Water Damaged Building Organisms and Biotoxins

MOLD

BACTERIA

<u>Spores</u>

Purpose: Reproduction

Mycotoxins

Purpose: Defense

mVOCs

Purpose: Digestion

Actinomycetes

A group of gram-positive bacteria that produce various biotoxins

Endotoxin

Components of gramnegative bacteria that shed upon death of the bacteria

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INDERSERSED DESCRIPTION

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REPRESENTATION

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Level 3: The bottom level is the dust that has settled on surfaces throughout your home and gets popped up into your breathing zone

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Reasons to Sample

To confirm source areas of contamination

Understand dispersion from contaminated areas of the home

To write the appropriate remediation strategy

Understand potential exposure



Acceptable Sample Types

Source Area Samples

- Targeted air
- Surface (Swab, tape, bulk)

Dispersion Samples

- ERMI
- mVOC
- Actinobacteria

Biotoxin Samples

- Mycotoxin
- Endotoxin

Goal Based Sampling Hypersensitivity

Renter	Homeowner	Buying or Renting	Insurance or Litigation
 Wants to stay Wants to leave Litigation 	Wants to stayWants to leave	 Finding a healthy home 	 Building a plan to maximize coverage

Goal Based Chart *Renter

	Source	Dispersion	Biotoxin
Leave	X	(x)	(x)
Stay	X	X	(x)
Litigation	X	x	X

Goal Based Chart *Home Owner

	Source	Dispersion	Biotoxin
Leave		X	x
Stay	X	X	x

Goal Based Chart *New Home Seeker

	Source	Dispersion	Biotoxin
Phase 1			
Phase 2		X	X
Phase 3	X		

Goal Based Chart *Insurance/Litigation

			Effect
	Cause	Effect	(Health
	(Source)	(Exposure)	Impact)
Insurance	X	X	(x)
Litigation	X	x	X