Basic Environmental
COMPANY

MEMORANDUM

To: Shannon Harbour (NDEP)

From: Ranajit Sahu (BEC)

cc: Brian Rakvica (NDEP)
Jim Najima (NDEP)
Teri Copeland
Paul Black (Neptune and Co.)

Date: January 9, 2008

Subject: Asbestos Data Review for 2007 Tronox Parcels A/B Investigation, BMI Industrial Complex, Clark County, Nevada

Results of the initial Phase 2 soil investigation performed for the Tronox Parcels "A" and "B" (portions of APN Nos. 178-01-401-001, 178-12-101-002, 178-12-201-006, and 178-12-601-005) indicated the presence of both chrysotile and amphibole long (protocol) asbestos fibers. The asbestos analytical results from the initial round of sampling at the Site are presented below.

Sample ID	Long Protocol Asbestos Fibers	Mean Concentration	95% UCL Concentration	Analytical Sensitivity	Excavated?
Initial Sampling Event (Pre-Remedation)					
Amphibole					
TSB-AJ-01	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	
TSB-AJ-01-FD	0	< 2.961 E+6	< 1.093 E+7	2.961 E+6	
TSB-AJ-02	0	< 2.901 E+6	< 1.071 E+7	2.901 E+6	
TSB-AJ-03	1	2.957 E+6	1.647 E+7	2.901 E+6	Yes
TSB-AR-01	0	< 2.991 E+6	< 1.104 E+7	2.991 E+6	
TSB-AR-02	0	< 2.976 E+6	< 1.098 E+7	2.976 E+6	
TSB-AR-03	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	
TSB-AR-04	0	< 2.985 E+6	< 1.101 E+7	2.985 E+6	
TSB-AR-05	0	< 2.976 E+6	< 1.098 E+7	2.976 E+6	
TSB-AR-06	1	2.992 E+6	1.667 E+7	2.992 E+6	Yes
TSB-AR-07	0	< 2.976 E+6	< 1.098 E+7	2.976 E+6	
TSB-AR-08	4	1.188 E+7	1.655 E+7	2.976 E+6	Yes
TSB-AR-09	1	2.991 E+6	1.666 E+7	2.991 E+6	Yes
TSB-AR-10	1	2.975 E+6	1.657 E+7	2.991 E+6	Yes
TSB-AR-11	0	< 2.975 E+6	< 1.098 E+7	2.975 E+6	Yes
TSB-AR-12	1	2.998 E+6	1.670 E+7	2.998 E+6	Yes
TSB-AR-13	1	2.986 E+6	1.663 E+7	2.998 E+6	Yes
TSB-AR-14	2	5.920 E+6	2.137 E+7	2.986 E+6	Yes
TSB-BJ-01	0	< 3.205 E+6	< 1.183 E+7	2.960 E+6	Yes
TSB-BJ-02	0	< 2.959 E+6	< 1.092 E+7	3.205 E+6	Yes

Sample ID	Long Protocol Asbestos Fibers	Mean Concentration	95% UCL Concentration	Analytical Sensitivity	Excavated?
Initial Sampling Event (Pre-Remedation)					
TSB-BJ-02 FD	1	2.988 E+6	1.664 E+7	2.959 E+6	Yes
TSB-BJ-03	0	< 2.963 E+6	< 1.093 E+7	2.988 E+6	
TSB-BJ-04	0	< 2.986 E+6	< 1.102 E+7	2.963 E+6	
TSB-BJ-05	0	< 2.745 E+6	< 1.013 E+7	2.986 E+6	
TSB-BJ-06	0	< 2.978 E+6	< 1.099 E+7	2.745 E+6	
TSB-BR-01	0	< 2.762 E+6	< 1.019 E+7	2.978 E+6	
TSB-BR-02	0	< 2.991 E+6	< 1.104 E+7	2.762 E+6	
TSB-BR-03	0	< 2.988 E+6	< 1.103 E+7	2.991 E+6	
TSB-BR-04	0	< 2.958 E+6	< 1.092 E+7	2.988 E+6	
TSB-BR-05	1	2.991 E+6	1.666 E+7	2.958 E+6	Yes
TSB-BR-06	0	< 2.987 E+6	< 1.102 E+7	2.958 E+6	
Chrysotile					
TSB-AJ-01	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	
TSB-AJ-01-FD	0	< 2.961 E+6	< 1.093 E+7	2.961 E+6	
TSB-AJ-02	0	< 2.901 E+6	< 1.071 E+7	2.901 E+6	
TSB-AJ-03	2	5.913 E+6	2.135 E+7	2.901 E+6	Yes
TSB-AR-01	0	< 2.991 E+6	< 1.104 E+7	2.991 E+6	
TSB-AR-02	1	2.976 E+6	1.658 E+7	2.976 E+6	
TSB-AR-03	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	
TSB-AR-04	0	< 2.985 E+6	< 1.101 E+7	2.985 E+6	
TSB-AR-05	3	8.929 E+6	2.607 E+7	2.976 E+6	
TSB-AR-06	0	< 2.992 E+6	< 1.104 E+7	2.992 E+6	Yes
TSB-AR-07	0	< 2.976 E+6	< 1.098 E+7	2.976 E+6	
TSB-AR-08	6	1.783 E+7	2.145 E+7	2.976 E+6	Yes
TSB-AR-09	0	< 2.991 E+6	< 1.104 E+7	2.991 E+6	Yes
TSB-AR-10	0	< 2.975 E+6	< 1.098 E+7	2.975 E+6	Yes
TSB-AR-11	8	2.380 E+7	4.688 E+7	2.975 E+6	Yes
TSB-AR-12	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	Yes
TSB-AR-13	1	2.986 E+6	1.663 E+7	2.998 E+6	Yes
TSB-AR-14	2	5.920 E+6	2.137 E+7	2.960 E+6	Yes
TSB-BJ-01	19	6.090 E+7	9.512 E+7	2.960 E+6	Yes
TSB-BJ-02	5	1.480 E+7	3.447 E+7	2.959 E+6	Yes
TSB-BJ-02 FD	9	2.689 E+7	5.104 E+7	2.959 E+6	Yes
TSB-BJ-03	0	< 2.963 E+6	< 1.093 E+7	2.988 E+6	
TSB-BJ-04	0	< 2.986 E+6	< 1.102 E+7	2.963 E+6	
TSB-BJ-05	3	8.236 E+6	2.405 E+7	2.745 E+6	
TSB-BJ-06	0	< 2.978 E+6	< 1.099 E+7	2.745 E+6	
TSB-BR-01	0	< 2.762 E+6	< 1.019 E+7	2.978 E+6	
TSB-BR-02	0	< 2.991 E+6	< 1.104 E+7	2.762 E+6	
TSB-BR-03	0	< 2.988 E+6	< 1.103 E+7	2.991 E+6	
TSB-BR-04	2	5.917 E+6	2.136 E+7	2.988 E+6	
TSB-BR-05	3	8.974 E+6	2.621 E+7	2.958 E+6	Yes
TSB-BR-06	0	< 2.987 E+6	< 1.102 E+7	2.958 E+6	

Following this initial round of sampling, surface soil (4 to 6 inches) from several areas of the property, around sample locations TSB-AJ-03, TSB-AR-06, TSB-AR-08, TSB-AR-09, TSB-AR-10, TSB-AR-12, TSB-AR-13, TSB-AR-14, TSB-BJ-02, TSB-BR-05 was scraped and removed (see Figure 1). Post-scrape samples were collected and analyzed for asbestos from 10 locations within these areas. Based on this, the original surface sample data for asbestos from these locations were removed from further evaluation and the re-sampled asbestos results were used instead. The asbestos analytical results from this second round of sampling at the Site are presented below.

