

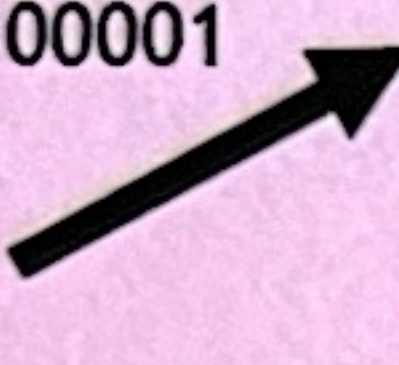
AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-069</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>08 JUL 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5984</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>87</u> Batch #: <u>P166</u> Batch Date: <u>6 Apr 2024</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>20.9</u> °C Analyst: <u>CI&SK</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
301	D09	0	0.44449	0.44450		
304	D06	bot - S	1.84651	1.84652		
312	D06	50	1.85147	1.85148		
318	D06	0	0.86847	0.86847		
321	D01	bot - S	1.90226	1.90230		
330	D01	50	1.84668	1.84673		
335	D01	0	1.49818	1.49817		
5101	LOOPS	loop	1.83416	1.83419		
366	HECS4	bot - S	1.88905	1.88906		
363	HECS1	0	1.81218	1.81219		
358	HECS1	50	1.83893	1.83893		
352	HECS1	bot - S	1.93583	1.93584		
5104	LOOP104	loop	1.82556	1.82555		
344	SRN1(MT01)	50	1.84320	1.84321		timed out pre read
338	SRN1(MT01)	bot - S	1.94705	1.94705		
349	SRN1(MT01)	0	1.82412	1.82412		
404	HECS8	50	1.85369	1.85370		
400	HECS8	bot - S ^{keep}	1.92362	1.92365	1.92368	2nd read jumpy 1.92365
5124	LOOP104	loop	1.83607	1.83607		
5121	LOOP104	loop	1.58036	1.58035		
377	CEB3	bot - S	1.87206	1.87206		
5110	LOOP104	loop	1.79358	1.79358		
375	HECS4	0	1.81955	1.81956		
370	HECS4	50	1.83547	1.83547		cap not fully seated
409	HECS8	0	1.83992	1.83992		Final Standby Value:
5130	LOOP104	loop	1.74169	1.74138	1.74138	24 + 5984

Notes: used std info from 2024-030

AUTOSAL ANALYSIS LOGSHEET

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Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	<u>08</u> <u>JUL</u> <u>2024</u>
Initial Standby Value: <u>24 + 5984</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>87</u> Batch #: <u>P166</u> Batch Date: <u>6 Apr 2024</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>21</u> °C Analyst: <u>CI & SK</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
412	Dix 1	0-5	1.93630	1.93630		
424	Dix 1	0	1.82721	1.82720		
418	Dix 1	50	1.86823	1.86825		
5144	loop104	loop	1.79475	1.79475		
5145	loop104	loop	1.78974	1.78974		
5158	loop104	loop	1.56483	1.56480		
453	CH02	0-5	1.91358	1.91359		
460	CH02	50	1.83527	1.83527		
466	CH02	0	1.33532	1.33533		
484	P14	0	1.06646	1.06648		
5164	loop104	loop	1.25908	1.25908		
5167	loop104	loop	1.51116	1.51115		
496	KH1	0	1.02118	1.02120		
506	KH3	0	0.40459	0.40460		
5179	loop104	loop	1.02211	1.02212		
542	OBS	0	1.05063	1.05064		
5183	loop104	loop	0.94433	0.94434		
546	HA3	bot-5	1.84786	1.84787		
5196	loop104	loop	1.08616	1.08616		
5201	loop104	loop	0.90204	0.90203		
5203	loop104	loop	0.94664	0.94666		
5043	loops	loop	1.82851	1.82849		
136	SRC	Bot-5	1.94037	1.94037		
139	SRC	25	1.83081	1.83083		
144	SRC	0m	1.82993	1.82996		
5053	loops	loop	1.82710	1.82712		
						Final Standby Value: <u>24 + 5984/5</u>

