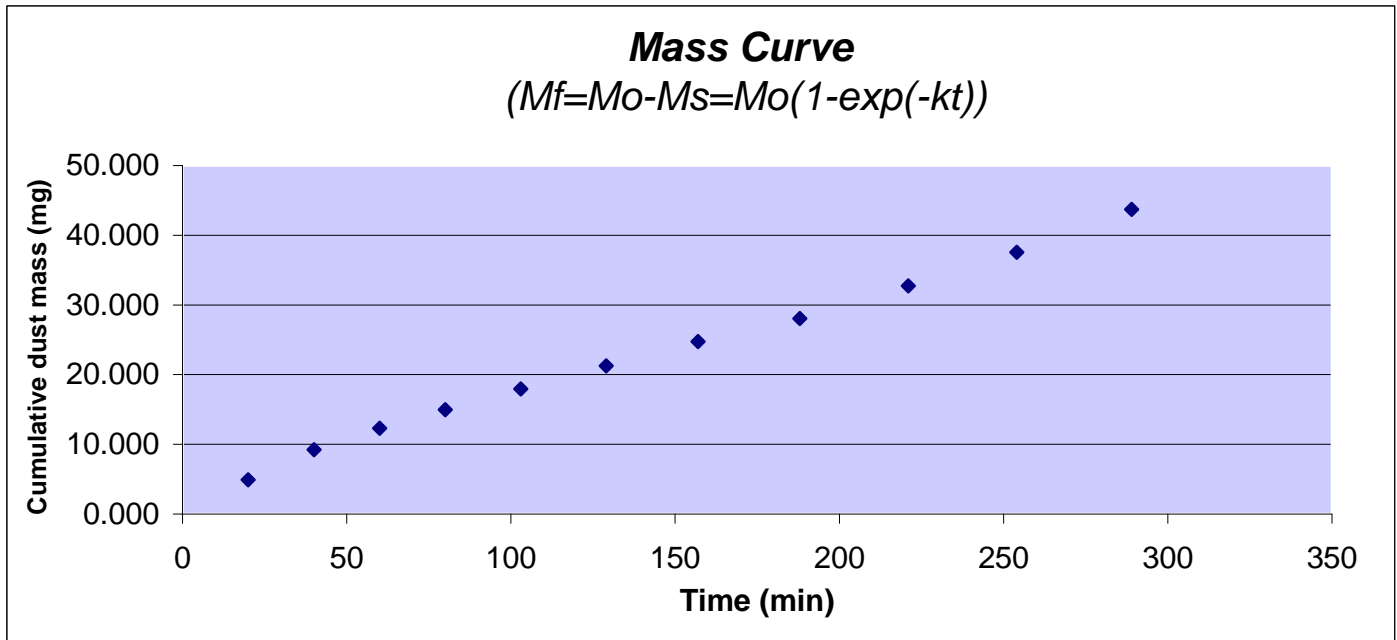
% Moisture from surrogate sample		Reviewed:	
Pre Dry	1446.4 g	% Moisture	
Post Dry	1424.9 g	1.5	Date:

Following results are needed for calculation of asbestos concentration in the total sample mass

Resp. Mass	mo (mg)=	350						Resp.%=	ME Filter Information		
Emission rate	k=	0.0004						0.69047			
Filter ID #	Filter ME	Preweight (mg)	Post-Weight (mg)	Col. Time (minutes)	mf (mg)	Total Time (min)	In(mo-mf)	t(min)	In(mo-mf)	In(mo)	
1	ME	25.245	30.140	20	4.895	20	5.844	20	5.8438	5.8579	
2	ME	25.069	29.419	20	9.245	40	5.831	40	5.8312	5.8579	
3	ME	25.195	28.248	20	12.298	60	5.822	60	5.8222	5.8579	
4	ME	22.399	25.091	20	14.990	80	5.814	80	5.8142	5.8579	
5	ME	22.310	25.274	23	17.954	103	5.805	103	5.8053	5.8579	
6	ME	25.229	28.531	26	21.256	129	5.795	129	5.7953	5.8579	
7	ME	25.582	29.088	28	24.762	157	5.785	157	5.7846	5.8579	
8	ME	25.725	29.021	31	28.058	188	5.774	188	5.7744	5.8579	
9	ME	22.589	27.264	33	32.733	221	5.760	221	5.7597	5.8579	
10	ME	22.447	27.259	33	37.545	254	5.744	254	5.7445	5.8579	
11	ME	22.650	28.801	35	43.696	289	5.725	289	5.7246	5.8579	
	ME										
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Remove Contents of cells that have no data

EMSL Ord./sample:	091003470-0009
Client Sample ID:	SSAP7-01-0.00BPC



EMSL Analytical, Inc
Elutriator Prep Worksheet

EMSL Ord./sample:	091003470-0011
Client Sample ID:	SA58-0.33BPC

IST Filter Information

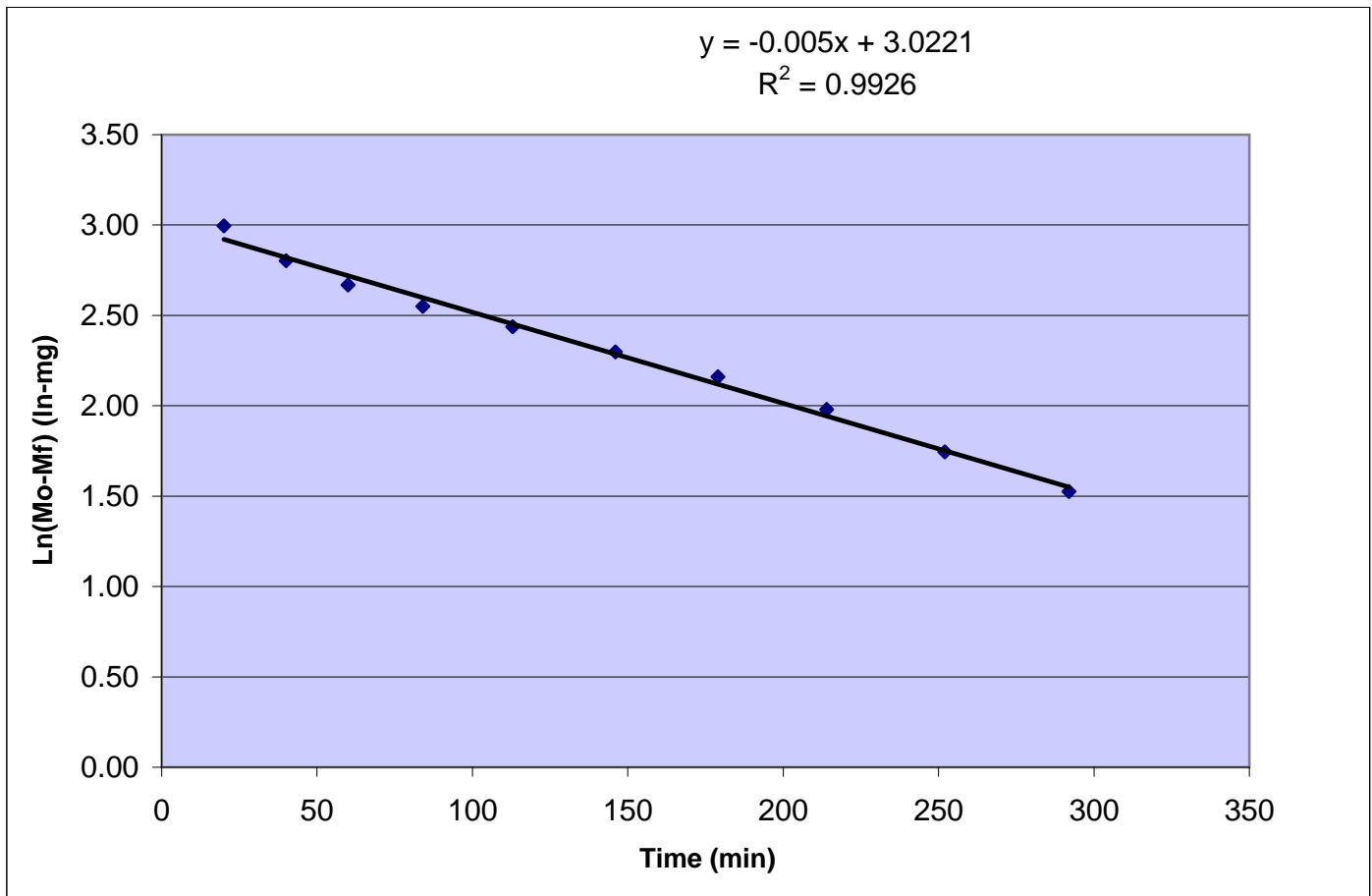
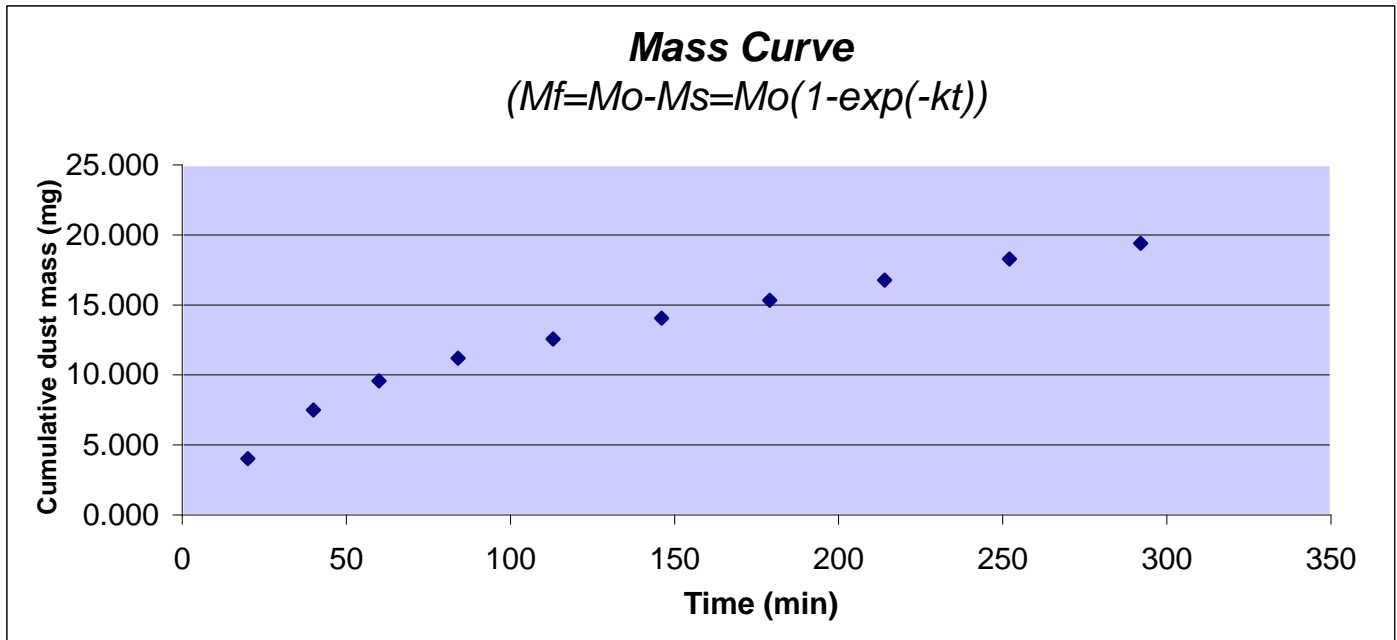
Filter ID #	Filter	Preweight (mg)	Post-Weight (mg)	ΔMF (mg)
1	IST	26.93	27.063	0.133
2	IST	26.972	27.1	0.128
3	IST	26.605	26.732	0.127
4	IST	26.653	26.813	0.160
5	IST	26.824	26.944	0.120
6	IST			0.000
	IST			0.000
	IST			0.000
	IST			0.000
	IST			0.000

Enter Filter numbers that are to be sent.