Sample ID	Long Protocol Asbestos Fibers	Mean Concentration	95% UCL Concentration	Analytical Sensitivity	Excavated?
First Post-Scrape Sampling Event					
Amphibole					
TSB-AJ-03-PS	0	< 1.797 E+6	< 6.632 E+6	1.797 E+6	
TSB-AR-06-PS	0	< 2.979 E+6	< 1.099 E+7	2.979 E+6	
TSB-AR-08-PS	0	< 2.493 E+6	< 1.106 E+7	2.493 E+6	
TSB-AR-09-PS	0	< 2.980 E+6	< 1.100 E+7	2.849 E+6	
TSB-AR-10-PS	0	< 2.849 E+6	< 1.051 E+7	2.849 E+6	
TSB-AR-12-PS	0	< 2.991 E+6	< 1.104 E+7	2.849 E+6	
TSB-AR-13-PS	0	< 2.993 E+6	< 1.105 E+7	2.993 E+6	
TSB-AR-14-PS	0	< 2.921 E+6	< 1.078 E+7	2.921 E+6	
TSB-BJ-02-PS	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	
TSB-BR-05-PS	1	2.998 E+6	< 1.670 E+7	2.998 E+6	Yes
Chrysotile					
TSB-AJ-03-PS	0	< 1.797 E+6	< 6.632 E+6	1.797 E+6	
TSB-AR-06-PS	0	< 2.979 E+6	< 1.099 E+7	2.979 E+6	
TSB-AR-08-PS	0	< 2.493 E+6	< 1.106 E+7	2.493 E+6	
TSB-AR-09-PS	0	< 2.980 E+6	< 1.100 E+7	2.849 E+6	
TSB-AR-10-PS	0	< 2.849 E+6	< 1.051 E+7	2.849 E+6	
TSB-AR-12-PS	0	< 2.991 E+6	< 1.104 E+7	2.849 E+6	
TSB-AR-13-PS	0	< 2.993 E+6	< 1.105 E+7	2.993 E+6	
TSB-AR-14-PS	0	< 2.921 E+6	< 1.078 E+7	2.921 E+6	
TSB-BJ-02-PS	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	
TSB-BR-05-PS	0	< 2.998 E+6	< 1.106 E+7	2.998 E+6	Yes

A single long amphibole asbestos fiber was detected in sample TSB-BR-05-PS during this second round of sampling. Therefore, further scraping around this location was performed. In addition, sample locations TSB-AR-11 and TSB-BJ-01 contained 8 and 19 long chrysotile asbestos fibers, respectively. Therefore, further scraping around these locations was also performed. Final samples were collected from locations TSB-BR-05, TSB-AR-11, and TSB-BJ-01 following the second and third scrapings. Figure 1 shows all areas of surface soil

that were scraped and removed. The asbestos analytical results from this final round of sampling at the Site are presented below.

Sample ID	Long Protocol Asbestos Fibers	Mean Concentration	95% UCL Concentration	Analytical Sensitivity	Excavated?
Second and Third Post-Scrape Sampling Event					
Amphibole					
TSB-BR-05-PS2	0	< 2.993 E+6	< 1.104 E+7	2.993 E+6	
TSB-AR-11-PS	0	< 2.991 E+6	< 1.104 E+7	2.991 E+6	
TSB-BJ-01-PS	0	< 2.243 E+6	< 8.277 E+6	2.243 E+6	
Chrysotile					
TSB-BR-05-PS2	0	< 2.993 E+6	< 1.104 E+7	2.993 E+6	
TSB-AR-11-PS	0	< 2.991 E+6	< 1.104 E+7	2.991 E+6	
TSB-BJ-01-PS	0	< 2.243 E+6	< 8.277 E+6	2.243 E+6	

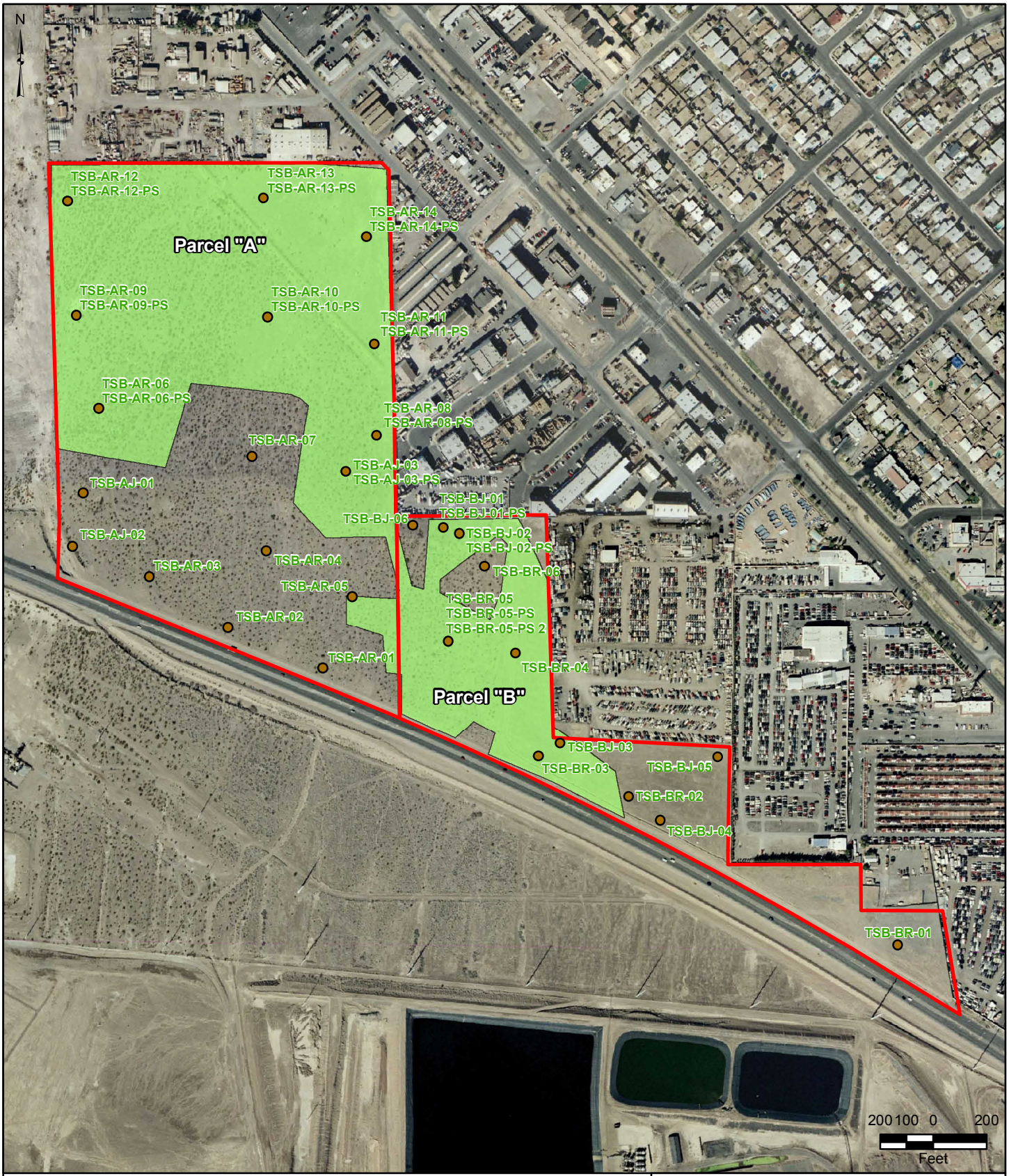
All the asbestos laboratory reports, both pre- and post-scrape samples, are included in Attachment A. Asbestos risk calculations based on the final post-scrape asbestos analytical results are presented in Table 1. The results of the asbestos risk calculations indicate that exposures to asbestos in soil at the property should not result in adverse health effects to all future on-site receptors. Based on the results of these final sampling events, all asbestos impacted soil at the Site has been remediated.

