

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-082 Foil LaPer</u>		Cast/Station Name: _____		Analysis Date (dd mmm yyyy): <u>7 Sept 2022</u>	
Autosal Model: _____		Serial Number: <u>73274</u>			
Initial Standby Value: <u>24.5985</u>		Ratio After Standardization: <u>0.999857</u>			
Cell Standardization (Daily)	Standardization Values:	Standard Info.		Bath Temperature: <u>24</u> °C	
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>4.85</u>	K ₁₅ VALUE: <u>0.99986</u>		Sample Temperature: _____ °C	
	After: <u>4.84</u>	Batch #: <u>P165</u>		Room Temperature: <u>21</u> °C	
	Notes: <u>small Adjust</u>	Batch Date: <u>15AP2024</u>		Analyst: <u>HS</u>	

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
P165	Calibration		1.99974	1.99972		small adjustment.
P165	Sample		1.99969	1.99969		PSM 24.9943
436A	CS00	4	1.96816	1.96816		34.3745
444	CS00	12	1.93802	1.93801		33.7836
452	CS00	20	1.81396	1.81395		chertograph in sample
440	CS00	8	1.94719	1.94721	1.94722	33.9636
448	CS00	16	1.86493	1.86493		32.3590
459	CS02	5	1.96083	1.96082		34.2304
438	CS00	6	1.95450	1.95453	1.95453	deIR 34.1071
445	CS00	13	1.92269	1.92270		33.4840
443	CS00	11	1.93945	1.93945		33.8118
451	CS00	19	1.81975	1.81975	1.81975	31.4816
434A	CS00	82	1.97433	1.97434	1.97435	connection loss 34.0145
439	CS00	7	1.94981	1.94978	1.94980	34.0145
4347	CS00	15	1.86858	1.86857		32.4291
442	CS00	10	1.94187	1.94185	1.94185	33.9586
449	CS00	17	1.85943	1.85942		32.2510
458	CS02	4	1.96701	1.96700		34.3517
437	CS00	5	1.96316	1.96317		34.2766
446	CS00	14	1.90165	1.90167	1.90165	33.0732
435A	CS00	3	1.97207	1.97207		34.4514
441	CS00		1.94464	1.94464		33.9134
450	CS00	18	1.85343	1.85343		32.1347
DWR	2022-082 446	P23	1.97800	1.97839		34.5794
280	LD11	3	1.97298	1.97290	1.97290	Final Standby Value:
287	LD11	10	1.94153	1.94153		24.5985

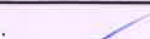
Notes: good SALLY
oops, not sure where I saved hdr file too... hmmm Found! put back!!

436A Sal CS00 2022-022 1000 m bot 4	444 Sal CS00 2022-022 150 m bot 12	452 Sal CS00 2022-022 5 m bot 20	440 Sal CS00 2022-022 300 m bot 8	448 Sal CS00 2022-022 50 m bot 16	459 Sal CS02 2022-022 750 m bot 5	438 Sal CS00 2022-022 500 m bot 6	445 Sal CS00 2022-022 125 m bot 13	443 Sal CS00 2022-022 175 m bot 11
--	---	---	--	--	--	--	---	---

451 Sal CS00 2022-022 10 m bot 19	434A Sal CS00 2022-022 1500 m bot 2	439 Sal CS00 2022-022 400 m bot 7	447 Sal CS00 2022-022 75 m bot 15	442 Sal CS00 2022-022 200 m bot 10	449 Sal CS00 2022-022 30 m bot 17	458 Sal CS02 2022-022 1000 m bot 4	437 Sal CS00 2022-022 750 m bot 5	446 Sal CS00 2022-022 100 m bot 14
--	--	--	--	---	--	---	--	---

435A Sal CS00 2022-022 1250 m bot 3	441 Sal CS00 2022-022 250 m bot 9	450 Sal CS00 2022-022 20 m bot 18	280 Sal LD11 2022-022 1250 m bot 3	287 Sal LD11 2022-022 200 m bot 10
--	--	--	---	---

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-0822 LaP</u>		Cast/Station Name: _____		Analysis Date (dd mmm yyyy):	
Autosal Model: _____		Serial Number: <u>73274</u>		<u>7</u> <u>Sept</u> <u>2022</u>	
Initial Standby Value: <u>24 + 5985</u>		Ratio After Standardization: <u>0.999857</u>			
Cell Standardization (Daily)		Standardization Values:		Standard Info.	
Conductivity must be ± 0.00001 compared to Standard 	Before: 		K ₁₅ VALUE: <u>0.999</u>		Bath Temperature: <u>24</u> °C
	After: 		Batch #: 		Sample Temperature: _____ °C
	Notes: _____		Batch Date: _____		Room Temperature: <u>~21.5</u> °C
				Analyst: <u>HS.</u>	

[illegible]

Notes: good good

298 Sal LD11 2022-022 10 m bot 21	282 Sal LD11 2022-022 750 m bot 5	290 Sal LD11 2022-022 125 m bot 13	328 Sal LG06 2022-022 5 m bot 17	285 Sal LD11 2022-022 300 m bot 8	295 Sal LD11 2022-022 30 m bot 18	261 Sal LD08 2022-022 500 m bot 3	288 Sal LD11 2022-022 175 m bot 11	299 Sal LD11 2022-022 5 m bot 22
--	--	---	---	--	--	--	---	---

