

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2019-008</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>23 SEP 2019</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6020</u>	Ratio After Standardization: <u>24 + 6026</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>2.85</u> After: <u>3.55</u> Notes: _____	K ₁₅ VALUE: 0.999 <u>83</u> Batch #: <u>P162</u> Batch Date: <u>16 Apr 2021</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>22</u> °C Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
Calibration			1.999 67			Ratio Accepted
715B			1.98078	1.98078		
714			1.98236	1.98236		
713			1.98319	1.98322		
712			1.98367	1.98367		
677			1.96756	1.96760	1.96761	deleted 1st reading
676			1.97404	1.97406		
675			1.97887	1.97886		
674			1.98014	1.98015		
816			1.93413	1.93413		
815			1.94048	1.94048		deleted first reading (only 2 flushes)
814			1.94622	1.94622		
719			1.96714	1.96714		
718			1.97125	1.97128		
717			1.97385	1.97388		
716			1.97890	1.97891		
715A			1.98084	1.98086		
860			1.97554	1.97556		
859			1.97711	1.97709		
858			1.97870	1.97872		
857			1.98241	1.98241		
856			1.98373	1.98373		
819			1.87442	1.87441		
818			1.87750	1.87752		
817			1.91816	1.91818		
						Final Standby Value: <u>24 + 6026</u>

Notes: _____

715 Sal P26 2500 m 19-008 Bot 5	714 Sal P26 3000 m 19-008 Bot 4	713 Sal P26 3500 m 19-008 Bot 3	712 Sal P26 4000 m 19-008 Bot 2	677 Sal P24 1000 m 19-008 Bot 7	676 Sal P24 1500 m 19-008 Bot 6	675 Sal P24 2000 m 19-008 Bot 5	674 Sal P24 2500 m 19-008 Bot 4
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816 Sal P26 200 m 19-008 Bot 3	815 Sal P26 300 m 19-008 Bot 2	814 Sal P26 400 m 19-008 Bot 1	719 Sal P26 1000 m 19-008 Bot 9	718 Sal P26 1250 m 19-008 Bot 8	717 Sal P26 1500 m 19-008 Bot 7	716 Sal P26 2000 m 19-008 Bot 6	715 Sal P26 2500 m 19-008 Bot 5
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860 Sal P26 1600 m 19-008 Bot 5	859 Sal P26 1800 m 19-008 Bot 4	858 Sal P26 2000 m 19-008 Bot 3	857 Sal P26 3000 m 19-008 Bot 2	856 Sal P26 4000 m 19-008 Bot 1	819 Sal P26 75 m 19-008 Bot 6	818 Sal P26 100 m 19-008 Bot 5	817 Sal P26 150 m 19-008 Bot 4
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366	367	2090m	1800m	1600m	1400m	1200m	1100m
Sal	Sal	385	386	387	388	389	390
P14	Sal	Sal	Sal	Sal	Sal	Sal	Sal
10 m	P14	P16	P16	P16	P16	P16	P16
19-008	5 m	19-008	19-008	19-008	19-008	19-008	19-008
Bot 23	19-008	Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6
	Bot 24						

398 B	398 A	399	400 A	400 B	401	402	403
Sal	Sal	Sal	Sal	Sal	Sal	Sal	Sal
P16	P16	P16	P16	P16	P16	P16	P16
3500 m	3500 m	3500 m	3000 m	3000 m	2500 m	2000 m	1500 m
19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008
Bot 2	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7

404	405	421	422	423	424	425	426
Sal	Sal	Sal	Sal	Sal	Sal	Sal	Sal
P16	P16	P16	P16	P16	P16	P16	P16
1250 m	1000 m	300 m	200 m	150 m	100 m	75 m	50 m
19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008
Bot 8	Bot 9	Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6

540	541 A	541 B	542	543	544	524	496
Sal	Sal	Sal	Sal	Sal	Sal	Sal	Sal
P20	P20	P20	P20	P20	P20	P20	P18
2500 m	2000 m	2000 m	1500 m	1250 m	1000 m	2000 m	1250 m
19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008
Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 1	Bot 8