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Ranajit Sahu January 9, 2007

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009) Date
BRC Project Manager

FIGURES



Asbestos Sample Location

Remediated Areas*

*These areas have had a minimum of 4" of soil removed for remediation purposes.

February 2007 Aerial from AirPhotoUSA.

BEC / Tronox Parcels A/B Data Review
BMI Common Areas, Henderson, Nevada

FIGURE 1

ASBESTOS REMEDIATION AREAS

Basic Environmental COMPANY

Prepared by:	Date	JOB No. 0069073
MKJ	01/07/08	FILE: GIS/BEC/TRONOX/FIGURE_1.MXD

TABLES

TABLE 1
ASBESTOS SCREENING-LEVEL RISK ASSESSMENT RESULTS
TRONOX PARCELS A/B INVESTIGATION
CLARK COUNTY, NEVADA

Baseline Risk Estimates (Based on Measured Asbestos Fibers-Post-Scrape)

Scenario	Estimated Airborne Chrysotile Concentrations[(1)] (s/cm^3)	Estimated Airborne Amphibole Concentrations[(1)] (s/cm^3)	Adjusted Chrysotile URF[(2)] $(s/cm^3)^{-1}$	Adjusted Amphibole URF[(2)] $(s/cm^3)^{-1}$	Estimated Chrysotile[(3)] Risk	Estimated Amphibole[(3)] Risk
LONG FIBERS						
Construction Worker-Best Estimate (No Dust Mit./1 Yr Exp.)	7.9 E-4	0.0 E+0	1.9 E-4	2.1 E-2	1 E-7	0 E+0
Construction Worker-Upper Bound (No Dust Mit./1 Yr Exp.)	1.4 E-3	2.6 E-4	1.9 E-4	2.1 E-2	3 E-7	5 E-6
Construction Worker-Best Estimate (with Dust Mit./0.5 Yr Exp.)	3.4 E-4	0.0 E+0	9.7 E-5	1.1 E-2	3 E-8	0 E+0
Construction Worker-Upper Bound (with Dust Mit./0.5 Yr Exp.)	6.0 E-4	1.1 E-4	9.7 E-5	1.1 E-2	6 E-8	1 E-6
Future Maintenance Worker-Best Estimate	6.3 E-7	0.0 E+0	4.2 E-3	4.6 E-1	3 E-9	0 E+0
Future Maintenance Worker-Upper Bound	1.1 E-6	2.1 E-7	4.2 E-3	4.6 E-1	5 E-9	1 E-7
Current/Future On-Site Trespasser-Best Estimate	6.3 E-7	0.0 E+0	1.1 E-4	1.2 E-2	7 E-11	0 E+0
Current/Future On-Site Trespasser-Upper Bound	1.1 E-6	2.1 E-7	1.1 E-4	1.2 E-2	1 E-10	3 E-9

Notes:

[(1)] Calculated based on estimated dust estimates and asbestos fiber concentrations.

[(2)] Calculated uing equation information from Table 8-2 of 2003 Methodology (Berman and Crump 2003).

[(3)] Estimated airborne concentrations × URF.

Best Estimate - Based on the pooled analytical sensitivity multiplied by the number of asbestos fibers found.

Upper Bound - Based on the 95% UCL of the Poisson distribution.

ATTACHMENT A

EMSL Analytical Inc.
107 Haddon Avenue
Westmont, NJ 08108
Contacts: Stephen Siegel, CIH
Phone:856-858-4800 Fax:856-858-4960

Report Date	11/13/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/15/2007
Date Completed	11/13/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0024
Field Subsample#	TSB-AJ-01
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	65
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	9.98
<3/8" Not Used (g)	368.7
<3/8" In Tumbler(g)	51.99
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000152

		Protocol Structures
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Long Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Total Amphibole Protocol Structures	< 2.998E+06	< 1.106E+07
Long Amphibole Protocol Structures	< 2.998E+06	< 1.106E+07
Long Asbestos Protocol Structures	< 2.998E+06	< 1.106E+07
Total Asbestos Protocol Structures	< 2.998E+06	< 1.106E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.998E+06	1.106E+07

EMSL Analytical Inc.
107 Haddon Avenue
Westmont, NJ 08108
Contacts: Stephen Siegel, CIH
Phone:856-858-4800 Fax:856-858-4960

Report Date	11/14/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/16/2007
Date Completed	11/13/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0025
Field Subsample#	TSB-AJ-01-FD
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	73
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	32.35
<3/8" Not Used (g)	355.18
<3/8" In Tumbler(g)	50.8
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000137

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.961E+06	< 1.093E+07
Long Chrysotile Protocol Structures	< 2.961E+06	< 1.093E+07
Total Amphibole Protocol Structures	< 2.961E+06	< 1.093E+07
Long Amphibole Protocol Structures	< 2.961E+06	< 1.093E+07
Long Asbestos Protocol Structures	< 2.961E+06	< 1.093E+07
Total Asbestos Protocol Structures	< 2.961E+06	< 1.093E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.961E+06	1.093E+07