Notes: used std info from 2024-030

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-064</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>08 July 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73234</u>	
Initial Standby Value: <u>24 + 5985</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 April 2025</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>21.4</u> °C Analyst: <u>CI & SK</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
147	MTOS	bot-S	1.94865	1.94863		
153	MTOS	50	1.85907	1.85906		
159	MTOS	0	1.83255	1.83253		
5056	LOOPS	loop	1.83533	1.83532		cap/insert not fully seated
162	JPS7	bot-S	1.88994	1.88995		
167	JPS7	50	1.84723	1.84724		
172	JPS7	0	1.83172	1.83173		
5062	LOOPS	loop	1.84073	1.84073		
5068	LOOPS	loop	1.71671	1.71671		
175	WHA3	b-5	1.90320	1.90320		
190	WCSO	b-10	1.90297	1.90295		
204	VP46	b-5	1.86777	1.86777		
210	VP46	50	1.82595	1.82592		
215	VP46	0	1.80055	1.79605	0.79599	jumpy 1 st read 0.79597
272	DEV14	b-5	1.89258	1.89259	1.89260	
280	DEV14	50	1.83882	1.83883		
286	DEV14	0	0.75540	0.75506	0.75503	jumpy 1 st read
289	DO9	b-5	1.89165	1.89164		
296	DO9	50	1.83840	1.83837		
92	MS08B	50	1.86284	1.86286		
97	MS08B	0	1.85068	1.85068		
115	HG (MT10)	50	1.82755	1.82754		
100	HG (MT10)	50	1.95264	1.95266		
109	HG MT10	—	1.85071	1.85069		
118	MT08B	b-5	1.95321	1.95322		Final Standby Value:
127	MT08B	50	1.84881	1.84874	1.84875	<u>24 + 5984</u>

Notes: used std. info from 2024-030
DWR fresh crmp read 1: 1.97870
read 2: 1.97871

ps: 34.5814 psu

Evt #68

Frsh-crmp

P23

2024-002

2005 m

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-069</u>		Cast/Station Name: <u>many</u>		Analysis Date (dd mmm yyyy):	
Autosal Model: <u>8400B</u>		Serial Number: <u>73274</u>		<u>08</u> <u>Jul</u> <u>2024</u>	
Initial Standby Value: <u>24+5984</u>		Ratio After Standardization: _____			
Cell Standaridization (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>21.0</u> °C	
	Notes: _____	Batch Date: <u>6 Apr 2025</u>		Analyst: <u>CI</u>	

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Notes: used std info from 2024-030

