

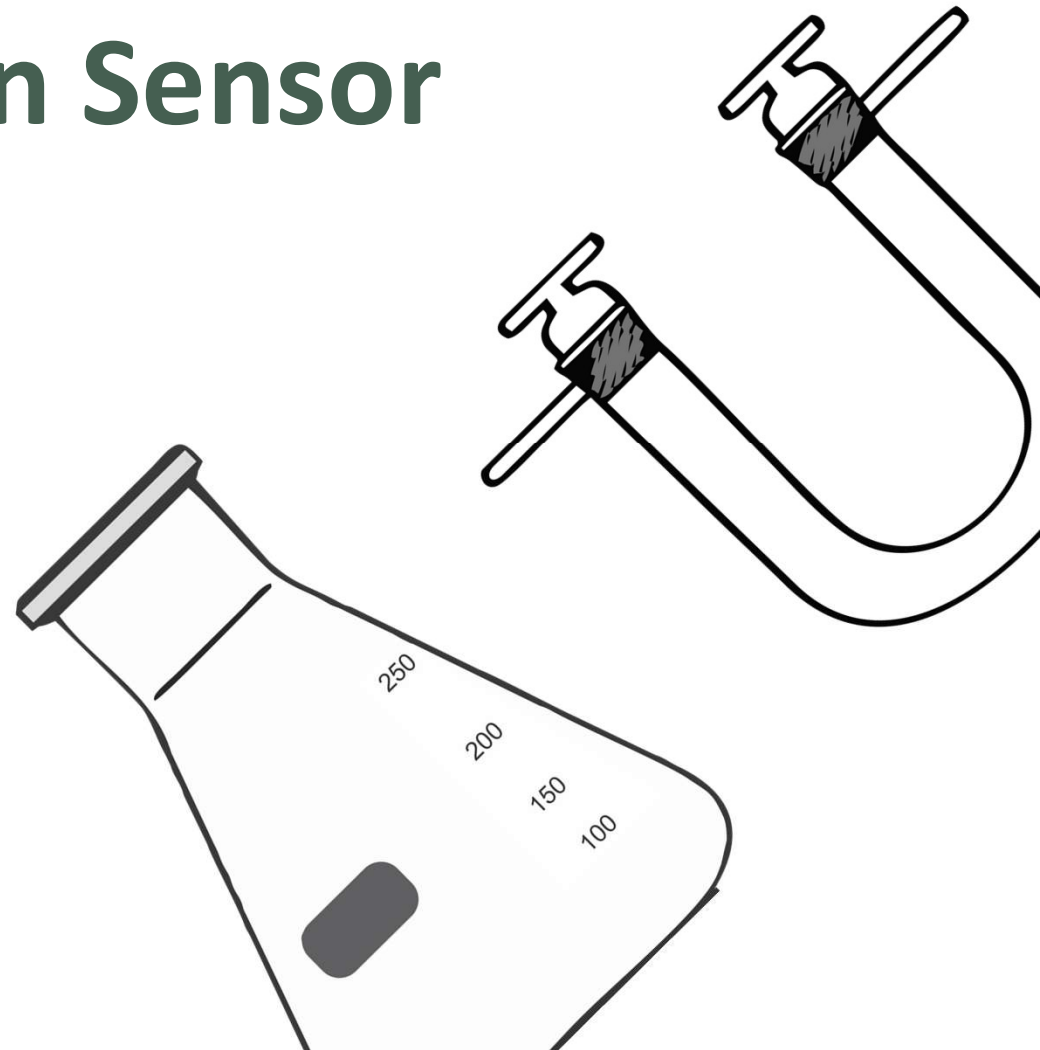
AU Photoionisation Sensor

with active moisture mitigation



Heatwave PID Sensor Performance

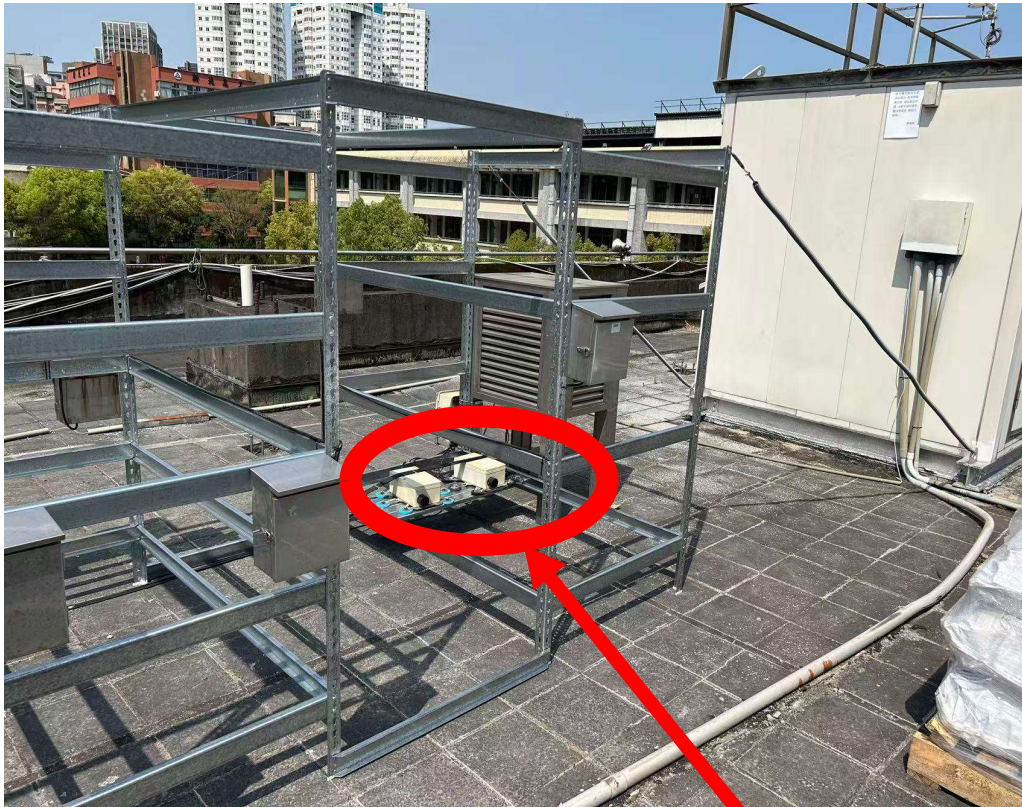
AAQM Qualification Testing



Heatwave – AAQM Qualification

Taiwan EPA Qualification Testing:

for Municipal Ambient Air Monitoring Networks



Over several weeks in mid-2024, a qualification test for ambient air quality monitoring was conducted by a private contractor for the Taiwan EPA.

Instruments were located on a rooftop in the center of Taipei.

Two instruments for measuring TVOC were included and they featured AU Heatwave PID sensors.