EMSL Analytical Inc.
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Westmont, NJ 08108
Contacts: Stephen Siegel, CIH
Phone:856-858-4800 Fax:856-858-4960

Report Date	11/15/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/17/2007
Date Completed	11/14/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0026
Field Subsample#	TSB-AJ-02
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	88
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	32.35
<3/8" Not Used (g)	355.18
<3/8" In Tumbler(g)	50.8
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000116

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	2	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	2	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	5.802E+06	2.095E+07
Long Chrysotile Protocol Structures	< 2.901E+06	< 1.071E+07
Total Amphibole Protocol Structures	< 2.901E+06	< 1.071E+07
Long Amphibole Protocol Structures	< 2.901E+06	< 1.071E+07
Long Asbestos Protocol Structures	< 2.901E+06	< 1.071E+07
Total Asbestos Protocol Structures	5.802E+06	2.095E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.901E+06	1.071E+07

EMSL Analytical Inc.
107 Haddon Avenue
Westmont, NJ 08108
Contacts: Stephen Siegel, CIH
Phone:856-858-4800 Fax:856-858-4960

Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/29/2007
Date Completed	11/1/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0014
Field Subsample#	TSB-AJ-03
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	63
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	16.86
<3/8" Not Used (g)	387.51
<3/8" In Tumbler(g)	48.37
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000159

Asbestos Analysis Results

		Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures		3	2
No.of Amphibole Asbestos Structures		2	1
Amphibole Mineral Type(s)	Amosite		
Total Asbestos Structures		5	3

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	8.870E+06	2.590E+07
Long Chrysotile Protocol Structures	5.913E+06	2.135E+07
Total Amphibole Protocol Structures	5.913E+06	2.135E+07
Long Amphibole Protocol Structures	2.957E+06	1.647E+07
Long Asbestos Protocol Structures	8.870E+06	3.444E+07
Total Asbestos Protocol Structures	1.478E+07	2.590E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.957E+06	1.091E+07

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Report Date	12/1/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/29/2007
Date Completed	12/1/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0003
Field Subsample#	TSB-AJ-03-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	77
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	84.23
<3/8" Not Used (g)	1379.84
<3/8" In Tumbler(g)	49.6
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000214

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 1.797E+06	< 6.632E+06
Long Chrysotile Protocol Structures	< 1.797E+06	< 6.632E+06
Total Amphibole Protocol Structures	< 1.797E+06	< 6.632E+06
Long Amphibole Protocol Structures	< 1.797E+06	< 6.632E+06
Long Asbestos Protocol Structures	< 1.797E+06	< 6.632E+06
Total Asbestos Protocol Structures	< 1.797E+06	< 6.632E+06
Estimated Analytical Sensitivity: (s/gPM10)	1.797E+06	6.632E+06

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Report Date	11/16/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/25/2007
Date Completed	11/15/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0030
Field Subsample#	TSB-AR-01
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	60
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	17.9
<3/8" Not Used (g)	361.31
<3/8" In Tumbler(g)	43.76
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000165

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	1	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	1	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	2.991E+06	1.666E+07
Long Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Total Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Total Asbestos Protocol Structures	2.991E+06	1.666E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.991E+06	1.104E+07

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Report Date	11/15/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/19/2007
Date Completed	11/14/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0028
Field Subsample#	TSB-AR-02
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	107
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	35.41
<3/8" Not Used (g)	360.7
<3/8" In Tumbler(g)	46.79
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000093

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	1	1
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	1	1

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	2.976E+06	1.658E+07
Long Chrysotile Protocol Structures	2.976E+06	1.658E+07
Total Amphibole Protocol Structures	< 2.976E+06	< 1.098E+07
Long Amphibole Protocol Structures	< 2.976E+06	< 1.098E+07
Long Asbestos Protocol Structures	2.976E+06	1.658E+07
Total Asbestos Protocol Structures	2.976E+06	1.658E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.976E+06	1.098E+07

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Report Date	11/15/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/18/2007
Date Completed	11/14/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0027
Field Subsample#	TSB-AR-03
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	76
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	24.76
<3/8" Not Used (g)	384.44
<3/8" In Tumbler(g)	54.99
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000130

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Long Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Total Amphibole Protocol Structures	< 2.998E+06	< 1.106E+07
Long Amphibole Protocol Structures	< 2.998E+06	< 1.106E+07
Long Asbestos Protocol Structures	< 2.998E+06	< 1.106E+07
Total Asbestos Protocol Structures	< 2.998E+06	< 1.106E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.998E+06	1.106E+07

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Report Date	11/16/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/22/2007
Date Completed	11/15/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0029
Field Subsample#	TSB-AR-04
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	82
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	77.98
<3/8" Not Used (g)	306.24
<3/8" In Tumbler(g)	43.65
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000121

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.985E+06	< 1.101E+07
Long Chrysotile Protocol Structures	< 2.985E+06	< 1.101E+07
Total Amphibole Protocol Structures	< 2.985E+06	< 1.101E+07
Long Amphibole Protocol Structures	< 2.985E+06	< 1.101E+07
Long Asbestos Protocol Structures	< 2.985E+06	< 1.101E+07
Total Asbestos Protocol Structures	< 2.985E+06	< 1.101E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.985E+06	1.101E+07

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Report Date	11/16/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/25/2007
Date Completed	11/16/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0031
Field Subsample#	TSB-AR-05
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	50
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	17.9
<3/8" Not Used (g)	361.31
<3/8" In Tumbler(g)	43.76
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000199

		Protocol Structures
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	4	3
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	4	3

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	1.191E+07	3.048E+07
Long Chrysotile Protocol Structures	8.929E+06	2.607E+07
Total Amphibole Protocol Structures	< 2.976E+06	< 1.098E+07
Long Amphibole Protocol Structures	< 2.976E+06	< 1.098E+07
Long Asbestos Protocol Structures	8.929E+06	2.607E+07
Total Asbestos Protocol Structures	1.191E+07	3.048E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.976E+06	1.098E+07

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Report Date	11/13/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/11/2007
Date Completed	11/12/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0022
Field Subsample#	TSB-AR-06
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	101
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	17.12
<3/8" Not Used (g)	374.04
<3/8" In Tumbler(g)	49.04
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000098

Asbestos Analysis Results	**Total**	**Protocol Structures Long(>10um)**
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	2	1
Amphibole Mineral Type(s)		
Total Asbestos Structures	2	1

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.992E+06	< 1.104E+07
Long Chrysotile Protocol Structures	< 2.992E+06	< 1.104E+07
Total Amphibole Protocol Structures	5.984E+06	2.160E+07
Long Amphibole Protocol Structures	2.992E+06	1.667E+07
Long Asbestos Protocol Structures	2.992E+06	1.667E+07
Total Asbestos Protocol Structures	5.984E+06	2.160E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.992E+06	1.104E+07