Filters sent to another lab for analysis
1
3

Filter Lot Used	Filter Type: Pore Size	
80812200 J	MCE	0.2
microns		

EMSL Ord./sample:	091003470-0011
Client Sample ID:	SA58-0.33BPC





EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

Client:		Derrick Willis, Tronox LLC - Henderson			
EMSL Sample ID:	091003470-0001	GO area (mm ²):	0.013	Scope:	0401
Customer Sample:	SSAO6-01-0.00BPC	Grid Box :	0410-Elutriator-05: S	Mag:	19,000
		Pore Size (micron):	0.2	Analyst(s):	F Craig
Project ID:	2027.01 / 2027.001.2118 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV			Analysis Date:	05/06/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
S6	J1	None Detected								
S6	J3	None Detected								
S6	J5	None Detected								
S6	J7	None Detected								
S6	J9	None Detected								
S6	I10	None Detected								
S6	I8	None Detected								
S6	I6	None Detected								
S6	I4	MD11	1		31	8.5	ADX	Crocidolite		
S6	I4	MF		1	28.5	0.3	ADX	Crocidolite	010207D / 010208M	
S6	I2	MC21	2	2	42	12	CD	Chrysotile		SAED observed but too faint to photograph
S6	H1	None Detected								
S6	H3	None Detected								
S6	H5	None Detected								
S6	H7	None Detected								
S6	H9	None Detected								
S6	G10	None Detected								
S6	G8	None Detected								
S6	G6	None Detected								
S6	G4	None Detected								
S6	G2	None Detected								
S6	F1	None Detected								
S6	F3	None Detected								
S6	F5	None Detected								
S6	F7	None Detected								
S6	F9	None Detected								
S6	E10	None Detected								
S6	E8	None Detected								
S6	E4	None Detected								
S6	E2	None Detected								
S6	D1	None Detected								
S6	D3	None Detected								
S6	D5	None Detected								
S6	D7	None Detected								
S6	D9	None Detected								

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EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

EMSL Sample ID:	091003470-0001
Customer Sample:	SSAO6-01-0.00BPC

Analyzed By:	F Craig
Analysis Date:	05/06/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
S6	C10	None Detected								
S6	C8	None Detected								
S6	C6	None Detected								
S8	B1	None Detected								
S8	B3	None Detected								
S8	B5	None Detected								
S8	B7	None Detected								
S8	C8	None Detected								
S8	C6	None Detected								
S8	C4	None Detected								
S8	C2	None Detected								
S8	D1	None Detected								
S8	D3	None Detected								
S8	D5	None Detected								
S8	D7	None Detected								
S8	D9	None Detected								
S8	F9	None Detected								
S8	F7	None Detected								
S8	F5	MD11	3		9.5	8.5	ADX	Crocidolite		
S8	F5	MF		3	9.5	0.25	ADX	Crocidolite		
S8	F3	None Detected								
S8	F1	None Detected								
S8	G2	None Detected								
S8	G4	None Detected								
S8	G6	None Detected								
S8	G8	None Detected								
S8	G10	None Detected								
S8	H9	None Detected								
S8	H7	None Detected								
S8	H5	MC11	4	4	12.5	5.5	ADX	Crocidolite		
S8	H3	None Detected								
S8	H1	None Detected								
S8	I2	None Detected								
S8	I6	None Detected								

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EPA 540-R-97-028 -Superfund Method
 Draft Modified Elutriator Method for the Determination of Asbestos in Soils
 and Bulk Material Method (Revision 1)
 Structure Sketch Sheet for Direct Data Entry

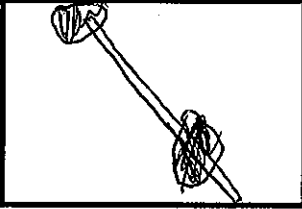
EMSL Order ID: 091003470-0001

Client: Tronox LLC - Henderson

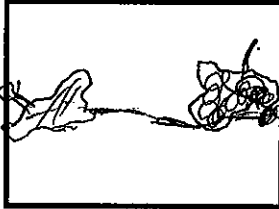
Client Sample: SSAO6-01-0.00BPC

Page 1 of 1

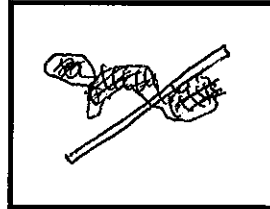
Primary Structure # 1



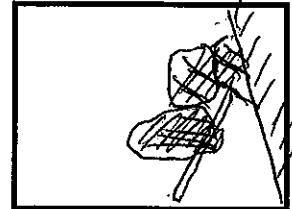
Primary Structure # 2



Primary Structure # 3



Primary Structure # 4



Primary Structure #



Primary Structure #



Primary Structure #



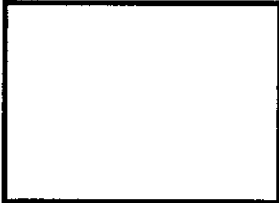
Primary Structure #



Primary Structure #



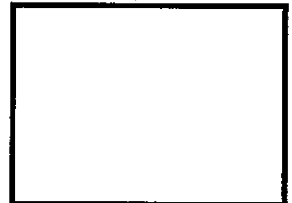
Primary Structure #



Primary Structure #



Primary Structure #



Primary Structure #



Primary Structure #



Primary Structure #



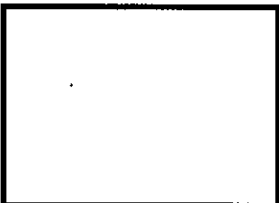
Primary Structure #



Structure #



Structure #



Structure #



Structure #



Analyst: *R*

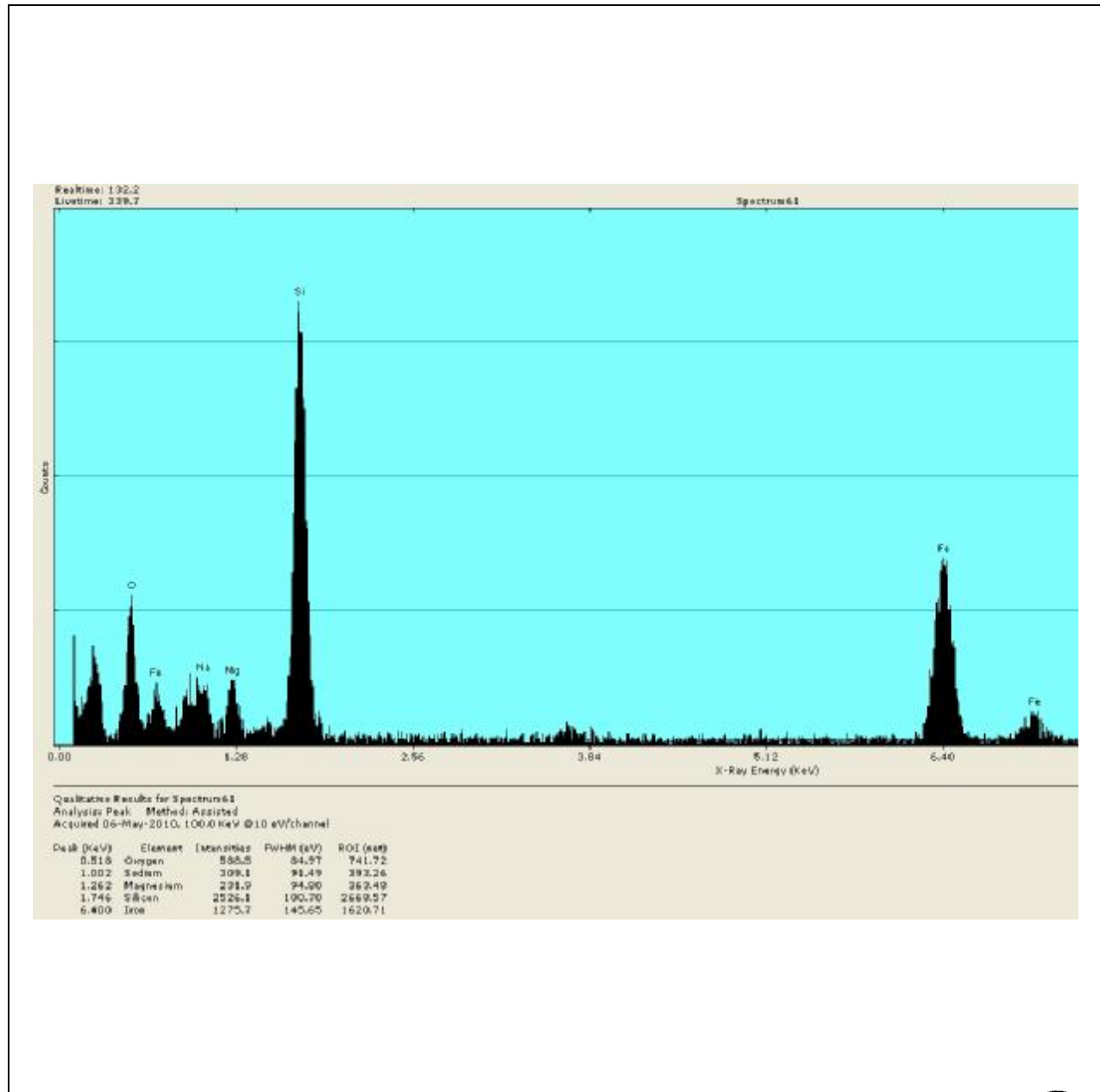
Date: 5/6/10

Scope: 0401



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TEM EPA Superfund
EDXA Spectrum
Tronox / Order # 091003470
Sample # SSAO6-01-0.00BPC
Identification: Crocidolite
091003470-0001_TEM_ISO_ELUTRIATOR_Crocidolite



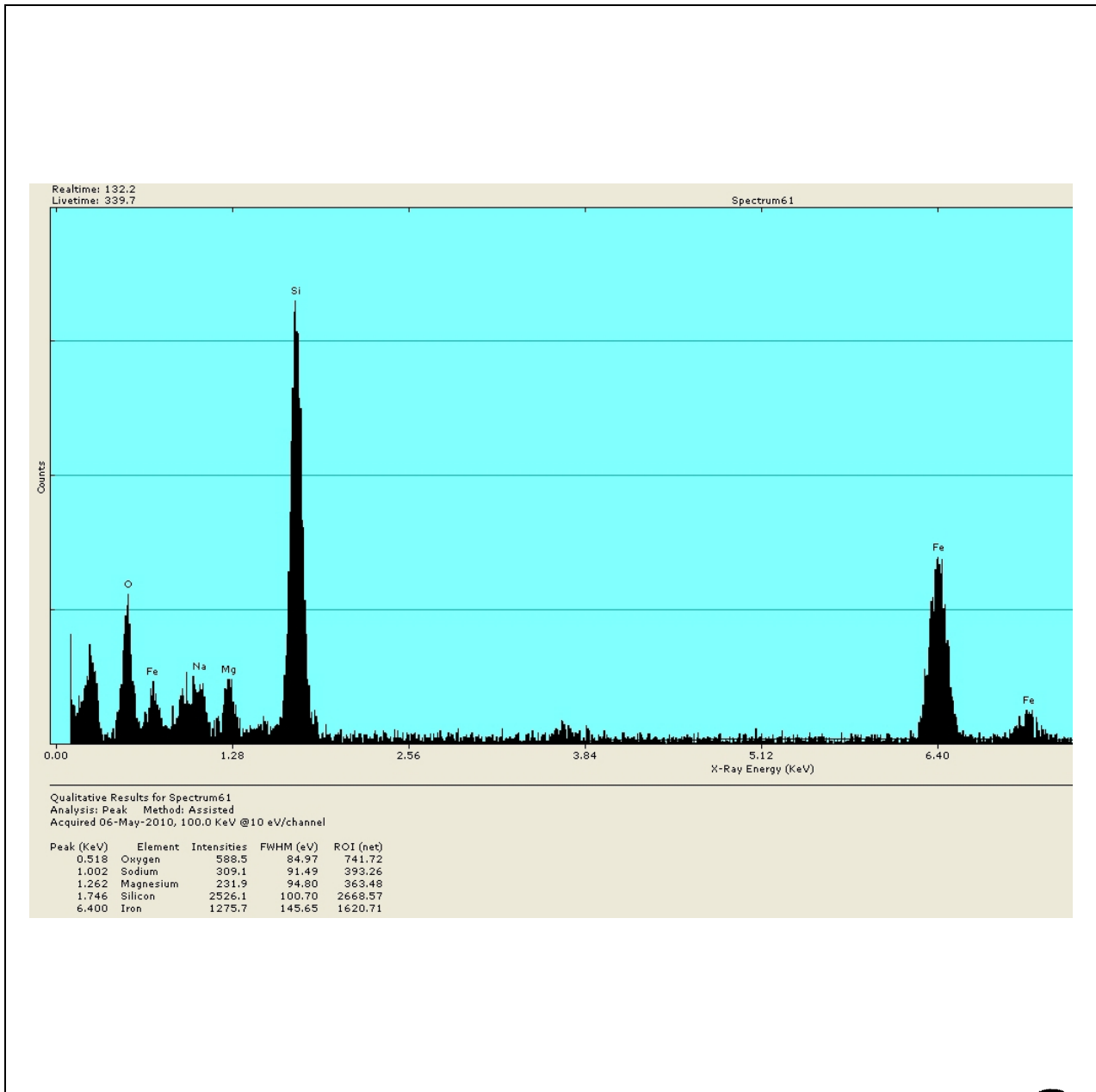


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TEM EPA Superfund EDXA Spectrum

