

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-020</u>		Cast/Station Name: <u>many</u>		Analysis Date (dd mmm yyyy): <u>10 oct 2024</u>	
Autosal Model: <u>8400B</u>		Serial Number: <u>73274</u>			
Initial Standby Value: <u>24 + 5986</u>		Ratio After Standardization: _____			
Cell Standardization (Daily)	Standardization Values:	Standard Info.		Bath Temperature: <u>24</u> °C	
Conductivity must be ± 0.00001 compared to Standard 	Before: _____	K ₁₅ VALUE: <u>0.999 87</u>		Sample Temperature: <u>22</u> °C	
	After: _____	Batch #: <u>P166</u>		Room Temperature: <u>22</u> °C	
	Notes: _____	Batch Date: <u>6 Apr 2025</u>		Analyst: <u>CI</u>	

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
359	LBP7	5	1.85684	1.85683		
5116	loop 116	loop	1.84663	1.84662		
5117	loop 117	loop	1.87455	1.87455		
326	LBP5	1000	1.96785	1.96801	1.96803	
399B	CS02	500	1.95423	1.95421		
416	CS02	5	1.84589	1.84587		
399A	CS02	500	1.95422	1.95423		
398B	CS02	750	1.96233	1.96234		
351	LBP7	150	1.94206	1.94208		
352	LBP7	125	1.93973	1.93972		
353	LBP7	100	1.93366	1.93364		
354	LBP7	75	1.91741	1.91742		
355	LBP7	50	1.90118	1.90126	1.90132	1.90132
356	LBP7	30	1.88361	1.88360		
357	LBP7	20	1.86211	1.86208		
358	LBP7	10	1.85684	1.85683		
343	LBP7	1000	1.96803	1.96804		
344	LBP7	750	1.96103	1.96102		
345	LBP7	500	1.95373	1.95376		
346	LBP7	400	1.95182	1.95180		
347	LBP7	200	1.94827	1.94827		
348	LBP7	250	1.94662	1.94661		
349	LBP7	200	1.94470	1.94469		
350	LBP7	175	1.94383	1.94381		
394A	CS00	5	1.84210	1.84210		Final Standby Value: <u>24 + 5986</u>
394B	CS00	5	1.84190	1.84190		

Notes: <u>use std info from 2024-008</u>	
<u>DWR</u>	<u>read 1 1.97895</u>
<u>cbay reg</u>	<u>read 2 1.97896</u>

Evt #68
 Cbay-reg
 P23
 2024-002
 2005 m
 bot 3-4

PS: 34.5864 psu

AUTOSAL ANALYSIS LOGSHEET

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Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	<u>10 Oct 2024</u>
Initial Standby Value: <u>24 + 5986</u>	Ratio After Standardization: _____	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: _____ After: _____ Notes: _____	K ₁₅ VALUE: 0.999 <u>87</u> Batch #: <u>P166</u> Batch Date: <u>6 Apr 2025</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>22</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
393	CS00	10	1.84098	1.8400		
392	CS00	20	1.84989	1.84990		
391	CS00	30	1.86762	1.86763		
390	CS00	50	1.88830	1.88833		
389	CS00	75	1.90888	1.90890		
388	CS00	100	1.92850	1.92867	1.92870	
387	CS00	125	1.93495	1.93496		
386	CS00	150	1.94086	1.94085		
385	CS00	175	1.94419	1.94418		
384	CS00	200	1.94469	1.94467		
383	CS00	250	1.94613	1.94613		
382	CS00	300	1.94684	1.94684		
381A	CS00	400	1.95091	1.95094		
381B	CS00	400	1.95092	1.95091		
380	CS00	500	1.95475	1.95477		
379	CS00	750	1.96191	1.96192		
378	CS00	1000	1.96768	1.96768		
397	CS02	1000	1.96725	1.96727		
398A	CS02	750	1.96234	1.96230		
5136	loop 136	m	1.84560	1.84560		
432	CS06	5	1.80561	1.80560		
5151A	loop 151	4.5m	1.82208	1.82208		
4	LB01	5	1.85132	1.85134		
5008	Intransit	loop	1.87114	1.87116		forgot 2nd need, had to reintroduce & re-use
5017	intransit	m	1.86150	1.86153		Final Standby Value:
44	LB08	5	1.87990	1.87991		<u>24 + 5985/6</u>