497	5065	5513	537 A	537 B	538
Sal	SAL	SAL	Sal	Sal	Sal
P18	LOOP	LOOP	P20	P20	P20
1000 m	2019-08	2019-08	3500 m	3500 m	3500 m
19-008			19-008	19-008	19-008
Bot 9			Bot 2	Bot 2	Bot 3

LOOP
5063
Sal.
P17
5m
19-008

539
Sal
P20
3000 m
19-008
Bot 4

490
Sal
P18
3500 m
19-008
Bot 2

491 A
Sal
P18
3000 m
19-008
Bot 3

491 B
Sal
P18
3000 m
19-008
Bot 3

492
Sal
P18
2500 m
19-008
Bot 4

493
Sal
P18
2000 m
19-008
Bot 5

494
Sal
P18
1750 m
19-008
Bot 6

495
Sal
P18
1500 m
19-008
Bot 7

5107
LOOP
SAL
2019-008

861
Sal
P26
1400 m
19-008
Bot 6

LOOP
SAL
P35
19-008

5108
SAL
LOOP
5 m
19-008

5111
SAL
LOOP
2019-008

5112
Sal
loop 5112
5 m
19-008
Bot 1

5114
SAL
LOOP
2019-008

5116
Sal
loop 5116
5 m
19-008
Bot 1

874
Sal
P4
1250 m
19-008
Bot 2

875
Sal
P4
1250 m
19-008
Bot 3

876
Sal
P4
1000 m
19-008
Bot 4

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2019-008</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>25 SEP 2019</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6026</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 _____
	After: _____	Batch #: _____
	Notes: _____	Batch Date: _____
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>21.6</u> °C
		Room Temperature: <u>21.6</u> °C
		Analyst: <u>Jasmine Wietzke</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
877A			1.96351	1.96350		
877B			1.96349	1.96348		
878			1.95684	1.95684		
5120	LOOP120		1.85974	1.85972		
5031	LOOP		1.85793	1.85794		
5036	LOOP		1.85771	1.85770		
265			1.94597	1.94600		
266			1.94268	1.94272		
269			1.88885	1.88887		
267			1.93534	1.93536		
268			1.91203	1.91202		
270			1.87537	1.87539		
275B			1.98209	1.98211		
275A			1.98228	1.98228		
276			1.98203	1.98204		
277			1.98101	1.98101		
278A			1.97892	1.97893		
278B			1.97890	1.97889		
279			1.97490	1.97489		
280			1.97169	1.97171		
281			1.96753	1.96753		
303			1.97009	1.97009		
302			1.97128	1.97130		
300			1.97620	1.97618		
301			1.97302	1.97305		
						Final Standby Value: <u>24 + 6026</u>

