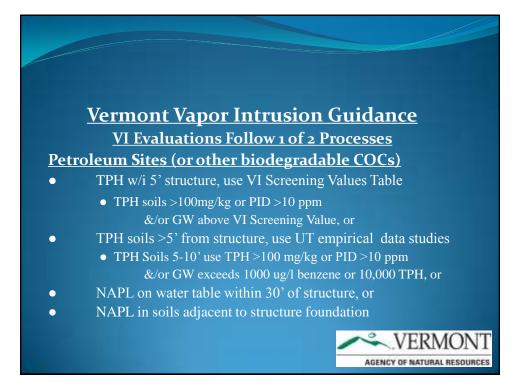


Vermont Vapor Intrusion Guidance

Indoor Air Screening Levels

- Risk
 - All risk at 10E-6 (unless IA or Ambient outdoor air higher)
 - Exposure duration calculated at 70 years
- VI Investigations Iterative; GW, Soil Vapor, Sub Slab, Indoor Air





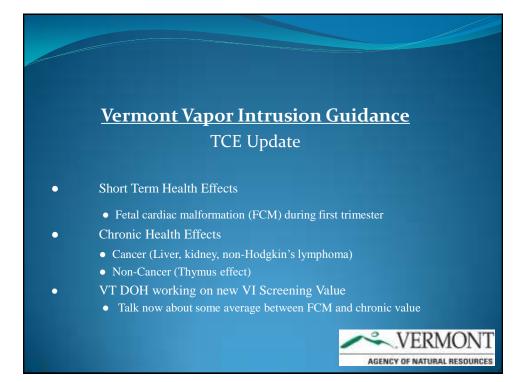
<u>Vermont Vapor Intrusion Guidance</u> <u>VI Evaluations Follow 1 of 2 Processes</u> <u>Chlorinated Solvent Sites</u>

- VI Investigation required if CIHC in soil, GW, or soil gas within 100' of structure above VI Screening Values
- If work required, then a SI Work Plan must be submitted and approved
- VI Soil Gas Sampling

0

- SGS-Min. 2 points acap to structure, 2-5' below structure
- Sub Slab-Directly below slab, number of points site specific
- Ambient Outdoor-Upwind of structure
- Indoor Air-Basement & living space (compare &household chemicals





VI Screening Values Table (Example Set)				
Chemical	Target Indoor Air Screening Levels	GW Concentration (ug/l)	Shallow Soil Gas <5 ft (ug/m3) alpha o.1	Deep Soil Gas >5 ft (ug/m3) alpha o.oi
1,1- Dichloroethane	50	218	500	5000
Methylene Chloride	2.1	5.8	21	210
Ethylene dibromide	0.0045	Nsv	0.045	0.45
TCE	0.5	1.19	5	50
Benzene*	1.18	5.2	1180(0.001)	11800(0.0001)

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