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TECHNICAL REPORT

Project No. **A11054**

Date: **29-Jul-11**

To: **Desiree Giroux**

From: **Carol Slowik**

Analyst(s): **C. Slowik, J. Sulik, A. Zamurs**

Copy: **R. Reilly, H. Bruning, J. Pier, S. Sharma, M. Khan**

Title: **TEM ASBESTOS ANALYSIS OF ARGONAUT 2010 INFILL SAMPLES**

Request: Thirteen samples, representing drilling samples from Argonaut, were submitted to the Technical Center for asbestos analysis by transmission electron microscopy (TEM). This analysis is in partial fulfillment of RTM's Fiber Management Framework Program.

Results: The attached TEM results were obtained using the current ASTM draft method "Standard test method for indirect analysis of talc by transmission electron microscopy for asbestos mass concentration." This method is currently being developed by ASTM committee D22.07 (Sampling and Analysis of Asbestos) and is a modification of ASTM method D 5756 "Standard test method for microvacuum sampling and indirect analysis of dust by transmission electron microscopy for asbestos mass surface loading." The modification is to adapt existing methodology to the specific analysis of talc products and/or ore samples.

A program of laboratory "blank" analysis is in place and has been used to determine the detection limit for this analysis according to ASTM method D 6620, "Standard practice for asbestos detection limit based on counts."

A11054 TEM Analysis Results

Table 1. Result Summary

Sample Description	Sample No.	AMPHIBOLE		CHRYSTILE			
		Number of Structures		Fiber Concentration	Number of Structures		Asbestos Concentration
		≥5 μm	<5 μm	ppm	≥5 μm	<5 μm	ppm
VAA10-005-AB	A11054-1	0	0	BDL	0	0	BDL
VAA10-005-CD	A11054-2	0	0	BDL	0	0	BDL
VAA10-006-AB	A11054-3	0	0	BDL	0	0	BDL
VAA10-006-CD	A11054-4	0	0	BDL	0	0	BDL
VAA10-007-AB	A11054-5	0	0	BDL	0	0	BDL
VAA10-007-CD	A11054-6	0	0	BDL	0	0	BDL
VAA10-008-AB	A11054-7	0	0	BDL	0	0	BDL
VAA10-009-AB	A11054-8	0	0	BDL	0	0	BDL
VAA10-009-CD	A11054-9	0	0	BDL	0	0	BDL
VAA10-010-AB	A11054-10	0	0	BDL	0	0	BDL
VAA10-010-CD	A11054-11	0	0	BDL	0	0	BDL
VAA10-011-AB	A11054-12	0	0	BDL	0	0	BDL
VAA10-011-CD	A11054-13	0	0	BDL	0	0	BDL

BDL = Below detection limit, as defined by ASTM D 6620

A11054 TEM Analysis Parameters

Table 2. Analysis parameters

Sample Description	Sample No.	Starting Weight	Aliquot Filtered	Grid Spaces Analyzed	Total Sample Analyzed	AMPHIBOLE		CHRYSTILE	
		g	mL	#	ng	Analytical Sensitivity*	Detection Limit	Analytical Sensitivity*	Detection Limit
VAA10-005-AB	A11054-1	0.2435	0.3	10	70.3	0.013	0.09	0.009	0.06
VAA10-005-CD	A11054-2	0.2799	0.3	10	80.8	0.012	0.08	0.008	0.05
VAA10-006-AB	A11054-3	0.2602	0.3	10	75.2	0.012	0.08	0.008	0.05
VAA10-006-CD	A11054-4	0.2770	0.3	10	80.0	0.012	0.08	0.008	0.05
VAA10-007-AB	A11054-5	0.2515	0.3	10	72.6	0.013	0.09	0.009	0.06
VAA10-007-CD	A11054-6	0.2899	0.3	10	83.7	0.011	0.07	0.007	0.05
VAA10-008-AB	A11054-7	0.2695	0.3	10	77.8	0.012	0.08	0.008	0.05
VAA10-009-AB	A11054-8	0.2227	0.3	10	64.3	0.015	0.10	0.010	0.06
VAA10-009-CD	A11054-9	0.2378	0.3	10	68.7	0.014	0.09	0.009	0.06
VAA10-010-AB	A11054-10	0.2381	0.3	10	68.8	0.014	0.09	0.009	0.06
VAA10-010-CD	A11054-11	0.2227	0.3	10	64.3	0.015	0.10	0.010	0.06
VAA10-011-AB	A11054-12	0.2442	0.3	10	70.5	0.013	0.09	0.009	0.06
VAA10-011-CD	A11054-13	0.2380	0.3	10	68.7	0.014	0.09	0.009	0.06

