

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2020-009</u>	Cast/Station Name: <u>Various</u>	Analysis Date (dd mmm yyyy): <u>21 Sept. 2020</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>2476045</u>	Ratio After Standardization: _____	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>/</u>	K ₁₅ VALUE: <u>0.999</u>
	After: <u>/</u>	Batch #: <u>/</u>
	Notes: <u>/</u>	Batch Date: <u>/</u>
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>~22</u> °C
		Room Temperature: <u>21.9</u> °C
		Analyst: <u>KS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
890	Loop 90		1.84056	1.84054		
90	LB14	18 	1.84056	1.84054		
100	LC11	2	1.97210	1.97211		
75	LB14	3	1.96168	1.96169		
345A	CS00	4	1.97215	1.97214		
361	CS00	21	1.83844	1.83842		
293B	LBP7	1	1.97935	1.97936		
290	LJ09	1	1.97899	1.97901		
350	CS00	9	1.94591	1.94592		
98	LC12	3	1.96833	1.96831		
77	LB14	5	1.95129	1.95128		
236	LD11	20	1.84721	1.84717		
292	LJ09	3	1.97221	1.97220		
117	LC11	19	1.84424	1.84424		
348	CS00	7	1.95189	1.95190		
202A	LD08	3	1.95240	1.95241		
5018	Loop 18		1.83493	1.83492		
359	CS00	19	1.84292	1.84293		
220	LD11	4	1.96878	1.96876		
119	LC09	2	1.95353	1.95354		
93	LB16	2	1.97547	1.97546		
102	LC11	4	1.96303	1.96306		
245	LG06	5	1.95131	1.95130		
74B	LB14	2	1.96842	1.96843		
357	CS00	17	1.88743	1.88744		
314B	LBP5	3	1.97117	1.97118		

265
SAL
P19
2020-008
2005 m
bot 1

266
SAL
P19
2020-008
2005 m
bot 2

267
SAL
P19
2020-008
2005 m
bot 3

neck and threads badly broken - Unsure if sample was compromised

Final Standby Value: _____

Notes: _____

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Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>2476044/45</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: <u>0.999</u> Batch #: _____ Batch Date: _____
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22.2</u> °C Room Temperature: <u>22.0</u> °C Analyst: <u>KS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
291	LJ09	2	1.97494	1.97496		
353	CS00	13	1.94123	1.94124		
347	CS00	6	1.96259	1.96260		
243	LG06	3	1.96140	1.96139		
5072	Loop 72		1.84376	1.84373		
5113	Loop 113		1.84773	1.84774		
239	LG09	4	1.97266	1.97265		
352	CS00	12	1.94368	1.94367		
95	LB16	4	1.84167	1.84168		
294	LBP7	3	1.97497	1.97497		
238	LG09	3	1.97496	1.97497		
240	LG09	5	1.96875	1.96876		
105	LC11	7	1.94573	1.94576		
284	LJ02	4	1.82144	1.82145		
316	LBP5	5	1.96057	1.96058		
241	LG09	6	1.85163	1.85162		
96A	LC12	1	1.97938	1.97935		
5096	LJ02		1.81789	1.81788		
295	LBP7	4	1.97227	1.97228		
258	LG06	19	1.80511	1.80508		
351	CS00	10	1.94458	1.94459		
346	CS00	5	1.96805	1.96804		
365	CS02	4	1.97196	1.97196		
5103	LJ06		1.82762	1.82758		
5125	Loop 125		1.83001	1.83002		Final Standby Value:
221	LD11	5	1.96208	1.96210		