Notes: <u>DWR</u> <u>freshen</u>	<u>1.97863</u> <u>1.97866</u>	

Ev1 #68
Fresh-Reg
P23
2024-002
2005 m
bot 1-2

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-020</u>		Cast/Station Name: <u>Many</u>		Analysis Date (dd mmm yyyy): <u>10 Oct 2024</u>	
Autosal Model: <u>8400B</u>		Serial Number: <u>73274</u>			
Initial Standby Value: <u>24 + 5986</u>		Ratio After Standardization: _____			
Cell Standardization (Daily)	Standardization Values:	Standard Info.		Bath Temperature: <u>24</u> °C	
Conductivity must be ± 0.00001 compared to Standard 	Before: _____	K ₁₅ VALUE: 0.999 <u>87</u>		Sample Temperature: <u>23</u> °C	
	After: _____	Batch #: <u>P166</u>		Room Temperature: <u>22</u> °C	
	Notes: _____	Batch Date: <u>6 Apr 2025</u>		Analyst: <u>CI</u>	

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
87	LB14	1000	1.96952	1.96956	1.96955	
88	LB14	750	1.96251	1.96253		
89A	LB14	500	1.95399	1.95396		
89B	LB14	500	1.95402	1.95402		
5038	loop	m	1.85070	1.85065	1.85063	
109	LC11	1250	1.97227	1.97225		
110	LC11	1000	1.96840	1.96840		
111	LC11	750	1.96170	1.96168		
112A	LC11	500	1.95276	1.95277		
112B	LC11	500	1.95278	1.95281		
166	LC08	5	1.86543	1.86543		
199	LC02	5	1.83246	1.83243		
312	LBP3	150	1.94138	1.94143	1.94144	
5101	loop 101	100p	1.85666	1.85666		
5092A	loop 92	100p	1.86994	1.86991		
5092B	loop 92	100p	1.86999	1.86999		
284	LG06	750	1.96213	1.96213		
237	LDO6	5	1.83731	1.83732		
213	LD08	500	1.95401	1.95404		
212	LD08	750	1.96330	1.96330		
5151B	loop 151	4.5 m	1.82217	1.82215		
5152	loop 152	m	1.73959	1.73956		
5169A	loop 169	4.5	1.58659	1.58647	1.58644	
5169B	loop 169	4.5	1.58761	1.58761		
509B	42	5	1.56586	1.56586		Final Standby Value: <u>24 + 5985</u>
454B	12	bot - 10	1.79126	1.79129		

Notes: <u>DNR</u>	<u>+ 1.97909</u>	<u>1.97913</u>	
<u>cbay reg</u>			

Evt #68
 Cboy-reg
 P23
 2024-002
 2005 m
 bot 34

ps: 34.5899 psu

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-020</u>		Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>60 oct 2024</u>
Autosal Model: <u>8400B</u>		Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5985/6</u>		Ratio After Standardization: _____	
Cell Standardization (Daily)	Standardization Values:	Standard Info.	Bath Temperature: <u>24</u> °C
Conductivity must be ± 0.00001 compared to Standard 	Before: _____	K ₁₅ VALUE: 0.999 <u>87</u>	Sample Temperature: <u>22</u> °C
	After: _____	Batch #: <u>P166</u>	Room Temperature: <u>22</u> °C
	Notes: _____	Batch Date: <u>6 Apr 2025</u>	Analyst: <u>CI</u>

[illegible]