*Analytical Sensitivity is defined by ASTM D 5756 as the detection of one structure with minimum dimensions.



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TECHNICAL REPORT

Project No. **A12008**

Date: **13-Sep-12**

To: **Desiree Giroux**

From: **Carol Slowik**

Analyst(s): **C. Slowik**

Copy: **J. Pier, S. Sharma, G. Myers, H. Bruning**

Title: **TEM ASBESTOS ANALYSIS OF ARGONAUT 2011 INFILL COMPOSITED SAMPLES**

Request: Twenty-one samples of composited Argonaut infill samples were submitted to the Technical Center for asbestos analysis by transmission electron microscopy (TEM). This analysis is in partial fulfillment of Imerys' Fiber Management Framework Program.

Results: The attached TEM results were obtained using the current ASTM draft method "Standard test method for indirect analysis of talc by transmission electron microscopy for asbestos mass concentration." This method is currently being developed by ASTM committee D22.07 (Sampling and Analysis of Asbestos) and is a modification of ASTM method D 5756 "Standard test method for microvacuum sampling and indirect analysis of dust by transmission electron microscopy for asbestos mass surface loading." The modification is to adapt existing methodology to the specific analysis of talc products and/or ore samples.

A program of laboratory "blank" analysis is in place and has been used to determine the detection limit for this analysis according to ASTM method D 6620, "Standard practice for asbestos detection limit based on counts."

A12008 TEM Analysis Results

Table 1. Result Summary

Sample Description	Sample No.	AMPHIBOLE			CHRYSOTILE		
		Number of Structures		Fiber Concentration	Number of Structures		Asbestos Concentration
		≥5 μm	<5 μm	ppm	≥5 μm	<5 μm	ppm
VAA11-004-AB	A12008-1	0	0	BDL	0	0	BDL
VAA11-005-AB	A12008-2	0	0	BDL	0	0	BDL
VAA11-005-C	A12008-3	0	0	BDL	0	0	BDL
VAA11-006-AB	A12008-4	0	0	BDL	0	0	BDL
VAA11-006-CD	A12008-5	0	0	BDL	0	0	BDL
VAA11-009-A	A12008-6	0	0	BDL	0	0	BDL
VAA11-010-AB	A12008-7	0	0	BDL	0	0	BDL
VAA11-011-A	A12008-8	0	0	BDL	0	0	BDL
VAA11-013-AB	A12008-9	0	0	BDL	0	0	BDL
VAA11-014-A	A12008-10	0	0	BDL	0	0	BDL
VAA11-015-D	A12008-11	0	0	BDL	0	0	BDL
VAA11-016-AB	A12008-12	0	0	BDL	0	0	BDL
VAA11-016-CD	A12008-13	0	0	BDL	0	0	BDL
VAA11-017-AB	A12008-14	0	0	BDL	0	0	BDL
VAA11-017-CD	A12008-15	0	0	BDL	0	0	BDL
VAA11-018-AB	A12008-16	0	0	BDL	0	0	BDL
VAA11-018-CD	A12008-17	0	0	BDL	0	0	BDL
VAA11-019-AB	A12008-18	0	0	BDL	0	0	BDL
VAA11-019-CD	A12008-19	0	0	BDL	0	0	BDL

