

Factors affecting chlorinated product formation from sodium hypochlorite bleach and limonene reactions in the gas phase

Data Dictionary

| Field Name | Field Contents |
|-------------------------|---|
| HOCl | Hypochlorous acid |
| Cl₂ | Chlorine gas |
| Timepoint | Temporal sample (minutes) |
| Analyte | Molecule detected and quantified by gas chromatography – mass spectrometry |
| R1, R2, R3, etc. | Replicate samples |
| RH | Relative humidity |
| Structure 1 | <div>Cl</div> <div>Cl</div> |
| Structure 2 | <div>Cl</div> <div>Cl</div> <div>Cl</div> <div>Cl</div> |

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|--------------------|--|
| Structure 5 | |
| | Cl |
| | HO |
| O3 | ozone |
| Treatment | Mixtures of reactants or different conditions |
| Low RH | 5 +/- 3 % |
| High RH | 50 +/- 3 % |
| Timepoint 0 | 0 minutes |
| Timepoint 1 | 10 minutes |
| Timepoint 2 | 47 minutes |
| Timepoint 3 | 84 minutes |
| Timepoint 4 | 121 minutes |
| Timepoint 5 | 158 minutes |