

FIELD EQUIPMENT VERIFICATION (PRE/POST A WEEKLY SAMPLING):

Teams:	Technician:	Session Sample No:	Pre date:	Pre time:	Post: Date:	Post time:
	Dana Reed	17	2/13/17	10:00 AM		

QA/QC Check	Inst #	Probe #	Last Cal Date	Verification Standard		PRE: Verification Value		POST: Verification Value		Acceptable Range (Check range)	Comments/ Notes
Temperature			N/A			23.1 ^N		24.0 ^N		± 1°C of NIST	Within 1°C Pass
*	2	5-2	—			23.6		24.4			Pass
	2	5-1	—			23.3 - NIST 23.7		24.0 - N 24.4			Pass
Salinity				0ppt	35ppt	~0	33.4	~0	33.4	± 3‰, blank	33.95 – 36.05
*	2	2	12/12/16			0.03	33.8	0.04	33.7		Temp 25.4 C
	2	1	1/24/17			0.03	33.5	0.04	33.5		Temp 25.8 Took long time to settle. Pre + Post
Dissolved Oxygen				100%		100%		100%		Post-check ± 5 % of pre-check (0-100%)	80 – 120 %
*	2	2	7/25/16			98.1		100.8			
	2	1	7/25/16			98.3		98.3			
pH				7	10	7.00	10.01	7.0	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21
*	2	3	2/13/16			7.00	10.02	7.02	10.02		
	2	2	2/13/16			6.99	9.97	7.02	9.99		Very slow Takes > 3min however accuracy not too bad

Notes:

Probes that were used in the field this week are marked by an asterisk *

All of the probes temp. sensors agree with each other within 0.1 C. However, the NIST standard is now ~ 0.3 – 0.4 C less than all probes. Suspect the NIST standard.

Hui O Ka Wai Ola, 12/12/2016