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Attn: Derrick Wills
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Project: Tronox LLX Henderson, 560 W. Lake Mead Dr.,
 Henderson, NV/2027.001

Customer ID: TRNX26
 Customer PO: 2027.001
 Received: 5/19/2010 10:08AM
 EMS LAB No: 137820
 Date Prepared: 6/4/2010 1:00PM
 Analysis Date: 6/7/2010 10AM

Report Date: July 21, 2010

Date Sampled: 5/11/2010 8:53

NIOSH 7402/ISO

DRAFT, MODIFIED ELUTRIATOR METHOD FOR THE DETERMINATION OF ASBESTOS IN SOILS AND BULK MATERIAL METHOD

EMS Laboratory Number:	137820	Mass of Respirable Dust on Fiber:	148
Customer Sample Number:	SSAR8-01-0.00BPC	Area of collection filter:	385 mm ²
Minimum Level of Analysis (chrysotile):	CD	Grid openings area:	0.0094 mm ²
Minimum Level of Analysis (amphibole):	ADX	Grid Openings Analyzed:	102
Magnification used for fiber counting:	9,200 x	Min. Str. Length/Max Str. Diameter:	>5/<0.4 microns
Aspect ratio for fiber definition:	3:1		

Analyst(s): Radha Singh

Dust Generator - Total Dried Sample Weight-77.8g	Soil % Moisture	2.2 %
Not Used	Air Flow Rate Through ME Opening of Dust Generator:	1370
Used in Tumbler	Air Flow Rate Through IST Opening of Dust Generator:	130
	Estimate Total Air Flow Through Elutriator:	1500

Analytical Sensitivity: 2.71E+06 Structure /g PM 10 Limit of Detection: 8.13E+06 Structure /g PM 10

Test For Uniformity (Chi-Square results)

Structure Class	Min ID Level Required	Counts		Poisson 95% Confidence Interval			
		Primary Str.	Total Str.	Density St/mm ²	Conc. Str/g PM10	Lower Limit Str/g PM10	Upper Limit Str/g PM10
Asbestos Structures >5um, ≤10um	ADX/CD	0	0	0	0	0	8.13E+06
Asbestos Structures >5um, ≤10um (Chrys)	CD	0	0	0	0	0	8.13E+06
Asbestos Structures >5um, ≤10um (Amph)	ADX	0	0	0	0	0	8.13E+06
Asbestos Structure >10um (Long)	ADX/CD	2	2	2.1	5.40E+06	0.65E+06	8.13E+06
Asbestos Structure >10um (Chrys)	CD	2	2	2.1	5.40E+06	0.65E+06	19.6E+06
Asbestos Structure >10um (Amph)	ADX	0	0	0	0	0	8.13E+06
Total Protocol Asbestos Structures	ADX/CD	2	2	2.1	5.40E+06	0.65E+06	8.13E+06
Protocol Asbestos Structures (Chrys)	CD	2	2	2.1	5.40E+06	0.65E+06	19.6E+06
Protocol Asbestos Structures (Amph)	ADX	0	0	0	0	0	8.13E+06
Total Protocol Non Asbestos Structures	NAM	0	0	0	0	0	8.13E+06


 Approved by Technical Director



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Customer ID: TRNX26
 Customer PO: 2027.001
 Received: 5/19/2010 10:08AM
 EMS LAB No: 137820
 Date Prepared: 6/15/2010 8AM
 Analysis Date: 6/16/2010 9AM

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NIOSH 7402/ISO

DRAFT, MODIFIED ELUTRIATOR METHOD FOR THE DETERMINATION OF ASBESTOS IN SOILS AND BULK MATERIAL METHOD

EMS Laboratory Number:	137820	Mass of Respirable Dust on Fiber:	170
Customer Sample Number:	SSAK5-04-0.00BPC_FD	Area of collection filter:	385 mm ²
Minimum Level of Analysis (chrysotile):	CD	Grid openings area:	0.0094 mm ²
Minimum Level of Analysis (amphibole):	ADX	Grid Openings Analyzed:	89
Magnification used for fiber counting:	9,200 x	Min. Str. Length/Max Str. Diameter:	>5/<0.4 microns
Aspect ratio for fiber definition:	3:1	Analyst(s):	Radha Singh

Dust Generator - Total Dried Sample Weight-76.1g	Soil % Moisture	2.4 %
Not Used	Air Flow Rate Through ME Opening of Dust Generator:	1370
Used in Tumbler	Air Flow Rate Through IST Opening of Dust Generator:	130
	Estimate Total Air Flow Through Elutriator:	1500

Analytical Sensitivity: 2.71E+06 Structure /g PM 10 Limit of Detection: 8.11E+06 Structure /g PM 10

Test For Uniformity (Chi-Square results)

Structure Class	Min ID Level Required	Counts		Density St/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	ADX/CD	0	0	0	0	0	8.11E+06
Asbestos Structures >5um, ≤10um (Chrys)	CD	0	0	0	0	0	8.11E+06
Asbestos Structures >5um, ≤10um (Amph)	ADX	0	0	0	0	0	8.11E+06
Asbestos Structure >10um (Long)	ADX/CD	1	1	1.2	2.71E+06	0.07E+06	8.11E+06
Asbestos Structure >10um (Chrys)	CD	0	0	0	0	0	8.11E+06
Asbestos Structure >10um (Amph)	ADX	1	1	1.2	2.71E+06	0.07E+06	15.1E+06
Total Protocol Asbestos Structures	ADX/CD	1	1	1.2	2.71E+06	0.07E+06	8.11E+06
Protocol Asbestos Structures (Chrys)	CD	0	0	0	0	0	8.11E+06
Protocol Asbestos Structures (Amph)	ADX	1	1	1.2	2.71E+06	0.07E+06	15.1E+06
Total Protocol Non Asbestos Structures	NAM	1	1	1.2	2.71E+06	0.07E+06	15.1E+06


 Approved by Technical Director