

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

Session No:	Verifiers (pre-sampling):	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
Landi 08	E. Johnson, C. Keyhani	11/30/23	10:30 AM	Y. St-Louis, C. Keyhani	12 4 2023	1345

QA/QC Check	Inst#	Probe #	Last Cal Date			RE: tion Value	POST: Verification Value		Acceptable Range	Comments/ Notes	QA
Temperature	NIST 2	n/a	NIST Exp. Date	Std Val	<u>NIST</u> 29.2 ℃	<u>NIST</u>	NIST 28.7 _C	NIST —°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	4	8	6/28/24	ly.	29.2	5	28.5				
Salinity		0	3 months	Std Val	<u>Tap water</u> 0.\3	Salin Std 11/6/23/late 33,5ppt	Tap water O. 13	Salin <u>Std</u> W27/23 date 34.4 _ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	4	8	11/6/23		0.18	33.5	0.18	33.9			
Dissolved Oxygen			1 year	Std Val	100%		100% 100%		± 5 %		
	4	4	7/17/23		102	.4	100.	2			
рН			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	4	11/27/23		6.99	9.99	6.99	9.95			
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	n/a	11/6/23		0.04	6.64	0.03	6.65		Low stnd: 6.60	

QA:

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

NMS Lab

Team	Lana'i	Samplers	YSt-louis, L. Yannell.	Meters and Probes ID			
Session	8	(Last Name, 1st Initial)	Y. St-Louis, C. garvell,	HQ2200: 4		2100Q:	2
Date	12/04/2023		M, Dexner	pH: 6	DO: 4		Salinity: 8

Location Name Sample ID			7 - 7 - 7	Salinity	Dissolved	Dissolved Oxygen				People (within 100 ft)		
	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	pH 8-8.3 normal	Turbidity (NTU)		water	beach	camp
Mānele Bay LMN231204	N	0 8 55	26.4	36.0	6.32	95.2	8,04	5.19 × 35	5.40	Ø	Ø	Ø
Hulopo'e Beach Park LHB231204	N	0930	25.9	36.0	6.85	102.3	8.14	1.23 1.71	1.68	Ø	Ø	Ø

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

LMN-Light wind, clear sky, calm, High tide

@923. farbor water Looks brown

Lots of vain last week > 1"

Some vain last night

Swell last week as well

Took 4th turbidity: 5.73.

LHB- calm water, normal sut shove

break; pond full across parking lot

from last week's rain. Workers

pumping water out.

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.06	20.60	58.3	592
Field – Pre-sample	0.06	6.67	58.4	593
Lab – Post sample	0.03	6,65	58.5	593
Probes (+/- 0.2 °C)	Salinity	D.O.	pН	Notes
Verify Probe Temps	26.4	26.2	26.3	

	CHAIN OF CUSTO	DY INFORMATION	1
	# of samples	Relinquished to	Contact
Nutrients	2	NMS	yns

Signature (Team Lead):

Printed Name:
Liz Yannell

Sites with potential for freshwater flow: None

Hai O Ka Wai Ola - Sample Collection Datastree

Team	Lana'i	Samplers (Last	4. St-Louis, L. Yannell, M. Oexner
Session	8	Name, 1st Initial)	1. 31 20013, 2. 17 Well, 100 CKNC
Date	12/04/2023		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
LMN231204-N-1	Mānele Bay	Ø		0855	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
LHB231204-N-1	Hulopo'e Beach Park	Z		0930	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Nan	ie:		
Imaja	Ylenia	Mayen	St-Couis	
0, ,				