

Article

# Comparison of Methods for Pretreatment and Quantification of Bulk Asbestos Samples for Polarized Light Microscopy Analysis to Evaluate Asbestos-Containing Waste

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Received: 15 October 2019; Accepted: 8 November 2019; Published: date

## Supplementary Material

Figure S1. Sample preparation for Asbestos Identification.


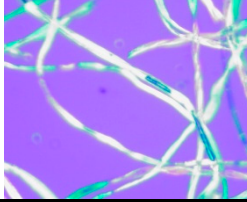

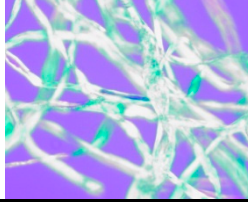
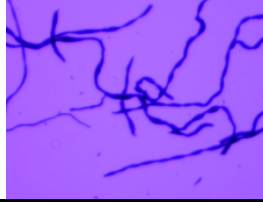

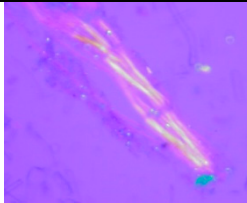
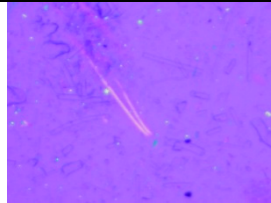



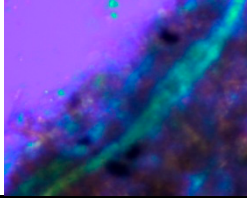
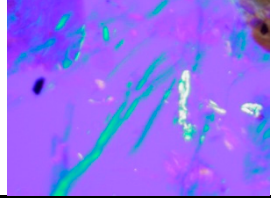
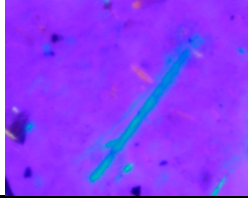
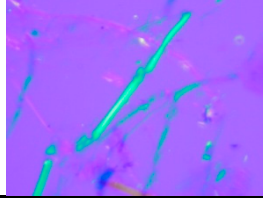

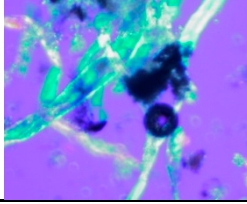
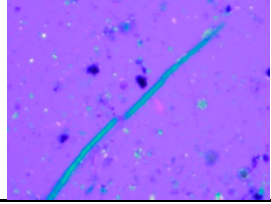
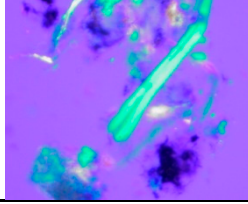
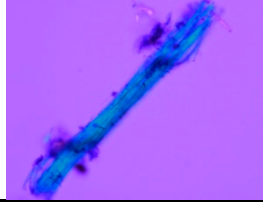
	Original	Crushing	Ashing	Acid	Ashing/Acid
5715 CELL(95) OTHER(5)					
Residue	TSI	100	33.33	91.07	6.64
Identification		○	○	○	○
6624 AMOS(4) CHRY(1) FBGL(75) CELL(Trace) OTHR(20)					
Residue	Surface Material	100	88.43	19.68	17.45
Identification		○	○	○	○
6953 CHRY(5) ACTN(Trace) MICA(45) ACID(50)					
Residue	Surface Material	100	82.39	42.62	38.49
Identification		X	○	○	○
7831 CHRY(6) CELL(5) OTHR(89)					
Residue	Surface Material	100	76.66	24.21	16.64
Identification		X	○	○	○

Figure S1. Sample preparation for Asbestos Identification (continued).

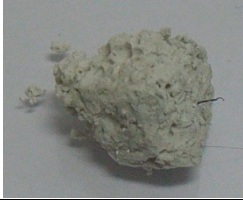
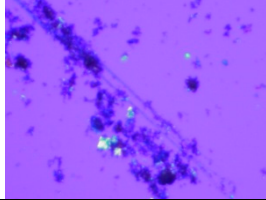
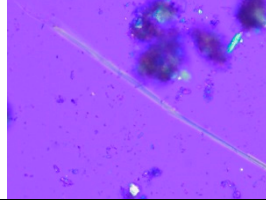
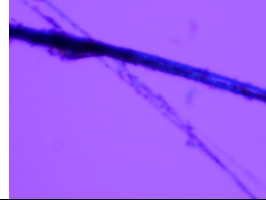


