

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-066</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>26 nov 2024</u>
Autosal Model: <u>9400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5984</u>	Ratio After Standardization: <u>0.000019</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard 	Before: _____ After: _____ Notes: _____	K ₁₅ VALUE: <u>0.99987</u> Batch #: <u>9166</u> Batch Date: <u>6 Apr 2025</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>20.5</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
506	BU04	b-5	1.78073	1.78071		
507	BU04	90m	1.73751	1.73751		
513	BU07	b-5	1.78058	1.78057		
514	BU07	50	1.72703	1.72705	1.72706	
520	BU01	b-5	1.78144	1.78143		
527	T02A	b-5	1.79016	1.79018		
521	BU01	50	1.73466	1.73466		
528	T02A	50	1.74220	1.74226		
534	T04A	b-5	1.78742	1.78743		
535	T04A	50	1.73472	1.73490		
542	HC2	50	1.74919	1.74920		
541	HC2	b-5	1.78468	1.78468		
548	JE09	b-5	1.80042	1.80043		
549	JE09	50	1.76324	1.76324		accidentally moved to next sample after 1 read. had to recheck
556	JE03	50	1.76681	1.76682		not open ~ 2 min
555	JE03	b-5	1.80697	1.80699		
39	JE2	b-5	1.67755	1.67752	1.67750	1st read jumpy
31	NS0	50	1.45137	1.45141	1.45141	1st read jumpy
437	MU1	50	1.83085	1.83093	1.83089	1.83094
428	MU1	b-5	1.92582	1.92584		
257	DE07	b-5	1.91684	1.91687		
267	DE09	50	1.81808	1.81803	1.81803	
275	Ca52	b-5	1.91345	1.91340	1.91344	
283	Ca52	50	1.86660	1.86662		
271	DE04	b-5	1.91455	1.91455		
302	DE04	50	1.83555	1.83556		Final Standby Value: 24 + 5988

Notes: <u>DWR</u>	read 1: <u>1.97868</u>	Evt #68 Fresh-Reg P23 2024-002 2005 m bot 1-2
	read 2: <u>1.97869</u>	

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-066</u>	Cast/Station Name: <u>marvy</u>	Analysis Date (dd mmm yyyy): <u>26 nov 2024</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5988</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: <u>0.99987</u> Batch #: <u>P166</u> Batch Date: <u>6 Apr 2025</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>22</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
328	RO2	50	1.82374	1.82374		
323	RO2	b-5	1.86714	1.86712		
12	Kn4	50	1.80736	1.80734		
2	Kn4	b-5	1.82598	1.82598		
357	SP2	50	1.84164	1.84166		
347	SP2	b-5	1.93427	1.93429		
336	BR1	b-5	1.74784	1.74783		
340	BR1	25	1.63326	1.63327		
315	RO4	50	1.81623	1.81624		
310	RO4	b-5	1.87263	1.87260		
70	SE6	b-5	1.71070	1.71073	1.71074	jumpy 1st read
62	SE4	50	1.68594	1.68593		
51	SE4	b-5	1.71178	1.71180		
81	SE6	50	1.68303	1.68308	1.68308	
43	SE2	50	1.66744	1.66746		
365	SP4	b-5	1.92421	1.92422		
371	SP4	50	1.83448	1.83447		
28	NSO	b-5	1.69112	1.69114		
386	MCI	50	1.82507	1.82510	1.82513	
379	MCI	b-5	1.90298	1.90307	1.90310	
131	BE4	50	1.73002	1.73000		
123	BE4	b-5	1.77255	1.77260	1.77260	
115	BE6	50	1.72740	1.72741		
106	BE6	b-5	1.77224	1.77222		
89	SE7-5	b-5	1.70397	1.70394		Final Standby Value:
47	SE7-5	50	1.68084	1.68083		<u>24 + 5988</u>

Notes: <u>DWR</u> read 1: <u>1.97863</u> read 2: <u>1.97863</u>	Ext #68 Cboy-cmp P23 2024-002 2005 m bot 34
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AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-066</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>26 nov 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 59.88</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: <u>0.99987</u> Batch #: <u>P166</u> Batch Date: <u>6 Apr 2025</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>22</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
462	GRI	b-5	1.87439	1.87441		
463	GRI	50	1.80868	1.80869		
454	SP	50	1.81869	1.81867		
445	SP	b-5	1.92909	1.92910		
418	KV1	50	1.84131	1.84132		
411	KY1	b-5	1.90063	1.90064		
403	MC3	50	1.83325	1.83326		
394	MC3	b-5	1.90446	1.90445		
158	ALS3	50	1.66468	1.66470	1.66470	
153	ALS3	b-5	1.66578	1.66584	1.66582	
140	ALS1	b-5	1.68625	1.68624		
145	ALS1	50	1.68236	1.68237		
482	FC2	50	1.82278	1.82280		
470	FC2	b-5	1.93348	1.93351		
490	TOL1	b-5	1.87555	1.87554		
498	TOL1	50	1.80284	1.80283		
225	BUR8	b-5	1.91698	1.91699		
244	BUR14	b-5	1.91327	1.91328		
217	BUR2	50	1.80413	1.80399	1.80414	
236	BUR8	50	1.82879	1.82878		
208	BUR1	b-5	1.91566	1.91565		
249	BUR14	50	1.81789	1.81789		
171	MES4	50	1.72561	1.72562		
166	MES4	b-5	1.73246	1.73247		1.77095
179	MES0	b-5	1.77087	1.77089	1.77097	Final Standby Value:
185	MES0	50	1.72679	1.72679		<u>24 + 59.88</u>

