

No need  
→

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

Technician Name(s): Dana Reed  
Ty Freiburg

Bill Rathfon

Teams:	Technician	Samplers:	Sample No:	Pre date:	Pre time:	Post Date:	Post time:
R2R				12/12/16	9:30 AM	12/16/16	12:30 PM

QA/QC Check	Inst #	Probe #	Last Cal Date	Verification Standard		PRE: Verification Value		POST: Verification Value		Acceptable Range (Check range)	Comments/ Notes
Temperature						24.3/24.5	23.7/24.1			± 1°C of NIST	Within 1°C
	2	S-1	No temp		24.3	24.5	24.1			Pass	
	2	S-2	Cal		24.5	24.7	24.2			Pass	
Salinity				0ppt	35ppt		33.4	Tap		± 3%, blank	Secondary standard (lab) 33.95 - 36.05
	2	S-1	12/12/16		33.3		33.3	0.04	33.7	Pass	
	2	S-2	12/12/16		33.4		33.4	0.04	33.6	Pass	
Dissolved Oxygen				100%						Post-check ± 5 % of pre-check (0-100%)	80 - 120 %
	2	D-1	7/25/16		100	97.9	97.7			Pass	
	2	D-2	7/25/16		100	98.7	101.5			Pass	
pH				7	10	7		7		± 3 % of calibration solution (6-8)	6.79 - 7.21
	2	P-1	12/12/16	7.0	10.01	6.95		7.06		Pass	Probe very slow to stabilize - did not use in field
	2	P-2	12/12/16	7.00	10.01	7.01		7.01		Pass	Quick to stabilize

Notes:

pH probe #1 Before cal { 4.01 → 4.01  
7.00 → 6.95  
10.01 → 9.77

pH probe #2 Before cal pH 7.00 → 7.01

Hui O Ka Wai Ola, 12/12/2016



Sensor No: 21600-1 Instrument No: 21009-1

QA /QC Check	Last cal date	Time	Cal Standard	Cal Value
Turbidity, Stable Cal	12/12/16	9:45	20	20.0
			100	99.7
			800	795
	Gelex: 5.69 10.5 58.2 629		20	10.5
			100	
			800	
Salinity			0	
			35	
Dissolved Oxygen			100	
pH			4	
			7	
			10	

Sensor No: \_\_\_\_\_ Instrument No: \_\_\_\_\_

QA /QC Check	Last cal date	Time	Cal Standard	Cal Value
Turbidity, Stable Cal			20	
			100	
			800	
Temperature	n/a		n/a	
Salinity			0	
			35	
Dissolved Oxygen			100	
pH			4	
			7	
			10	

3 different probes

Sensor No: 2 Instrument No: H640D-2

QA /QC Check	Last cal date	Time	Cal Standard	Cal Value
Turbidity, Stable Cal			20	
			100	
			800	
			20	
			100	
			800	
Salinity	12/12/16	10:35	0	
			35	35.0
Dissolved Oxygen	7/25/16	11:15	100	100
pH	12/12/16	9:40	4.01	4.01
			7.00	7.00
			10.01	10.01

Sensor No: \_\_\_\_\_ Instrument No: \_\_\_\_\_

QA /QC Check	Last cal date	Time	Cal Standard	Cal Value
Turbidity, Stable Cal			20	
			100	
			800	
			20	
			100	
			800	
Salinity			0	
			35	
Dissolved Oxygen			100	
pH			4	
			7	
			10	

Hui O Ka Wai Ola, 12/12/2016