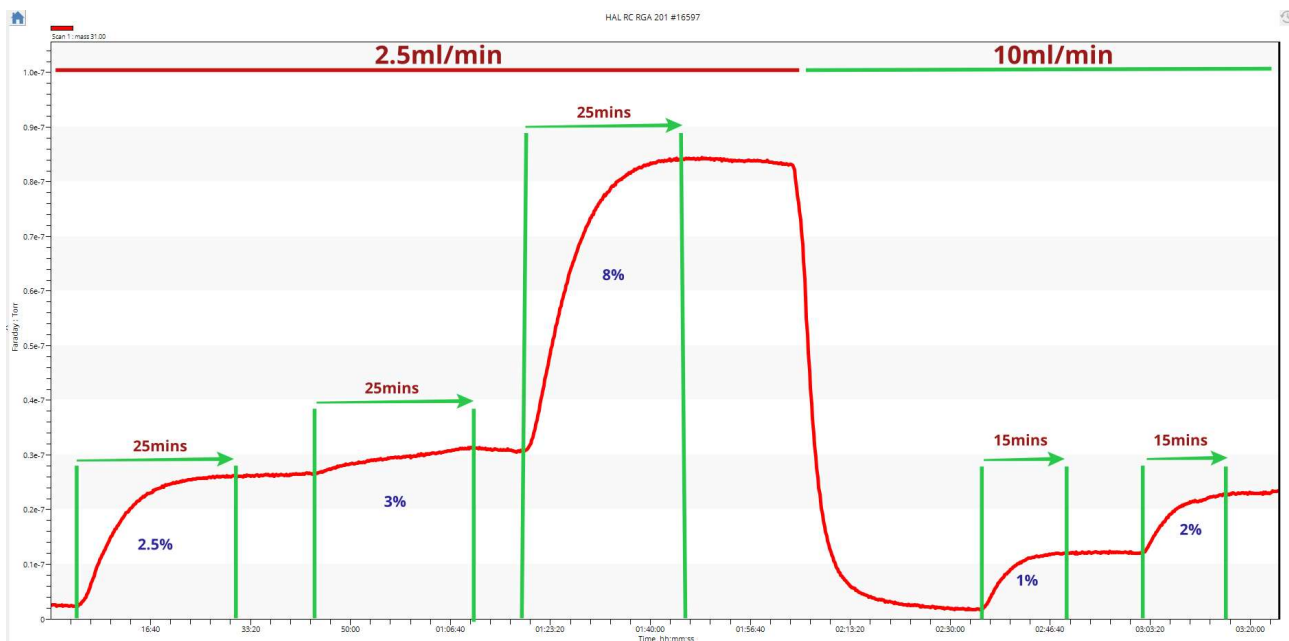


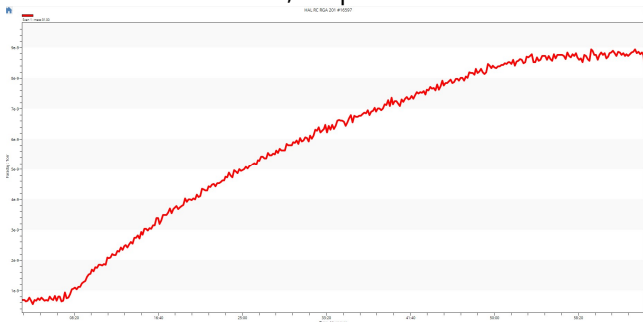
Gas Analysis | HPR-40 LACMI
Performance Data Sheet PDS-30011

Investigation of the Effect of Flowrate on Response Time Using Large Area Circular Membrane Inlet

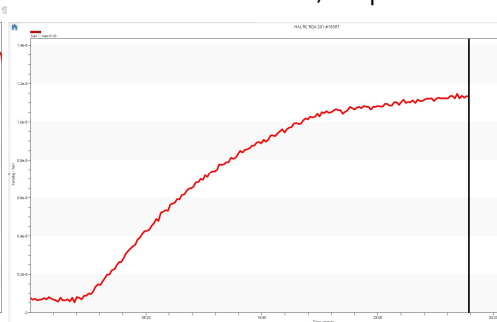
Ethanol at various concentrations and various flow rates was measured using the LACMI.



1% ethanol at 1ml/min, response > 1hr



1% ethanol at 2ml/min, response ~25 mins



Results suggest that there is a significant increase in response time at flow rates lower than 2 ml/min. Response time decreases as flow rate increases. There is no effect from flowrate on sensitivity.