Biodegradation Studies in the USA - J. [illegible]

Composition

Many of you already know a great [illegible]

Aroclors are mixtures

* Composition of Aroclors
* Complexity of A-1242
* Chromatograms of products we'll be illustrating differences

Biological Studies

[illegible] of degradation - test used to evaluate [illegible]

Procedure employs sludge from [illegible] plant

* SCAS - cylinder with provision for [illegible]
* Mechanical cycle - cycle initiated [illegible]
* Degradation of Aroclors by microorganisms
* Chromatogram of A-1242
* Conclusions
* Blank

Residue accumulation - [illegible]

[illegible]

We have [illegible] residue studies on [illegible]

[illegible] consists of feeding [illegible]

* PCB residues in chicken
* Rat residues 5-10 fold lower
* ~~[illegible]~~
* [illegible] residues and recovery in [illegible]
* 30 day exposure/recovery for rats
* [illegible] chromatograms [illegible]
* ** Conclusions
* Blank

Soil Migration

2 goals in mind: 1st, accidental spill; 2nd, landfill

Water solubility low - 0.1+ ppm

* Apparatus
* Soils
* Breakthrough volumes - correlate to clay content
* Composition of soluble portion
* Conclusions

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Conclude with indirect proof. Use production figures to calculate [illegible]

Our lab data confirm this hypothesis that PCB's can be removed [illegible]