

AUTOSAL ANALYSIS LOGSHEET

3 flush minimum

Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL</u>	Analysis Date (dd mmm yyyy): <u>19 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>69086</u>	
Initial Standby Value: <u>24+6076</u>	Ratio After Standardization: <u>NO STANDARDIZING DONE</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard Zero: <u>0.00000</u>	Before: <u>6076</u> After: <u>calcheck</u> Notes: <u>0.000005</u>	K ₁₅ VALUE: <u>0.99978</u> Batch #: <u>P150</u> Batch Date: <u>05/22/08</u>
	Bath Temperature: <u>24</u> °C	Sample Temperature: <u>22.2</u> °C
	Room Temperature: <u>23.3</u> °C	Analyst: <u>mary steel</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
3D-1	Deep Check		1.99779	1.99780		
3W-1	" "		1.99799	1.99799		
1014-1	CB-40b	2	1.99221	1.99223		leaking 1/8
-2		2	9193	9194		2/8
-3		2	9205	9210	9211	3/8
-4		2	9198	9198		4/8
-5		2	9193	9194		5/8
-6		2	9290	9291		- leaking 6/8
-7		2	9247	9254	9264	9264 - leaking 7/8
-8		2	9283	9282		8/8
1020-1		8	1.92020	1.92020		1/8
-2		8	1984	1983		2/8
-3		8	1967	1968		3/8
-4		8	2096	2102	2102	leaking 4/8
-5		8	1797	1797		5/8
-6		8	1874	1876		6/8
-7		8	1775	1774		7/8
-8		8	1760	1762		8/8
1027-1		15	1.83075	1.83075		1/8
-2		15	2883	2883		2/8
-3		15	2833	2837	2834	3/8
-4		15	2698	2699		leaking 4/8
-5		15	1163	1163		5/8
-6		15	1192	1192		6/8
-7		15	1183	1183		Final Standby Value: leaking 7/8
-8		15	1215	1218		8/8

Notes: start day 19/01/2010 - check water = 1.99620 1.9621 = 4 flushes at read.

14
dyp

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11:35am

Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL</u>	Analysis Date (dd mmm yyyy): <u>19 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>69086</u>	
Initial Standby Value: <u>6076.</u>	Ratio After Standardization: _____	
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>23.2</u> °C Room Temperature: <u>23.7</u> °C Analyst: <u>Mary Steel</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
3D-2	DeepCheck	—	1.9 9786	1.9 9787		
3W-2	" "	—	1.9 9813	1.9 9818	1.9 9819	flickered - 199826
—	water check sample		1.7 9626	1.7 9636		5 flushes b4 read
1036	CB-21	1	1.9 9768	1.9 9769		
1037		2	1.9 9764	1.9 9767		4 flushes
1038		3	9763	9763		
1039		4	9761	9761		
1040		5	9751	9750		leaking
1041		6	9803	9805		
1042		7	9755	9756		
1043		8	9758	9759		
1044		9	9767	9769		
1045		10	9765	9768		
1046		11	9752	9751		
1047		12	9767	9767		leaking
1048		13	9776	9776		leaking
1049		14	9754	9755		
1050		15	9756	9755		
1051		16	9762	9762		
1052		17	9789	9790		leaking
1053		18	9762	9762		leaking
1054		19	9754	9754		
1055		20	9780	9782		
1056		21	9711	9711		leaking
1057		22	9686	9692	9691	Final Standby Value: leaking
1038 dup		3	9743	9745		Leaking

Notes: 3D-3 deepcheck 1.9 9772 1.9 9772
 3W-3 deepcheck 2.0 0693 2.0 0705 2.0 0720 leaking.
 174 dup 1.9 9758 1.9 9757 save label - 4 flushes

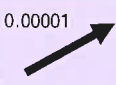
Keep labels for reference.

Water Properties Group

Institute of Ocean Sciences, Ocean Sciences Division

AUTOSAL ANALYSIS LOGSHEET

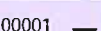
1:30 pm

Cruise ID: <u>2009-20</u>	Cast/Station Name: <u>LSSL - KRISTINA</u>	Analysis Date (dd mmm yyyy): <u>19 01 2010</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>SAMPLES</u>	
Initial Standby Value: <u>6075</u>	Ratio After Standardization: _____	
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>23.8</u> °C Room Temperature: <u>23.9</u> °C Analyst: <u>Mary Steel</u>

Sample	Station Name	Depth/Wisk#	Salinity 1	Salinity 2	Salinity 3	Comments
check sample			1.9 9611	1.9 9613		4 flushes b4 read
ITP33-1		pump1	1.5 4559	1.5 4556		4 flushes
ITP33-2		pump2	9501	9502		
ITP34-1		pump1	1.6 4037	1.6 4036		CB40/41
ITP34-2		pump2	1 3536	3536		CB40/41
Surf-1		Zodiac1	1.5 0951	1.5 0942	1.5 0950	
Surf-2		Zodiac2	5376	5379	5380	
7001	CB-22	Bot 1	1.7 9122	1.7 9124		4 flushes
7002		2	1.7 5335	1.7 5335		leaking
7003		3	0614	0614		
7004		4	1.6 2905	1.6 2904		
7005		5	1.5 1940	1.5 1939		
7006		6	1.5 1222	1.5 1220		
11W54	BL 6	—	1.5 3596	1.5 3595		4 flushes
" 55	8	—	1.4 8260	1.4 8254	1.4 8253	
62	CB 3	—	0758	0757		leaks
67	5	—	5567	5568		
68	4	—	5141	5142		leaks
72	7	—	1.5 0441	1.5 0443		
73	8	—	2587	2587		
75	9	—	3271	3271		leaks
80	10	—	6189	6190		
81	10a	—	6245	6247		
83	60	—	6987	6987		
85	61	—	7032	7028	7026	Final Standby Value:
88	11b		1.6 1684	1.6 1684		

Notes: _____

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Cruise ID: <u>2009-20</u>		Cast/Station Name: <u>LSSL - KRISTINA</u>		Analysis Date (dd mmm yyyy):	
Autosal Model: <u>8400B</u>		Serial Number: <u>69086</u>		<u>19</u> <u>01</u> <u>2010</u>	
Initial Standby Value: <u>6075</u>		Ratio After Standardization: _____			
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: <u>0.99978</u>		Sample Temperature: <u>23.7</u> °C	
	After: _____	Batch #: <u>same</u>		Room Temperature: <u>23.7</u> °C	
	Notes: _____	Batch Date: _____		Analyst: <u>mary steel</u>	

[illegible]

Notes: _____

4:20 pm

Cruise ID: <u>2009-20</u>		Cast/Station Name: <u>LSSL</u>		Analysis Date (dd/mm/yyyy): <u>19</u> / <u>01</u> / <u>2010</u>	
Autosal Model: _____		Serial Number: _____			
Initial Standby Value: <u>6075</u>		Ratio After Standardization: _____			
Cell Standardization (Daily)		Standardization Values:		Standard Info.	
Conductivity must be ± 0.00001		Before: _____		K ₁₅ VALUE: <u>0.99978</u>	
compared to Standard		After: _____		Batch #: <u>same</u>	
		Notes: _____		Batch Date: _____	
				Bath Temperature: <u>24</u> °C	
				Sample Temperature: <u>23.9</u> °C	
				Room Temperature: <u>23.9</u> °C	
				Analyst: <u>Mary Steel</u>	

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Notes: _____