

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-008</u>		Cast/Station Name: <u>mainy</u>		Analysis Date (dd mmm yyyy):	
Autosal Model: <u>8400B</u>		Serial Number: <u>73274</u>		<u>09</u> <u>10</u> <u>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: _____		K ₁₅ VALUE: 0.999 <u>87</u>	
		After: _____		Batch #: <u>P166</u>	
		Notes: _____		Batch Date: <u>6 Apr 2025</u>	
				Bath Temperature: <u>24</u> °C	
				Sample Temperature: <u>22</u> °C	
				Room Temperature: <u>22.9</u> °C	
				Analyst: <u>CT</u>	

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
1A	Haro 59	bot - 5	1.87448	1.87449		
1B	Haro 59	bot - 5	1.87433	1.87434		
5004	JF1	loop	1.79731	1.79730		
10	Haro 59	S	1.74377	1.74377		
13B	JF 2	bot - 10	1.94210	1.94223	1.94225	
13A	JF 2	bot - 10	1.94226	1.94225		
5007	JF3	loop	1.81349	1.81323	1.81320	
14	JF2	S	1.80863	1.80863		
57	P4	800	1.96399	1.96439	1.96442	
5008	JF4	loop	1.86065	1.86067		
68	P4	1250	1.97328	1.97328		
69B	P4	1000	1.96866	1.96865		
69A	P4	1000	1.96866	1.96864		
70	P4	800	1.96385	1.96386		
90	P4	0.15 m	1.85309	1.85309		
86	P4	0.01 m	1.87674	1.87675		
98	P4	0.5 m	1.85299	1.85299		
94	P4	0.3 m	1.85303	1.85301		
5023	P7	loop	1.85157	1.85156		
102	P4	1 m	1.85300	1.85299		
110B	P8	2000	1.97895	1.97898		
110A	P8	2000	1.97899	1.97899		
112	P8	1250	1.97212	1.97212		
111	P8	1500	1.97500	1.97498		
314	P18	800	1.96239	1.96235		Final Standby Value: <u>24 + 5985</u>
331	P17	5	1.86597	1.86592	1.86591	

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-008</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>09 10 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5985</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: <u>0.999 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>23</u> °C Analyst: <u>CT</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
5067	P17	100p	1.86590	1.86591		
333	P16	0.01m	1.86615	1.86614		
336	P16	0.15m	1.86790	1.86786		
339	P16	0.3m	1.86788	1.86787		
342	P16	0.5m	1.86792	1.86790		
345	P16	1m	1.86788	1.86789		
302	P19	0.3m	1.86239	1.86280	1.86239	
307	P19	1m	1.86238	1.86238		
310A	P18	2000	1.97846	1.97844		
311A	P18	1500	1.97423	1.97422		
311B	P18	1500	1.97313	1.97313		
312	P18	1250	1.97124	1.97123		
313A	P18	1000	1.96678	1.96677		
313B	P18	1000	1.96677	1.96676		
273	P25	S	1.85933	1.85934		
275	P24	1000	1.96733	1.96735		
5058	P25	100p	1.85959	1.85966	1.85968	
5062	P22	100p	1.86105	1.86104		
5063	P21	100p	1.85943	1.85942		
294	P21	S	1.85939	1.85939		
296	P19	0.01m	1.86453	1.86456		
299	P19	0.15m	1.86240	1.86240		
5049	P35	100p	1.85826	1.85824		
5048	P25	100p	1.85869	1.85868		
5047	P24	100p	1.85911	1.85910		
5046	P23	100p	1.86055	1.86055		

Final Standby Value:

24 + 5986

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-008</u>		Cast/Station Name: <u>many</u>		Analysis Date (dd mmm yyyy): <u>09 10 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) Conductivity must be ± 0.00001 compared to Standard 	Standardization Values:		Standard Info.		Bath Temperature: <u>24</u> °C
	Before: _____		K ₁₅ VALUE: <u>0.99987</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
5049	P22	100p	1.86044	1.86045		
5044	P21	100p	1.85952	1.85952		
5043	P20	100p	1.85994	1.85993		
5042	P19	100p	1.86328	1.86327		
235	P26	1500	1.977336	1.977372	1.977376	
234	P26	2000	1.977855	1.977856		
228B	P26	4000	1.98356	1.98355		
230	P26	3500	1.98315	1.98315		
233A	P26	2500	1.98081	1.98080		
228A	P26	4000	1.98351	1.98352		
232	P26	3000	1.98219	1.98218		
233B	P26	2500	1.98090	1.98086		
237	P26	1000	1.96707	1.96706		
236	P26	1250	1.97096	1.97097		
258	P16	0.01m	1.86504	1.86502		
251	P26	100	1.89520	1.89517		
264	P16	0.3m	1.86093	1.86092		
261	P16	0.15m	1.86091	1.86092		
270	P16	1m	1.86089	1.86090		
267	P16	0.5m	1.86089	1.86090		
410B	P14	1000	1.96639	1.96640		
411	P14	800	1.96166	1.96167		
365	P16	1000	1.96649	1.96649		
348	P16	800	1.96239	1.96237		
363	P16	1500	1.97389	1.97391		Final Standby Value: <u>24 + 5985/6</u>
364	P16	1250	1.97109	1.97112		