279A Sal LD11 2022-022 1500 m bot 2	286 Sal LD11 2022-022 250 m bot 9	297 Sal LD11 2022-022 20 m bot 20	283 Sal LD11 2022-022 500 m bot 6	291 Sal LD11 2022-022 100 m bot 14	313 Sal LG06 2022-022 750 m bot 2
--	--	--	--	---	--

3/6

Water Properties Group

Institute of Ocean Sciences, Ocean Sciences Division

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-022Lap</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>8 Sept 2022</u>
Autosal Model: _____	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24+5985</u>	Ratio After Standardization: <u>0.999857</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>4.84</u> After: <u>None</u> Notes: _____	K ₁₅ VALUE: <u>0.99986</u> Batch #: <u>None</u> Batch Date: _____
		Bath Temperature: <u>24</u> °C Sample Temperature: _____ °C Room Temperature: <u>22.2</u> °C Analyst: <u>HS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
DWR	Check		1.97857	1.97857		PSU 34.5789
289	LD11	12	1.93356	1.93357		33.6966
5099	Loop99	1	1.96806	0.00000 FLAG	1.96807	34.5728
284	LD11	7	1.84767	1.84764	1.84764	32.0222
292	LD11	15	1.94800	1.94810		33.9812
5120	Loop120	1	1.86020	1.86022	1.86022	
5120	Loop120		1.82032	1.82035		31.6481
5049	Loop49	1	1.84920	1.84920		32.0527
222	LC02	7	1.80262	1.80262		31.1504
433	CS00	1	1.97860	1.97860		34.5792
119	LB14	4	1.95300	1.95301	1.95300	34.0774
140	LC11	5	1.95242	1.95242		34.0657
415	LBP3	2	1.94448	1.94448		33.9103
28	LB01	4	1.86895	1.86895		31.2727
138A	LC11	3	1.96862	1.96857	1.96859	34.3029
260	LD08	2	1.96175	1.96171	Lost connection to DATA	
260	LD08	2	1.96175	1.96208	1.96173	34.2490 ^{permanently} lost first 3 reads.
118	LB14	20	1.96575	1.96576		No insert flag
190	LC08	12	1.82309	1.82306	1.82305	31.5439 0°
5148	Loop	1	1.81307	1.81307		
139	LC11	4	1.96273	1.96269	1.96269	
397	LBP5	8	1.96733	1.96730		34.3580
117A	LB14	2	1.96852	1.96852		34.5816
DWR			1.97860	1.97864	1.97862	34.5797
						Final Standby Value: <u>24+5985</u>

Notes: Continue yesterdays calibration

289 Sal LD11 2022-022 150 m bot 12	281 Sal LD11 2022-022 1000 m bot 4	5099 Sal Loop99 2022-022 Loop m bot 1	284 Sal LD11 2022-022 400 m bot 7	292 Sal LD11 2022-022 75 m bot 15	5120 Sal Loop120 2022-022 Loop m bot 1	5049 Sal Loop49 2022-022 Loop m bot 1	222 Sal LC02 2022-022 5 m bot 7	433 Sal CS00 2022-022 2000 m bot 1
---	---	--	--	--	---	--	--	---

119 Sal LB14 2022-022 500 m bot 4	140 Sal LC11 2022-022 500 m bot 5	415 Sal LBP3 2022-022 150 m bot 2	28 Sal LB01 2022-022 5 m bot 4	138A Sal LC11 2022-022 1000 m bot 3	260 Sal LD08 2022-022 750 m bot 2	118 Sal LB14 2022-022 750 m bot 2	190 Sal LC08 2022-022 5 m bot 12	5148 Sal Loop148 2022-022 Loop m bot 1
--	--	--	---	--	--	--	---	---