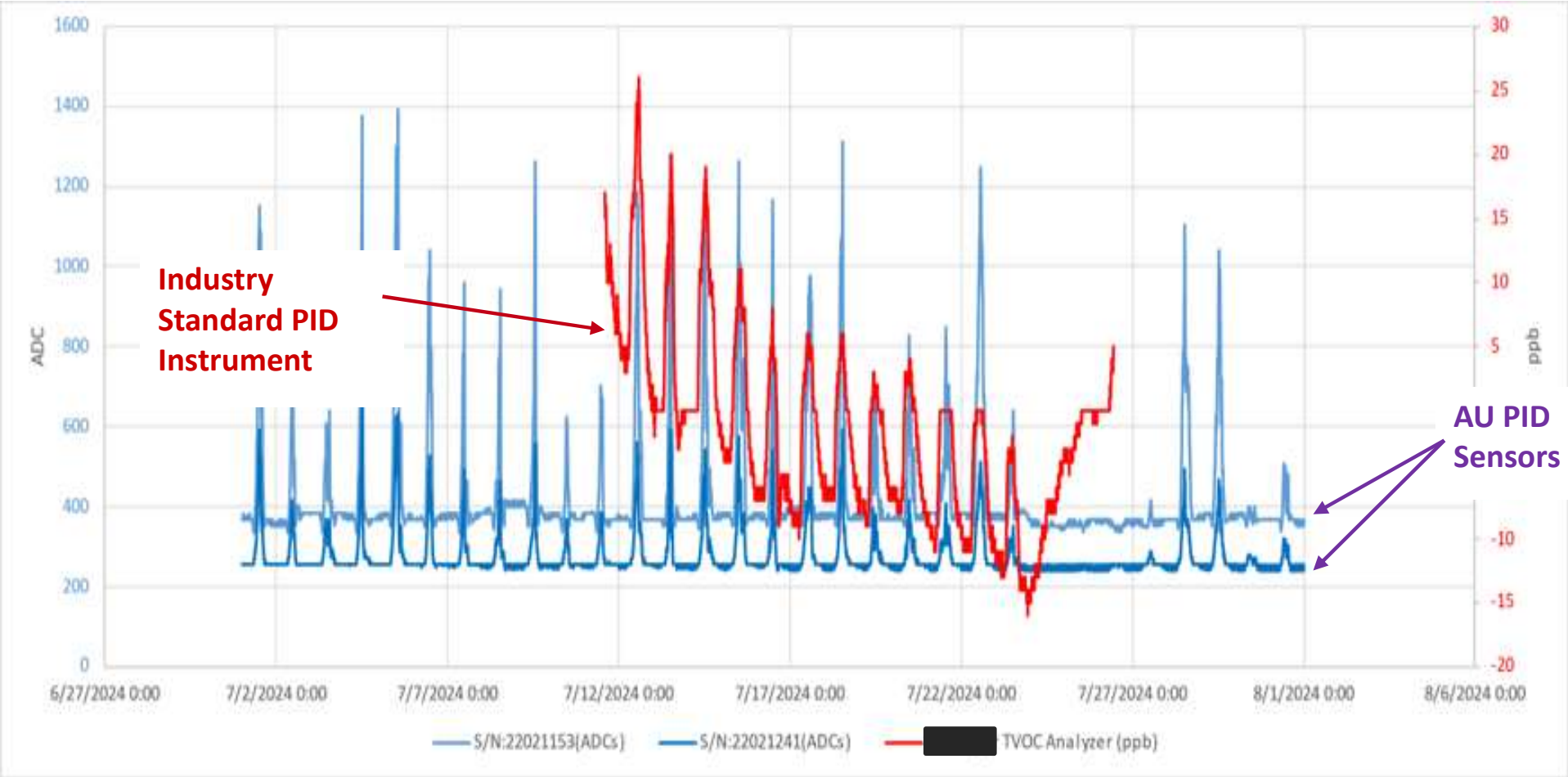
Part of the test also included what is considered an industry standard TVOC analyzer.

AAQM Analyzer Modules



Heatwave – AAQM Qualification

Qualification Testing – Ambient Air in Taipei – 1 Month Data w/ [redacted] ce Included