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Report Date	12/5/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	12/3/2007
Date Completed	12/4/2007
Analyst	Debbie Little
Lab Sample#	040729231-0010
Field Subsample#	TSB-AR-06-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.012
Number of Grid Openings Scanned	89
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	103.16
<3/8" Not Used (g)	1109.47
<3/8" In Tumbler(g)	60.2
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000121

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.979E+06	< 1.099E+07
Long Chrysotile Protocol Structures	< 2.979E+06	< 1.099E+07
Total Amphibole Protocol Structures	< 2.979E+06	< 1.099E+07
Long Amphibole Protocol Structures	< 2.979E+06	< 1.099E+07
Long Asbestos Protocol Structures	< 2.979E+06	< 1.099E+07
Total Asbestos Protocol Structures	< 2.979E+06	< 1.099E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.979E+06	1.099E+07

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Report Date	11/13/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/12/2007
Date Completed	11/12/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0023
Field Subsample#	TSB-AR-07
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	93
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	35.14
<3/8" Not Used (g)	364.26
<3/8" In Tumbler(g)	59.9
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000107

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	1	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	1	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	2.976E+06	1.658E+07
Long Chrysotile Protocol Structures	< 2.976E+06	< 1.098E+07
Total Amphibole Protocol Structures	< 2.976E+06	< 1.098E+07
Long Amphibole Protocol Structures	< 2.976E+06	< 1.098E+07
Long Asbestos Protocol Structures	< 2.976E+06	< 1.098E+07
Total Asbestos Protocol Structures	2.976E+06	1.658E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.976E+06	1.098E+07

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Report Date	11/7/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/27/2007
Date Completed	11/6/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0015
Field Subsample#	TSB-AR-08
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	89
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	22.83
<3/8" Not Used (g)	387.24
<3/8" In Tumbler(g)	43.46
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000112

		Total	Protocol Structures Long(>10um)
Asbestos Analysis Results			
No.of Chrysotile Asbestos Structures		11	6
No.of Amphibole Asbestos Structures		4	4
Amphibole Mineral Type(s)	Amosite/Actinolite		
Total Asbestos Structures		15	10

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	3.268E+07	2.603E+07
Long Chrysotile Protocol Structures	1.783E+07	2.145E+07
Total Amphibole Protocol Structures	1.188E+07	2.145E+07
Long Amphibole Protocol Structures	1.188E+07	1.655E+07
Long Asbestos Protocol Structures	2.971E+07	3.461E+07
Total Asbestos Protocol Structures	4.457E+07	2.603E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.971E+06	1.096E+07

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Report Date	12/1/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/30/2007
Date Completed	12/1/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0004
Field Subsample#	TSB-AR-08-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	99
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	160.59
<3/8" Not Used (g)	1257.68
<3/8" In Tumbler(g)	55.2
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000120

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.493E+06	< 9.199E+06
Long Chrysotile Protocol Structures	< 2.493E+06	< 9.199E+06
Total Amphibole Protocol Structures	< 2.493E+06	< 9.199E+06
Long Amphibole Protocol Structures	< 2.493E+06	< 9.199E+06
Long Asbestos Protocol Structures	< 2.493E+06	< 9.199E+06
Total Asbestos Protocol Structures	< 2.493E+06	< 9.199E+06
Estimated Analytical Sensitivity: (s/gPM10)	2.493E+06	9.199E+06

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Report Date	11/12/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/10/2007
Date Completed	11/11/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0021
Field Subsample#	TSB-AR-09
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	75
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	12.55
<3/8" Not Used (g)	358.15
<3/8" In Tumbler(g)	50.48
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000132

Asbestos Analysis Results

		Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures		0	0
No.of Amphibole Asbestos Structures		1	1
Amphibole Mineral Type(s)	Actinolite		
Total Asbestos Structures		1	1

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Long Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Total Amphibole Protocol Structures	2.991E+06	1.666E+07
Long Amphibole Protocol Structures	2.991E+06	1.666E+07
Long Asbestos Protocol Structures	2.991E+06	1.666E+07
Total Asbestos Protocol Structures	2.991E+06	1.666E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.991E+06	1.104E+07

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Report Date	12/5/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	12/2/2007
Date Completed	12/3/2007
Analyst	Debbie Little
Lab Sample#	040729231-0009
Field Subsample#	TSB-AR-09-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.012
Number of Grid Openings Scanned	97
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	115.66
<3/8" Not Used (g)	1120.46
<3/8" In Tumbler(g)	57.48
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000111

		Protocol Structures
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.980E+06	< 1.100E+07
Long Chrysotile Protocol Structures	< 2.980E+06	< 1.100E+07
Total Amphibole Protocol Structures	< 2.980E+06	< 1.100E+07
Long Amphibole Protocol Structures	< 2.980E+06	< 1.100E+07
Long Asbestos Protocol Structures	< 2.980E+06	< 1.100E+07
Total Asbestos Protocol Structures	< 2.980E+06	< 1.100E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.980E+06	1.100E+07

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Report Date	11/9/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/5/2007
Date Completed	11/8/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0019
Field Subsample#	TSB-AR-10
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	76
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	35.39
<3/8" Not Used (g)	360
<3/8" In Tumbler(g)	51.71
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000131

Asbestos Analysis Results

		Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures		0	0
No.of Amphibole Asbestos Structures		1	1
Amphibole Mineral Type(s)	Amosite		
Total Asbestos Structures		1	1

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.975E+06	< 1.098E+07
Long Chrysotile Protocol Structures	< 2.975E+06	< 1.098E+07
Total Amphibole Protocol Structures	2.975E+06	1.657E+07
Long Amphibole Protocol Structures	2.975E+06	1.657E+07
Long Asbestos Protocol Structures	2.975E+06	1.657E+07
Total Asbestos Protocol Structures	2.975E+06	1.657E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.975E+06	1.098E+07

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Report Date	12/5/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/30/2007
Date Completed	12/4/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0005
Field Subsample#	TSB-AR-10-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	105
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	142.9
<3/8" Not Used (g)	1129.19
<3/8" In Tumbler(g)	54.99
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000099

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.849E+06	< 1.051E+07
Long Chrysotile Protocol Structures	< 2.849E+06	< 1.051E+07
Total Amphibole Protocol Structures	< 2.849E+06	< 1.051E+07
Long Amphibole Protocol Structures	< 2.849E+06	< 1.051E+07
Long Asbestos Protocol Structures	< 2.849E+06	< 1.051E+07
Total Asbestos Protocol Structures	< 2.849E+06	< 1.051E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.849E+06	1.051E+07

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Report Date	10/17/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/1/2007
Date Completed	10/16/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0016
Field Subsample#	TSB-AR-11
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	76
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	26.95
<3/8" Not Used (g)	371.2
<3/8" In Tumbler(g)	48.52
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000131

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	13	8
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	13	8