139 Sal LC11 2022-022 750 m bot 4	397 Sal LBP5 2022-012 1000 m bot 3	117A Sal LB14 2022-022 1000 m bot 2
--	---	--

AUTOSAL ANALYSIS LOGSHEET

4/6

Cruise ID: <u>2022-022</u>	Cast/Station Name: <u>LaPercuse Fall</u>	Analysis Date (dd mmm yyyy): <u>12 Sept 2022</u>
Autosal Model: _____	Serial Number: <u>73274</u>	
Initial Standby Value: <u>2415988</u>	Ratio After Standardization: <u>0.999867</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>4.84</u> After: <u>4.88</u> Notes: _____	K ₁₅ VALUE: <u>0.999 86</u> Batch #: <u>P165</u> Batch Date: <u>AP 2024</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: _____ °C Room Temperature: <u>21.5</u> °C Analyst: <u>HS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
P 165	Calibration		1.99968	1.99972		correction 0.000007
P165	SAMPLE		1.99970	1.99970		PSU 34.9941 ✓
DWR			1.97862	1.97865		34.5798 (-0.009)
P165	SAMPLE		1.99965	1.99964	1.99966	34.9930 (-0.001)
12	Har059	11	1.71361	1.71361		34.294368
137	LC11	2	1.97759	1.97261	1.97263	insert leaking.
258	LD09	8	1.84704	1.84709	1.84708	32.0109 0
74	LB08	17	1.84468	1.84468		31.9646
396	LBP5	2	1.97154	1.97158	1.97158	34.4413
154	LC11	19	1.84718	1.84724	1.84720	32.0131
3143	Lap143	1	1.82255	1.82255		31.856
374A	LBP7	1	1.97922	1.97923		
379	LBP7	6	1.95420	1.95420		34.1004
387	LBP7	14	1.91731	1.91730		33.3783
375A	LBP7		1.97499	1.97499		34.5081
382	LBP7	9	1.94449	1.94430		33.9102
390	LBP7	17	1.85697	1.85697		32.2033
377	LBP7	4	1.96792	1.96791		34.3694
385	LBP7		1.93609	1.93610		33.7458
393	LBP7	20	1.83252	1.83253		31.7287
380	LBP7	7	1.94689	1.94689		33.9072
388	LBP7	15	1.88299	1.88299		32.7090
DWR			1.97864	1.97865		34.5799
381	LBP7	8	1.94752	1.94754	1.94754	33.9699
389	LBP7	16	1.86554	1.86556		
376A	LBP7	3	1.97228	1.97227		Final Standby Value: 2415988

Notes: _____

12 Sal Haro59 2022-022 5 m bot 11	137 Sal LC11 2022-022 1250 m bot 2	258 Sal LD06 2022-022 5 m bot 8	74 Sal LB08 2022-022 5 m bot 17	396 Sal LBP5 2022-012 1250 m bot 2	154 Sal LC11 2022-022 5 m bot 19	5143 Sal Loop143 2022-022 Loop m bot 1	374A Sal LBP7 2022-022 2000 m bot 1	379 Sal LBP7 2022-022 500 m bot 6
--	---	--	--	---	---	---	--	--

387 Sal LBP7 2022-022 100 m bot 14	375A Sal LBP7 2022-022 1500 m bot 2	382 Sal LBP7 2022-022 250 m bot 9	390 Sal LBP7 2022-022 30 m bot 17	377 Sal LBP7 2022-022 1000 m bot 4	385 Sal LBP7 2022-022 150 m bot 12	393 Sal LBP7 2022-022 5 m bot 20	380 Sal LBP7 2022-022 400 m bot 7	388 Sal LBP7 2022-022 75 m bot 15
---	--	--	--	---	---	---	--	--

381 Sal LBP7 2022-022 300 m bot 8	389 Sal LBP7 2022-022 50 m bot 16	376A Sal LBP7 2022-022 1250 m bot 3
--	--	--

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-0027</u>	Cast/Station Name: <u>LAPercuse Fall</u>	Analysis Date (dd mmm yyyy): <u>12 Sept 2022</u>
Autosal Model: _____	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24+59.86</u>	Ratio After Standardization: <u>0.999867</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: _____ After: _____ Notes: _____	K ₁₅ VALUE: <u>0.999</u> Batch #: _____ Batch Date: _____
		Bath Temperature: <u>24</u> °C Sample Temperature: _____ °C Room Temperature: <u>22</u> °C Analyst: <u>HS</u>

[illegible]

Notes: _____

383
Sal
LBP7
2022-022
200 m
bot 10

391
Sal
LBP7
2022-022
20 m
bot 18

384
Sal
LBP7
2022-022
175 m
bot 11

392
Sal
LBP7
2022-022
10 m
bot 19

378
Sal
LBP7
2022-022
750 m
bot 5

386
Sal
LBP7
2022-022
125 m
bot 13

572
Sal
GEO1
2022-022
350 m
bot 1

5203
Sal
Loop148
2022-022
Loop m
bot 1

583
Sal
42
2022-022
10 m
bot 3

5206
Sal
Loop206
2022-022
Loop m
bot 1

460A
Sal
CS02
2022-022
500 m
bot 6

497
Sal
CS06
2022-022
5 m
bot 10

547
Sal
12
2022-022
30 m
bot 10

539
Sal
12
2022-022
300 m
bot 2

578
Sal
GEO1
2022-022
10 m
bot 7

477
Sal
CS02
2022-022
5 m
bot 23

581
Sal
42
2022-022
Bot-10 m
bot 1

535
Sal
JS01
2022-022
5 m
bot 10

375B
Sal
LBP7
2022-022
1500 m
bot 2

460B
Sal
CS02
2022-022
500 m
bot 6

374B
Sal
LBP7
2022-022
2000 m
bot 1

376B
Sal
LBP7
2022-022
1250 m
bot 3

279B
Sal
LD11
2022-022
1500 m
bot 2

138B
Sal
LC11
2022-022
1000 m
bot 3

434B
Sal
CS00
2022-022
1500 m
bot 2

117B
Sal
LB14
2022-022
1000 m
bot 2

436B
Sal
CS00
2022-022
1000 m
bot 4

435B
Sal
CS00
2022-022
1250 m
bot 3