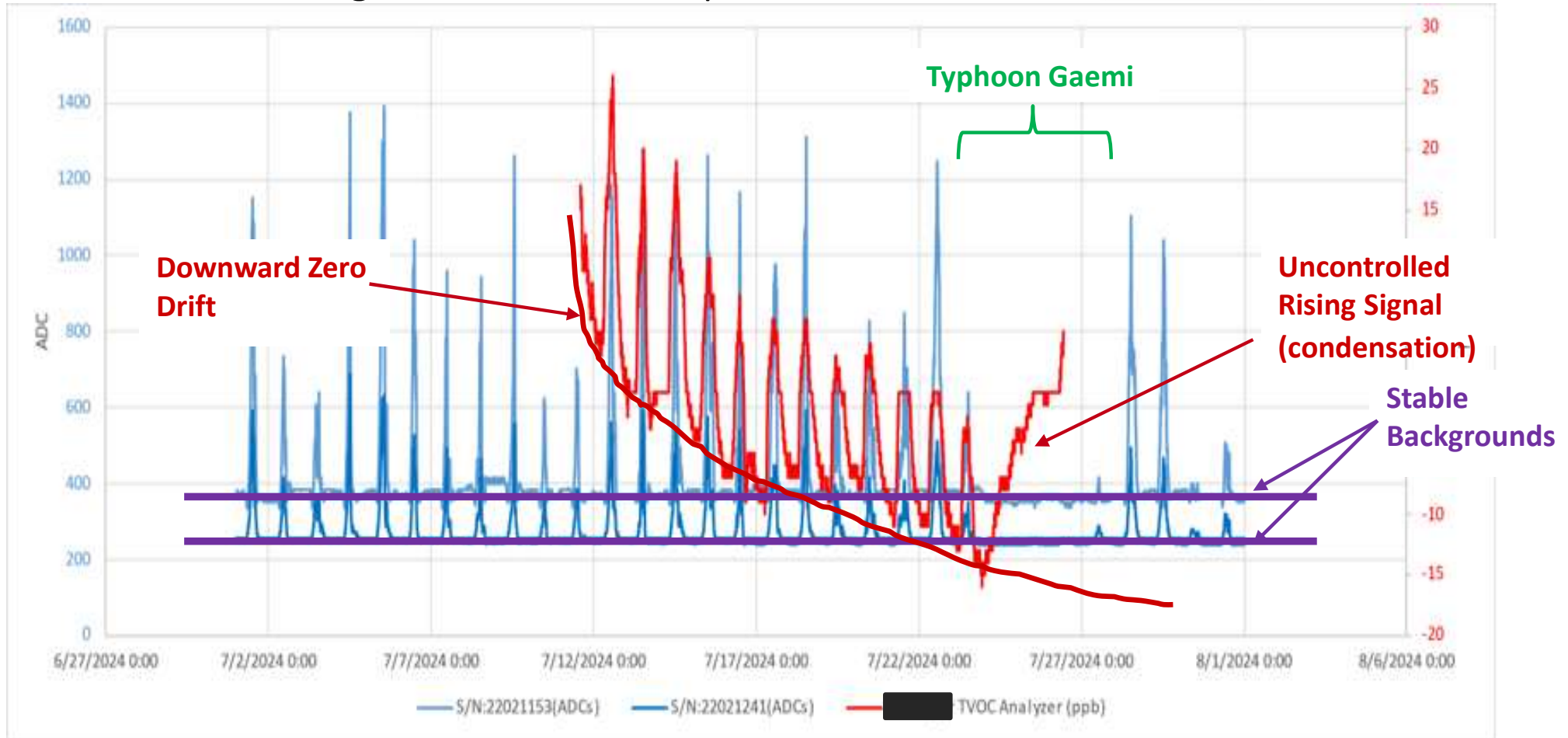


2 Instruments w/Heatwave PID sensors (SNs 22021153 & 22021241) & Partial data from [redacted] TVOC



Heatwave – AAQM Qualification

Qualification Testing – Ambient Air in Taipei – 1 Month Data w/ [REDACTED] Included



