

AmeriSci Job #: 123021451
Client Name: Converse Labs

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)
South Side Water Users; 21912 Birch Lane Watertown, NY

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	Kitchen Sink; Water	0.025	8.9	NSD	NSD	0.14	<0.14	<0.14	----

* NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter; Drinking Water accreditations do not cover waste water analysis. NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1). Fiber criteria (≥ 0.5 microns, for 100.1; >10 microns for 100.2; 5:1 aspect ratio for both), organic rich waste water prepped by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Sample temperatures reported above were measured upon receipt. Water samples are refrigerated upon receipt and filtered within four hours.

Reviewed By:



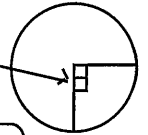
Analyzed By: Cory M. Parnell



Date: 2/14/2023

TEM Asbestos (Water) Count Sheet

sample area analyzed



<u>Client Name:</u> Converse Labs		<u>Volume (liters):</u> 0.025
<u>Job #:</u> 123021451		<u>Filter Type / Filter Area:</u> MCE 214 mm ²
<u>Lab Sample #:</u> 01		<u>Grid Opening Size:</u> 0.01003
<u>Client Sample #:</u>		<u>Area Examined:</u> 0.06018 mm ²
<u>Received:</u> 02/10/23 12:00:00		<u>Magnification:</u> 20,000
<u>Date Analyzed:</u> 02/14/23		<u>Accelerating Voltage:</u> 100 KeV
<u>Temp:</u> 8.9		

Analysis Performed by: Cory M. Parnell

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C6-E4/1	1	NSD							<input type="checkbox"/>	
C6-F4/1	2	NSD							<input type="checkbox"/>	
C6-G4/1	3	NSD							<input type="checkbox"/>	
C7-E4/4	4	NSD							<input type="checkbox"/>	
C7-G4/1	5	NSD							<input type="checkbox"/>	
C7-F5/1	6	NSD							<input type="checkbox"/>	

NSD: No Asbestos Structures Detected

Scope #: Front 4: Jeol JEM-100CX II, Serial No.156147-247

Comments

	Concentration (million fibers/liter)	Grid Evaluation
Total Grid Openings: 6		<input checked="" type="checkbox"/> Grid Openings Covered > 50%
Chrysotile Asbestos Structures: 0	<0.142	<input checked="" type="checkbox"/> Intact Grid Opening > 50%
Amphibole Asbestos Structures: 0	<0.142	<input checked="" type="checkbox"/> Undissolved Filter < 10%
Asbestos Structures >10 microns: 0	<0.142	<input checked="" type="checkbox"/> Folded Replica < 50%
Total Asbestos Structures: 0	<0.142	<input checked="" type="checkbox"/> Filter Loading < 25%
Analytical Sensitivity: 0.142		<input checked="" type="checkbox"/> Particulate Even

NO ASBESTOS DETECTED