

457 Sal MS08B 2022-069 b-10 m bot 3	47 Sal CS01 2022-069 b-5 m bot 2	204 Sal HECS4 2022-069 b-5 m bot 2	22 Sal N22 2022-069 50 m bot 6	168 Sal JPS7 2022-069 50 m bot 5	38 Sal Scotts3 2022-069 50 m bot 9	2 Sal E01 2022-069 0 m bot 2	141 Sal JPS3 2022-069 50 m bot 10
88 Sal HAK1 2022-069 50 m bot 7	187 Sal SRINI (MT01) 2022-069 0 m bot 12	68 Sal CI04 2022-069 b-5 m bot 2	107 Sal MT08b 2022-069 50 m bot 11				

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-069</u>		Cast/Station Name: _____		Analysis Date (dd mmm yyyy): <u>12 08 2022</u>	
Autosal Model: _____		Serial Number: <u>73274</u>			
Initial Standby Value: <u>24+5988</u>		Ratio After Standardization: <u>0.999860</u>			
Cell Standardization (Daily)	Standardization Values:	Standard Info.		Bath Temperature: <u>24</u> °C	
Conductivity must be ± 0.00001 compared to Standard 	Before: <u>4.88</u>	K ₁₅ VALUE: <u>0.99986</u>		Sample Temperature: _____ °C	
	After: <u>/</u>	Batch #: <u>P165</u>		Room Temperature: <u>21.5</u> °C	
	Notes: <u>/</u>	Batch Date: <u>15 APR 2024</u>		Analyst: <u>HS</u>	

Sample	Station Name	Depth/Misk#	Salinity 1	Salinity 2	Salinity 3	Comments
P165	Calibration		1.99971			NO Adjustment
	Sample.		1.99972	1.99971		31.994
5	Q3	2	1.90319	1.90319		33.1033
83	HAKI	2	1.93267	1.93269		33.6793
113	MT08b	17	1.82905	1.82906		31.6618
98	MT08b	2	1.94942	1.94943		34.0071
15	Q3	12	1.78873	1.78873		30.8819
44	Scotts3	15	1.79259	1.79259		30.9567
173	JPS7	10	1.83436	1.83436		31.7646
123	JPS1	6	1.85095	1.850925		*Insert not sealed likely not sealed. 32.0863
147	JPS3	16	1.82679	1.826842	1.82682	31.6184.
226	HECS8	12	1.71632	1.71630		29.4885 Bottle chipped Seal stuck
195	HECS1	7	1.82539	1.82533	1.82534	Deuter R1 31.5894
181	SRN1	6	1.85522	1.85522		32.1693
150	JPS5	2	1.90334	1.90335		33.1059
213	HECS4	11	1.77583	1.77582		30.6329
162	JPS5	14	1.84340	1.84337	1.84336	31.9391 not v-stable.
89	HAKI	8	1.80415	1.80416		31.1798
59	CSO1	14	1.86417	1.86415		32.3431
28	N22	12	1.77301	1.77301		30.5785
74	C104	8	1.84512	1.84513		30.9735
95	HAKI	14	1.62613	1.62613		327.7666
80	C104	14	1.79324	1.79322		30.9687
18	N22	2	1.90226	1.90225		33.0847
87	HAKI	6	1.82649	1.82643	31.6110	Final Standby Value:
P163	exp2022 K15=0.99985		1.99969	1.999670	34.9940	<u>24+5988</u>