A12008 TEM Analysis Results

Table 1. Result Summary

Sample Description	Sample No.	AMPHIBOLE			CHRYSTILE		
		Number of Structures		Fiber Concentration	Number of Structures		Asbestos Concentration
		≥5 μm	<5 μm	ppm	≥5 μm	<5 μm	ppm
VAA11-022-AB	A12008-20	0	0	BDL	0	0	BDL
VAA11-022-C	A12008-21	0	0	BDL	0	0	BDL

BDL = Below detection limit, as defined by ASTM D 6620

A12008 TEM Analysis Parameters

Table 2. Analysis parameters

Sample Description	Sample No.					AMPHIBOLE		CHRYSOTILE	
		Starting Weight	Aliquot Filtered	Grid Spaces Analyzed	Total Sample Analyzed	Analytical Sensitivity*	Detection Limit	Analytical Sensitivity*	Detection Limit
		g	mL	#	ng	ppm	ppm	ppm	ppm
VAA11-004-AB	A12008-1	0.2511	0.3	10	72.5	0.013	0.09	0.009	0.06
VAA11-005-AB	A12008-2	0.2743	0.3	10	79.2	0.012	0.08	0.008	0.05
VAA11-005-C	A12008-3	0.2452	0.3	10	70.8	0.013	0.09	0.009	0.06
VAA11-006-AB	A12008-4	0.2625	0.3	10	75.8	0.012	0.08	0.008	0.05
VAA11-006-CD	A12008-5	0.2702	0.3	10	78.0	0.012	0.08	0.008	0.05
VAA11-009-A	A12008-6	0.2738	0.3	10	79.1	0.012	0.08	0.008	0.05
VAA11-010-AB	A12008-7	0.2341	0.3	10	67.6	0.014	0.09	0.009	0.06
VAA11-011-A	A12008-8	0.2643	0.3	10	76.3	0.012	0.08	0.008	0.05
VAA11-013-AB	A12008-9	0.2639	0.3	10	76.2	0.012	0.08	0.008	0.05
VAA11-014-A	A12008-10	0.2516	0.3	10	72.7	0.013	0.09	0.009	0.06
VAA11-015-D	A12008-11	0.2442	0.3	10	70.5	0.013	0.09	0.009	0.06
VAA11-016-AB	A12008-12	0.2592	0.3	10	74.9	0.013	0.08	0.008	0.06
VAA11-016-CD	A12008-13	0.2449	0.3	10	70.7	0.013	0.09	0.009	0.06
VAA11-017-AB	A12008-14	0.2464	0.3	10	71.2	0.013	0.09	0.009	0.06
VAA11-017-CD	A12008-15	0.2433	0.3	10	70.3	0.013	0.09	0.009	0.06
VAA11-018-AB	A12008-16	0.2329	0.3	10	67.3	0.014	0.09	0.009	0.06
VAA11-018-CD	A12008-17	0.2440	0.3	10	70.5	0.013	0.09	0.009	0.06
VAA11-019-AB	A12008-18	0.2433	0.3	10	70.3	0.013	0.09	0.009	0.06
VAA11-019-CD	A12008-19	0.2543	0.3	10	73.5	0.013	0.08	0.009	0.06

A12008 TEM Analysis Parameters

Table 2. Analysis parameters

Sample Description	Sample No.					AMPHIBOLE		CHRYBOTILE	
		Starting Weight	Aliquot Filtered	Grid Spaces Analyzed	Total Sample Analyzed	Analytical Sensitivity*	Detection Limit	Analytical Sensitivity*	Detection Limit
		g	mL	#	ng	ppm	ppm	ppm	ppm
VAA11-022-AB	A12008-20	0.2425	0.3	10	70.0	0.013	0.09	0.009	0.06
VAA11-022-C	A12008-21	0.2605	0.3	10	75.2	0.012	0.08	0.008	0.05

*Analytical Sensitivity is defined by ASTM D 5756 as the detection of one structure with minimum dimensions.