Notes: _____

877 A
Sal
P4
800 m
19-008
Bot 5

877 B
Sal
P4
800 m
19-008
Bot 5

878
Sal
P4
600 m
19-008
Bot 6

5120
Sal
loop120
19-008
~~Bot 1~~

5031
SAL
19-008
loop

5036
Sal
P11
100p
19-008

265
Sal
P12
300 m
19-008
Bot 1

266
Sal
P12
200 m
19-008
Bot 2

269
Sal
P12
75 m
19-008
Bot 5

267
Sal
P12
150 m
19-008
Bot 3

268
Sal
P12
100 m
19-008
Bot 4

270
Sal
P12
50 m
19-008
Bot 6

275 B
Sal
P12
3000 m
19-008
Bot 2

275 A
Sal
P12
3000 m
19-008
Bot 2

276
Sal
P12
3000 m
19-008
Bot 3

277
Sal
P12
2500 m
19-008
Bot 4

278 A
Sal
P12
2000 m
19-008
Bot 5

278 B
Sal
P12
2000 m
19-008
Bot 5

279
Sal
P12
1500 m
19-008
Bot 6

280
Sal
P12
1250 m
19-008
Bot 7

281
Sal
P12
1000 m
19-008
Bot 8

303
Sal
P12
1100 m
19-008
Bot 6

302
Sal
P12
1200 m
19-008
Bot 5

300
Sal
P12
1600 m
19-008
Bot 3

301
Sal
P12
1400 m
19-008
Bot 4

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2019-008</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>25 SET 2019</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6026</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 _____
	After: _____	Batch #: _____
	Notes: _____	Batch Date: _____
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>22</u> °C
		Room Temperature: <u>22</u> °C
		Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
298			1.97894	1.97895		
299			1.97720	1.97722		
5047	LOOP		1.86386	1.86387		
344			1.98247	1.98250		
345			1.98221	1.98221		
345			1.98219	1.98220		
346			1.98018	1.98019		
347			1.97883	1.97883		
348 A			1.97882	1.97882		
348 B			1.97884	1.97889	1.97893	1.97891 deleted 1st reading
349			1.97703	1.97704		
350			1.97416	1.97416		
351			1.97097	1.97097		
352			1.96740	1.96740		
353			1.96192	1.96193		
354			1.95548	1.95548		
355			1.94622	1.94624		
356			1.94426	1.94428		
357			1.94407	1.94407		
358			1.94288	1.94289		
359			1.93944	1.93946		
360			1.92651	1.92651		
361			1.90329	1.90328		
362			1.87598	1.87599		
363			1.86703	1.86704		
					Final Standby Value:	<u>24 + 6026</u>

Notes: _____

298
Sal
P12
2000 m
19-008
Bot 1

299
Sal
P12
1800 m
19-008
Bot 2

5047
Sal
P13
19-008
LOOP

344
Sal
P14
Bot-10
19-008
Bot 1

345
Sal
P14
3000 m
19-008
Bot 2

345
Sal
P14
3000 m
19-008
Bot 2

346
Sal
P14
2500 m
19-008
Bot 3

347
Sal
P14
2250 m
19-008
Bot 4

348 A
Sal
P14
2000 m
19-008
Bot 5

348 B
Sal
P14
2000 m
19-008
Bot 5

349
Sal
P14
1750 m
19-008
Bot 6

350
Sal
P14
1500 m
19-008
Bot 7

351
Sal
P14
1250 m
19-008
Bot 8

352
Sal
P14
1000 m
19-008
Bot 9

353
Sal
P14
800 m
19-008
Bot 10

354
Sal
P14
600 m
19-008
Bot 11

355
Sal
P14
400 m
19-008
Bot 12

356
Sal
P14
300 m
19-008
Bot 13

357
Sal
P14
250 m
19-008
Bot 14

358
Sal
P14
200 m
19-008
Bot 15

359
Sal
P14
175 m
19-008
Bot 16

360
Sal
P14
150 m
19-008
Bot 17

361
Sal
P14
125 m
19-008
Bot 18

362
Sal
P14
100 m
19-008
Bot 19

363
Sal
P14
75 m
19-008
Bot 20

AUTOSAL ANALYSIS LOGSHEET

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Cruise ID: <u>2019-008</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>25 SEP 2019</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6026</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 _____
	After: _____	Batch #: _____
	Notes: _____	Batch Date: _____
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>22</u> °C
		Room Temperature: <u>22</u> °C
		Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
364			1.86489	1.86491		
365			1.86514	1.86515		
186A			1.97884	1.97884		
186B			1.97881	1.97882		
187			1.97512	1.97513		
188A			1.97269	1.97270		
188B			1.97271	1.97269		
189			1.96870	1.96872		
190			1.96343	1.96343		
5210	Loop		1.85370	1.85371		Insert not pushed down fully
82			1.95686	1.95684		
83			1.94977	1.94978		
93A			1.96804	1.96808		
91			1.97204	1.97206		
92			1.97196	1.97196		
93B			1.96817	1.96818		
94			1.96323	1.96323		
5025	Loop		1.85644	1.85644		
5004	Loop		1.84034	1.84033		
5005	Loop		1.83317	1.83316		
5006	Loop		1.82500	1.82502		
5007	Loop		1.86904	1.86905		
78			1.97139	1.97139		Deleted - 1.97139
79			?	1.96996		1.96905 - 901 deleted
80			1.96902	1.96913	1.96908	Final Standby Value:
80			1.96905	1.96906		<u>24 + 6026</u>