Tronox / Order # 091003470
Sample # SSAO6-01-0.00BPC
Identification: Crocidolite

091003470-0001_TEM_ISO_ELUTRIATOR_Crocidolite

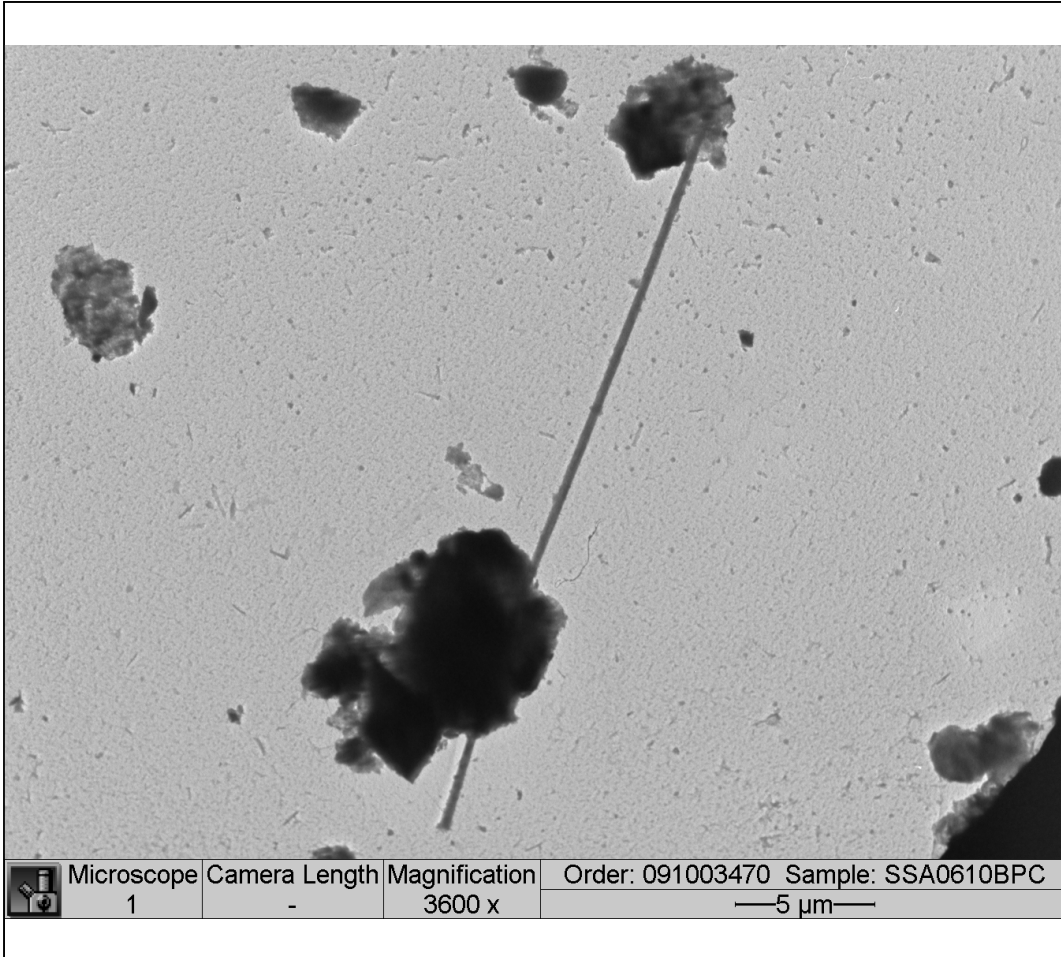




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EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

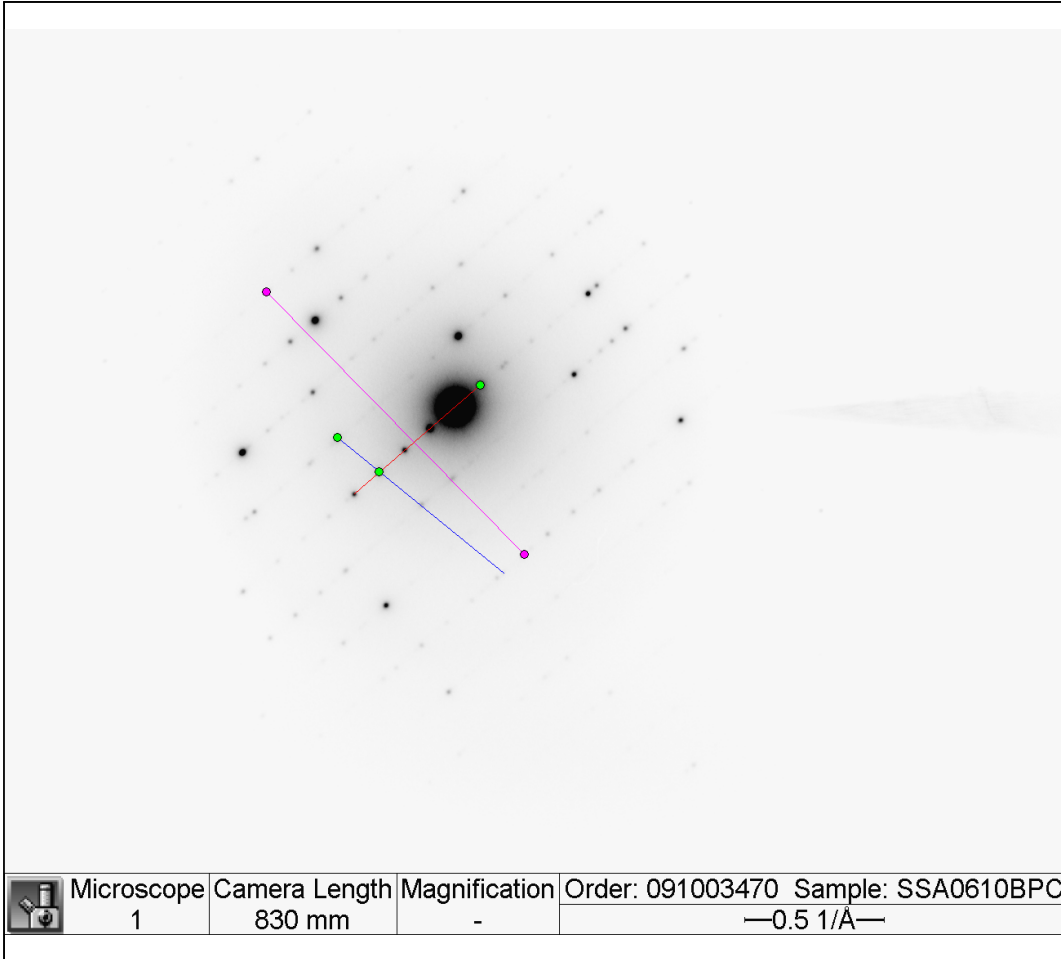
Sample ID:	SSAO6-01-0.00BPC
Order ID:	091003470
Image Number:	010208
Mineral Type:	CROCIDOLITE
Date:	5/6/2010
Magnification:	3600
Microscope:	1



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EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

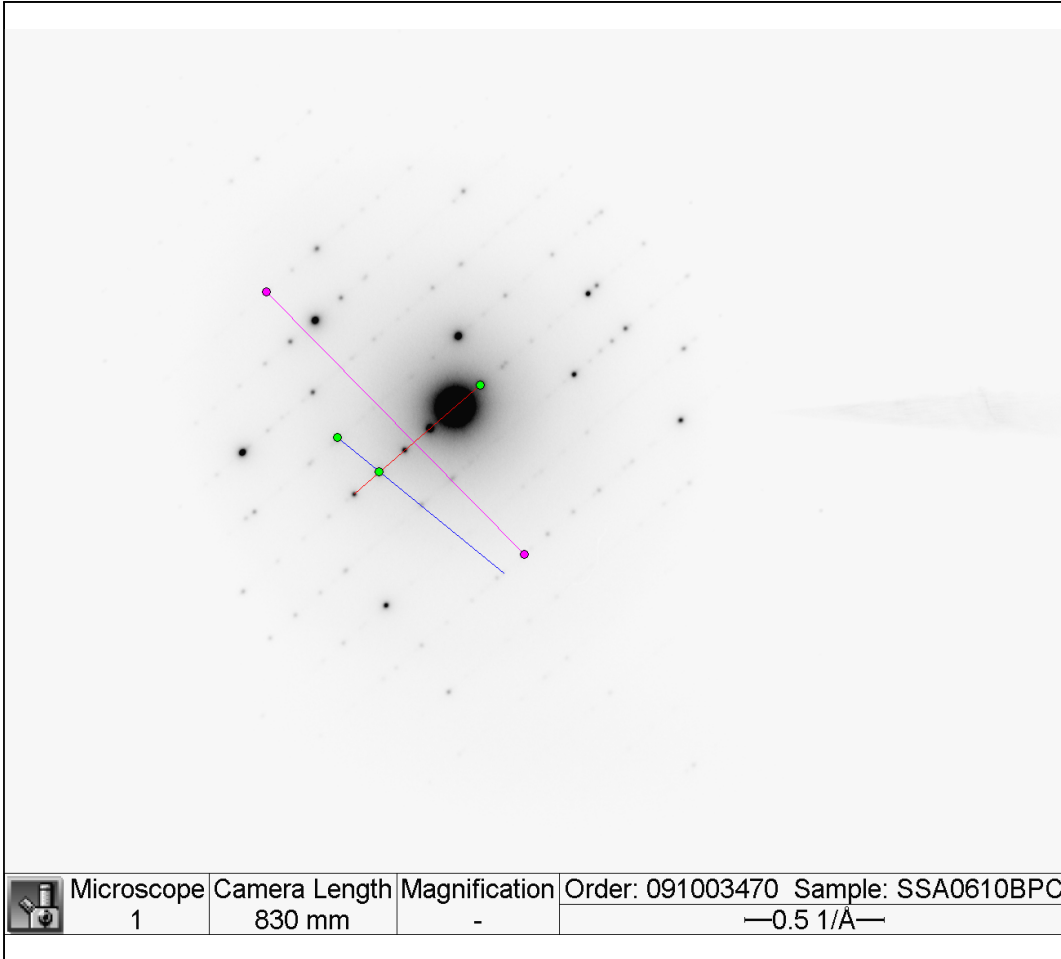
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Order ID:	091003470
Image Number:	010207
Mineral Type:	CROCIDOLITE
Date:	5/6/2010
Magnification:	83
Microscope:	1



EMSL ANALYTICAL, INC.

EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

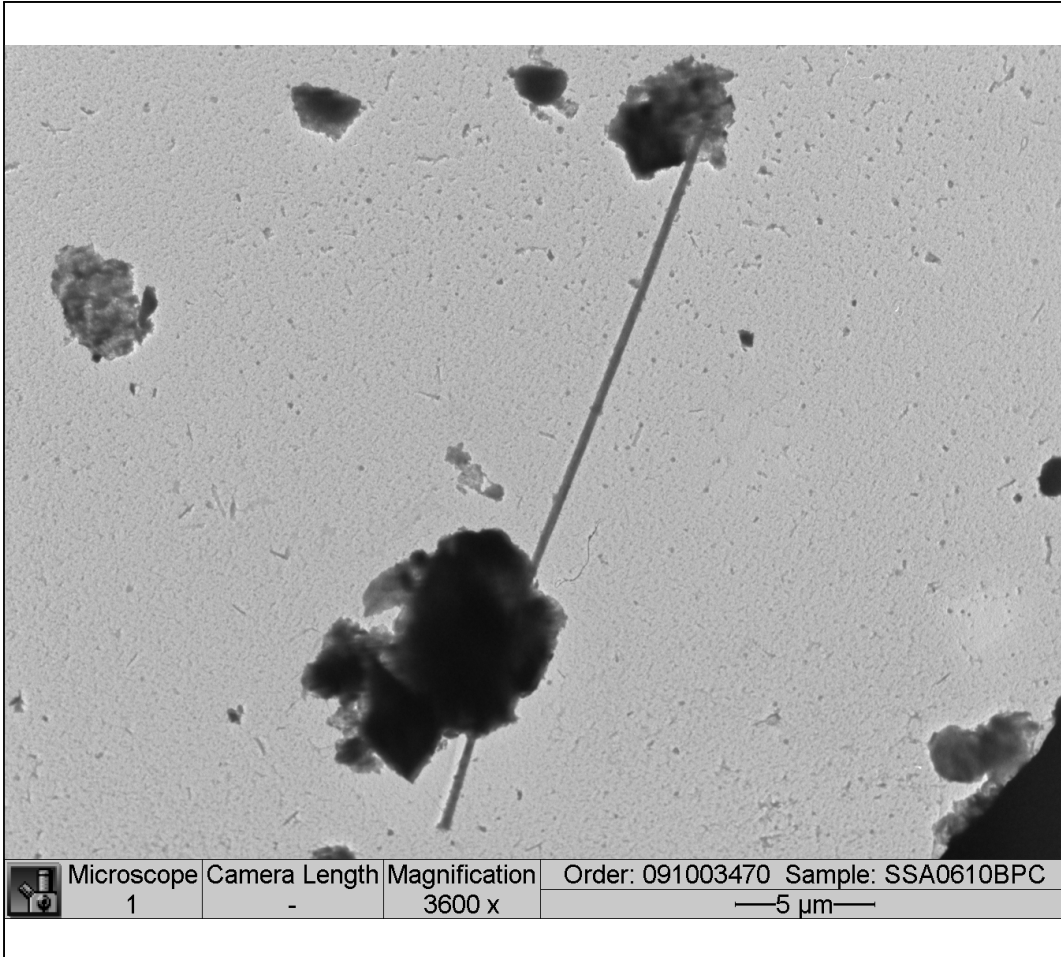
Sample ID:	SSAO6-01-0.00BPC
Order ID:	091003470
Image Number:	010207
Mineral Type:	CROCIDOLITE
Date:	5/6/2010
Magnification:	83
Microscope:	1



EMSL ANALYTICAL, INC.

EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

Sample ID:	SSAO6-01-0.00BPC
Order ID:	091003470
Image Number:	010208
Mineral Type:	CROCIDOLITE
Date:	5/6/2010
Magnification:	3600
Microscope:	1



EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

Client:		Derrick Willis, Tronox LLC - Henderson			
EMSL Sample ID:	091003470-0002	GO area (mm ²):	0.013	Scope:	0401
Customer Sample:	SSAO6-01-0.33BPC	Grid Box :	0410-Elutriator-08: D	Mag:	19,000
		Pore Size (micron):	0.2	Analyst(s):	F Craig
Project ID:	2027.01 / 2027.001.2113 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV			Analysis Date:	05/18/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
D2	A10	None Detected								
D2	A8	None Detected								
D2	A6	None Detected								
D2	A4	None Detected								
D2	A2	None Detected								
D2	B3	None Detected								
D2	B5	None Detected								
D2	B7	None Detected								
D2	B9	None Detected								
D2	C10	None Detected								
D2	C8	None Detected								
D2	C6	None Detected								
D2	C4	None Detected								
D2	C2	None Detected								
D2	D3	None Detected								
D2	D5	None Detected								
D2	D7	None Detected								
D2	D9	None Detected								
D2	E10	None Detected								
D2	E8	None Detected								
D2	E4	None Detected								
D2	E2	None Detected								
D2	F3	None Detected								
D2	F5	None Detected								
D2	F7	None Detected								
D2	F9	None Detected								
D2	G10	None Detected								
D2	G8	None Detected								
D2	G6	None Detected								
D2	G4	None Detected								
D2	G2	None Detected								
D2	H3	None Detected								
D2	H5	None Detected								
D2	H7	None Detected								
D2	H9	None Detected								

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EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

EMSL Sample ID:	091003470-0002
Customer Sample:	SSAO6-01-0.33BPC

Analyzed By:	F Craig
Analysis Date:	05/18/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
D2	I10	None Detected								
D2	I8	None Detected								
D2	I6	None Detected								
D2	I4	None Detected								
D2	H5	None Detected								
D2	H3	None Detected								
D2	H1	None Detected								
D3	A4	None Detected								
D3	A6	None Detected								
D3	A8	None Detected								
D3	A10	None Detected								
D3	B9	None Detected								
D3	B7	None Detected								
D3	B5	None Detected								
D3	B3	None Detected								
D3	B1	None Detected								
D3	C10	None Detected								
D3	C8	None Detected								
D3	C6	None Detected								
D3	C4	None Detected								
D3	C2	None Detected								
D3	D1	None Detected								
D3	D3	None Detected								
D3	D5	None Detected								
D3	D7	None Detected								
D3	D9	None Detected								
D3	E2	None Detected								
D3	E4	None Detected								
D3	E8	None Detected								
D3	E10	None Detected								
D3	F9	None Detected								
D3	F7	None Detected								
D3	F5	None Detected								
D3	F3	None Detected								
D3	F1	None Detected								
D3	G2	None Detected								
D3	G4	None Detected								

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EPA 540-R-97-028 -Superfund Method

**Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)**

Bench Sheet Data

EMSL Sample ID:	091003470-0002
Customer Sample:	SSAO6-01-0.33BPC

Analyzed By:	F Craig
Analysis Date:	05/18/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
D3	G6	None Detected								
D3	G8	None Detected								
D3	G10	None Detected								
D3	H9	None Detected								
D3	H7	None Detected								
D3	H5	None Detected								
D3	H3	None Detected								
D3	H1	None Detected								
D3	I2	None Detected								
D3	I4	None Detected								
D3	I6	None Detected								
D3	I8	None Detected								
D3	I10	None Detected								
D3	J1	None Detected								
D3	J3	None Detected								
D3	J5	None Detected								
D3	J7	None Detected								
D3	J9	None Detected								
D4	C3	None Detected								
D4	C5	None Detected								

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EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)
Bench Sheet Data

Client: Derrick Willis, Tronox LLC - Henderson					
EMSL Sample ID:	091003470-0003	GO area (mm ²):	0.013	Scope:	0401
Customer Sample:	SSAO6-03-0.00BPC	Grid Box :	0410-Elutriator-11: D	Mag:	19,000
		Pore Size (micron):	0.2	Analyst(s):	F Craig
Project ID:	2027.01 / 2027.001.2113 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV			Analysis Date:	06/12/2010 & 06/13/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
D8	J9	None Detected								
D8	J7	None Detected								
D8	J5	F	1	1	8	0.75	NAM	Non Asb. Mineral	010292M	
D8	J3	MD11	2		20.5	6	ADX	Actinolite		
D8	J3	MF		2	20.5	1	ADX	Actinolite		
D8	J3	B	3	3	11	1	ADX	Actinolite	010293D / 010294M	
D8	I2	None Detected								
D8	I4	None Detected								
D8	I6	None Detected								
D8	I8	None Detected								
D8	I10	MD11	4		13.5	10	NAM	Non Asb. Mineral		
D8	I10	MF		4	10.5	0.7	NAM	Non Asb. Mineral		
D8	I10	F	5	5	34.5	0.75	ADX	Actinolite		
D8	I10	MD11	6		14.5	4.5	ADX	Actinolite		
D8	I10	MB		6	13.5	2.25	ADX	Actinolite		
D8	H9	None Detected								
D8	H7	MC11	7	7	16	7.5	ADX	Actinolite		
D8	H5	None Detected								
D8	H3	B	8	8	9.5	1	ADX	Actinolite		
D8	H3	MC10	9	9	3.5	0.8	ADX	Actinolite		
D8	G2	MD11	10		15.5	7	ADX	Actinolite		
D8	G2	MF		10	13.75	0.39	ADX	Actinolite		
D8	G4	None Detected								
D8	G6	None Detected								
D8	G8	None Detected								
D8	G10	None Detected								
D8	F9	F	11	11	41	1.75	ADX	Actinolite		
D8	F7	F	12	12	8.5	0.15	ADX	Actinolite	010295D	
D8	D1	None Detected								
D8	D3	MD11	13		12.5	12	ADX	Actinolite		
D8	D3	MF		13	12.5	1.1	ADX	Actinolite		
D8	D5	MD11	14		10.5	4	ADX	Actinolite		
D8	D5	MF		14	8	0.2	ADX	Actinolite		
D8	D7	None Detected								
D8	D9	F	15	15	9	0.25	ADX	Actinolite		

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EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

EMSL Sample ID:	091003470-0003
Customer Sample:	SSAO6-03-0.00BPC

Analyzed By:	F Craig
Analysis Date:	06/12/2010 & 06/13/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
D8	C10	None Detected								
D8	C8	None Detected								
D8	C6	MD11	16		9.75	3.5	ADX	Actinolite		
D8	C6	MB		16	7.5	0.6	ADX	Actinolite		
D8	C4	F	17	17	8.75	1.2	ADX	Actinolite		
D8	C2	MD11	18		9.5	2.75	ADX	Actinolite		
D8	C2	MF		18	9.5	0.2	ADX	Actinolite		
D8	B1	None Detected								
D8	B3	None Detected								
D8	B5	None Detected								
D8	B7	MD11	19		15	3.5	ADX	Actinolite		
D8	B7	MB		19	8.5	0.5	ADX	Actinolite		
D8	B9	MD11	20		12.5	10	ADX	Actinolite		
D8	B9	MB		20	9	0.5	ADX	Actinolite		
D8	B9	MD11	21		9	1	ADX	Actinolite		
D8	B9	MF		21	9	0.39	ADX	Actinolite		
D8	A10	None Detected								
D8	A8	None Detected								
D8	A4	None Detected								
D8	A2	MD11	22		18	8.5	ADX	Actinolite		
D8	A2	MF		22	18	1.25	ADX	Actinolite		
D7	A2	None Detected								
D7	A4	None Detected								
D7	A6	None Detected								
D7	B7	None Detected								
D7	B5	F	23	23	6	0.7	ADX	Actinolite		
D7	B3	None Detected								
D7	B1	None Detected								
D7	C2	None Detected								
D7	C4	F	0	0	3.5	0.25	ADX	Actinolite		
D7	C4	F	24	24	17.5	0.25	ADX	Actinolite		
D7	C6	None Detected								
D7	D7	MD10	25		3	0.5	ADX	Actinolite		
D7	D7	MF		25	3	0.12	ADX	Actinolite		
D7	D5	None Detected								
D7	D3	None Detected								
D7	D1	None Detected								

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EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

EMSL Sample ID:	091003470-0003
Customer Sample:	SSAO6-03-0.00BPC

Analyzed By:	F Craig
Analysis Date:	06/12/2010 & 06/13/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
D7	F1	F	26	26	8.75	1	ADX	Actinolite		
D7	F3	MD11	27		9	3.5	ADX	Actinolite		
D7	F3	MF		27	7.75	0.12	ADX	Actinolite		
D7	F3	MD11	0		15.5	5.5	ADX	Actinolite		
D7	F3	MB		0	15.5	1	ADX	Actinolite		
D7	F5	F	28	28	14	0.25	ADX	Actinolite		
D7	F7	None Detected								
D7	G6	None Detected								
D7	G4	None Detected								
D5	D9	None Detected								
D5	D7	None Detected								
D5	D5	None Detected								
D5	D3	MD11	29		12.75	4	ADX	Actinolite		
D5	D3	MF		29	12.75	0.5	ADX	Actinolite		
D5	D1	None Detected								
D5	F1	None Detected								
D5	F3	MD11	30		12.25	6	ADX	Actinolite		
D5	F3	MF		30	7.5	0.5	ADX	Actinolite		
D5	F5	MD11	31		6.5	5.5	ADX	Actinolite		
D5	F5	MF		31	5.25	0.25	ADX	Actinolite		
D5	F7	MD11	32		18	13	ADX	Actinolite		
D5	F7	MF		32	11	1.2	ADX	Actinolite		
D5	F9	MD11	0		8	1.5	ADX	Actinolite		
D5	F9	MF		0	8	1	ADX	Actinolite		
D5	G8	None Detected								
D5	G6	MD11	33		5.25	1.75	NAM	Non Asb. Mineral		
D5	G6	MF		33	5.25	0.5	NAM	Non Asb. Mineral		
D5	G4	F	34	34	5.5	0.12	ADX	Actinolite		
D5	G2	None Detected								
D5	H1	None Detected								
D5	H3	None Detected								
D5	H7	None Detected								

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EPA 540-R-97-028 -Superfund Method
 Draft Modified Elutriator Method for the Determination of Asbestos in Soils
 and Bulk Material Method (Revision 1)
 Structure Sketch Sheet for Direct Data Entry

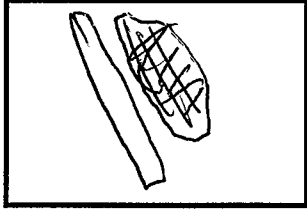
EMSL Order ID: 091003470-0003

Client: Tronox LLC - Henderson

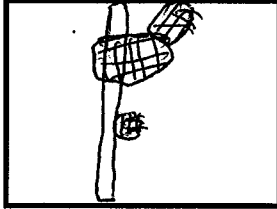
Client Sample: SSA06-03-0.00BPC

Page 1 of 2

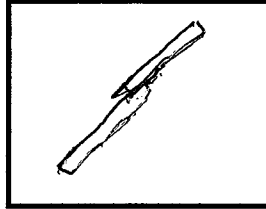
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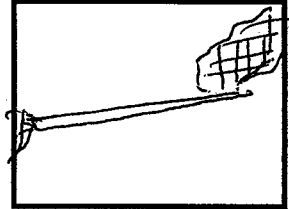
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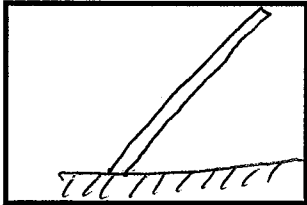
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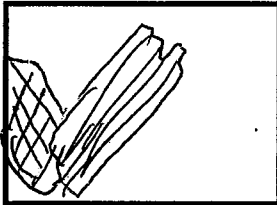
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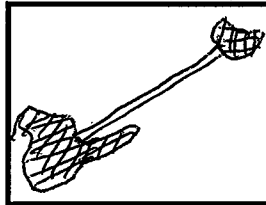
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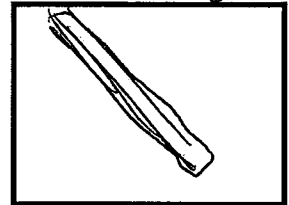
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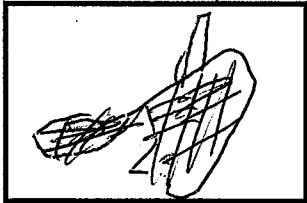
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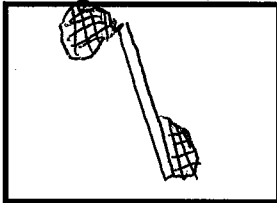
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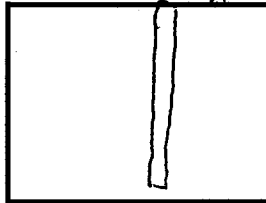
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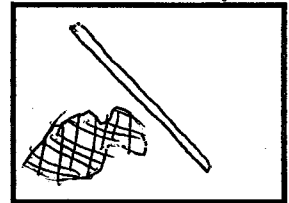
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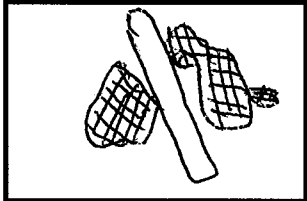
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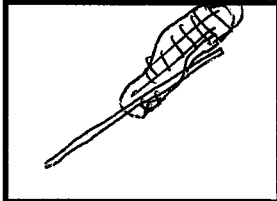
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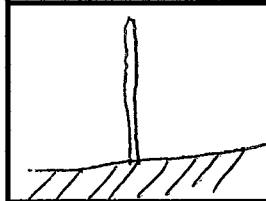
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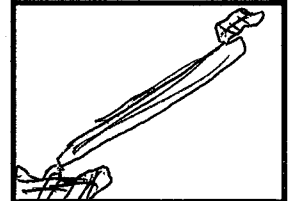
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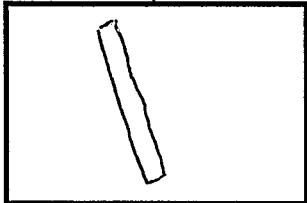
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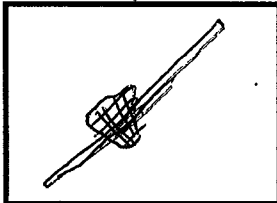
Primary Structure # 16



