

AUTOSAL ANALYSIS LOGSHEET

1901966

Cruise ID: <u>2018-26</u>	Cast/Station Name: <u>2018-26</u>	Analysis Date (dd mmm yyyy): <u>21 JUN 2018</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6086</u>	Ratio After Standardization: <u>24 + 6066 ? estimate</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: _____	K ₁₅ VALUE: 0.999 <u>83</u>
	After: _____	Batch #: <u>P160</u>
	Notes: _____	Batch Date: <u>20 JUN 4/2019</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
13	Har059		1.69554	1.69554		see label on back
5004?	JF1 loop		1.74560	1.74561		see label on back
24	JF2		1.76458	1.76455		
5007 loop	JF3		1.78278	1.78278		
5008 loop?	JF4?		1.80451	1.80453		see label on back
28	P1		1.84906	1.84910		
37	P2		1.82598	1.82599		had no seal on undercap
52	P3		1.83296	1.83296		
91	P4		1.83122	1.83129	1.83131	deleted 1st reading
77	P4		1.96407	1.96407		
76B	P4		1.96868	1.96863	1.96859	
76A	P4		1.96844	1.96850	1.96852	4th reading: (wasn't sure which to delete)
75B	P4		1.97203	1.97202		1.96854 ← ran out of water pt. way through reading.
75A	P4		1.97199	1.97196		
74	P4		1.97205	1.97204		
5020 loop	P4		1.83110	1.83119	1.83114	1.83113 reading all over the place
156	P5		1.83190	1.83193		
157	P6		1.84889	1.84886		
158	P7		1.85076	1.85075		
5031 loop	P8		1.83338	1.83337		
159B	P8		1.97903	1.97901		
159A	P8		1.97912	1.97917	1.97915	deleted first reading
160	P8		1.97494	1.97497		
161	P8		1.97263	1.97266		
162B	P8		1.96843	1.96838	1.96834	
162A	P8		1.96831	1.96834		

Notes: _____

TYSONCOTTI KEYJAMA JACOYNA

5004
LHC
JFI
LOOP
2018-26
~~But 1~~

5008
SAL
~~JFI~~
LOOP
2018-26
But 1

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2018-26</u>		Cast/Station Name: <u>2018-26</u>	Analysis Date (dd mmm yyyy): <u>21 JUN 2018</u>
Autosal Model: <u>8400B</u>		Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6086</u>		Ratio After Standardization: <u>24 + 6077</u>	
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>83</u>	Sample Temperature: <u>22</u> °C
	After: _____	Batch #: <u>P160</u>	Room Temperature: <u>22</u> °C
	Notes: _____	Batch Date: <u>20 JUL 4 / 2019</u>	Analyst: <u>JW</u>

[illegible]

Notes: _____

~~Bot 1~~
2018-26
1000 m
P12
SAT
504#3

Bot 2
2018-26
3000 m
P12
SAT
250A

Bot 2
2018-26
3000 m
P12
SAT
250B

Bot 3
2018-26
3000 m
P12
SAT
251

Bot 4
2018-26
2500 m
P12
SAT
252A

Bot 4
2018-26
2500 m
P12
SAT
252B

Bot 5
2018-26
2000 m
P12
SAT
253

Bot 6
2018-26
1500 m
P12
SAT
254A

Bot 6
2018-26
1500 m
P12
SAT
254B

Bot 7
2018-26
1250 m
P12
SAT
255

Bot 8
2018-26
1000 m
P12
SAT
256A

Bot 8
2018-26
1000 m
P12
SAT
256B

Bot 23
2018-26
5 m
P12
SAT
271

Bot 1
2018-26
5 m
P12
SAT
289

Bot 1
2018-26
Bot-10
P14
SAT
290

Bot 2
2018-26
1000 m
P14
SAT
291

Bot 3
2018-26
2500 m
P14
SAT
292

Bot 3
2018-26
2500 m
P14
SAT
292B

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2010 - 26</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>22</u> <u>6</u> <u>18</u>
Autosal Model: <u>8400 A</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6078</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>83</u>
	After: _____	Batch #: <u>P 160</u>
	Notes: _____	Batch Date: <u>July 20 / 18</u>
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>22</u> °C
		Room Temperature: <u>22</u> °C
		Analyst: <u>U.M.</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
292 A	P 14		1.98118	1.98119		
293	P 14		1.98028	1.98028		
294	P 14		1.97906	1.97906		
295	P 14		1.97728	1.97732		
296 A	P 14		1.97485	1.97484		
296 B	P 14		1.97485	1.97482		
297	P 14		1.97177	1.97178		
298 A	P 14		1.96818	1.96815		
298 B	P 14		1.96814	1.96814		
299	P 14		1.96431	1.96430		
300	P 14		1.95855	1.95855		
301	P 14		1.94926	1.94927		
302	P 14		1.94507	1.94509		
303	P 14		1.94348	1.94349		
304	P 14		1.94293	1.94294		
305	P 14		1.94248	1.94250		
306	P 14		1.93883	1.93881		
307	P 14		1.92380	1.92378		
308	P 14		1.90267	1.90267		
309	P 14		1.87754	1.87756		
310	P 14		1.87006	1.86992	1.87006	
311	P 14		1.86912	1.86912		
312	P 14		1.86819	1.86821		
313	P 14		1.86811	1.86809		
						Final Standby Value:

Notes: _____

Bot 3
2018-26
2500 m
P14
SAT
292
A

Bot 4
2018-26
2250 m
P14
SAT
293

Bot 5
2018-26
2000 m
P14
SAT
294

Bot 6
2018-26
1750 m
P14
SAT
295

Bot 7
2018-26
1500 m
P14
SAT
296
A

Bot 7
2018-26
1500 m
P14
SAT
296
B

Bot 8
2018-26
1250 m
P14
SAT
297

Bot 9
2018-26
1000 m
P14
SAT
298
A

Bot 9
2018-26
1000 m
P14
SAT
298
B

Bot 10
2018-26
800 m
P14
SAT
299

Bot 11
2018-26
600 m
P14
SAT
300

Bot 12
2018-26
400 m
P14
SAT
301

Bot 13
2018-26
300 m
P14
SAT
302

Bot 14
2018-26
250 m
P14
SAT
303

Bot 15
2018-26
200 m
P14
SAT
304

Bot 16
2018-26
175 m
P14
SAT
305

Bot 17
2018-26
150 m
P14
SAT
306

Bot 18
2018-26
125 m
P14
SAT
307

Bot 19
2018-26
100 m
P14
SAT
308

Bot 20
2018-26
75 m
P14
SAT
309

Bot 21
2018-26
50 m
P14
SAT
310

Bot 22
2018-26
25 m
P14
SAT
311

Bot 23
2018-26
10 m
P14
SAT
312

Bot 24
2018-26
5 m
P14
SAT
313

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2018-26</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>22</u> <u>6</u> <u>18</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24+ 6078</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>83</u>
	After: _____	Batch #: <u>P 80</u>
	Notes: _____	Batch Date: <u>JULY 20/19</u>
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>22</u> °C
		Room Temperature: <u>22</u> °C
		Analyst: <u>H.M</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
337A	P16		1.97894	1.97892		
336	P16		1.98127	1.98129		
335B	P16		1.98238	1.98240		
335A	P16		1.98239	1.98240		
334	P16		1.98297	1.98287	1.98294	
333B	P16		1.98289	1.98291		
333A	P16		1.98287	1.98292		
314	P16 P15		1.86662	1.86656	1.86657	
505Z	Loop		1.86773	1.86771		
355A	P16		1.86767	1.86765		
340B	P16		1.96719	1.96719		
340A	P16		1.96717	1.96720		
339B	P16		1.97119	1.97116		
339A	P16		1.97116	1.97119		
338	P16		1.97433	1.97436		
337B	P16		1.97892	1.97896		
404	P17		1.86787	1.86789		
406	P18		1.98314	1.98316		
407A	P18		1.98248	1.98249		
407B	P18		1.98250	1.98247		
408	P18		1.98127	1.98127		
409	P18		1.97889	1.97889		
428	P18		1.86783	1.86784		
429	P19		1.86791	1.86791		
						Final Standby Value:

Notes: _____

Bot 5
2018-26
2500 m
P16
SAL
337 A

Bot 5
2018-26
2500 m
P16
SAL
337

Bot 4
2018-26
3000 m
P16
SAL
335 B

Bot 4
2018-26
3000 m
P16
SAL
335 A

Bot 3
2018-26
3500 m
P16
SAL
334

Bot 2
2018-26
3500 m
P16
SAL
333 B

Bot 2
2018-26
3500 m
P16
SAL
333 A

Bot 1
2018-26
5 m
P16
SAL
314

Bot 5
2018-26
2500 m
P16
SAL
337

Bot 5
2018-26
2500 m
P16
SAL
337

Bot 4
2018-26
3000 m
P16
SAL
335 B

Bot 4
2018-26
3000 m
P16
SAL
335 A

Bot 3
2018-26
3500 m
P16
SAL
334 B

Bot 2
2018-26
3500 m
P16
SAL
333 A

Bot 1
2018-26
5 m
P16
SAL
314

Bot 1
2018-26
5 m
P16
SAL
314

Bot 5
2018-26
2500 m
P16
SAL
337

Bot 5
2018-26
2500 m
P16
SAL
337

Bot 4
2018-26
3000 m
P16
SAL
335 B

Bot 4
2018-26
3000 m
P16
SAL
335 A

Bot 3
2018-26
3500 m
P16
SAL
334 B

Bot 2
2018-26
3500 m
P16
SAL
333 A

Bot 1
2018-26
5 m
P16
SAL
314

Bot 1
2018-26
5 m
P16
SAL
314

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2018-26</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>25 JUN 2018</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24+6078</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>83</u> Batch #: <u>P160</u> Batch Date: <u>JUL 20/19</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>22</u> °C ^{went up to 23} Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
448B	P20		1.98295	1.98302	1.98306	1.98310 drift
448A	P20		1.98311	1.98315	1.98317	
449	P20		1.98308	1.98313	1.98314	
450A	P20		1.98232	1.98233		
450B	P20		1.98230	1.98232		
451	P20		1.98081	1.98086	1.98091	1.98088 deleted 1st reading
452	P20		1.97845	1.97845		
452A	P20		1.97846	1.97845		
453	P20		1.97350	1.97356	1.97362	1.97357
454A	P20		1.96990	1.96995	1.96997	
454B	P20		1.96991	1.96993		
455A	P20		1.96535	1.96532		
455B	P20		1.96537	1.96541		
470	P20		1.86641	1.86642		
5062 loop	P20		1.86645	1.86645		
518	P21		1.86650	1.86650		
520	P22		1.98310	1.98312		
521B	P22		1.98238	1.98240		
521A	P22		1.98238	1.98237		
522	P22		1.98086	1.98088		
523	P22		1.97868	1.97868		
524	P22		1.97691	1.97690		
542	P22		1.86750	1.86750		
543	P23		1.86863	1.86859		
5071 loop	loop		1.86879	1.86880		Final Standby Value: _____
545	P24		1.98326	1.98324		

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2018-26</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>25 JUNE 2018</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6079</u>	Ratio After Standardization: _____	
Cell Standardization (Daily) Conductivity must be ± 0.00001 compared to Standard 	Standardization Values: Before: _____ After: _____ Notes: _____	Standard Info. K ₁₅ VALUE: 0.999 <u>83</u> Batch #: <u>P160</u> Batch Date: <u>JULY 20/2019</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>23</u> °C Analyst: <u>JW / NS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
546A	P24		1.98244	1.98247		
546B	P24		1.98232	1.98231		
547	P24		1.98101	1.98099		
548	P24		1.97877	1.97877		
549	P24		1.97692	1.97693		
567	P24		1.86894	1.86894		
568	P25		1.86938	1.86936		
569	P35		1.87115	1.87115		
571A	P26		1.98372	1.98376		
571B	P26		1.98368	1.98365		
572	P26		1.98323	1.98324		
573A	P26		1.98233	1.98237		
573B	P26		1.98237	1.98238		
574	P26		1.96812	1.96811		
575A	P26		1.97861	1.97858		
575B	P26		1.97860	1.97864		
576	P26		1.97456	1.97456		
577A	P26		1.97186	1.97186		
577B	P26		1.97189	1.97182	1.97180	
578A	P26		1.96791	1.96789		
578B	P26		1.96781	1.96782		
593	P26		1.87010	1.87005	1.87012	1.87010
5079 loop	P26		1.86994	1.86998		
5091 loop	loop		1.86824	1.86820		
5092	loop		1.86764	1.86766		
5093	loop		1.86608	1.86611		

Final Standby Value: _____

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2018-26</u>		Cast/Station Name: _____		Analysis Date (dd mmm yyyy): <u>25</u> <u>JUN</u> <u>2018</u>	
Autosal Model: <u>8400 B</u>		Serial Number: <u>68572</u>			
Initial Standby Value: <u>24 + 6079</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>83</u>		Bath Temperature: <u>24</u> °C
	After: _____		Batch #: <u>P160</u>		Sample Temperature: <u>22</u> °C
	Notes: _____		Batch Date: <u>July 20 / 19</u>		Room Temperature: <u>24</u> °C
				Analyst: <u>JW</u>	

[illegible]

Notes: _____

682
SAL
P4
800 m
2018-26
Bot 5

696
SAL
P4
5 m
2018-26
Bot 19

5105
SAL
P4
LOOP
2018-26
~~Bot 1~~

13B
SAL
QCST-10
2018-93
BOT 1

13A
SAL
QCST-10
2018-93
BOT 2

T 108
2018-93
JS-01
7VS
V1

1B
SAL
JS-01
2018-93
BOT 1

5099
SAL
loop
LOOP
2018-26
Bot 1

5102
SAL
loop
LOOP
2018-26
~~Bot 1~~

5104
SAL
loop
LOOP
2018-26
~~Bot 1~~

679
SAL
P4
1250 m
2018-26
Bot 2

680 A
SAL
P4
1250 m
2018-26
Bot 3

680 B
SAL
P4
1250 m
2018-26
Bot 3

681 A
SAL
P4
1000 m
2018-26
Bot 4

681 B
SAL
P4
1000 m
2018-26
Bot 4