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TECHNICAL REPORT

Project No. **A13152**

Date: **6-Dec-13**

To: **Desiree Giroux**

From: **Julie Pier**

Analyst(s): **R. Fishell, A. Knorpp, J. Pier**

Copy: **S. Sharma**

Title: **TEM ASBESTOS ANALYSIS OF 2013 ARGONAUT INFILL SAMPLES**

Request: Twelve samples of Argonaut ore from the 2013 infill drilling campaign were submitted to the Analytical Group for asbestos analysis by transmission electron microscopy (TEM).

Results: The attached TEM results were obtained using the current ASTM draft method "Standard test method for indirect analysis of talc by transmission electron microscopy for asbestos mass concentration." This method is currently being developed by ASTM committee D22.07 (Sampling and Analysis of Asbestos) and is a modification of ASTM method D 5756 "Standard test method for microvacuum sampling and indirect analysis of dust by transmission electron microscopy for asbestos mass surface loading." The modification is to adapt existing methodology to the specific analysis of talc products and/or ore samples.

A program of laboratory "blank" analysis is in place and has been used to determine the detection limit for this analysis according to ASTM method D 6620, "Standard practice for asbestos detection limit based on counts."

A13152 TEM Analysis Results

Table 1. Result Summary

Sample Description			AMPHIBOLE			CHRYSTILE		
			Number of Structures		Fiber Concentration	Number of Structures		Asbestos Concentration
			≥5 μm	<5 μm	ppm	≥5 μm	<5 μm	ppm
Argonaut Infill Composite	VAA13-01	A13152-1	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-02	A13152-2	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-03	A13152-3	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-04	A13152-4	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-05	A13152-5	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-06	A13152-6	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-07	A13152-7	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-08	A13152-8	0	0	BDL	0	1	BDL
Argonaut Infill Composite	VAA13-09	A13152-9	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-10	A13152-10	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-11	A13152-11	0	0	BDL	0	0	BDL
Argonaut Infill Composite	VAA13-12	A13152-12	0	0	BDL	0	0	BDL

BDL = Below detection limit, as defined by ASTM D 6620

A13152 TEM Analysis Parameters

Table 2. Analysis parameters

							AMPHIBOLE		CHRYSTILE	
Sample Description		Sample No.	Starting Weight	Aliquot Filtered	Grid Spaces Analyzed	Total Sample Analyzed	Analytical Sensitivity*	Detection Limit	Analytical Sensitivity*	Detection Limit
			g	mL	#	ng	ppm	ppm	ppm	ppm
Argonaut Infill Composite	VAA13-01	A13152-1	0.2494	0.3	10	72.0	0.013	0.09	0.009	0.06
Argonaut Infill Composite	VAA13-02	A13152-2	0.2607	0.3	10	75.3	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-03	A13152-3	0.2622	0.3	10	75.7	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-04	A13152-4	0.2731	0.3	10	78.9	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-05	A13152-5	0.2672	0.3	10	77.2	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-06	A13152-6	0.2554	0.3	10	73.8	0.013	0.08	0.008	0.06
Argonaut Infill Composite	VAA13-07	A13152-7	0.2783	0.3	10	80.4	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-08	A13152-8	0.2638	0.3	10	76.2	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-09	A13152-9	0.2580	0.3	10	74.5	0.013	0.08	0.008	0.06
Argonaut Infill Composite	VAA13-10	A13152-10	0.2684	0.3	10	77.5	0.012	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-11	A13152-11	0.2845	0.3	10	82.2	0.011	0.08	0.008	0.05
Argonaut Infill Composite	VAA13-12	A13152-12	0.2736	0.3	10	79.0	0.012	0.08	0.008	0.05

*Analytical Sensitivity is defined by ASTM D 5756 as the detection of one structure with minimum dimensions.