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

3 of 5

Cruise ID: <u>2020-009</u>	Cast/Station Name: <u>Various</u>	Analysis Date (dd mmm yyyy): <u>21 Sept 2020</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24 + 6045</u>	Ratio After Standardization: _____	
Cell Standardization (Daily) Conductivity must be ± 0.00001 compared to Standard	Standardization Values: Before: <u>/</u> After: <u>/</u> Notes: <u>/</u>	Standard Info. K ₁₅ VALUE: <u>0.999</u> Batch #: <u>/</u> Batch Date: <u>/</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>~22</u> °C Room Temperature: <u>22.2</u> °C Analyst: <u>KS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
3094	Loop 94		1.77813	1.77809		
354	CS00	14	1.93558	1.93560		
349	CS00	8	1.94821	1.94820		
120	LC09	3	1.95121	1.95124		
5171	Loop 171		1.80586	1.80580	1.80580	21 Sept. 2020
5200	Loop 200		1.71808	1.71808		
367	CS02	6	1.96252	1.96250		
358	CS00	18	1.86458	1.86458		22 Sept. 2020
222	LD11	6	1.95386	1.95385		sloby # = 24 + 6045 no Δ
296	LBP7	5	1.96854	1.96853		Ran IAPSO std as
424B	NL01	1	1.97935	1.97938		a sample before beginning
343A	CS00	1	1.97910	1.97909		1) 1.99971 nice!
293A	LBP7	1	1.97933	1.97937		2) 1.99972
5205	9	4	1.56651	1.56651		
499	2	3	1.61505	1.61506		
289	LJ06	4	1.82719	1.82718		
355	CS00	15	1.92242	1.92243		
5179	Loop 179		1.84795	1.84796		
519	27	16	1.52012	1.52011		
444	HAKI	7	1.82721	1.82722		
20213	LD08	3	1.95245	1.95243		
448	JS	2	1.83820	1.83821		
219	LD11	3	1.97284	1.97282		
237B	LG09	1	1.97950	1.97951		
551	56	3	1.72036	1.72035		Final Standby Value:
409	SS5	3	1.82436	1.82436		

Notes: _____

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Autosal Model: <u>8400B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>247 6045</u>	Ratio After Standardization: _____	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: _____	K ₁₅ VALUE: <u>0.999</u>
	After: _____	Batch #: _____
	Notes: _____	Batch Date: _____
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>22.2</u> °C
		Room Temperature: <u>21.8</u> °C
		Analyst: <u>KS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
5219	Loop219		1.53087	1.53086		
344	CS00	3	1.97492	1.97494		
356	CS00	16	1.91313	1.91312		
94	LB16	3	1.96863	1.96863		
58	LB12	2	1.95094	1.95096		
428	NLO1	5	1.96778	1.96777		
36	LB08	9	1.84047	1.84046		
5234	56		1.70965	1.70966		
314A	LBP5	3	1.97124	1.97125		
9292	LBP9	4	1.96803	1.96802		
424A	NLO1	1	1.97932	1.97933		
5175	SS1		1.82826	1.82824		
5192	Loop192		1.72576	1.72575		
315	LBP5	4	1.96748	1.96749		
427	NLO1	4	1.97138	1.97140		
479	12	16	1.61280	1.61279		
45	LB09	9	1.80855	1.80856		
426	NLO1	3	1.97410	1.97409		
5182	NLO5		1.82181	1.82180		
366	CS02	5	1.96805	1.96804		
437	NLO5	3	1.82376	1.82377		
92	LB16	1	1.97622	1.97626		
5146	Loop146		1.82714	1.82713		
463	14	3	1.64972	1.64970		
442	HAK1	5	1.86428	1.86431		
543	42	16	1.58562	1.58561		

Final Standby Value: _____

Notes: _____

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Cruise ID: <u>2020-009</u>	Cast/Station Name: <u>Various</u>	Analysis Date (dd mmm yyyy): <u>22 Sep. 2020</u>
Autosal Model: <u>S460B</u>	Serial Number: <u>68572</u>	
Initial Standby Value: <u>24+6045</u>	Ratio After Standardization: _____	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>/</u>	K ₁₅ VALUE: 0.999 <u>/</u>
	After: <u>/</u>	Batch #: <u>/</u>
	Notes: <u>/</u>	Batch Date: <u>/</u>
		Bath Temperature: <u>24</u> °C
		Sample Temperature: <u>22.2</u> °C
		Room Temperature: <u>22.9</u> °C
		Analyst: <u>KS</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
423	SS1	3	1.82832	1.82833		
343B	CS00	1	1.97897	1.97898		
5199	Loop199		1.71542	1.71543		
237A	LG09	1	1.97949	1.97950		
101	LC11	3	1.96878	1.96877		
506	27	2	1.80409	1.80410		
96B	LC12	1	1.97928	1.97930		
364	CS02	3	1.97470	1.97468		
97	LC12	2	1.97540	1.97540		
76	LB14	4	1.95196	1.95195		
317	LBP5	6	1.95226	1.95227		
244	LG06	4	1.95521	1.95522		
177	LC01	7	1.75693	1.75692		
483	9	3	1.60589	1.60588		
425	NL01	2	1.97698	1.97699		
360	CS00	20	1.83917	1.83915		
5168	SS5		1.82425	1.82426		
466	12	2	1.78856	1.78855		
530	42	2	1.80474	1.80473		
443	HAK1	6	1.85140	1.85141		
106	LC11	8	1.94377	1.94377		
74A	LB14	2	1.96847	1.96845		
342	LBP2	1	1.93398	1.93400		
345B	CS00	4	1.97220	1.97221		
P162	IAPSO std		1.99968	1.99967		
						Nice! ran as a sample. Final Standby Value: <u>24+6045</u>

