



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

Session No:	Verifiers (pre-sampling):	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
Lana'i 07	C. Keyhani	11/6/23	11:30 AM	J. Ennin C. Keyhani Y. St-Louis	11/13/23	2:00 PM

QA/QC Check	Inst #	Probe #	Last Cal Date		PRE: Verification Value		POST: Verification Value		Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST	NIST	NIST	NIST	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	2				27.2 °C	°C	29.5 °C	°C			
	3	7	28 JUNE 2024		27.1		29.5				
Salinity			3 months	Std Val	Tap water	Salin Std	Tap water	Salin Std	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
					0.13	11/6/23 date 33.5 ppt	0.13	11/6/23 date 33.5 ppt			
	3	7	6 NOV 2023		0.16	33.7	0.18	33.3			
Dissolved Oxygen			1 year	Std Val	100%		100%		± 5 %		
					101.0		101.4				
	3	3	17 July 2023								
pH			3 weeks	Std Val	pH 7.00	pH 10.00	pH 7.00	pH 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
					7.02	10.02	7.02	10.01			
	3	5	6 NOV 2023		7.02	10.02	7.02	10.01		P4 7+10 Exp 5/12/24	
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10 NTU	BLANK <0.1	LOW 1-10 NTU	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
					0.08	6.77	0.05	6.80	Low std. 6.82		
	5	n/a	6 NOV 2023		0.08	6.77	0.05	6.80			

QA: \* Are pre- and post within one week?  
\* Delay times are ok?  
\* Other equipment issues?

NMS Lab



Hawaiian Islands Sample Collection Data-sheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	Y. St-Louis, C. Keyhani	Meters and Probes ID		
Session	7			HQ2200: 3		2100Q: 5
Date	11/13/2023			pH: 5	DO: 3	Salinity: 7

Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	Dissolved Oxygen		pH 8-8.3 normal	Turbidity (NTU)			People (within 100 ft)		
					(mg/L) 5.2-7.0 normal	(%) 85-105 normal					water	beach	camp
Mānele Bay LMN231113	N	8:55	CK 25.8	35.8	6.31	93.9	8.15	2.36 YMS 2.47	2.10	2.08	0	0	0
Hulopo'e Beach Park LHB231113	N	9:50	26.3	35.8	6.69	100.6	8.20	0.93 0.98 CK	0.80	0.91	0	1	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).  
Use the back of the form if needed.

LMN - Light wind, sunny, dropping tide, tide currently at 0.8ft, light brown water  
Turbidity 4th & 5th reading  
: 2.76, 2.36

LHB - Light wind, sunny, dropping tide, tide currently at 0.6ft, shorebreak, Very clear  
4th turbidity reading

TURBIDITY VERIFICATION & PROBE TEMPERATURES

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.08	6.82	60.8	607
Field - Pre-sample	0.09	6.74	60.9	607
Lab - Post sample	0.05	6.80	61.0	606
Probes (+/- 0.2 °C)	Salinity	DO	pH	Notes
Verify Probe Temps	25.8	25.7	25.7	

CHAIN OF CUSTODY INFORMATION

	# of samples	Relinquished to	Contact
Nutrients	2	NMS	YMS

Signature (Team Lead):

Printed Name:

Ymayen

Ylenia Mayen St-Louis

Turbidity Field Sample - 2nd low reading taken after cleaning  
Turbidity Post Sample - Blank read: 0.11, 0.11, cleaned, 0.05!  
with silicone oil

Sites with potential for freshwater flow: None



## Hui O Ka Wai Ola - Sample Collection Data Sheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	Y. St-Louis C. Keyhani
Session	7		
Date	11/13/2023		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
LMN231113-N-1	Mānele Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0855	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
LHB231113-N-1	Hulopo'e Beach Park	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0950	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments							
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		

Signature (Team Lead):	Printed Name:
Ymayen	Ylenia Mayen St-Louis