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TECHNICAL REPORT

Project No. **A15383**

Date: **4-Jan-17**

To: **Desiree Giroux**

From: **Julie Pier**

Analyst(s): **A. Boxleiter, R. Fishell, J. Lee, K. Persaud, J. Pier**

Copy: **S. Sharma, G. Myers**

Title: **TEM ASBESTOS ANALYSIS OF 2015 ARGONAUT INFILL SAMPLES**

Request: Thirty-four samples of Argonaut ore from the 2015 infill drilling campaign were submitted to the Analytical Group for asbestos analysis by transmission electron microscopy (TEM).

Results: The attached TEM results were obtained using the current ASTM draft method "Standard test method for indirect analysis of talc by transmission electron microscopy for asbestos mass concentration." This method is currently being developed by ASTM committee D22.07 (Sampling and Analysis of Asbestos) and is a modification of ASTM method D 5756 "Standard test method for microvacuum sampling and indirect analysis of dust by transmission electron microscopy for asbestos mass surface loading." The modification is to adapt existing methodology to the specific analysis of talc products and/or ore samples.

A program of laboratory "blank" analysis is in place and has been used to determine the detection limit for this analysis according to ASTM method D 6620, "Standard practice for asbestos detection limit based on counts."

A15383 TEM Analysis Results

Table 1. Result Summary

Sample Description			AMPHIBOLE			CHRYSTILE		
			Number of Structures		Fiber Concentration	Number of Structures		Asbestos Concentration
			≥5 μm	<5 μm	ppm	≥5 μm	<5 μm	ppm
Argonaut 2015 Infill (VAA15)	VAA15-003-H	A15383-1	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-006-H	A15383-2	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-024-H	A15383-3	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-025-EF	A15383-4	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-025-GH	A15383-5	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-026-EF	A15383-6	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-026-GH	A15383-7	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-027-EF	A15383-8	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-027-G	A15383-9	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-029-H	A15383-10	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-031-AB	A15383-11	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-031-C	A15383-12	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-032-BC	A15383-13	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-032-DE	A15383-14	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-032-FG	A15383-15	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-033-BC	A15383-16	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-033-DE	A15383-17	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-033-FG	A15383-18	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-034-AB	A15383-19	0	0	BDL	0	0	BDL

A15383 TEM Analysis Results

Table 1. Result Summary

Sample Description			AMPHIBOLE			CHRYSTILE		
			Number of Structures		Fiber Concentration	Number of Structures		Asbestos Concentration
			≥5 μm	<5 μm	ppm	≥5 μm	<5 μm	ppm
Argonaut 2015 Infill (VAA15)	VAA15-034-CD	A15383-20	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-035-AB	A15383-21	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-035-CD	A15383-22	0	0	BDL	0	1	BDL
Argonaut 2015 Infill (VAA15)	VAA15-036-AB	A15383-23	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-036-BC	A15383-24	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-037-A	A15383-25	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-037-D	A15383-26	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-038-AB	A15383-27	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-038-CD	A15383-28	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-039-AB	A15383-29	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-039-CD	A15383-30	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-040-AB	A15383-31	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-040-CD	A15383-32	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-041-AB	A15383-33	0	0	BDL	0	0	BDL
Argonaut 2015 Infill (VAA15)	VAA15-041-CD	A15383-34	0	0	BDL	0	0	BDL