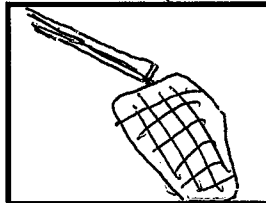
Structure # 17



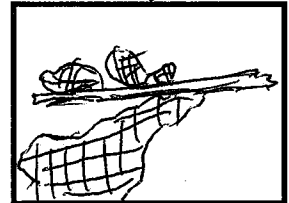
Structure # 18



Structure # 19



Structure # 20



Analyst: Fe

Date: 6/12/10

Scope: 0401



EPA 540-R-97-028 -Superfund Method
 Draft Modified Elutriator Method for the Determination of Asbestos in Soils
 and Bulk Material Method (Revision 1)
 Structure Sketch Sheet for Direct Data Entry

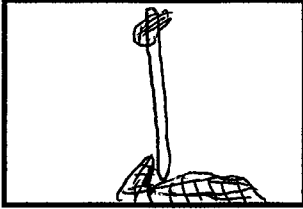
EMSL Order ID: 091003470-0003

Client: Tronox LLC - Henderson

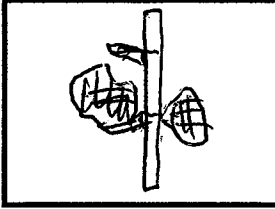
Client Sample: SSA06-03-0.00BPC

Page 2 of 2

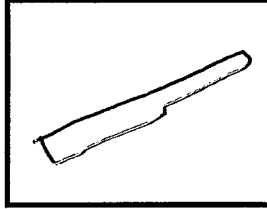
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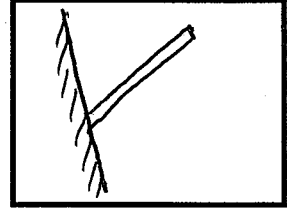
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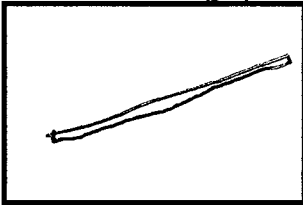
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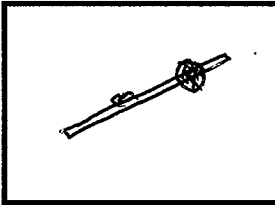
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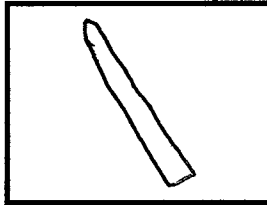
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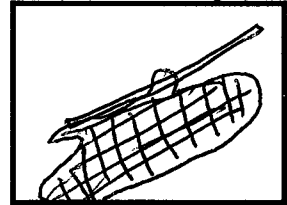
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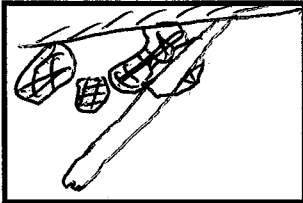
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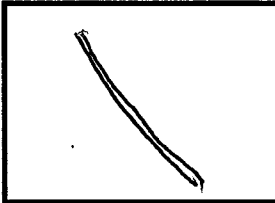
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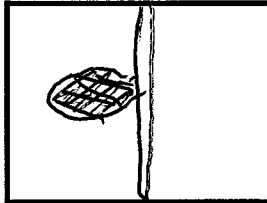
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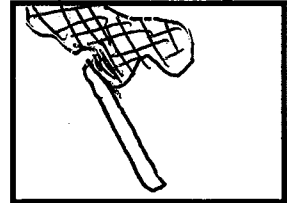
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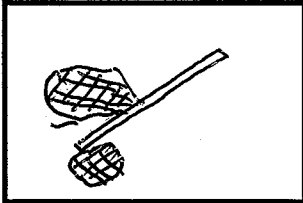
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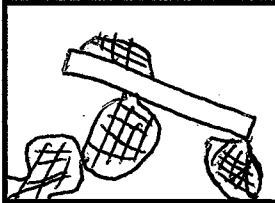
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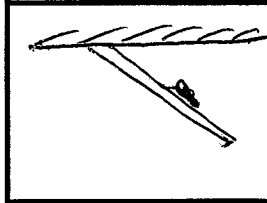
Primary Structure # 31



Primary Structure # 32



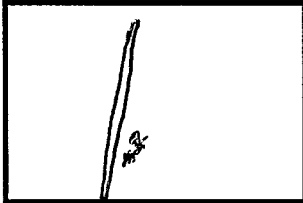
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Primary Structure # 33



