



EMS Laboratories Inc.
 117 West Bellevue Drive, Pasadena, CA 91105
 Phone: 626-568-4065 Fax: 626-796-5282
 Email: akolk@emslabs.com

Attn: Derrick Wills
 Tronox-LLC-Henderson
 PO Box 55
 Henderson, NV 89009

Customer ID: TRNX26
Customer PO: 2027.001
Received: 5/19/2010 10:05AM
EMS LAB No: 137821
Date Prepared: 6/28/2010 2:55PM
Analysis Date: 6/29-30/10 1:00PM

Phone: (947) 375-7004

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

Report Date:

Date Sampled: 5/12/2010 12:26pm

NIOSH 7402/ISO

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

EMS Laboratory Number:	137821	Mass of Respirable Dust on Fiber:	168	µg
Customer Sample Number:	SSAN7-03-0.00BPC_FD Amend	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:	99	
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-78.1g		Soil % Moisture	3.1	%
Not Used		Air Flow Rate Through ME Opening of Dust Generator:	1370	
Used in Tumbler		Air Flow Rate Through IST Opening of Dust Generator:	103	
		Estimate Total Air Flow Through Elutriator:	1473	

Analytical Sensitivity: 2.46E+06 Structure /g PM 10 Limit of Detection: 7.38E+06 Structure /g PM 10

Test For Uniformity (Chi-Square results)

(Note: Amended report per client request to reflect the EPA definition of greater than 10um and less than 0.4um)

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	ADX/CD	0	0	0	0	0	7.38E+06
Asbestos Structures >5um, ≤10um (Chrys)	CD	0	0	0	0	0	7.38E+06
Asbestos Structures >5um, ≤10um (Amph)	ADX	0	0	0	0	0	7.38E+06
Asbestos Structure >10um (Long)	ADX/CD	0	0	0	0	0	7.38E+06
Asbestos Structure >10um (Chrys)	CD	0	0	0	0	0	7.38E+06
Asbestos Structure >10um (Amph)	ADX	0	0	0	0	0	7.38E+06
Total Protocol Asbestos Structures	ADX/CD	0	0	0	0	0	7.38E+06
Protocol Asbestos Structures (Chrys)	CD	0	0	0	0	0	7.38E+06
Protocol Asbestos Structures (Amph)	ADX	0	0	0	0	0	7.38E+06
Total Protocol Non Asbestos Structures	NAM	0	0	0	0	0	7.38E+06

Radha Singh
 Approved by Technical Director