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SAMI² CO₂ Calibration Certificate

November 23, 2021

Serial Number: c91
RMA Number:
OOI Number: 091311
Technician: BW
Reagent: btb0409

Table 1: SAMI² CO₂ calibration parameters.

A	B	C	K_{434}	K_{620}	T_{avg}	Range (ppm)
0.0017	0.9097	-2.1683	0.9266	1.0299	12.6603	205–1196

Table 2: Blank intensities.

Source	Reference	Signal
Dark	55	85
434 nm	3430	3209
620 nm	2907	3022

Build Notes

Pressure Test: 200 psi

Modifications:

Standard Refurbishment

New filters & LEDs

repaired pressure cap - damaged vent port threads, epoxied, tamper resistant plug and new port. 2

IR testing

Extended calibration