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	3.867E+07	6.613E+07
Long Chrysotile Protocol Structures	2.380E+07	4.688E+07
Total Amphibole Protocol Structures	< 2.975E+06	< 1.098E+07
Long Amphibole Protocol Structures	< 2.975E+06	< 1.098E+07
Long Asbestos Protocol Structures	2.380E+07	4.688E+07
Total Asbestos Protocol Structures	3.867E+07	6.613E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.975E+06	1.098E+07

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Report Date	1/9/2008
Project Name	BEC PARCELS A and B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040800079

Date Started	1/5/2008
Date Completed	1/8/2008
Analyst	Baojia Ke
Lab Sample#	040800079-0002
Field Subsample#	TSB-AR-11-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	100
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	52.74
<3/8" Not Used (g)	745.31
<3/8" In Tumbler(g)	60.15
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000099

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Long Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Total Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Total Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.991E+06	1.104E+07

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Report Date	11/12/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/9/2007
Date Completed	11/9/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0020
Field Subsample#	TSB-AR-12
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	95
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	18.25
<3/8" Not Used (g)	366.3
<3/8" In Tumbler(g)	48.9
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000104

Asbestos Analysis Results

		Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures		0	0
No.of Amphibole Asbestos Structures		2	1
Amphibole Mineral Type(s)	Actinolite		
Total Asbestos Structures		2	1

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Long Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Total Amphibole Protocol Structures	5.995E+06	2.158E+07
Long Amphibole Protocol Structures	2.998E+06	1.670E+07
Long Asbestos Protocol Structures	2.998E+06	1.670E+07
Total Asbestos Protocol Structures	5.995E+06	2.164E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.998E+06	1.106E+07

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Report Date	12/5/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	12/1/2007
Date Completed	12/4/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0008
Field Subsample#	TSB-AR-12-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	90
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	109.34
<3/8" Not Used (g)	1373.23
<3/8" In Tumbler(g)	54.52
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000110

		Protocol Structures
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Long Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Total Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Total Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.991E+06	1.104E+07

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Report Date	11/9/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/4/2007
Date Completed	11/8/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0018
Field Subsample#	TSB-AR-13
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	87
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	14.07
<3/8" Not Used (g)	372.61
<3/8" In Tumbler(g)	42.1
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000114

Asbestos Analysis Results

		Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures		1	1
No.of Amphibole Asbestos Structures		1	1
Amphibole Mineral Type(s)	Amosite		
Total Asbestos Structures		2	2

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	2.986E+06	1.663E+07
Long Chrysotile Protocol Structures	2.986E+06	1.663E+07
Total Amphibole Protocol Structures	2.986E+06	1.663E+07
Long Amphibole Protocol Structures	2.986E+06	1.663E+07
Long Asbestos Protocol Structures	5.972E+06	2.156E+07
Total Asbestos Protocol Structures	5.972E+06	2.156E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.986E+06	1.102E+07

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Report Date	11/30/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/28/2007
Date Completed	11/29/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0007
Field Subsample#	TSB-AR-13-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	102
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	95.3
<3/8" Not Used (g)	1203.01
<3/8" In Tumbler(g)	60.93
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000097

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.993E+06	< 1.105E+07
Long Chrysotile Protocol Structures	< 2.993E+06	< 1.105E+07
Total Amphibole Protocol Structures	< 2.993E+06	< 1.105E+07
Long Amphibole Protocol Structures	< 2.993E+06	< 1.105E+07
Long Asbestos Protocol Structures	< 2.993E+06	< 1.105E+07
Total Asbestos Protocol Structures	< 2.993E+06	< 1.105E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.993E+06	1.105E+07

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Report Date	11/8/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	10/3/2007
Date Completed	11/7/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0017
Field Subsample#	TSB-AR-14
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	69
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	24.27
<3/8" Not Used (g)	344.33
<3/8" In Tumbler(g)	41.99
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000145

		Total	Protocol Structures Long(>10um)
Asbestos Analysis Results			
No.of Chrysotile Asbestos Structures		7	2
No.of Amphibole Asbestos Structures		2	2
Amphibole Mineral Type(s)	Amosite		
Total Asbestos Structures		9	4

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	2.072E+07	4.268E+07
Long Chrysotile Protocol Structures	5.920E+06	2.137E+07
Total Amphibole Protocol Structures	5.920E+06	2.137E+07
Long Amphibole Protocol Structures	5.920E+06	2.137E+07
Long Asbestos Protocol Structures	1.184E+07	3.031E+07
Total Asbestos Protocol Structures	2.664E+07	5.056E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.960E+06	1.092E+07

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Report Date	11/30/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/27/2007
Date Completed	11/29/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0006
Field Subsample#	TSB-AR-14-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	78
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	86.95
<3/8" Not Used (g)	1208.19
<3/8" In Tumbler(g)	56.63
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000130

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.921E+06	< 1.078E+07
Long Chrysotile Protocol Structures	< 2.921E+06	< 1.078E+07
Total Amphibole Protocol Structures	< 2.921E+06	< 1.078E+07
Long Amphibole Protocol Structures	< 2.921E+06	< 1.078E+07
Long Asbestos Protocol Structures	< 2.921E+06	< 1.078E+07
Total Asbestos Protocol Structures	< 2.921E+06	< 1.078E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.921E+06	1.078E+07

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Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/21/2007
Date Completed	11/5/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0012
Field Subsample#	TSB-BJ-01
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	84
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	37.95
<3/8" Not Used (g)	356.43
<3/8" In Tumbler(g)	46.79
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000110

Asbestos Analysis Results	**Total**	**Protocol Structures Long(>10um)**
No.of Chrysotile Asbestos Structures	31	19
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	31	19

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	9.936E+07	1.410E+08
Long Chrysotile Protocol Structures	6.090E+07	9.512E+07
Total Amphibole Protocol Structures	< 3.205E+06	< 1.183E+07
Long Amphibole Protocol Structures	< 3.205E+06	< 1.183E+07
Long Asbestos Protocol Structures	6.090E+07	9.512E+07
Total Asbestos Protocol Structures	9.936E+07	1.410E+08
Estimated Analytical Sensitivity: (s/gPM10)	3.205E+06	1.183E+07

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Report Date	1/7/2008
Project Name	BEC PARCELS A and B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040800079

Date Started	1/3/2008
Date Completed	1/7/2008
Analyst	Baojia Ke
Lab Sample#	040800079-0001
Field Subsample#	TSB-BJ-01-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	81
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	24.37
<3/8" Not Used (g)	647.47
<3/8" In Tumbler(g)	54.59
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000163

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.243E+06	< 8.277E+06
Long Chrysotile Protocol Structures	< 2.243E+06	< 8.277E+06
Total Amphibole Protocol Structures	< 2.243E+06	< 8.277E+06
Long Amphibole Protocol Structures	< 2.243E+06	< 8.277E+06
Long Asbestos Protocol Structures	< 2.243E+06	< 8.277E+06
Total Asbestos Protocol Structures	< 2.243E+06	< 8.277E+06
Estimated Analytical Sensitivity: (s/gPM10)	2.243E+06	8.277E+06

