**Equipment to be used:**

Aerosense Microaeth

PM2.5 Side-pack

GPS

Particle number counter

Leland PM2.5 pump + filter

**Method:**

James to meet driver at start of shift

Start of drivers shift - Place equipment set 1 (Microaeth + Sidepack + GPS in drivers cabin).

James then goes to sit in passenger cabin a few carriages behind the drivers cabin, with identical equipment (equipment set 2). Takes a diary of train opening/closing doors and arrival times at stations.

Does this for entire length of the line (1 hour ish?). Turns off equipment set 2.

Depending on equipment set 1 battery, leaves equipment set 1 in the cabin and collects later in the day.

**Mobile monitoring:**

8 December - Victoria line

10 December - Hammersmith & City line

16 December - Northern line

+ Further days in Jan/Feb if possible.

**Fixed monitoring:**

13 January - Waterloo fixed monitoring by Dave Green