

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

Session No:	Verifiers (pre-sampling):	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
Lanai 06	C. Keyhani, M. Sharpe	10/19/2023	10:15 AM	Y. St-Louis, M. Sharp	10/23/23	1330

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				24.7 °C	°C	28.7 °C	°C			
	4	8	28 JUN 2024		24.6		28.5				
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	9/11/23 date 34.0 ppt	0.13	9/11/23 date 34.0 ppt			
	4	8	7 AUG 2023		0.19	33.9	0.19	34.0			
Dissolved Oxygen			1 year	Std Val	100%		100%		± 5 %		
	4	4	17 July 2023		102.5		101.2				
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	
	4	6	10/19/23		7.00	10.01	7.03	10.02			
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	
	2 sm	n/a	7 Aug 2023		0.06	6.32	0.05	6.40		Low: 6.31	
		n/a									

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

NMS Lab

Hui O Kāhuna Ola - Sample Collection Datasheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	Sharpe, M St. Louis, Y	Meters and Probes ID		
Session	6			HQ2200: SM4		2100Q: SM4
Date	10/23/2023			pH: SM6	DO: SM4	Salinity: SM8

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 LMN231023	N	9:14	27.4	36.2	6.20	95.1	8.07	2.72	2.89	2.89	0	0	0
Hulopo'e Beach Park LHB231023	N	9:40	26.9	36.2	6.77	103.2	8.10	.90	.90	1.01	0	0	0

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

LMN: high tide, brownish water 4th TURB 2.89
sunny, partly cloudy (nimbus)

LHB: some floating particles in sample
other than sand. strong shorebreak
water clear, sunny, partly cloudy
light breeze, beach area empty

TURBIDITY VERIFICATION & PROBE TEMPERATURES

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.05	6.31	56.8	601
Field - Pre-sample	0.06	6.36	56.8	603
Lab - Post sample	0.05	6.40	56.6	602
Probes (+/- 0.2 °C)	Salinity	DO	pH	Notes
Verify Probe Temps	27.4	27.2	27.3	

CHAIN OF CUSTODY INFORMATION

	# of samples	Relinquished to	Contact
Nutrients	2	NMS	Sharpe

Signature (Team Lead):

Printed Name:

Sharpe

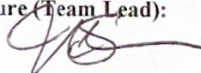
Sites with potential for freshwater flow: None

Hui O K. Ola - Sample Collection Datasheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	Sharpe, M St. Louis, Y
Session	6		
Date	10/23/2023		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
LMN231023-N-1	Mānele Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0914	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
LHB231023-N-1	Hulopo'e Beach Park	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0940	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:
	Sharpe