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Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/18/2007
Date Completed	10/26/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0010
Field Subsample#	TSB-BJ-02
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	72
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	17.82
<3/8" Not Used (g)	346.66
<3/8" In Tumbler(g)	47.17
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000139

Asbestos Analysis Results

	Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures	7	5
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	7	5

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	2.071E+07	4.267E+07
Long Chrysotile Protocol Structures	1.480E+07	3.447E+07
Total Amphibole Protocol Structures	< 2.959E+06	< 1.092E+07
Long Amphibole Protocol Structures	< 2.959E+06	< 1.092E+07
Long Asbestos Protocol Structures	1.480E+07	3.447E+07
Total Asbestos Protocol Structures	2.071E+07	4.267E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.959E+06	1.092E+07

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Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/19/2007
Date Completed	11/1/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0011
Field Subsample#	TSB-BJ-02 FD
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	84
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	49.12
<3/8" Not Used (g)	308.28
<3/8" In Tumbler(g)	47.62
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000118

		Total	Protocol Structures Long(>10um)
Asbestos Analysis Results			
No.of Chrysotile Asbestos Structures		16	9
No.of Amphibole Asbestos Structures		3	1
Amphibole Mineral Type(s)	Amosite/Tremolite		
Total Asbestos Structures		19	10

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	4.781E+07	7.764E+07
Long Chrysotile Protocol Structures	2.689E+07	5.104E+07
Total Amphibole Protocol Structures	8.963E+06	2.617E+07
Long Amphibole Protocol Structures	2.988E+06	1.664E+07
Long Asbestos Protocol Structures	2.988E+07	5.495E+07
Total Asbestos Protocol Structures	5.677E+07	8.867E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.988E+06	1.103E+07

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Report Date	11/30/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/28/2007
Date Completed	11/30/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0002
Field Subsample#	TSB-BJ-02-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	83
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	156.68
<3/8" Not Used (g)	1098.11
<3/8" In Tumbler(g)	47.82
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000119

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Long Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Total Amphibole Protocol Structures	< 2.998E+06	< 1.106E+07
Long Amphibole Protocol Structures	< 2.998E+06	< 1.106E+07
Long Asbestos Protocol Structures	< 2.998E+06	< 1.106E+07
Total Asbestos Protocol Structures	< 2.998E+06	< 1.106E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.998E+06	1.106E+07

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Report Date	10/16/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/12/2007
Date Completed	10/15/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0003
Field Subsample#	TSB-BJ-03
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	68
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	72.23
<3/8" Not Used (g)	341.02
<3/8" In Tumbler(g)	50.79
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000147

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	1	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	1	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	2.963E+06	1.650E+07
Long Chrysotile Protocol Structures	< 2.963E+06	< 1.093E+07
Total Amphibole Protocol Structures	< 2.963E+06	< 1.093E+07
Long Amphibole Protocol Structures	< 2.963E+06	< 1.093E+07
Long Asbestos Protocol Structures	< 2.963E+06	< 1.093E+07
Total Asbestos Protocol Structures	2.963E+06	1.650E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.963E+06	1.093E+07

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Report Date	10/18/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/13/2007
Date Completed	10/17/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0016
Field Subsample#	TSB-BJ-04
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	91
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	19.89
<3/8" Not Used (g)	338.56
<3/8" In Tumbler(g)	48.1
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000109

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	1	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	1	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	2.986E+06	1.663E+07
Long Chrysotile Protocol Structures	< 2.986E+06	< 1.102E+07
Total Amphibole Protocol Structures	< 2.986E+06	< 1.102E+07
Long Amphibole Protocol Structures	< 2.986E+06	< 1.102E+07
Long Asbestos Protocol Structures	< 2.986E+06	< 1.102E+07
Total Asbestos Protocol Structures	2.986E+06	1.663E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.986E+06	1.102E+07

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Report Date	10/3/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/5/2007
Date Completed	10/2/2007
Analyst	Brad Ross
Lab Sample#	040721499-0001
Field Subsample#	TSB-BJ-05
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	87
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	15.32
<3/8" Not Used (g)	344.18
<3/8" In Tumbler(g)	68.86
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000124

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	6	3
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	6	3

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	1.647E+07	3.591E+07
Long Chrysotile Protocol Structures	8.236E+06	2.405E+07
Total Amphibole Protocol Structures	< 2.745E+06	< 1.013E+07
Long Amphibole Protocol Structures	< 2.745E+06	< 1.013E+07
Long Asbestos Protocol Structures	8.236E+06	2.405E+07
Total Asbestos Protocol Structures	1.647E+07	3.591E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.745E+06	1.013E+07

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Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/24/2007
Date Completed	11/5/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0013
Field Subsample#	TSB-BJ-06
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	65
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	23.77
<3/8" Not Used (g)	349.48
<3/8" In Tumbler(g)	46.63
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000153

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.978E+06	< 1.099E+07
Long Chrysotile Protocol Structures	< 2.978E+06	< 1.099E+07
Total Amphibole Protocol Structures	< 2.978E+06	< 1.099E+07
Long Amphibole Protocol Structures	< 2.978E+06	< 1.099E+07
Long Asbestos Protocol Structures	< 2.978E+06	< 1.099E+07
Total Asbestos Protocol Structures	< 2.978E+06	< 1.099E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.978E+06	1.099E+07

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Report Date	10/2/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/6/2007
Date Completed	10/1/2007
Analyst	Brad Ross
Lab Sample#	040721499-0002
Field Subsample#	TSB-BR-01
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	71
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	35.19
<3/8" Not Used (g)	364.51
<3/8" In Tumbler(g)	53.8
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000151

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.762E+06	< 1.019E+07
Long Chrysotile Protocol Structures	< 2.762E+06	< 1.019E+07
Total Amphibole Protocol Structures	< 2.762E+06	< 1.019E+07
Long Amphibole Protocol Structures	< 2.762E+06	< 1.019E+07
Long Asbestos Protocol Structures	< 2.762E+06	< 1.019E+07
Total Asbestos Protocol Structures	< 2.762E+06	< 1.019E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.762E+06	1.019E+07

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Report Date	10/2/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/10/2007
Date Completed	10/1/2007
Analyst	Brad Ross
Lab Sample#	040721499-0005
Field Subsample#	TSB-BR-02
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	66
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	9.07
<3/8" Not Used (g)	355.25
<3/8" In Tumbler(g)	48.93
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000150

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Long Chrysotile Protocol Structures	< 2.991E+06	< 1.104E+07
Total Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Amphibole Protocol Structures	< 2.991E+06	< 1.104E+07
Long Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Total Asbestos Protocol Structures	< 2.991E+06	< 1.104E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.991E+06	1.104E+07

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Report Date	10/4/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/7/2007
Date Completed	10/3/2007
Analyst	Brad Ross
Lab Sample#	040721499-0006
Field Subsample#	TSB-BR-03
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	84
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	14.33
<3/8" Not Used (g)	351.18
<3/8" In Tumbler(g)	51.32
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000118