2 Instruments w/Heatwave PID sensors (SNs 22021153 & 22021241) & Partial data from [REDACTED] TVOC



Heatwave – AAQM Qualification

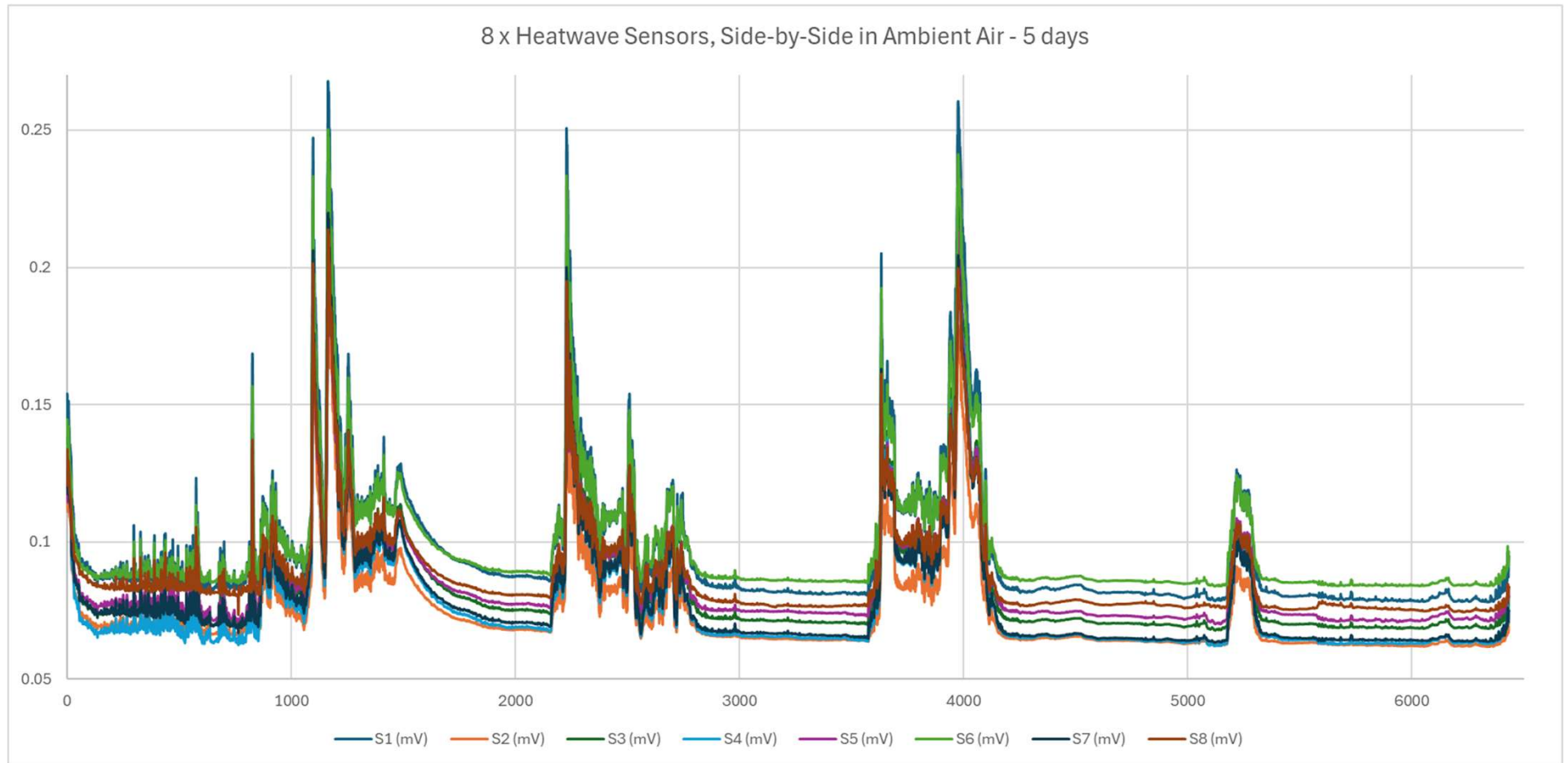
Taiwan EPA Qualification Test Results

- 1) Heatwave PID sensors operated well and provided useful data through the entire duration of the test.
 - a) The 2 test instruments with Heatwave sensors both exhibited stable background throughout the test period
 - b) The Heatwave sensors worked continuously, meeting their performance specifications before, during and after the passing of Typhoon Gaemi.
- 2) The industry standard TVOC analyzer operated for a short time during this test period.
 - a) Initial use of the TVOC analyser provided similar data to the heatwave sensor although it exhibited significant downward background drift.
 - b) In the days just before and during the onset of Typhoon Gaemi, the TVOC analyser instrument began to exhibit significant uncontrolled rising signal; it failed to operate properly. This was most likely caused by condensation within the unprotected PID Sensor of the 3rd party industry standard TVOC Analyzer.
 - c) After the TVOC analyzer failed to work properly, it was removed from the test.



Heatwave – AAQM Qualification

Qualification Testing – Sensor to Sensor response matching



8 Heatwave Sensors – Response matching over 5 days