301 Sal DO9 2024-069 0 m bot 14	304 Sal DO6 2024-069 b-5 m bot 2	312 Sal DO6 2024-069 50 m bot 10	318 Sal DO6 2024-069 0 m bot 16	321 Sal DO1 2024-069 b-5 m bot 2	330 Sal DO1 2024-069 50 m bot 11	335 Sal DO1 2024-069 0 m bot 16	5101 Sal LOOPS 2024-069 m bot 1	366 Sal HECS4 2024-069 b-5 m bot 2
363 Sal HECS1 2024-069 0 m bot 13	358 Sal HECS1 2024-069 50 m bot 8	352 Sal HECS1 2024-069 b-5 m bot 2	5104 Sal LOOP104 2024-069 m bot 1	344 Sal SKIN1 (MT01) 2024-069 50 m bot 8	338 Sal SKIN1 (MT01) 2024-069 b-5 m bot 2	349 Sal SKIN1 (MT01) 2024-069 0 m bot 13	404 Sal HECS8 2024-069 50 m bot 6	400 Sal HECS8 2024-069 b-5 m bot 2
5124 Sal LOOP104 2024-069 m bot 1	5121 Sal LOOP104 2024-069 m bot 1	377 Sal CEB3 2024-069 b-5 m bot 1	5110 Sal LOOP104 2024-069 m bot 1	375 Sal HECS4 2024-069 0 m bot 11	370 Sal HECS4 2024-069 50 m bot 6	409 Sal HECS8 2024-069 0 m bot 11	5130 Sal LOOP104 2024-069 m bot 1	412 Sal Dix1 2024-069 b-5 m bot 2
424 Sal Dix1 2024-069 0 m bot 14	418 Sal Dix1 2024-069 50 m bot 8	5144 Sal LOOP104 2024-069 m bot 1	5145 Sal LOOP104 2024-069 m bot 1	5158 Sal LOOP104 2024-069 m bot 1	453 Sal CH02 2024-069 b-5 m bot 2	460 Sal CH02 2024-069 50 m bot 9	466 Sal CH02 2024-069 0 m bot 15	484 Sal PI4 2024-069 0 m bot 17
5164 Sal LOOP104 2024-069 m bot 1	5167 Sal LOOP104 2024-069 m bot 1	496 Sal KH1 2024-069 0 m bot 11	506 Sal KH3 2024-069 0 m bot 9	5179 Sal LOOP104 2024-069 m bot 1	542 Sal OB5 2024-069 0 m bot 18	5183 Sal LOOP104 2024-069 m bot 1	546 Sal HA3 2024-069 B-5 m bot 3	5196 Sal LOOP104 2024-069 m bot 1
5201 Sal LOOP104 2024-069 m bot 1	5203 Sal LOOP104 2024-069 m bot 1	5043 Sal LOOPS 2024-069 m bot 1	136 Sal SRC 2024-069 B-5 m bot 2	139 Sal SRC 2024-069 50 m bot 5	144 Sal SRC 2024-069 0 m bot 10	5053 Sal LOOPS 2024-069 m bot 1	147 Sal MT05 2024-069 b-5 m bot 2	153 Sal MT05 2024-069 50 m bot 8

Notes:

159 Sal MT05 2024-069 0 m bot 14	5056 Sal LOOPS 2024-069 m bot 1	162 Sal JPS7 2024-069 b-5 m bot 2	167 Sal JPS7 2024-069 50 m bot 7	172 Sal JPS7 2024-069 0 m bot 12	5062 Sal LOOPS 2024-069 m bot 1	5068 Sal LOOPS 2024-069 m bot 1	175 Sal WHA3 2024-069 b-5 m bot 2	190 Sal WC50 2024-069 b-10 m bot 1
204 Sal VP46 2024-069 b-5 m bot 2	210 Sal VP46 2024-069 50 m bot 8	215 Sal VP46 2024-069 0 m bot 13	272 Sal DEV14 2024-069 b-5 m bot 2	280 Sal DEV14 2024-069 50 m bot 10	286 Sal DEV14 2024-069 0 m bot 16	289 Sal DO9 2024-069 b-5 m bot 2	296 Sal DO9 2024-069 50 m bot 9	92 Sal MS08B 2024-069 50 m bot 16
97 Sal MS08B 2024-069 0 m bot 21	115 Sal HG (MT10) 2024-069 m bot 17	100 Sal HG (MT10) 2024-069 m bot 2	109 Sal HG (MT10) 2024-069 m bot 11	118 Sal MT08B 2024-069 b-5 m bot 2	127 Sal MT08B 2024-069 50 m bot 11	133 Sal MT08B 2024-069 0 m bot 17	52 Sal Scotts3 2024-069 0 m bot 14	55 Sal CI06 2024-069 b-5 m bot 2
67 Sal CI06 2024-069 50 m bot 14	72 Sal CI06 2024-069 0 m bot 19	74 Sal Scott2 2024-069 50 m bot 1	75 Sal Scott2 2024-069 40 m bot 2	76 Sal Scott2 2024-069 30 m bot 3	78 Sal MS08B 2024-069 b-5 m bot 2	14 Sal Q1 2024-069 b-5 m bot 2	19 Sal Q1 2024-069 50 m bot 7	25 Sal Q1 2024-069 0 m bot 13
28 Sal Q3 2024-069 b-5 m bot 2	31 Sal Q3 2024-069 50 m bot 5	37 Sal Q3 2024-069 0 m bot 11	40 Sal Scotts3 2024-069 b-5 m bot 2	47 Sal Scotts3 2024-069 50 m bot 9				