

## **Supporting Information**

### **Ammonia Syngas Production from Coal Mine Drainage Gas with CO<sub>2</sub> Capture via Enrichment and Sorption-enhanced Auto-thermal Reforming**

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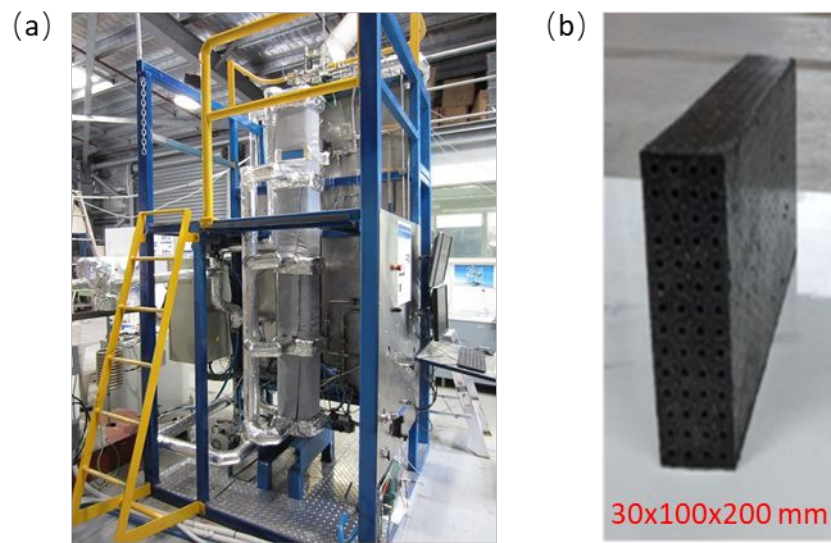


Figure S1 (a) Large-scale test unit and (b) Honeycomb monolith (HM) carbon fibre composites for methane enrichment tests

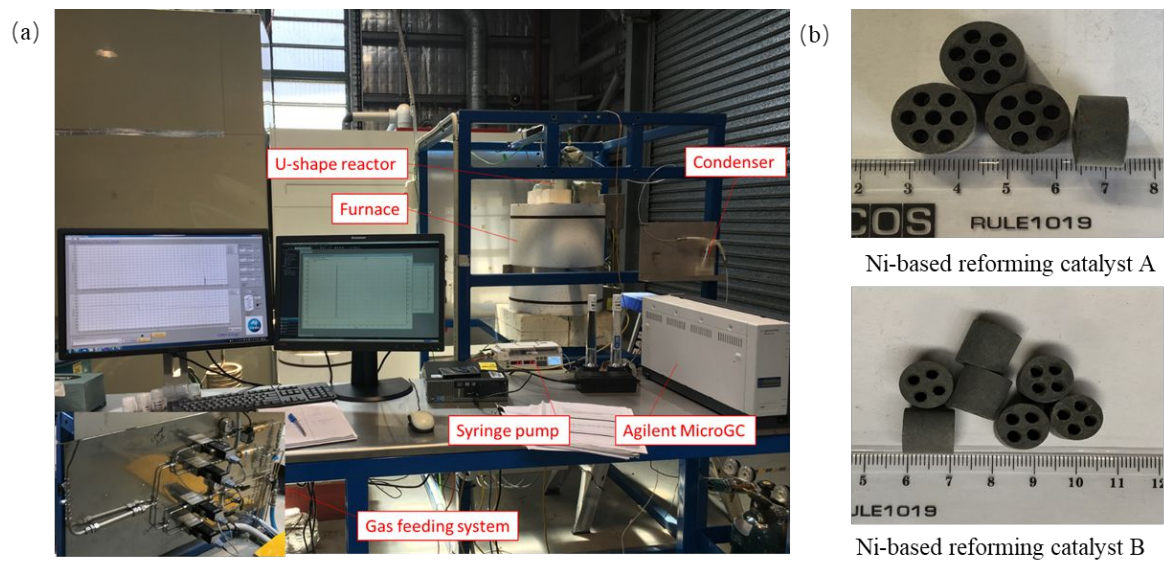


Figure S2 Photos of (a) the lab-scale fixed-bed test unit and (b) commercial Ni-based catalysts for the ATR and SE-ATR tests