

AUTOSAL ANALYSIS LOGSHEET

9:15

Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL</u>	Analysis Date (dd mmm yyyy): <u>21 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>69086</u>	
Initial Standby Value: <u>24 6076</u>	Ratio After Standardization: <u>3 flushes minimum</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: <u>1.999552</u> After: <u>-0.000001</u> Notes: <u>perfect !!</u>	K ₁₅ VALUE: <u>0.999 78</u> Batch #: <u>P150</u> Batch Date: <u>05/22/08</u>
	Bath Temperature: <u>24</u> °C Sample Temperature: <u>22.3</u> °C Room Temperature: <u>22.4</u> °C Analyst: <u>Mary Steel</u>	

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
- check water sample			1.79645	1.79645		5 flushes b4 read
941	CB-18	1	1.99778	1.99783	1.99781	40 flushes
942		2	9784	9788	9787	
943		3	9758	9756		leaks
944		4	9696	9696		
945		5	9562	9562		
946		6	9396	9396		
947		7	9291	9291		leaks
948		8	9160	9161		"
949		9	9155	9154		"
950		10	8964	8965		
951		11	8612	8612		
952		12	8148	8148		
953		13	7166	7166		
954		14	5191	5189		
955		15	3469	3466	3465	
956		16	1145	1145		
957		17	0180	0181		
958		18	1.88045	1.88047		
959		19	6239	6235	1.86235	
960		20	5177	5178		
961		21	3279	3279		
962		22	1.60020	1.60020		
963		23	1.52323	1.52324		
964		24	1.48536	1.48536		Final Standby Value:

Notes: _____

AUTOSAL ANALYSIS LOGSHEET

11:10 am

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Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL</u>	Analysis Date (dd mmm yyyy): <u>21 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>69086</u>	
Initial Standby Value: <u>6076</u>	Ratio After Standardization: <u>3 flush minimum</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: _____ After: <u>Same</u> Notes: _____	K ₁₅ VALUE: <u>0.99978</u> Batch #: <u>Same</u> Batch Date: _____
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22.1</u> °C Room Temperature: <u>23.2</u> °C Analyst: <u>many steel</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
-check	water sample		1.79617	1.79618		5 flushes b4 read
965	CB-21	1	1.99787	1.99788		40 flushes *
966		2	9763	9763		
967		3	9805	9806		leaks
968		4	9700	9701		
969		5	9569	9571		
970		6	9410	9410		
971		7	9310	9310		
972		8	9228	9229		
973		9	9063	9063		
974		10	9069	9070		leaks
975		11	7967	7966		leaks
976		12	6984	6984		
977		13	5261	5260		
978		14	1.86614	1.86613		
979		15	1.92773	1.92773		leaks
980		16	1255	1261	1.91260	
981		17	1.88530	1.88532		
982		18	8080	8080		
983		19	5075	5074		
984		20	2619	2618		
985		21	1.74882	1.74881		
986		22	1.67248	1.67252	1.67252	
987		23	1.58189	1.58189		
988		24	1.49243	1.49243		Final Standby Value:

Notes:

* power outage 11:15 - 12 noon = standby @ 12:45 = 6076 all ops o.k.

AUTOSAL ANALYSIS LOGSHEET

1:55 pm

Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL</u>	Analysis Date (dd mmm yyyy): <u>21 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>69086</u>	
Initial Standby Value: <u>6075</u>	Ratio After Standardization: <u>3 flushes minimum</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: _____ After: <u>Same</u> Notes: _____	K ₁₅ VALUE: <u>0.999 78</u> Batch #: <u>Same</u> Batch Date: _____
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>23.0</u> °C Room Temperature: <u>23.4</u> °C Analyst: <u>Mary Steel</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
-check water sample -			1.79612	1.79611	-	5 flushes b4 read
989	CB-40	1	1.99767	1.99768		4 flushes
990		2	9774	9776		
991		3	9763	9763		
992		4	9705	9705		
993		5	9588	9588		
994		6	9451	9451		
995		7	9350	9350		leaks
996		8	9223	9224		
997		9	9154	9154		
998		10	9070	9068		
999		11	8560	8562		
1000		12	8066	8065		
1001		13	7147	7147		
1002		14	5170	5170		
1003		15	3335	3335		
1004		16	1642	1641		
1005		17	1181	1181		
1006		18	1439	1440		
1007		19	1.87600	1.87606	1.87607	
1008		20	6714	6715		
1009		21	3434	3433		
1010		22	2229	2229		
1011		23	1.71324	1.71323		
1012		24	1.61860	1.61860		Final Standby Value:

Notes: _____

3: pm

[illegible]

Version: 10 March 2008

AUTOSAL ANALYSIS LOGSHEET

4:15

Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL</u>	Analysis Date (dd mmm yyyy): <u>21 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>69086</u>	
Initial Standby Value: <u>6075</u>	Ratio After Standardization: <u> </u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: <u> </u> After: <u>Same</u> Notes: <u> </u>	K ₁₅ VALUE: <u>0.999 76</u> Batch #: <u>same</u> Batch Date: <u> </u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>24.0</u> °C Room Temperature: <u>24.2</u> °C Analyst: <u>Mary Steel</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
<u>Duplicates</u>	<u>2009-20 LSSL</u>					<u>3 flushes minimum</u>
864	PP-7a.	5	1.96835	1.96836		
872	↓	13	1.88954	1.88954		
880	↓	21	1.67021	1.67021		
884	CB-15	2	1.99785	1.99785		
889	↓	7	1.99323	1.99322		
906	↓	24	1.59058	1.59056		
917	CB-17	1	1.99771	1.99774		
930	↓	14	1.95135	1.95136		
939	↓	23	1.54077	1.54075		leaks.
970	CB-21	6	1.99396	1.99399		leaks
975	↓	11	1.97959	1.97958		leaks.
981	↓	17	1.88502	1.88502		
990	CB-40	2	1.99776	1.99776		
1004	↓	16	1.91658	1.91656		
1009	↓	21	1.83112	1.83113		
1062	CB-6e.	3	1.99806	1.99805		
1081	↓	22	1.73705	1.73706		
1083	↓	24	1.45447	1.45446		
1101	CB-22	2	1.99757	1.99757		
1104	↓	5	1.99684	1.99684		
1108	↓	9	1.99199	1.99200		
1126	CABOS	3	1.99330	1.99330		leaks.
1128	↓	5	1.99256	1.99255		
1146	↓	23	1.59230	1.59230		Final Standby Value:
DWS+6	LSSL		1.99771	1.99773		<u>4 flushes</u>

Notes: DWS-7 LSSL 1.99784 1.99784