TECO 42Cs (NO$_Y$) CALIBRATION CHECK SHEET

DATE: _____ ☐ JULIAN DATE: _____ TECH INIT: _____ LOCATION: _____

PRE CAL FACTORS: **POST CAL FACTORS:**   **SETTINGS:**

NO BKG   : _____   NO BKG   : _____   RANGE   : 20 PPB ☐

NO$_X$ BKG   : _____   NO$_X$ BKG   : _____   AVG TIME   : 60 SEC ☐

PRE BKG   : _____   PRE BKG   : _____   ZERO AIR MFC: (CH2) **100.0** SET = 5.0 LPM ☐

NO COEF   : _____   NO COEF   : _____   SPAN GAS MFC: (CH3) **80.0** SET = 8.0 sccm ☐

NO$_X$ COEF   : _____   NO$_X$ COEF   : _____   (TANK 2.485 ppmv GIVES 4 ppbv SPAN)

DIAGNOSTICS:

INTERNAL TEMP   : _____°C   PRESSURE   : _____ mm Hg
CHAMBER TEMP   : _____°C   OZONATOR FLOW : _____ sccm
COOLER TEMP   : _____°C   SAMPLE FLOW   : _____ LPM
CONVERTER TEMP : _____°C

TIME LOG   **PROCEDURAL STEPS**

_____   SWITCH FLAG OFFLINE ☐

_____   ZERO CAL MODE ☐

                  AIR FLOW: _____   READ (CH2: 100)

                  SPAN FLOW: _____   READ (CH3: 0)

_____   MEASURED ZERO: NO$_Y$:   _____   NO$_Y$ _____   SET 42C ZERO   ☐

_____   SPAN CAL MODE ☐

                  AIR FLOW: _____   READ (CH2: 100)

                  SPAN FLOW: _____   READ (CH3: 80.0)

_____   MEASURED SPAN: NO$_Y$: _____   NO$_Y$ _____   SET 42C SPAN: NO: ☐ (4.0)   NO$_X$ ☐ (4.0)

_____   ZERO MODE ☐

                  AIR FLOW: _____   READ (CH2: 100)

                  SPAN FLOW: _____   READ (CH3: 0)

_____   42C ZERO CHECK: NO$_Y$:_____NO$_Y$ _____   ☐

                  LOG POST CAL FACTORS ☐

                  AMBIENT/AUTO CAL MODE ☐

_____   SWITCH FLAG ONLINE ☐

ADDITIONAL NOTES

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