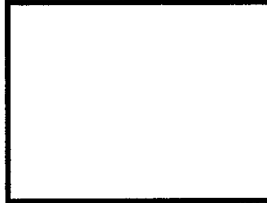
Structure # 34



Structure #



Structure #



Structure #



Analyst: Fz

Date: 6/13/10

Scope: 0401



EMSL Analytical, Inc. w 107 Haddon Ave, Westmont, NJ 08108 w (856)858-4800

TEM EPA Superfund

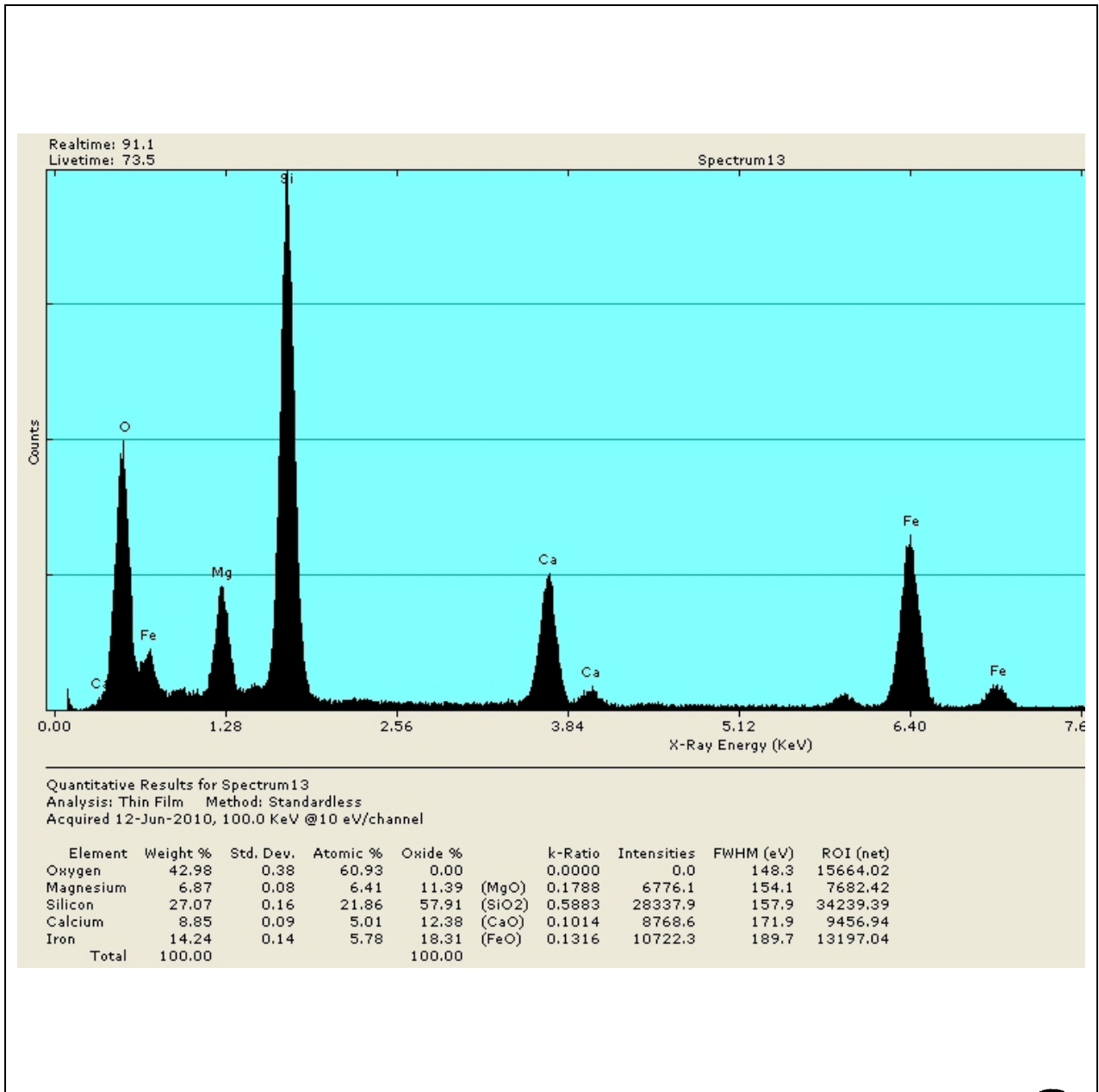
EDXA Spectrum

Tronox / Order # 091003470

Sample # SSAO6-03-0.00BPC

Identification: Actinolite

091003470-0003_TEM_ISO_ELUTRIATOR_Actinolite





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TEM EPA Superfund

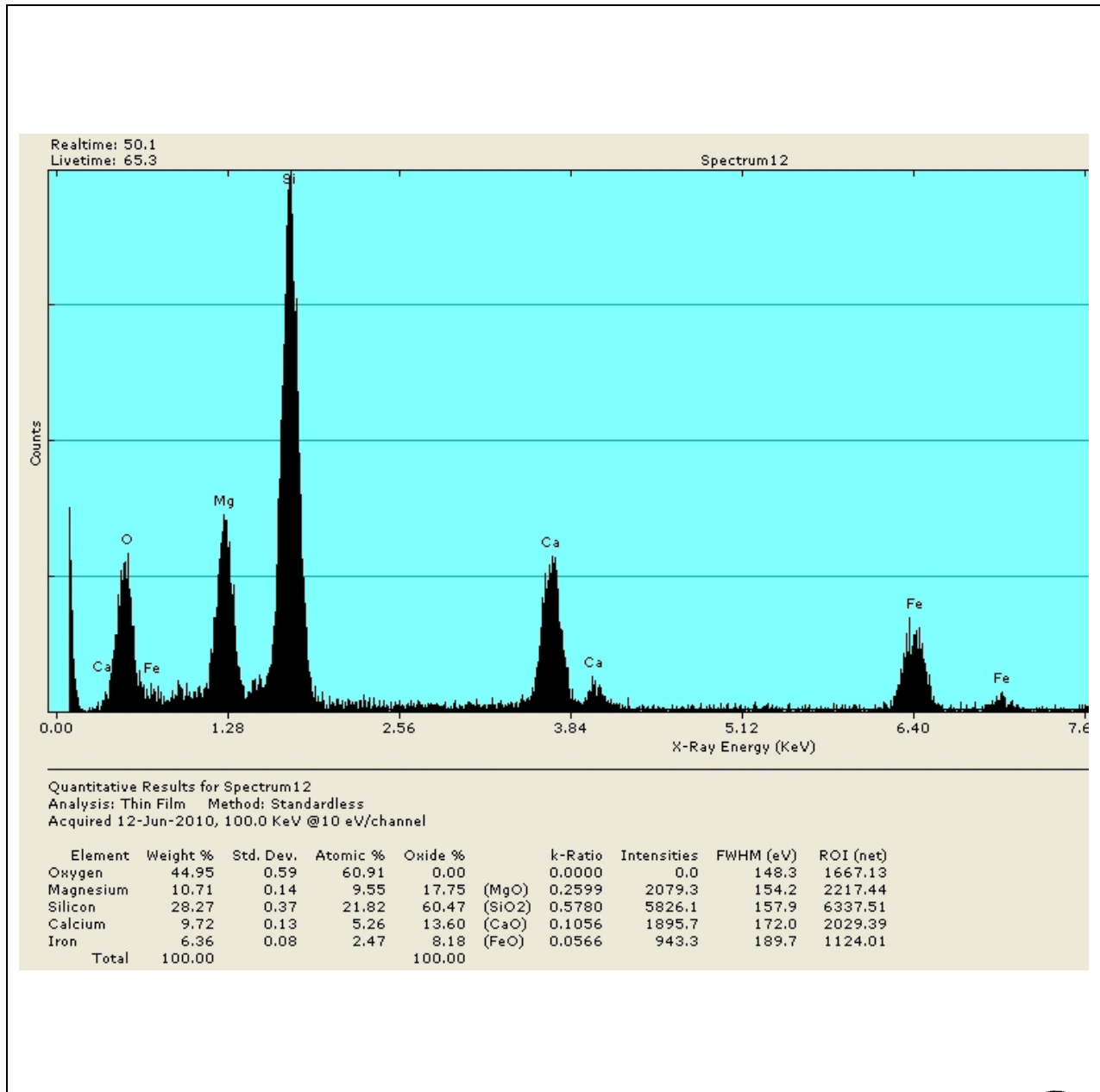
EDXA Spectrum

Tronox / Order # 091003470

Sample # SSAO6-03-0.00BPC

Identification: NAM

091003470-0003_TEM_ISO_ELUTRIATOR_NAM

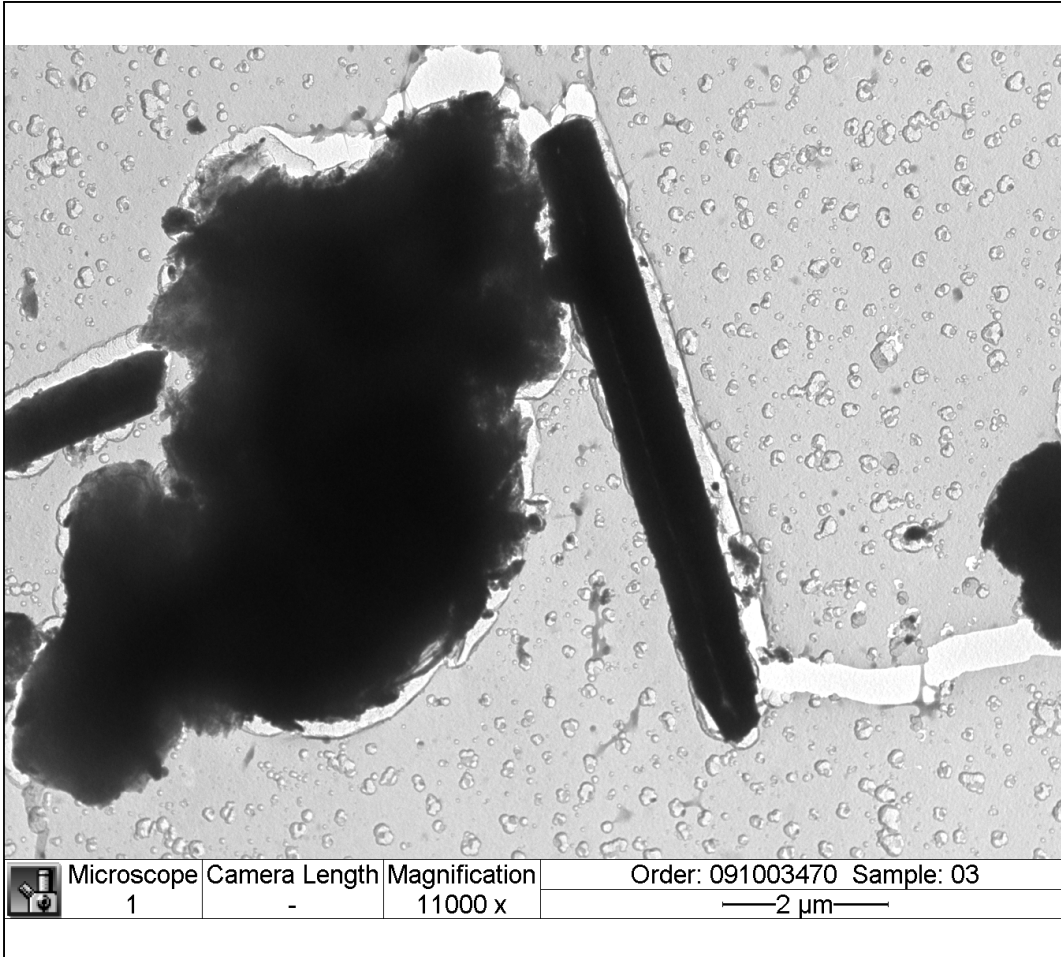




EMSL ANALYTICAL, INC.

EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

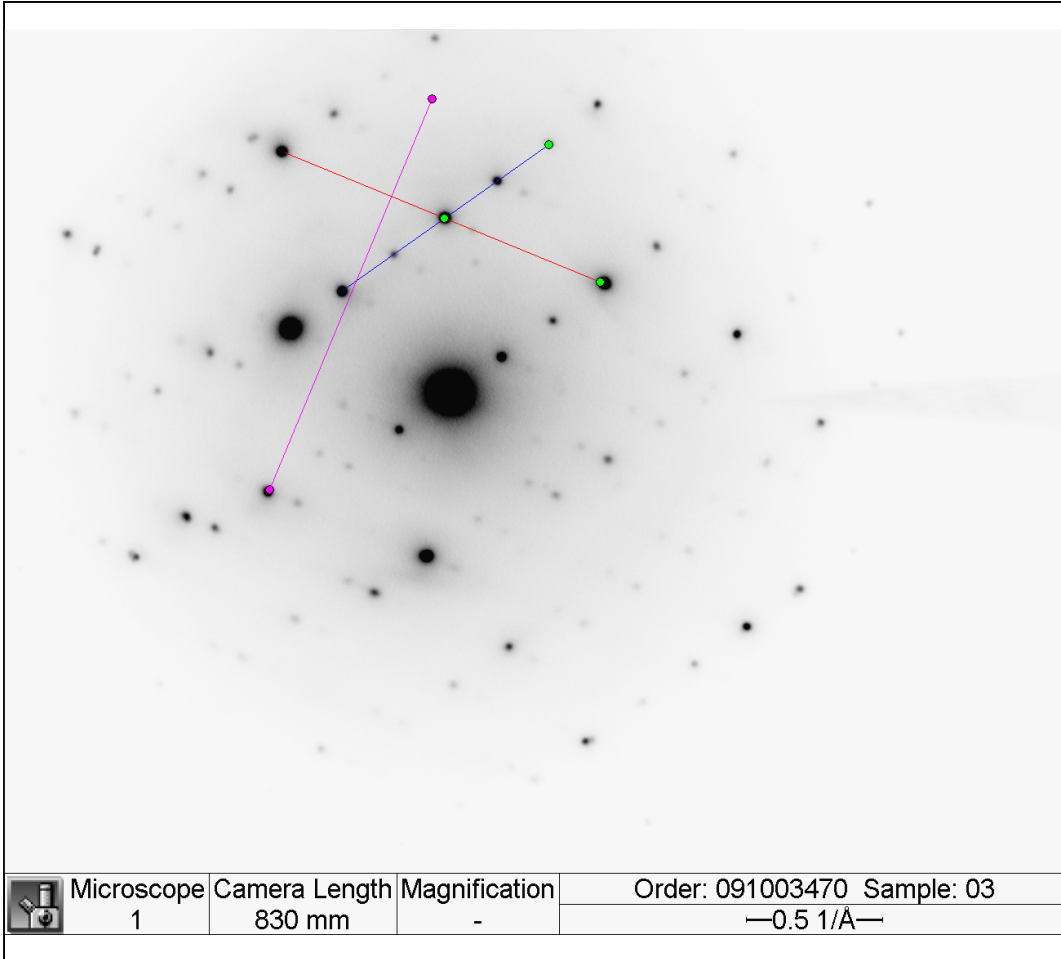
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Order ID:	091003470
Image Number:	010292
Mineral Type:	NAM
Date:	6/12/2010
Magnification:	11000
Microscope:	1



EMSL ANALYTICAL, INC.

EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

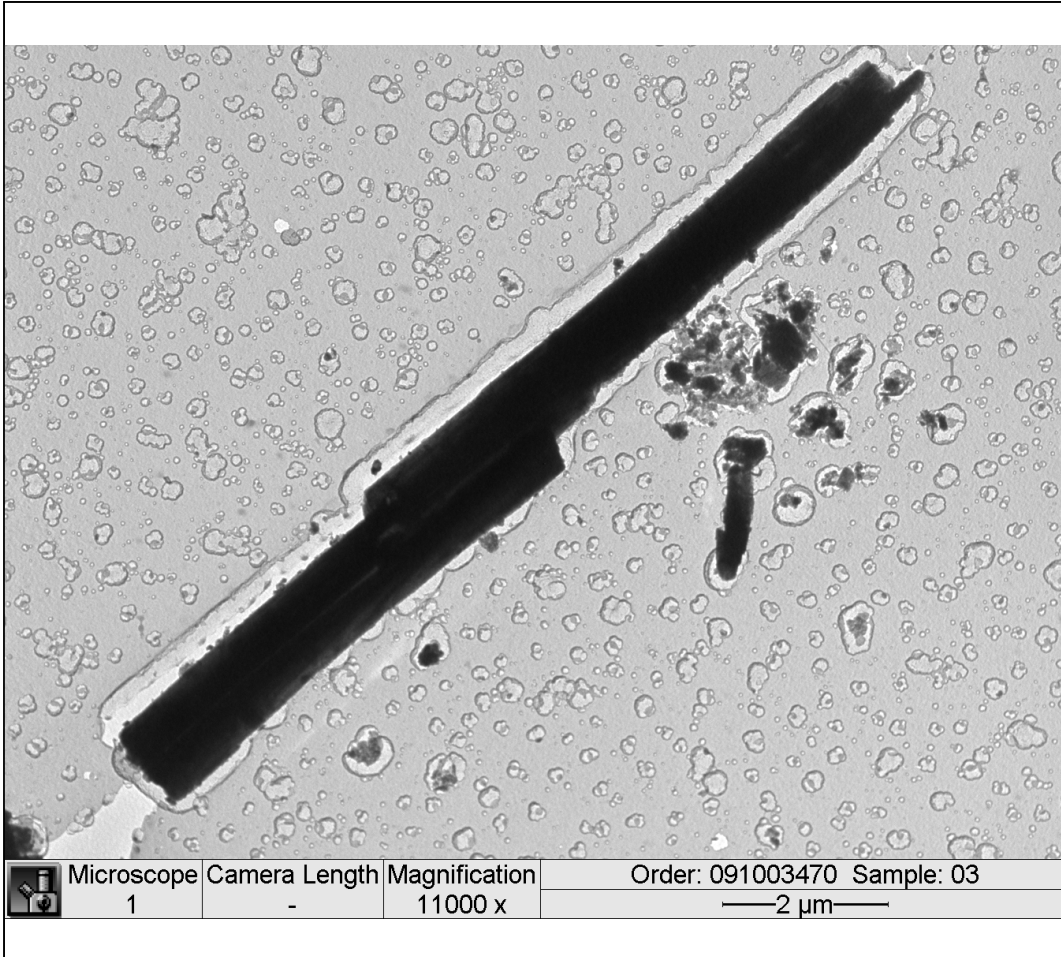
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Order ID:	091003470
Image Number:	010293
Mineral Type:	ACTINOLITE
Date:	6/12/2010
Magnification:	19000
Microscope:	1



EMSL ANALYTICAL, INC.

EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

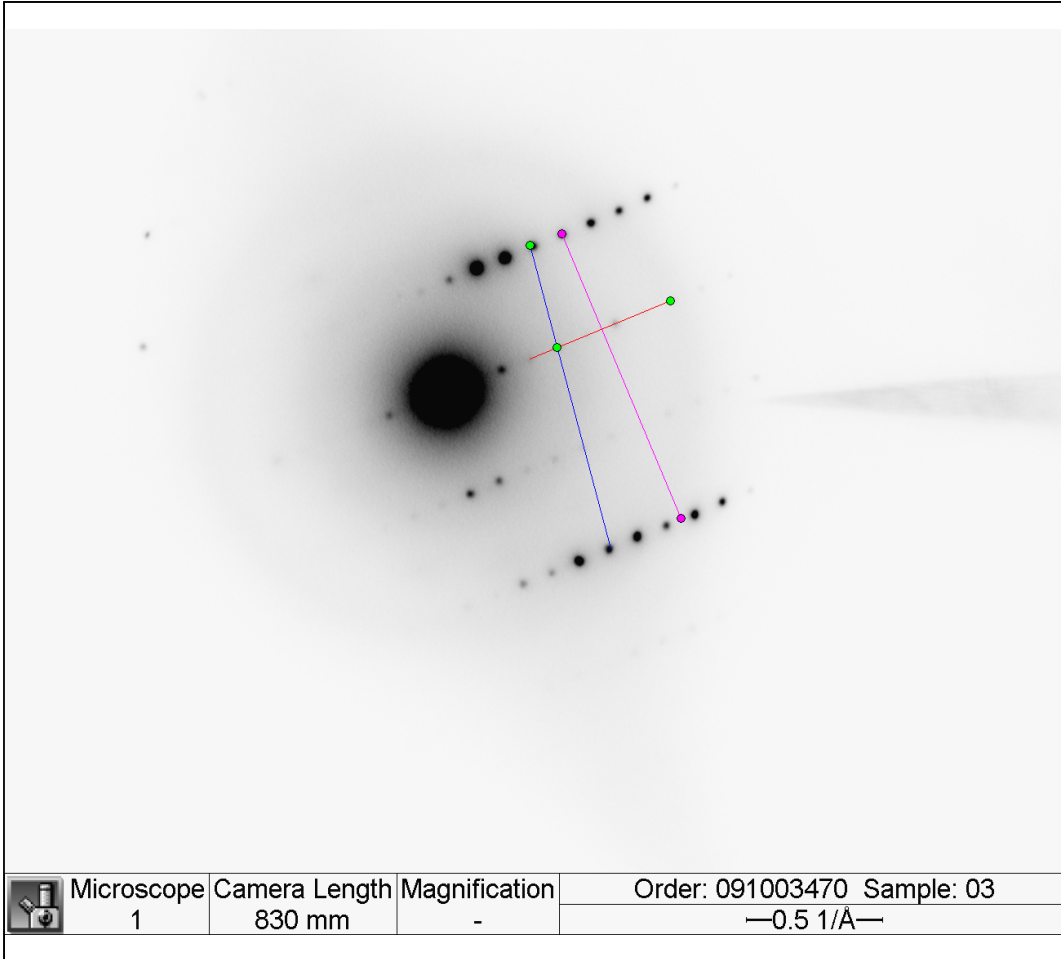
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Order ID:	091003470
Image Number:	010294
Mineral Type:	ACTINOLITE
Date:	6/12/2010
Magnification:	11000
Microscope:	1



EMSL ANALYTICAL, INC.

EMSL Analytical, Inc.

Photomicrograph Report



Micrograph Information

Sample ID:	03
Order ID:	091003470
Image Number:	010295
Mineral Type:	ACTINOLITE
Date:	6/12/2010
Magnification:	19000
Microscope:	1



EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

Client:	Derrick Willis, Tronox LLC - Henderson				
EMSL Sample ID:	091003470-0009	GO area (mm ²):	0.013	Scope:	0402
Customer Sample:	SSAP7-01-0.00BPC	Grid Box :	0410-Elutriator-11: E	Mag.	19,000
		Pore Size (micron):	0.2	Analyst(s):	F Craig
Project ID:	2027.01 / 2027.001.2118, Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV			Analysis Date:	06/14/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
E5	J1	None Detected								
E5	J5	None Detected								
E5	J7	None Detected								
E5	J9	None Detected								
E5	I10	None Detected								
E5	I8	None Detected								
E5	I6	None Detected								
E5	I4	None Detected								
E5	I2	None Detected								
E5	H1	None Detected								
E5	H3	None Detected								
E5	H5	None Detected								
E5	H7	None Detected								
E5	H9	None Detected								
E5	G10	None Detected								
E5	G8	None Detected								
E5	G6	None Detected								
E5	G4	None Detected								
E5	G2	None Detected								
E5	F3	None Detected								
E5	F5	None Detected								
E5	F7	None Detected								
E5	F9	None Detected								
E5	E10	None Detected								
E5	E8	None Detected								
E5	E4	None Detected								
E5	E2	None Detected								
E5	D3	None Detected								
E5	D5	None Detected								
E5	D7	None Detected								
E5	D9	None Detected								
E5	C10	None Detected								
E5	C8	None Detected								
E5	C6	None Detected								
E5	C4	None Detected								

107 Haddon Avenue, Westmont, NJ 08108

Phone: (800) 220-3675

Fax: (856) 858-1292

Email: WestmontAsbLab@emsl.com



EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

EMSL Sample ID:	091003470-0009
Customer Sample:	SSAP7-01-0.00BPC

Analyzed By:	F Craig
Analysis Date:	06/14/2010

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
E5	C2	None Detected								
E5	B1	None Detected								
E5	B3	None Detected								
E5	B5	None Detected								
E5	B7	None Detected								
E5	B9	None Detected								
E5	A10	None Detected								
E5	A8	None Detected								
E5	A6	None Detected								
E5	A4	None Detected								
E5	A2	None Detected								
E6	A2	None Detected								
E6	A6	None Detected								
E6	B9	None Detected								
E6	B7	None Detected								
E6	B5	None Detected								
E6	B3	None Detected								
E6	C2	None Detected								
E6	C4	None Detected								
E6	C6	None Detected								
E6	C8	None Detected								
E6	C10	None Detected								
E6	D9	None Detected								
E6	D7	None Detected								
E6	D5	None Detected								
E6	D3	None Detected								
E6	F3	None Detected								
E6	F5	None Detected								
E6	G4	None Detected								
E6	G2	None Detected								
E6	H3	None Detected								
E6	H5	None Detected								



EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

Client: Derrick Willis, Tronox LLC - Henderson					
EMSL Sample ID:	091003470-0011	GO area (mm ²):	0.0131	Scope:	22-1
Customer Sample:	SA58-0.33BPC	Grid Box :	22-10-ELUT-01: A6-A10	Mag:	10-20k
		Pore Size (micron):	0.2	Analyst(s):	E. Orthun
Project ID:	2027.01 / 2027.001.2118 Tronox LLC Henderson, 560 W. Lake Mead Dr., Henderson, NV			Analysis Date:	5/6/10-5/10/10

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
A6	H9	None Detected								
A6	H7	None Detected								
A6	H2	None Detected								
A6	F9	None Detected								
A6	F7	None Detected								
A6	F5	None Detected								
A6	F3	None Detected								
A6	D9	None Detected								
A6	D7	None Detected								
A6	D5	None Detected								
A6	D3	None Detected								
A6	B3	None Detected								
A6	B5	MD11	1		6.5	0.2	CD	Chrysotile		
A6	B5	MF1		1	6.5	0.2	CD	Chrysotile	287	
A6	B7	None Detected								
A6	B9	None Detected								
A7	I8	None Detected								
A7	I6	None Detected								
A7	I4	None Detected								
A7	I2	None Detected								
A7	G8	None Detected								
A7	G6	None Detected								
A7	G4	None Detected								
A7	G2	None Detected								
A7	E9	None Detected								
A7	E7	None Detected								
A7	E5	None Detected								
A7	E3	None Detected								
A7	C9	None Detected								
A7	C7	None Detected								
A7	C5	None Detected								
A7	C3	None Detected								
A7	A3	None Detected								
A7	A5	None Detected								
A7	A7	None Detected								

7330 S. Alton Way, Building 12, Suite A, Centennial, CO 80112

Phone: (303) 740-5700

Fax: (303) 741-1400

Email: DenverLab@emsl.com



EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
(Revision 1)

Bench Sheet Data

EMSL Sample ID:	091003470-0011
Customer Sample:	SA58-0.33BPC

Analyzed By:	E. Orthun
Analysis Date:	5/6/10-5/10/10

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
A7	A9	None Detected								
A8	J10	None Detected								
A8	J8	None Detected								
A8	J6	None Detected								
A8	J4	None Detected								
A8	J2	None Detected								
A8	H10	None Detected								
A8	E10	None Detected								
A8	C9	None Detected								
A8	C7	None Detected								
A8	C5	None Detected								
A8	C3	None Detected								
A8	A9	None Detected								
A8	A7	None Detected								
A8	A5	None Detected								
A8	A3	None Detected								
A9	A2	None Detected								
A9	A4	None Detected								
A9	A6	None Detected								
A9	A8	None Detected								
A9	C3	None Detected								
A9	C5	None Detected								
A9	C7	None Detected								
A9	C9	None Detected								
A9	E2	None Detected								
A9	E4	None Detected								
A9	E6	None Detected								
A9	E8	None Detected								
A9	H2	None Detected								
A9	H4	None Detected								
A9	H6	None Detected								
A9	H8	None Detected								
A9	H10	None Detected								
A10	A2	None Detected								
A10	A4	None Detected								
A10	A6	None Detected								
A10	A8	None Detected								

7330 S. Alton Way, Building 12, Suite A, Centennial, CO 80112

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Email: DenverLab@emsl.com



EPA 540-R-97-028 -Superfund Method

Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method
 (Revision 1)
 Bench Sheet Data

EMSL Sample ID:	091003470-0011
Customer Sample:	SA58-0.33BPC

Analyzed By:	E. Orthun
Analysis Date:	5/6/10-5/10/10

Grid ID	Grid Opening	Structure Type	Structure Number		Dimensions (µm)		Level of ID	Mineral Type	Image Number	Structure Comments
			Primary	Total	Length	Width				
A10	A10	None Detected								
A10	C3	None Detected								
A10	C5	None Detected								
A10	C7	None Detected								
A10	G2	None Detected								
A10	G4	None Detected								
A10	G6	None Detected								



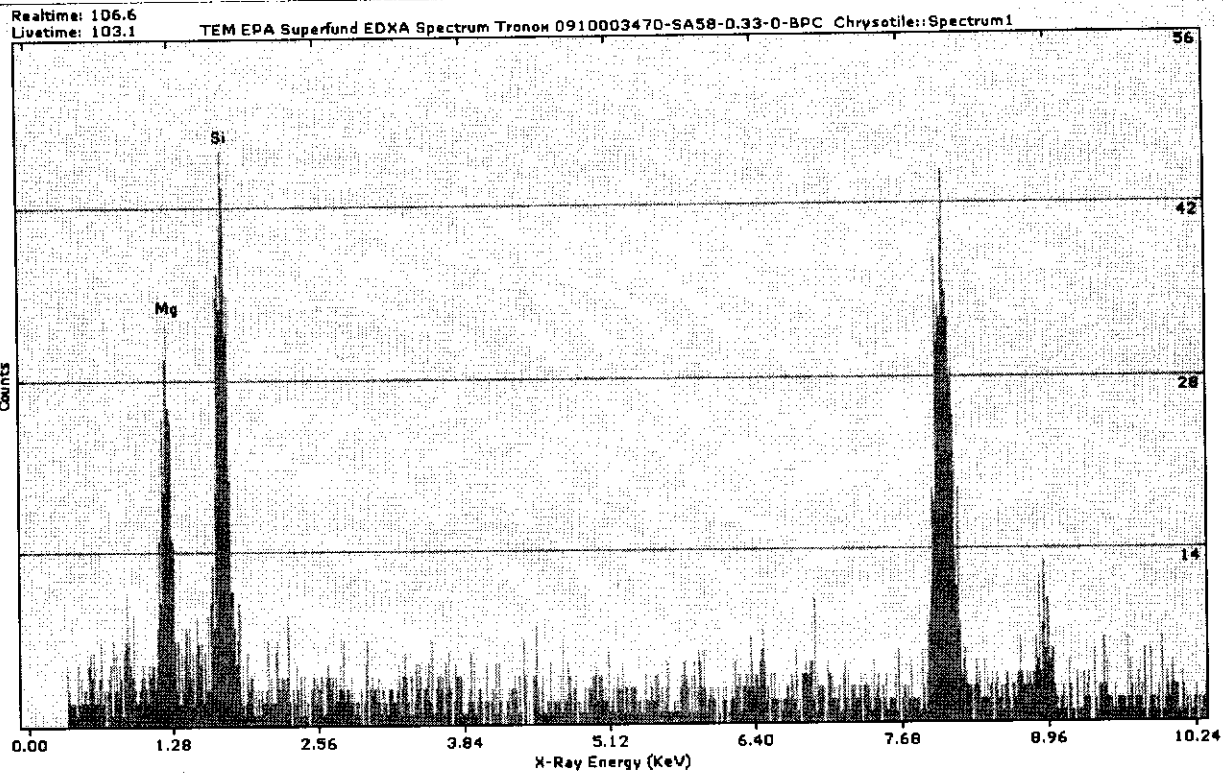
EPA 540-R-97-028 -Superfund Method
 Draft Modified Elutriator Method for the Determination of Asbestos in Soils
 and Bulk Material Method (Revision 1)
 Structure Sketch Sheet for Direct Data Entry