Notes: <u>DWR read 1 : 1.97894</u> <u>read 2 : 1.97894</u>	Ev#68 Cboy-reg P23 2024-002 2005 m bot 3-4
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AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-066</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>26 nov 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5988</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: <u>0.999 87</u> Batch #: <u>P166</u> Batch Date: <u>6 Apr 2026</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>22</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
193	BE1	65	1.76829	1.76831		
200	BE1	50	1.74082	1.74081		
150	ALS1	0	0.40826	0.40822		
163	ALS3	0	0.79764	0.79769		
176	MES4	0	0.84531	0.84533		
190	MES0	0	1.19931	1.19934		
205	BE1	0	1.36489	1.36494	1.36496	
222	BUR1	0	1.50400	1.50401		
241	BUR8	0	0.79478	0.79479		
254	BUR14	0	0.67733	0.67731		
391	MCI	0	1.38356	1.38360	1.38363	
408	MC3	0	1.29048	1.29046		
423	KY1	0	1.39605	1.39604		
442	MU1	0	1.19930	1.19930		
459	SP	0	1.30422	1.30424		
467	GRI	0	1.44959	1.44961		
503	TOL1	0	1.48454	1.48455		
487	FC2	0	1.52869	1.52868		
559	JE03	0	1.47293	1.47295		
552	JE07	0	1.53239	1.53239		
545	HC2	0	1.46673	1.46673		
538	T0A	0	1.61986	1.61987		
531	T02A	0	1.52010	1.52008		
524	BU01	0	1.32121	1.32127	1.32128	
517	BU07	0	0.37878	0.37875		Final Standby Value:
510	BU04	0	1.07877	1.07876	1.07878	

Notes: <u>DWR</u>	read 1: <u>1.77866</u>	
	read 2: <u>1.77864</u>	

Ent #68
Fresh-Reg
P23
2024-002
2005 m
bot 1-2

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-066</u>		Cast/Station Name: <u>Navy</u>		Analysis Date (dd mmm yyyy):	
Autosal Model: <u>9400B</u>		Serial Number: <u>73274</u>		<u>26</u> <u>nov</u> <u>2024</u>	
Initial Standby Value: <u>24 + 5988</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: 0.999 <u>87</u>		Sample Temperature: <u>22</u> °C	
	After: _____	Batch #: <u>P166</u>		Room Temperature: <u>22</u> °C	
	Notes: _____	Batch Date: <u>6 Apr 2025</u>		Analyst: <u>CI</u>	

[illegible]

Notes:

506 Sal BU04 2024-066 b-5 m bot 2	507 Sal BU04 2024-066 50 m bot 3	513 Sal BU07 2024-066 b-5 m bot 2	514 Sal BU07 2024-066 50 m bot 3	520 Sal BU01 2024-066 b-5 m bot 2	527 Sal TO2A 2024-066 b-5 m bot 2	521 Sal BU01 2024-066 50 m bot 3	528 Sal TO2A 2024-066 50 m bot 3	534 Sal TO4A 2024-066 b-5 m bot 2
535 Sal TO4A 2024-066 50 m bot 3	542 Sal HC2 2024-066 50 m bot 3	541 Sal HC2 2024-066 b-5 m bot 2	548 Sal JE09 2024-066 b-5 m bot 2	549 Sal JE09 2024-066 50 m bot 3	556 Sal JE03 2024-066 50 m bot 3	555 Sal JE03 2024-066 b-5 m bot 2	39 Sal SE2 2024-066 b-5 m bot 2	31 Sal NS0 2024-066 50 m bot 5
437 Sal MU1 2024-066 50 m bot 11	428 Sal MU1 2024-066 b-5 m bot 2	257 Sal DE09 2024-066 b-5 m bot 2	267 Sal DE09 2024-066 50 m bot 12	275 Sal CaS2 2024-066 b-5 m bot 2	283 Sal CaS2 2024-066 50 m bot 10	291 Sal DE04 2024-066 b-5 m bot 2	302 SAL DE04 2024-066 50m Bot 13	328 Sal RO2 2024-066 50 m bot 7
323 Sal RO2 2024-066 b-5 m bot 2	12 Sal Kn4 2024-066 50 m bot 12	2 Sal Kn4 2024-066 b-5 m bot 2	357 Sal SP2 2024-066 50 m bot 12	347 Sal SP2 2024-066 b-5 m bot 2	336 Sal BR1 2024-066 b-5 m bot 2	340 Sal BR1 2024-066 25 m bot 6	315 Sal RO4 2024-066 50 m bot 7	310 Sal RO4 2024-066 b-5 m bot 2
70 Sal SE6 2024-066 b-5 m bot 2	62 Sal SE4 2024-066 50 m bot 13	51 Sal SE4 2024-066 b-5 m bot 2	81 Sal SE6 2024-066 50 m bot 13	43 Sal SE2 2024-066 50 m bot 6	365 Sal SP4 2024-066 b-5 m bot 2	371 Sal SP4 2024-066 50 m bot 8	28 Sal NS0 2024-066 b-5 m bot 2	386 Sal MC1 2024-066 50 m bot 9
379 Sal MC1 2024-066 B-5 m bot 2	131 Sal BE4 2024-066 50 m bot 10	123 Sal BE4 2024-066 b-5 m bot 2	115 Sal BE6 2024-066 50 m bot 11	106 Sal BE6 2024-066 b-5 m bot 2	89 Sal SE7_5 2024-066 b-5 m bot 2	97 Sal SE7_5 2024-066 50 m bot 10	462 Sal GR1 2024-066 b-5 m bot 2	463 Sal GR1 2024-066 50 m bot 3
454 Sal SP 2024-066 50 m bot 11	445 Sal SP 2024-066 b-5 m bot 2	418 Sal KY1 2024-066 50 m bot 9	411 Sal KY1 2024-066 B-5 m bot 2	403 Sal MC3 2024-066 50 m bot 11	394 Sal MC3 2024-066 b-5 m bot 2	158 Sal ALS3 2024-066 50 m bot 7	153 Sal ALS3 2024-066 b-5 m bot 2	140 Sal ALS1 2024-066 b-5 m bot 2