Notes: <u>DWR</u>	read 1	<u>1.97873</u>
<u>cbay reg</u>	read 2	<u>1.97874</u>

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-008</u>		Cast/Station Name: <u>many</u>		Analysis Date (dd mmm yyyy):	
Autosal Model: <u>8400B</u>		Serial Number: <u>73274</u>		<u>09</u> <u>Oct</u> <u>2024</u>	
Initial Standby Value: <u>24 + 5986</u>		Ratio After Standardization: _____			
Cell Standardization (Daily) Conductivity must be ± 0.00001 compared to Standard 	Standardization Values:		Standard Info.		Bath Temperature: <u>24</u> °C
	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>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
362B	P16	2000	1.97864	1.97862		
362A	P16	2000	1.97863	1.97863		
428	P13	5	1.84831	1.84827		
5078	loop 78	100p	1.84496	1.84497		
407A	P14	2000	1.97863	1.97869	1.97869	
5076	P13	100p	1.8486	1.84819	1.84814	
408	P14	1500	1.97429	1.97431		
407B	P14	2000	1.97864	1.97864		
410A	P14	1000	1.96642	1.96639		
409	P14	1250	1.97144	1.97145		
5105	loop 105	loop	1.74000	1.73989	1.73989	
451	Ri1	5	1.73801	1.73801		
152	P12 prod	1m	1.85472	1.85473		
148	P12 prod	0.5m	1.85475	1.85476		
144	P12 prod	0.3m	1.85488	1.85489		
140	P12 prod	0.15m	1.85479	1.85479		
136	P12 prod	0.01m	1.86585	1.86586		
5029	P11	100p	1.84787	1.84785		
114	P8	800	1.96444	1.96465	1.96470	1.96468
113	P8	1000	1.96784	1.96783		
162B	P12	1000	1.96797	1.96798		
162A	P12	1000	1.96829	1.96830		
161	P12	1250	1.97177	1.97178		
160	P12	1500	1.97503	1.97503		
159	P12	2000	1.97899	1.97901		
158B	P12	2560	1.98108	1.98106		Final Standby Value: <u>24 + 5986</u>

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-009</u>		Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>10</u> <u>oct</u> <u>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	Before: _____	K ₁₅ VALUE: 0.999 <u>87</u>	Sample Temperature: <u>22</u> °C
compared to Standard	After: _____	Batch #: <u>P166</u>	Room Temperature: <u>22</u> °C
	Notes: _____	Batch Date: <u>6 Apr 2024</u>	Analyst: <u>CJ</u>

[illegible]

Notes: _____

1A Sal Haro59 2024-008 Bot-5 m bot 1	1B Sal Haro59 2024-008 Bot-5 m bot 1	5004 Sal JF1 2024-008 Loop m bot 1	10 Sal Haro59 2024-008 5 m bot 10	13B Sal JF2 2024-008 Bot-10 m bot 1	13A Sal JF2 2024-008 Bot-10 m bot 1	5007 Sal JF3 2024-008 Loop m bot 1	14 Sal JF2 2024-008 5 m bot 2	57 Sal P4 2024-008 800 m bot 10
5008 Sal JF4 2024-008 Loop m bot 1	68 Sal P4 2024-008 1250 m bot 2	69B Sal P4 2024-008 1000 m bot 3	69A Sal P4 2024-008 1000 m bot 3	70 Sal P4 2024-008 800 m bot 4	90 Sal P4 2024-008 0.15 m bot 5	86 Sal P4 2024-008 0.01 m bot 1	98 Sal P4 2024-008 0.5 m bot 13	94 Sal P4 2024-008 0.3 m bot 9
5023 Sal P7 2024-008 Loop m bot 4	102 Sal P4 2024-008 1 m bot 17	110B Sal P8 2024-008 2000 m bot 1	110A Sal P8 2024-008 2000 m bot 1	112 Sal P8 2024-008 1250 m bot 3	111 Sal P8 2024-008 1500 m bot 2	314 Sal P18 2024-008 800 m bot 5	331 Sal P17 2024-008 5 m bot 1	5067 Sal P17 2024-008 Loop m bot 5
333 Sal P16 2024-008 0.01 m bot 1	336 Sal P16 2024-008 0.15 m bot 4	339 Sal P16 2024-008 0.3 m bot 7	342 Sal P16 2024-008 0.5 m bot 10	345 Sal P16 2024-008 1 m bot 13	302 Sal P19 2024-008 0.3 m bot 7	307 Sal P19 2024-008 1 m bot 12	310A Sal P18 2024-008 2000 m bot 1	311A Sal P18 2024-008 1500 m bot 2
311B Sal P18 2024-008 1500 m bot 2	312 Sal P18 2024-008 1250 m bot 3	313A Sal P18 2024-008 1000 m bot 4	313B Sal P18 2024-008 1000 m bot 4	273 Sal P25 2024-008 5 m bot 1	275 Sal P24 2024-008 1000 m bot 8	5058 Sal P25 2024-008 Loop m bot 5	5062 Sal P22 2024-008 Loop m bot 1	5063 Sal P21 2024-008 Loop m bot 5
294 Sal P21 2024-008 5 m bot 1	296 Sal P19 2024-008 0.01 m bot 1	299 Sal P19 2024-008 0.15 m bot 4	5049 Sal P35 2024-008 Loop m bot 1	5048 Sal P25 2024-008 Loop m bot 1	5047 Sal P24 2024-008 Loop m bot 1	5046 Sal P23 2024-008 Loop m bot 1	5045 Sal P22 2024-008 Loop m bot 1	5044 Sal P21 2024-008 Loop m bot 1
5043 Sal P20 2024-008 Loop m bot 1	5042 Sal P19 2024-008 Loop m bot 1	235 Sal P26 2024-008 1500 m bot 9	234 Sal P26 2024-008 2000 m bot 8	228B Sal P26 2024-008 4000 m bot 2	230 Sal P26 2024-008 3500 m bot 4	233A Sal P26 2024-008 2500 m bot 7	228A Sal P26 2024-008 4000 m bot 2	232 Sal P26 2024-008 3000 m bot 6