EMSL Order ID: 091003470-0011
 Client Sample: SA58-0.33-0BPC

Client: Tronox LLC - Henderson
 Page 1 of 1

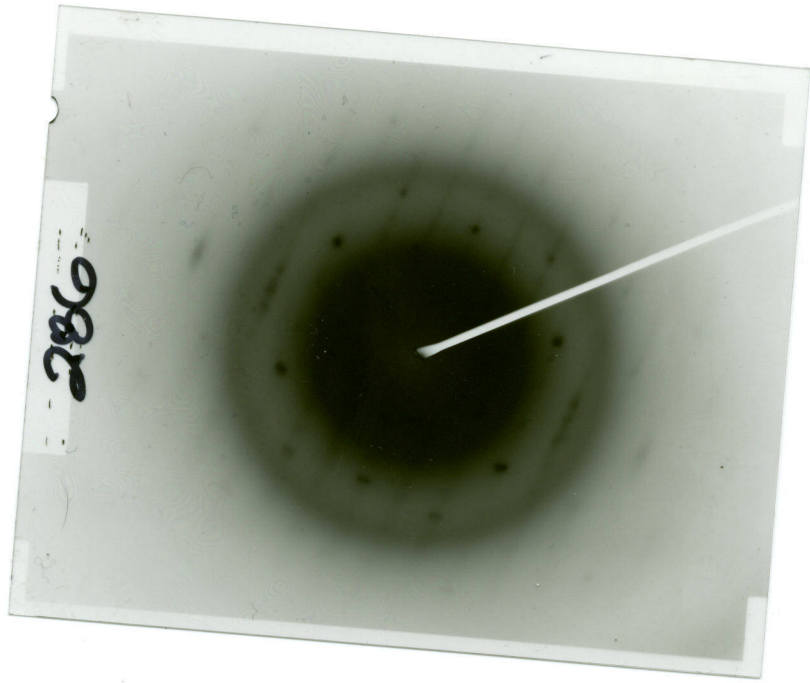
Primary Structure # 	Primary Structure # 	Primary Structure # 	Primary Structure #
Primary Structure # 	Primary Structure # 	Primary Structure # 	Primary Structure #
Primary Structure # 	Primary Structure # 	Primary Structure # 	Primary Structure #
Primary Structure # 	Primary Structure # 	Primary Structure # 	Primary Structure #
Structure # 	Structure # 	Structure # 	Structure #

Analyst: E. O'Neil Date: 5/6/2010 Scope: 22-01



Qualitative Results for Spectrum 1
 Analysis: Peak Method: Manual
 Acquired 06-May-2010, 100.0 KeV @ 10 eV/channel

Peak (KeV)	Element	Intensities	FWHM (eV)	ROI (gross)
1.244	Mg Ka1	7.2	105.92	19.44
1.735	Si Ka1	74.3	111.30	216.52





1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 4
Cooler # _____

COC # **2027.001.213**
Total # of Samples: 1
Event Complete?

Required Ship to Lab:

Lab Name: EMSL Analytical, Inc
Address: 200 Route 130 North
City: Channahon, NJ 08017

Required Project Information:
Site ID #102: TROMOX LLC, HENDERSON
Project #: 2027.01
Site Address: 560 W Lake Mead Drive
City: Henderson State, Zip: NV, 89009

Required Invoice Information:
Send Invoice to: Susan Crowley Tromox LLC.
Address: PO Box 55
City/State: Henderson, NV 89009
Phone #: (949) 260-9293

Analysis: Preservative: Filtered:
Regular: Rush: Mark One:
15-Day Hold

Lab PM: Stephen Siegel Phone/Fax: 856-303-2555
Lab PM email: ssiege@emsl.com
Applicable Lab Quote #: _____
Site PM Name: Derrick Willis
Site PM Email: derrick.willis@ngem.com
Send EDD to: Frank.Hagar@ngem.com
CC Hardcopy report to: PDF Electronic Version Only - FTP Upload
CC Hardcopy report to: See Additional Comments Below

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.
SSA06-01-0.00 BPC	SSA06-01	50	C	N	4/14/10	0920	3		
SSA06-01-0.33 BPC	SSA06-01	50	C	N	4/14/10	0920	3		
SSA06-03-0.00 BPC	SSA06-03	50	C	N	4/14/10	0815	3		
SSA06-03-0.33 BPC	SSA06-03	50	C	N	4/14/10	0825	3		
SSA06-02-0.00 BPC	SSA06-02	50	C	N	4/14/10	0845	3		
SSA06-02-0.33 BPC	SSA06-02	50	C	N	4/14/10	0800	3		
SSA08-02-0.00 BPC	SSA08-02	50	C	N	4/14/10	0955	3		
SSA08-02-0.33 BPC	SSA08-02	50	C	N	4/14/10	1015	3		
SSAP4-01-0.00 BPC	SSAP4-01	50	C	N	4/14/10	1040	3		
SSAP4-01-0.33 BPC	SSAP4-01	50	C	N	4/14/10	1055	3		
SA58-0.33 BPC	SA58	50	C	N	4/14/10	1140	3		

Note this was activated on 5/13

Additional Comments/Special Instructions:
**Revised by Joni Fisher - NGENM,
Please cancel sample
SSA06-02-0.00BPC, it was re-
sampled at a later date with a FD**

REINQUISHED BY / AFFILIATION: _____ DATE TIME: 4/14/10 1420
ACCEPTED BY / AFFILIATION: _____ DATE TIME: _____
FRONT NAME OF SAMPLER: _____ SIGNATURE OF SAMPLER: _____ DATE SIGNED: _____
SAMPLER NAME AND SIGNATURE: _____
SHIPPING INFO: _____

Temp in OC: _____ Samples on Ice?: Y/N Sample intact?: Y/N Trip Blank?: Y/N

Lanzing, Terri

From: Joni L. Fisher [joni.fisher@ngem.com]
Sent: Thursday, May 13, 2010 10:21 PM
To: Kocher, Daniel
Cc: Lanzing, Terri; frank.hagar@ngem.com; 'Cindy Arnold'; 'Vivian Willis'; 'derrick.willis'
Subject: Emailing: 02027.01.2113 EMSL Activ-1.pdf
Attachments: 02027.01.2113 EMSL Activ-1.pdf

Daniel,

Please analyze SSA06-01-0.33BPC with a 5-day TAT. This is your number 091003470-0002. The activated COC is attached.

Best regards,



Joni L. Fisher, P.G.
Associate Geologist

Northgate Environmental Management, Inc.

1100 Quail Street, Suite 102, Newport Beach, CA 92660
cell (949) 310-6024; fax (949) 209-4221; home (949) 498-7056
<http://www.ngem.com>



Certified Bay Area Green Business

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environmental management, inc.

1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Required Ship to Lab:

Required Project Information:

Required Invoice Information:

COC # 2017-001-218

Total # of Samples: 1

Event Complete?

Lab Name: EMSL Analytical, Inc	Site ID #: 102	TRONOX LLC, HENDERSON	Send Invoice to: Susan Crowley Tronox LLC.	
Address: 200 Route 130 North	Project #	2027.01	Address: PO Box 55	
City: Channahon, NJ 08017	Site Address	560 W Lake Mead Drive	City/State: Henderson, NV 89009	
Lab PM: Stephen Siegel	City	Henderson	State, Zip	NV, 89009
Phone/Fax: 856-303-2555	Site PM Name	Derrick Willis	Send EDD to: Frank.Hagar@ngem.com	
Lab PM email: ssiege@emsl.com	Phone/Fax:	(949)375-7004	CC Hardcopy report to: PDF Electronic Version Only - FTP Upload	
Applicable Lab Quote #:	Site PM Email:	derrick.willis@ngem.com	CC Hardcopy report to: See Additional Comments Below	

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Analysis	Preservative	Filtered	Regular	Rush	Mark One
SSAO6-01-0.00 BPC	SSAO6-01-0.00 BPC	SSAO6-01-0.00 BPC	50	C	N	4/14/10	0920	3		X					
SSAO6-03-0.33 BPC	SSAO6-03-0.33 BPC	SSAO6-03-0.33 BPC	50	C	N	4/14/10	0815	3		X					
SSAO6-03-0.33 BPC	SSAO6-03-0.33 BPC	SSAO6-03-0.33 BPC	50	C	N	4/14/10	0825	3		X					
SSAO6-02-0.00 BPC	SSAO6-02-0.00 BPC	SSAO6-02-0.00 BPC	50	C	N	4/14/10	0845	3		X					
SSAO6-02-0.33 BPC	SSAO6-02-0.33 BPC	SSAO6-02-0.33 BPC	50	C	N	4/14/10	0800	3		X					
SSAO6-02-0.00 BPC	SSAO6-02-0.00 BPC	SSAO6-02-0.00 BPC	50	C	N	4/14/10	0955	3		X					
SSAO6-02-0.33 BPC	SSAO6-02-0.33 BPC	SSAO6-02-0.33 BPC	50	C	N	4/14/10	1015	3		X					
SSAP4-01-0.00 BPC	SSAP4-01-0.00 BPC	SSAP4-01-0.00 BPC	50	C	N	4/14/10	1040	3		X					
SSAP4-01-0.33 BPC	SSAP4-01-0.33 BPC	SSAP4-01-0.33 BPC	50	C	N	4/14/10	1055	3		X					
SSA58-0.33 BPC	SSA58	SSA58	50	C	N	4/14/10	1140	3		X					

Please analyze SSAO6-01-0.33BPC with a 5-d TAT

Requested by Joni Fisher
NGEM 5/13/2010

Additional Comments/Special Instructions:

REINQUISHED BY / AFFILIATION

DATE TIME ACCEPTED BY / AFFILIATION

DATE TIME

Sample Receipt Conditions

SHIPPING INFO

FRONT NAME OF SAMPLER

DATE

Temp in OC

Samples on Ice?

Sample intact?

Trip Blank?

SAMPLER NAME AND SIGNATURE

DATE SIGNED

TIME

[Signature]

4/14/10 1420

Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N
Y/N	Y/N	Y/N	Y/N

Regular	X	Rush		Mark One
Filtered				
Preservative				
Analysis				

15-Day Hold

A36-510 540-R-94-020

environmental management, inc.
 1100 Quail Street, Suite 102
 Newport Beach, CA 92660 (949) 260-9293

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Requested Ship to Lab: **EMSL Analytical, Inc** Required Project Information: Site ID #102 **TRONOX LLC, HENDERSON** Required Invoice Information: Send Invoice to: **Susan Crowley Tronox LLC.**

Address: **200 Route 130 North** Project # **2027.01** Site Address: **560 W Lake Mead Drive** City/State: **Henderson, NV 89009** Address: **PO Box 55** City/State: **Henderson, NV 89009** Phone #: **(949) 260-9293**

Lab PM: **Stephen Siegel** City: **Henderson** State, Zip: **NV, 89009** PO #

Phone/Fax: **856-303-2555** Site PM Name: **Derrick Willis** Send EDD to: **Frank.Hagar@ngem.com**

Lab PM email: **ssiege@emsl.com** Phone/Fax: **(949)375-7004** CC Hardcopy report to: **PDF Electronic Version Only -- FTP Upload**

Applicable Lab Quote #: Site PM Email: **derrick.willis@ngem.com** CC Hardcopy report to: **See Additional Comments Below**

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB	SAMPL	SAMPL	SAMPL	#OF CON	Analysis	Preservative	Filtered	Regular	Rush	Mark One
	SSA06-01-0.00 BPC	SSA06-01	50	C	N	41410	0920	3	X					
	SSA06-01-0.33 BPC	SSA06-01	50	C	N	41410	0920	3	X					
	SSA06-03-0.00 BPC	SSA06-03	50	C	N	41410	0815	3	X					
	SSA06-03-0.33 BPC	SSA06-03	50	C	N	41410	0825	3	X					
	SSA06-07-0.00 BPC	SSA06-07	50	C	N	41410	0845	3	X					
	SSA06-07-0.33 BPC	SSA06-07	50	C	N	41410	0800	3	X					
	SSA06-02-0.00 BPC	SSA06-02	50	C	N	41410	0955	3	X					
	SSA06-02-0.33 BPC	SSA06-02	50	C	N	41410	1015	3	X					
	SSAP4-01-0.00 BPC	SSAP4-01	50	C	N	41410	1040	3	X					
	SSAP4-01-0.33 BPC	SSAP4-01	50	C	N	41410	1055	3	X					
	SA58-0.33 BPC	SA58	50	C	N	41410	1140	3	X					

Please analyze SSA06-01-0.33BPC with a 5-d TAT previously requested on 5/13/2010

Please analyze SSA06-03-0.33BPC with a 10-day TAT

Requested by Joni Fisher
 NGEM 6/16/2010 for
 analysis of
 SSA06-03-0.33BPC

REINQUISHED BY / AFFILIATION: _____ DATE TIME ACCEPTED BY / AFFILIATION: _____ DATE TIME

Signature DATE TIME: 4/14/10 1420

SHIPPING INFO: _____
 FRONT NAME OF SAMPLER: _____
 SIGNATURE OF SAMPLER: _____
 SAMPLER NAME AND SIGNATURE: _____
 DATE SIGNED: _____
 TIME: _____

Sample Receipt Conditions	
Temp in OC	Y/N
Samples on Ice?	Y/N
Sample intact?	Y/N
Trip Blank?	Y/N