145 Sal ALS1 2024-066 50 m bot 7	482 Sal FC2 2024-066 50 m bot 14	470 Sal FC2 2024-066 b-5 m bot 2	490 Sal TOL1 2024-066 b-5 m bot 2	498 Sal TOL1 2024-066 50 m bot 10	225 Sal BUR8 2024-066 b-5 m bot 2	244 Sal BUR14 2024-066 b-5 m bot 2	217 Sal BUR1 2024-066 50 m bot 11	236 Sal BUR8 2024-066 50 m bot 13
208 Sal BUR1 2024-066 b-5 m bot 2	249 Sal BUR14 2024-066 50 m bot 7	171 Sal MES4 2024-066 50 m bot 7	166 Sal MES4 2024-066 b-5 m bot 2	179 Sal MES0 2024-066 b-5 m bot 2	185 Sal MES0 2024-066 50 m bot 8	193 Sal BE1 2024-066 b-5 m bot 2	200 Sal BE1 2024-066 50 m bot 9	150 Sal ALS1 2024-066 0 m bot 12
163 Sal ALS3 2024-066 0 m bot 12	176 Sal MES4 2024-066 0 m bot 12	190 Sal MES0 2024-066 0 m bot 13	205 Sal BE1 2024-066 0 m bot 14	222 Sal BUR1 2024-066 0 m bot 16	241 Sal BUR8 2024-066 0 m bot 18	254 Sal BUR14 2024-066 0 m bot 12	391 Sal MC1 2024-066 0 m bot 14	408 Sal MC3 2024-066 0 m bot 16
423 Sal KY1 2024-066 0 m bot 14	442 Sal MU1 2024-066 0 m bot 16	459 Sal SP 2024-066 0 m bot 16	467 Sal GR1 2024-066 0 m bot 7	503 Sal TOL1 2024-066 0 m bot 15	487 Sal FC2 2024-066 0 m bot 19	559 Sal JE03 2024-066 0 m bot 6	552 Sal JE09 2024-066 0 m bot 6	545 Sal HC2 2024-066 0 m bot 6
538 Sal TO4A 2024-066 0 m bot 6	531 Sal TO2A 2024-066 0 m 344 6	524 Sal BU01 2024-066 0 m bot 6	517 Sal BU07 2024-066 0 m bot 6	510 Sal BU04 2024-066 0 m bot 6	376 Sal SP4 2024-066 0 m bot 13	362 Sal SP2 2024-066 0 m bot 17	307 Sal DE04 2024-066 0 m bot 18	320 Sal RO4 2024-066 0 m bot 12
333 Sal RO2 2024-066 0 m bot 12	Sal BR1 2024-066 0 m bot 10	288 Sal CaS2 2024-066 0 m bot 15	272 Sal DE09 2024-066 0 m bot 17	137 Sal BE4 2024-066 0 m bot 16	120 Sal BE6 2024-066 0 m bot 16	67 Sal SE4 2024-066 0 m bot 18	103 Sal SE7_5 2024-066 0 m bot 16	86 Sal SE6 2024-066 0 m bot 18
48 Sal SE2 2024-066 0 m bot 11	17 Sal Kn4 2024-066 0 m bot 17	36 Sal NS0 2024-066 0 m bot 10						