Notes: _____

2020-009 Labels 1

90 SAL LB14 2020-009 5 m bot 18	100 SAL LC11 2020-009 1250 m bot 2	75 SAL LB14 2020-009 750 m bot 3	345A SAL CS00 2020-009 1250 m bot 4	361 SAL CS00 2020-009 10 m bot 21	293B SAL LBP7 2020-009 2000 m bot 1	290 SAL LJ09 2020-009 2005 m bot 1	350 SAL CS00 2020-009 300 m bot 9	98 SAL LC12 2020-009 1000 m bot 3	77 SAL LB14 2020-009 400 m bot 5
236 SAL LD11 2020-009 5 m bot 20	292 SAL LJ09 2020-009 1250 m bot 4 3	117 SAL LC11 2020-009 5 m bot 19	348 SAL CS00 2020-009 500 m bot 7	202A SAL LD08 2020-009 500 m bot 3	5018 SAL LOOP18 2020-009 Loop m bot 1	359 SAL CS00 2020-009 30 m bot 19	220 SAL LD11 2020-009 1000 m bot 4	119 SAL LC09 2020-009 500 m bot 2	93 SAL LB16 2020-009 1500 m bot 2
102 SAL LC11 2020-009 750 m bot 4	245 SAL LG06 2020-009 400 m bot 5	74B SAL LB14 2020-009 1000 m bot 2	357 SAL CS00 2020-009 75 m bot 17	314B SAL LBP5 2020-009 1250 m bot 3	291 SAL LJ09 2020-009 1500 m bot 2 2	353 SAL CS00 2020-009 175 m bot 13	347 SAL CS00 2020-009 750 m bot 6	243 SAL LG06 2020-009 750 m bot 3	5072 SAL LOOP72 2020-009 Loop m bot 1
5113 SAL LOOP113 2020-009 Loop m bot 1	239 SAL LG09 2020-009 1250 m bot 4	352 SAL CS00 2020-009 200 m bot 12	95 SAL LB16 2020-009 5 m bot 4	294 SAL LBP7 2020-009 1500 m bot 3	238 SAL LG09 2020-009 1500 m bot 3	240 SAL LG09 2020-009 1000 m bot 5	105 SAL LC11 2020-009 300 m bot 7	284 SAL LJ02 2020-009 5 m bot 4	316 SAL LBP5 2020-009 750 m bot 5
241 SAL LG09 2020-009 5 m bot 6	96A SAL LC12 2020-009 2005 m bot 1	5096 SAL LJ02 2020-009 LOOP m bot L	295 SAL LBP7 2020-009 1250 m bot 4	258 SAL LG06 2020-009 5 m bot 19	351 SAL CS00 2020-009 250 m bot 10	346 SAL CS00 2020-009 1000 m bot 5	365 SAL CS02 2020-009 1250 m bot 4	50105 5103 SAL LJ06 2020-009 LOOP m bot L	5125 SAL LOOP125 2020-009 Loop m bot 1
221 SAL LD11 2020-009 750 m bot 5	5094 SAL LOOP94 2020-009 Loop m bot 1	354 SAL CS00 2020-009 150 m bot 14	349 SAL CS00 2020-009 400 m bot 8	120 SAL LC09 2020-009 400 m bot 3	5171 SAL LOOP171 2020-009 Loop m bot 1	5200 SAL LOOP5200 2020-009 Loop m bot 1	367 SAL CS02 2020-009 750 m bot 6	358 SAL CS00 2020-009 50 m bot 18	222 SAL LD11 2020-009 500 m bot 6
296 SAL LBP7 2020-009 1000 m bot 5	424B SAL NL01 2020-009 2005 m bot 1	343A SAL CS00 2020-009 2000 m bot 1	293A SAL LBP7 2020-009 2000 m bot 1	5205 SAL 9 2020-009 LOOP m bot L	499 SAL 2 2020-009 5 m bot 3	289 SAL LJ06 2020-009 5 m bot 4	355 SAL CS00 2020-009 125 m bot 15	5179 SAL LOOP179 2020-009 Loop m bot 1	519 SAL 27 2020-009 5 m bot 16