Notes: _____

364
Sal
P14
50 m
19-008
Bot 21

365
Sal
P14
25 m
19-008
Bot 22

186 A
Sal
P8
2000 m
19-008
Bot 1

186 B
Sal
P8
2000 m
19-008
Bot 1

187
Sal
P8
1500 m
19-008
Bot 2

188 A
Sal
P8
1250 m
19-008
Bot 3

188 B
Sal
P8
1250 m
19-008
Bot 3

189
Sal
P8
1000 m
19-008
Bot 4

190
Sal
P8
800 m
19-008
Bot 5

LOOP
P9
SAL
19-008
5210

82
Sal
P4
600 m
19-008
Bot 5

83
Sal
P4
400 m
19-008
Bot 6

93 A
Sal
P4
1000 m
19-008
Bot 4

91
Sal
P4
1250 m
19-008
Bot 2

92
Sal
P4
1250 m
19-008
Bot 3

93 B
Sal
P4
1000 m
19-008
Bot 4

94
Sal
P4
800 m
19-008
Bot 5

5025
P6
SAL
2019-008
LOOP

5004
SAL
JF1
19-008
LOOP

5005
SAL
JF2
19-008
LOOP

5006
SAL
JF3
19-008
LOOP

5007
SAL
JF4
19-008
LOOP

78
Sal
P4
1200 m
19-008
Bot 1

79
Sal
P4
1100 m
19-008
Bot 2

80
Sal
P4
1000 m
19-008
Bot 3

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2019-008</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>25 Sep 2019</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6026</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 _____
	After: _____	Batch #: _____
	Notes: _____	Batch Date: _____
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>23</u> °C
		Room Temperature: <u>23</u> °C
		Analyst: <u>dw</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
81			1.96375	1.96373		
526			1.97575	1.97577		
527			1.97332	1.97332		
528			1.97101	1.97104		
529			1.85994	1.85996		
560			1.94435	1.94436		
561			1.94069	1.94069		
562			1.93778	1.93782	1.93780	
563			1.89603	1.89606		
564			1.86713	1.86714		
565			1.86502	1.86503		
5075	LOOP75		1.85816	1.85815		
632			1.98311	1.98313		
634			1.98108	1.98108		
635			1.97875	1.97877		
636			1.97675	1.97675		
633A			1.98239	1.98242		
638			1.97149	1.97147		
639			1.96751	1.96751		
637			1.97424	1.97426		
633B			1.98234	1.98240	1.98240	deleted 1st reading
5080	LOOP		1.86033	1.86035		
672			1.98312	1.98313		
673A			1.98213	1.98215		
673B			1.98218	1.98217		
					Final Standby Value: <u>24 + 6024</u>	

Notes: _____

81 Sal P4 800 m 19-008 Bot 4	526 Sal P20 1600 m 19-008 Bot 3	527 Sal P20 1400 m 19-008 Bot 4	528 Sal P20 1200 m 19-008 Bot 5	529 Sal P20 1100 m 19-008 Bot 6	560 Sal P20 300 m 19-008 Bot 1	561 Sal P20 200 m 19-008 Bot 2	562 Sal P20 150 m 19-008 Bot 3	563 Sal P20 100 m 19-008 Bot 4
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564 Sal P20 75 m 19-008 Bot 5	565 Sal P20 50 m 19-008 Bot 6	5075 SAL LOOP 75 2019.008	632 Sal P22 3500 m 19-008 Bot 2	634 Sal P22 2500 m 19-008 Bot 4	635 Sal P22 2000 m 19-008 Bot 5	636 Sal P22 1750 m 19-008 Bot 6	633 A Sal P22 3000 m 19-008 Bot 3
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638 Sal P22 1250 m 19-008 Bot 8	639 Sal P22 1000 m 19-008 Bot 9	637 Sal P22 1500 m 19-008 Bot 7	633 B Sal P22 3000 m 19-008 Bot 3	5080 SAL 19-008 Loop	672 Sal P24 3500 m 19-008 Bot 2	673 A Sal P24 3000 m 19-008 Bot 3	673 B Sal P24 3000 m 19-008 Bot 3
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