

Interagency Drywall Task Force Chamber Studies

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Summary

- Initial results of chamber studies of Chinese and non-Chinese drywall
 - Lawrence Berkeley National Laboratory (LBL)
 - Chemical emissions
 - Novel methods
- Next steps

Chamber Studies

- Screen samples in controlled chambers – ID chemicals
 - Total Volatile Organic Compounds (TVOCs)
 - Total Volatile Sulfur Compounds (TVSCs)
 - Other irritant gases
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- 17 samples (5 Chinese, 12 non-Chinese drywall)

Chamber Studies

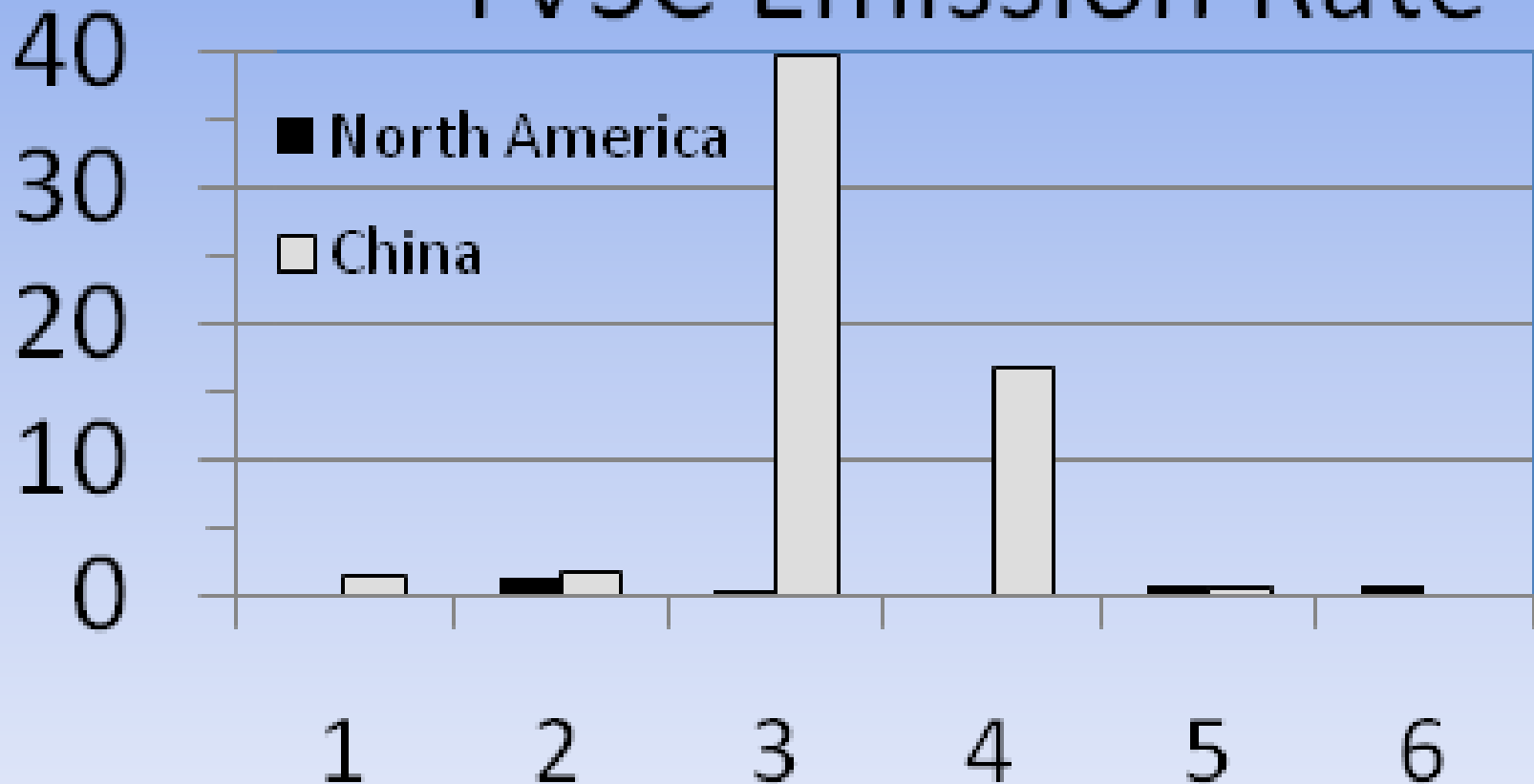
- 6-liter stainless steel pre-conditioning chambers
- 10.5-liter stainless steel emissions chambers
- 100 °F, 80 % relative humidity
- All wet surfaces treated for low sorption

Initial Results of Chamber Studies

- Only one discernable difference found at this point
- TVSCs emission rate
 - Chinese – 12.1 $\mu\text{g}/\text{m}^2/\text{hr}$ (average)
 - Non-Chinese – 0.5 $\mu\text{g}/\text{m}^2/\text{hr}$ (average)

Initial Results of Chamber Studies

TVSC Emission Rate



Next steps

- Determine more specific chemical characterization of emissions
- Risk assessment based on specific chemical emissions