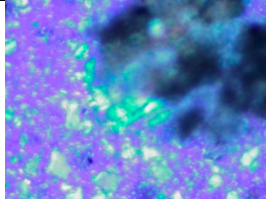
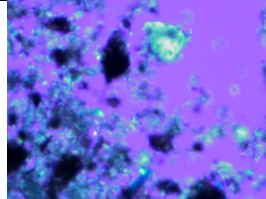
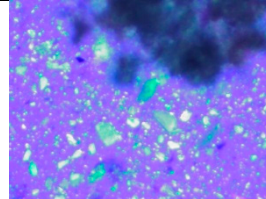
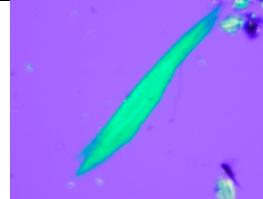
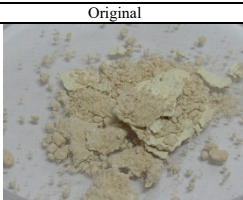
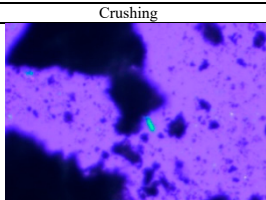
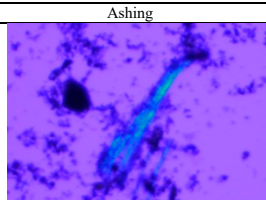
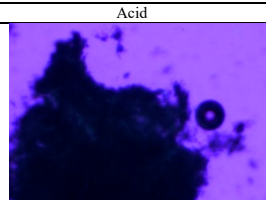
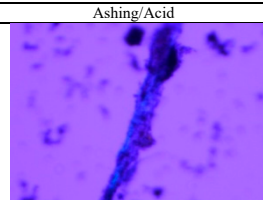

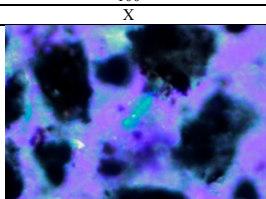
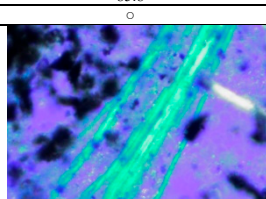
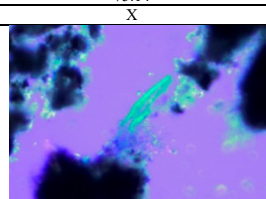
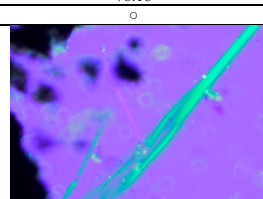
	Original	Crushing	Ashing	Acid	Ashing/Acid
9583 CROC(2) ACID(98)					
Residue	Surface Material	100	84.21	24.15	7.07
Identification		X	o	o	o
9616 CHRY(4) ACID(30) OTHR(66)					
Residue	Floor tile	100	78.1	86.85	15.68
Identification		X	X	X	o
9622 CHRY(4) CELL(Trace) ACID(56) OTHR(40)					
Residue	Surface Material	100	85.8	75.14	78.16
Identification		X	o	X	o
091 CHRY(20) AMOS(0.1)					
Residue	Surface Material	100	89.33	96.40	61.84
Identification		X	o	X	o

Figure S1. Sample preparation for Asbestos Identification (continued).


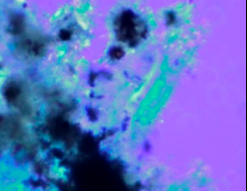
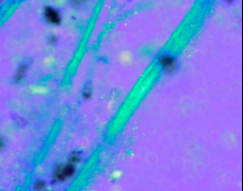
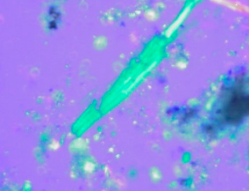
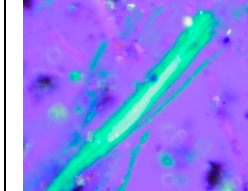

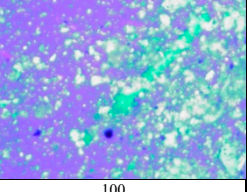
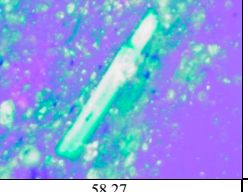
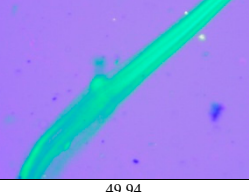
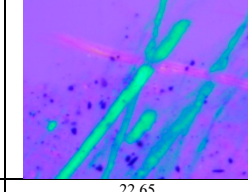

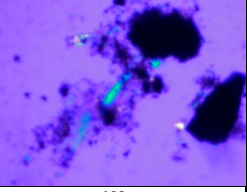
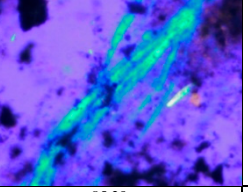
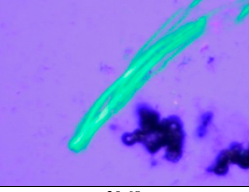
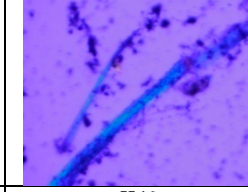