233B**Sal**

P26

2024-008

2500 m

bot 7

237**Sal**

P26

2024-008

1000 m

bot 11

236**Sal**

P26

2024-008

1250 m

bot 10

258**Sal**

P16

2024-008

0.01 m

bot 1

251**Sal**

P26

2024-008

100 m

bot 7

264**Sal**

P16

2024-008

0.3 m

bot 7

261**Sal**

P16

2024-008

0.15 m

bot 4

270**Sal**

P16

2024-008

1 m

bot 13

267**Sal**

P16

2024-008

0.5 m

bot 10

410B**Sal**

P14

2024-008

1000 m

bot 4

411**Sal**

P14

2024-008

800 m

bot 5

365**Sal**

P16

2024-008

1000 m

bot 8

348**Sal**

P16

2024-008

800 m

bot 10

363**Sal**

P16

2024-008

1500 m

bot 6

364**Sal**

P16

2024-008

1250 m

bot 7

362B**Sal**

P16

2024-008

2000 m

bot 5

362A**Sal**

P16

2024-008

2000 m

bot 5

428**Sal**

P13

2024-008

5 m

bot 1

5078**Sal**

Loop78

2024-008

Loop m

bot 1

407A**Sal**

P14

2024-008

2000 m

bot 1

~~5040~~
5076**Sal**

P13

2024-008

Loop m

bot 5

408**Sal**

P14

2024-008

1500 m

bot 2

407B**Sal**

P14

2024-008

2000 m

bot 1

410A**Sal**

P14

2024-008

1000 m

bot 4

409**Sal**

P14

2024-008

1250 m

bot 3

5105**Sal**

Loop105

2024-008

Loop m

bot 1

451**Sal**

Ri1

2024-008

5 m

bot 14

152**Sal**

P12 prod

2024-008

1 m

bot 17

148**Sal**

P12 prod

2024-008

0.5 m

bot 13

144**Sal**

P12 prod

2024-008

0.3 m

bot 9

140**Sal**

P12 prod

2024-008

0.15 m

bot 5

136**Sal**

P12 prod

2024-008

0.01 m

bot 1

5029**Sal**

P11

2024-008

Loop m

bot 1

114**Sal**

P8

2024-008

800 m

bot 5

113**Sal**

P8

2024-008

1000 m

bot 4

162B**Sal**

P12

2024-008

1000 m

bot 7

162A**Sal**

P12

2024-008

1000 m

bot 7

161**Sal**

P12

2024-008

1250 m

bot 6

160**Sal**

P12

2024-008

1500 m

bot 5

159**Sal**

P12

2024-008

2000 m

bot 4

158B**Sal**

P12

2024-008

2500 m

bot 3

158A**Sal**

P12

2024-008

2500 m

bot 3

157**Sal**

P12

2024-008

3000 m

bot 2

178**Sal**

P12

2024-008

800 m

bot 10

163**Sal**

P12

2024-008

800 m

bot 8

5037**Sal**

P14

2024-008

Loop m

bot 1

5036**Sal**

P13

2024-008

Loop m

bot 1

5039**Sal**

P16

2024-008

Loop m

bot 1

5038**Sal**

P15

2024-008

Loop m

bot 1

5041**Sal**

P18

2024-008

Loop m

bot 1

5040**Sal**

P17

2024-008

Loop m

bot 1