	Protocol Structures	
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	< 2.988E+06	< 1.103E+07
Long Chrysotile Protocol Structures	< 2.988E+06	< 1.103E+07
Total Amphibole Protocol Structures	< 2.988E+06	< 1.103E+07
Long Amphibole Protocol Structures	< 2.988E+06	< 1.103E+07
Long Asbestos Protocol Structures	< 2.988E+06	< 1.103E+07
Total Asbestos Protocol Structures	< 2.988E+06	< 1.103E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.988E+06	1.103E+07

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Report Date	10/17/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/11/2007
Date Completed	10/16/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0007
Field Subsample#	TSB-BR-04
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	71
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	20.82
<3/8" Not Used (g)	366.57
<3/8" In Tumbler(g)	51.02
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000141

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	4	2
No.of Amphibole Asbestos Structures	1	0
Amphibole Mineral Type(s)		
Actinolite		
Total Asbestos Structures	5	2

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	1.183E+07	3.029E+07
Long Chrysotile Protocol Structures	5.917E+06	2.136E+07
Total Amphibole Protocol Structures	2.958E+06	1.648E+07
Long Amphibole Protocol Structures	< 2.958E+06	< 1.092E+07
Long Asbestos Protocol Structures	5.917E+06	2.136E+07
Total Asbestos Protocol Structures	1.479E+07	3.446E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.958E+06	1.092E+07

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Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/14/2007
Date Completed	10/19/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0008
Field Subsample#	TSB-BR-05
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	99
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	18.6
<3/8" Not Used (g)	349.97
<3/8" In Tumbler(g)	48.09
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000100

		Total	Protocol Structures Long(>10um)
Asbestos Analysis Results			
No.of Chrysotile Asbestos Structures		7	3
No.of Amphibole Asbestos Structures		1	1
Amphibole Mineral Type(s)	Actinolite		
Total Asbestos Structures		8	4

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	2.094E+07	4.314E+07
Long Chrysotile Protocol Structures	8.974E+06	2.621E+07
Total Amphibole Protocol Structures	2.991E+06	1.666E+07
Long Amphibole Protocol Structures	2.991E+06	1.666E+07
Long Asbestos Protocol Structures	1.197E+07	3.063E+07
Total Asbestos Protocol Structures	2.393E+07	4.715E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.991E+06	1.104E+07

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Report Date	11/30/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040729231

Date Started	11/28/2007
Date Completed	11/30/2007
Analyst	Baojia Ke
Lab Sample#	040729231-0001
Field Subsample#	TSB-BR-05-PS
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	95
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	78.44
<3/8" Not Used (g)	1183.23
<3/8" In Tumbler(g)	51.96
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000104

Asbestos Analysis Results

		Total	Protocol Structures Long(>10um)
No.of Chrysotile Asbestos Structures		0	0
No.of Amphibole Asbestos Structures		1	1
Amphibole Mineral Type(s)	Tremolite		
Total Asbestos Structures		1	1

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Long Chrysotile Protocol Structures	< 2.998E+06	< 1.106E+07
Total Amphibole Protocol Structures	2.998E+06	1.670E+07
Long Amphibole Protocol Structures	2.998E+06	1.670E+07
Long Asbestos Protocol Structures	2.998E+06	1.670E+07
Total Asbestos Protocol Structures	2.998E+06	1.670E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.998E+06	1.106E+07

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Report Date	12/11/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT 006 90 73.00
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040730135

Date Started	12/7/2007
Date Completed	12/10/2007
Analyst	Debbie Little
Lab Sample#	040730135-0001
Field Subsample#	TSB-BR-05-PS 2
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.012
Number of Grid Openings Scanned	134
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	47.08
<3/8" Not Used (g)	1064.31
<3/8" In Tumbler(g)	54.07
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000080

	Total	Protocol Structures Long(>10um)
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	0	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	0	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations Mean	95% UCL
Total Chrysotile Protocol Structures	< 2.993E+06	< 1.104E+07
Long Chrysotile Protocol Structures	< 2.993E+06	< 1.104E+07
Total Amphibole Protocol Structures	< 2.993E+06	< 1.104E+07
Long Amphibole Protocol Structures	< 2.993E+06	< 1.104E+07
Long Asbestos Protocol Structures	< 2.993E+06	< 1.104E+07
Total Asbestos Protocol Structures	< 2.993E+06	< 1.104E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.993E+06	1.104E+07

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Report Date	11/6/2007
Project Name	BEC PARCELS A AND B SAMPLING EVENT
Methods	Draft Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Material Method (dated May 23, 2000, Revision 1)
EMSL Order ID	040721449

Date Started	9/17/2007
Date Completed	10/25/2007
Analyst	Baojia Ke
Lab Sample#	040721499-0009
Field Subsample#	TSB-BR-06
Field Preparation Technique	N/A
Sample Drying	Yes
Sample Splitting	No
Other	N/A

TEM Analysis

Effective Area of Analytical Filter (sq mm)	385 (IST)
Magnification	19,000 X
Grid Opening Area (sq mm)	0.013
Number of Grid Openings Scanned	67
Asbestos Structure Size and Type Categories of Interest	Protocol Fiber >5um Length <0.5um Diameter Amphiboles/Chrysotile Long Fiber >10um Length <0.5um Diameter Amphiboles/Chrysotile
Minimum Acceptable Structure Identification Category	>5um Length <0.5um Diameter

Dust Generator-Total Dried Sample Weights

>3/8" (g)	9.72
<3/8" Not Used (g)	362.72
<3/8" In Tumbler(g)	59.88
Air Flow Rate Through ME opening of Dust Generator (ml/min)	1430
Air Flow Rate Through IST opening of Dust Generator (ml/min)	72
Estimated Total Air Flow Rate Through Elutriator (ml/min)	1502

Filters from the IST opening of Dust Generator of the Elutriator

Mass of Respirable Dust on Filter(g)	0.000148

		Protocol Structures
	Total	**Long(>10um)**
Asbestos Analysis Results		
No.of Chrysotile Asbestos Structures	2	0
No.of Amphibole Asbestos Structures	0	0
Amphibole Mineral Type(s)		
Total Asbestos Structures	2	0

ESTIMATED ASBESTOS CONCENTRATIONS (s/gPM10)

	Concentrations	
	Mean	**95% UCL**
Total Chrysotile Protocol Structures	5.973E+06	2.156E+07
Long Chrysotile Protocol Structures	< 2.987E+06	< 1.102E+07
Total Amphibole Protocol Structures	< 2.987E+06	< 1.102E+07
Long Amphibole Protocol Structures	< 2.987E+06	< 1.102E+07
Long Asbestos Protocol Structures	< 2.987E+06	< 1.102E+07
Total Asbestos Protocol Structures	5.973E+06	2.156E+07
Estimated Analytical Sensitivity: (s/gPM10)	2.987E+06	1.102E+07