Notes: _____

359 Sal LBP7 2024-020 5 m bot 17	5116 Sal LOOP116 2024-020 loop m bot 1	5117 Sal LOOP117 2024-020 loop m bot 1	326 Sal LBP5 2024-020 1000 m bot 1	399B Sal CS02 2024-020 500 m bot 3	416 Sal CS02 2024-020 5 m bot 20	399A Sal CS02 2024-020 500 m bot 3	398B Sal CS02 2024-020 750 m bot 2	351 Sal LBP7 2024-020 150 m bot 9
352 Sal LBP7 2024-020 125 m bot 10	353 Sal LBP7 2024-020 100 m bot 11	354 Sal LBP7 2024-020 75 m bot 12	355 Sal LBP7 2024-020 50 m bot 13	356 Sal LBP7 2024-020 30 m bot 14	357 Sal LBP7 2024-020 20 m bot 15	358 Sal LBP7 2024-020 10 m bot 16	343 Sal LBP7 2024-020 1000 m bot 1	344 Sal LBP7 2024-020 750 m bot 2
345 Sal LBP7 2024-020 500 m bot 3	346 Sal LBP7 2024-020 400 m bot 4	347 Sal LBP7 2024-020 300 m bot 5	348 Sal LBP7 2024-020 250 m bot 6	349 Sal LBP7 2024-020 200 m bot 7	350 Sal LBP7 2024-020 175 m bot 8	394A Sal CS00 2024-020 5 m bot 17	394B Sal CS00 2024-020 5 m bot 17	393 Sal CS00 2024-020 10 m bot 16
392 Sal CS00 2024-020 20 m bot 15	391 Sal CS00 2024-020 30 m bot 14	390 Sal CS00 2024-020 50 m bot 13	389 Sal CS00 2024-020 75 m bot 12	388 Sal CS00 2024-020 100 m bot 11	387 Sal CS00 2024-020 125 m bot 10	386 Sal CS00 2024-020 150 m bot 9	385 Sal CS00 2024-020 175 m bot 8	384 Sal CS00 2024-020 200 m bot 7
383 Sal CS00 2024-020 250 m bot 6	382 Sal CS00 2024-020 300 m bot 5	381A Sal CS00 2024-020 400 m bot 4	381B Sal CS00 2024-020 400 m bot 4	380 Sal CS00 2024-020 500 m bot 3	379 Sal CS00 2024-020 750 m bot 2	378 Sal CS00 2024-020 1000 m bot 1	397 Sal CS02 2024-020 1000 m bot 1	398A Sal CS02 2024-020 750 m bot 2
5136 Sal LOOP136 2024-020 m bot 1	432 Sal CS06 2024-020 5 m bot 7	5151A Sal LOOP151 2024-020 4.5 m bot 1	4 Sal LB01 2024-020 5 m bot 4	5008 Sal in transit 2024-020 loop m bot 1	5017 Sal in transit 2024-020 m bot 1	44 Sal LB08 2024-020 5 m bot 14	87 Sal LB14 2024-020 1000 m bot 2	88 Sal LB14 2024-020 750 m bot 3
89A Sal LB14 2024-020 500 m bot 4	89B Sal LB14 2024-020 500 m bot 4	5038 Sal LOOP 2024-020 m bot 1	109 Sal LC11 2024-020 1250 m bot 1	110 Sal LC11 2024-020 1000 m bot 2	111 Sal LC11 2024-020 750 m bot 3	112A Sal LC11 2024-020 500 m bot 4	112B Sal LC11 2024-020 500 m bot 4	166 Sal LC08 2024-020 5 m bot 15

199 Sal LC02 2024-020 5 m bot 7	312 Sal LBP3 2024-020 150 m bot 2	5101 Sal LOOP901 2024-020 loop m bot 1	5092A Sal LOOP92 2024-020 loop m bot 1	5092B Sal LOOP92 2024-020 loop m bot 1	284 Sal LG06 2024-020 750 m bot 2	237 Sal LD06 2024-020 5 m bot 8	213 Sal LD08 2024-020 500 m bot 3	212 Sal LD08 2024-020 750 m bot 2
5151B Sal LOOP151 2024-020 4.5 m bot 1	5152 Sal LOOP152 2024-020 m bot 1	5169A Sal LOOP169 2024-020 4.5 m bot 1	5169B Sal LOOP169 2024-020 4.5 m bot 1	509B Sal 42 2024-020 5 m bot 12	454B Sal 12 2024-020 bot-10 m bot 1	454A Sal 12 2024-020 bot-10 m bot 1	465 Sal 12 2024-020 10 m bot 12	493A Sal GEO1 2024-020 10 m bot 12
493B Sal GEO1 2024-020 10 m bot 12	482 Sal GEO1 2024-020 Bot-10 m bot 1	498 Sal 42 2024-020 Bot-10m m bot 1	509A Sal 42 2024-020 5 m bot 12					