BDL = Below detection limit, as defined by ASTM D 6620

A15383 TEM Analysis Parameters

Table 2. Analysis parameters

							AMPHIBOLE		CHRYSTILE	
Sample Description		Sample No.	Starting Weight	Aliquot Filtered	Grid Spaces Analyzed	Total Sample Analyzed	Analytical Sensitivity*	Detection Limit	Analytical Sensitivity*	Detection Limit
			g	mL	#	ng	ppm	ppm	ppm	ppm
Argonaut 2015 Infill (VAA15)	VAA15-003-H	<i>A15383-1</i>	0.2480	0.5	5	59.7	0.016	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-006-H	<i>A15383-2</i>	0.2515	0.5	5	60.5	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-024-H	<i>A15383-3</i>	0.2574	0.5	5	62.0	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-025-EF	<i>A15383-4</i>	0.2597	0.5	5	62.5	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-025-GH	<i>A15383-5</i>	0.2598	0.5	5	62.5	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-026-EF	<i>A15383-6</i>	0.2516	0.5	5	60.6	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-026-GH	<i>A15383-7</i>	0.2470	0.5	5	59.5	0.016	0.10	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-027-EF	<i>A15383-8</i>	0.2521	0.5	5	60.7	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-027-G	<i>A15383-9</i>	0.2531	0.5	5	60.9	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-029-H	<i>A15383-10</i>	0.2589	0.5	5	62.3	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-031-AB	<i>A15383-11</i>	0.2586	0.5	5	62.2	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-031-C	<i>A15383-12</i>	0.2554	0.5	5	61.5	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-032-BC	<i>A15383-13</i>	0.2511	0.5	5	60.4	0.016	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-032-DE	<i>A15383-14</i>	0.2591	0.5	5	62.4	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-032-FG	<i>A15383-15</i>	0.2445	0.5	5	58.9	0.016	0.11	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-033-BC	<i>A15383-16</i>	0.2596	0.5	5	62.5	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-033-DE	<i>A15383-17</i>	0.2577	0.5	5	62.0	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-033-FG	<i>A15383-18</i>	0.2540	0.5	5	61.1	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-034-AB	<i>A15383-19</i>	0.2365	0.5	5	56.9	0.016	0.11	0.011	0.07

A15383 TEM Analysis Parameters

Table 2. Analysis parameters

Table 2. Analysis parameters							AMPHIBOLE		CHRYSTOTILE	
Sample Description		Sample No.	Starting Weight	Aliquot Filtered	Grid Spaces Analyzed	Total Sample Analyzed	Analytical Sensitivity*	Detection Limit	Analytical Sensitivity*	Detection Limit
			g	mL	#	ng	ppm	ppm	ppm	ppm
Argonaut 2015 Infill (VAA15)	VAA15-034-CD	A15383-20	0.2460	0.5	5	59.2	0.016	0.10	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-035-AB	A15383-21	0.2547	0.5	5	61.3	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-035-CD	A15383-22	0.2524	0.5	5	60.8	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-036-AB	A15383-23	0.2508	0.5	5	60.4	0.016	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-036-BC	A15383-24	0.2431	0.5	5	58.5	0.016	0.11	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-037-A	A15383-25	0.2487	0.5	5	59.9	0.016	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-037-D	A15383-26	0.2497	0.5	5	60.1	0.016	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-038-AB	A15383-27	0.2386	0.5	5	57.4	0.016	0.11	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-038-CD	A15383-28	0.2467	0.5	5	59.4	0.016	0.10	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-039-AB	A15383-29	0.2481	0.5	5	59.7	0.016	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-039-CD	A15383-30	0.2443	0.5	5	58.8	0.016	0.11	0.011	0.07
Argonaut 2015 Infill (VAA15)	VAA15-040-AB	A15383-31	0.2564	0.5	5	61.7	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-040-CD	A15383-32	0.2517	0.5	5	60.6	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-041-AB	A15383-33	0.2534	0.5	5	61.0	0.015	0.10	0.010	0.07
Argonaut 2015 Infill (VAA15)	VAA15-041-CD	A15383-34	0.2565	0.5	5	61.7	0.015	0.10	0.010	0.07

*Analytical Sensitivity is defined by ASTM D 5756 as the detection of one structure with minimum dimensions.