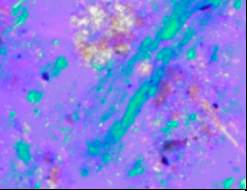
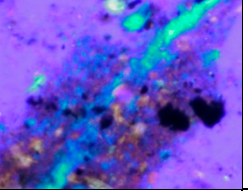
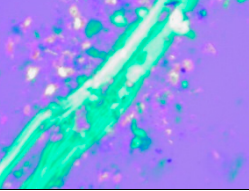
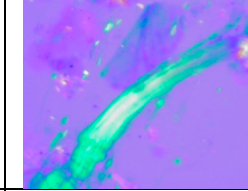

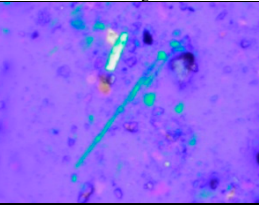
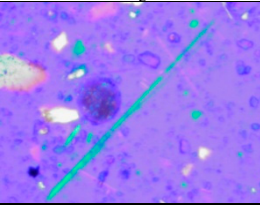
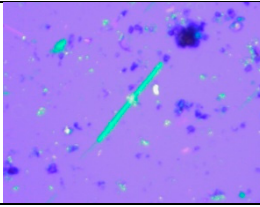
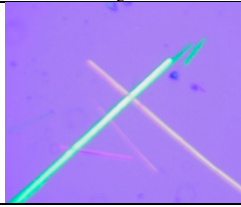

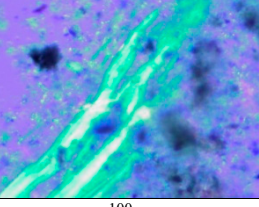
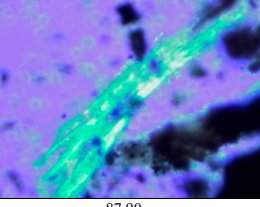
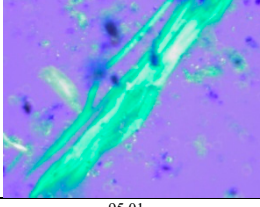
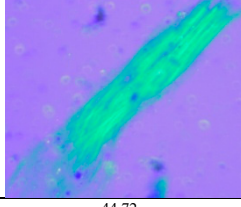

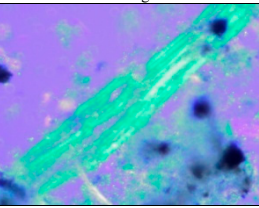
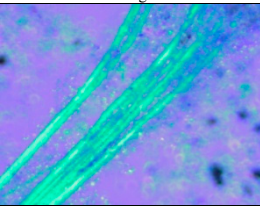
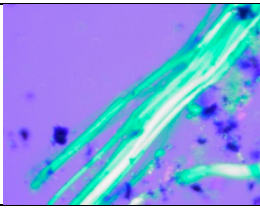
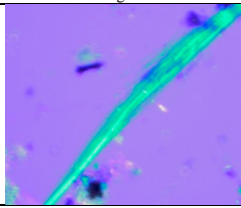

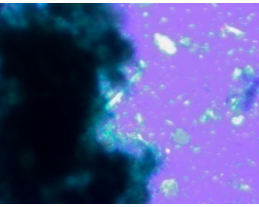
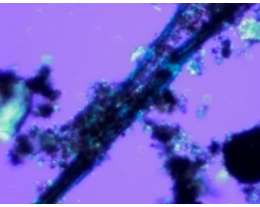
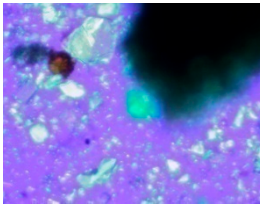
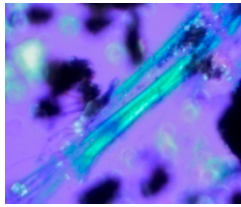
	Original	Crushing	Ashing	Acid	Ashing/Acid
092 CHRY(5)					
Residue	Surface Material	100	81.55	93.58	61.84
Identification		X	o	o	o
094 CHRY(11)					
Residue	TSI	100	58.27	49.94	22.65
Identification		X	o	o	o
3428 CHRY(3) CELL(TRACE) OTHR(15) MICA(41) ACID(41)					
Residue	Surface Material	100	85.39	30.68	77.16
Identification		X	o	o	o
8615 CHRY(6) CELL(TRACE) MICA(45) ACID(60)					
Residue	Surface Material	100	87.62	48.60	22.03
Identification		X	X	o	o

Figure S1. Sample preparation for Asbestos Identification (continued).

	Original	Crushing	Ashing	Acid	Ashing/Acid
8993 ANTH(3) FBGL(10) CELL(TRACE) OTHR(2) ACID(85)					
Residue	Surface Material	100	96.70	99.56	49.70
Identification		o	o	o	o
1000 (Slate)					
Residue	Slate	100	87.90	95.01	44.72
Identification		o	o	o	o
2000 (Ceiling Textile)					
Residue	Surface Material	100	82.67	83.31	22.04
Identification		o	o	o	o
3000 (Floor tile)					
Residue	Floor tile	100	75.06	99.16	50.40
Identification		X	X	X	o