Notes: _____

5
Sal
Q3
2022-069
b-5 m
bot 2

83
Sal
HAK1
2022-069
b-5 m
bot 2

113
Sal
MT08b
2022-069
0 m
bot 17

98
Sal
MT08b
2022-069
b-5 m
bot 2

15
Sal
Q3
2022-069
0 m
bot 12

44
Sal
Scotts3
2022-069
0 m
bot 15

173
Sal
JPS7
2022-069
0 m
bot 10

123
Sal
JPS1
2022-069
50 m
bot 6

147
Sal
JPS3
2022-069
0 m
bot 16

226
Sal
HECS8
2022-069
0 m
bot 12

195
Sal
HECS1
2022-069
50 m
bot 7

181
Sal
SKIN1
(MT011)
2022-069
50 m
bot 6

150
Sal
JPS5
2022-069
b-5 m
bot 2

213
Sal
HECS4
2022-069
0 m
bot 11

162
Sal
JPS5
2022-069
0 m
bot 14

89
Sal
HAK1
2022-069
40 m
bot 8

59
Sal
CS01
2022-069
50 m
bot 14

28
Sal
N22
2022-069
0 m
bot 12

74
Sal
CI04
2022-069
50 m
bot 8

95
Sal
HAK1
2022-069
0 m
bot 14

80
Sal
CI04
2022-069
0 m
bot 14

18
Sal
N22
2022-069
b-5 m
bot 2

87
Sal
HAK1
2022-069
50 m
bot 6

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-069</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>12 08 2022</u>
Autosal Model: _____	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: <u>4.88</u>	K ₁₅ VALUE: 0.999
	After: <u>/</u>	Batch #: <u>see last PAGE</u>
	Notes: <u>/</u>	Batch Date: _____
		Bath Temperature: <u>24</u> °C
		Sample Temperature: _____ °C
		Room Temperature: <u>21.6</u> °C
		Analyst: <u>HS</u>

Sample	Station Name	Depth/Misk#	Salinity 1	Salinity 2	Salinity 3	Comments
65	CS01	20	1.82647	1.82648	31.6118	
91	HAK1	10	1.78844	1.78844	30.8764	
31	SCOTT53	2	1.94747	1.94748		33.9688
9	Q3	6	1.86949	1.86949		32.4468
177	SRN1	2	1.94013	1.94013	1.94015	33.8253
201	HECS1	13	1.7617	1.76417	1.76418	30.4086
165	JPS7	2	1.89679	1.89683	1.87685	32.9793 Delete R1
130	JPS1	13	1.82950	1.82950		31.6706
216	HECS8	12	1.89706	1.89706		32.9838
133	JPS3	2	1.90283	1.90281		33.0959
207	HECS4	5	1.82107	1.82105		31.5069
119	JPS1	2	1.88039	1.88038		32.6584
1586	JPS5	8	1.85039	1.85040		32.0759
190	HECS1	2	1.92747	1.92749		33.5779
317	Chat3	14	1.51685	1.51690	1.51190	32.5705 Delete R2, still
3261	Dix2	2	1.94194	1.94198	1.94198	33.8608
241	DIX1	14	1.77950	1.77955	1.77955	30.8993 *check Program
229A	DIX1	2				
296	CH16	7	1.82374	1.82375		31.5591
229A	DIX1	2	1.93447	1.93448		33.7145
336	KH1	2	1.82120	1.82122		31.5097
353	DIX3	11	1.81750	1.81753	1.81753	31.4385 Delete R1
282	CH14	6	1.80789	1.80789		31.2520
305	Chat3	2	1.90343	1.90346		33.1090
327	CH02	9	1.82676	1.82678	1.82682	Final Standby Value: <u>24+5988</u>
244	DIX3	2	1.94370	1.94370		

Notes: _____

* 241 Sal Program did calculate 2nd read incorrectly, used macro from Raw data to correct

65 Sal CS01 2022-069 0 m bot 20	91- Sal HAK1 2022-069 20 m bot 10	31 Sal Scotts3 2022-069 b-5 m bot 2	9 Sal Q3 2022-069 50 m bot 6	177 Sal SKIN1 (MT01) 2022-069 b-5 m bot 2	201 Sal HECS1 2022-069 0 m bot 13	165 Sal JPS7 2022-069 b-5 m bot 2	130 Sal JPS1 2022-069 0 m bot 13	216 Sal HECS8 2022-069 b-5 m bot 2
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133 Sal JPS3 2022-069 b-5 m bot 2	207 Sal HECS4 2022-069 50 m bot 5	119 Sal JPS1 2022-069 b-5 m bot 2	156 Sal JPS5 2022-069 50 m bot 8	190 Sal HECS1 2022-069 b-5 m bot 2	317 Sal Chat3 2022-069 0 m bot 14	261 Sal Dix2 2022-069 b-5 m bot 2	241 Sal DIX1 2022-069 0 m bot 14	296 Sal CH16 2022-069 50 m bot 7
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229A Sal DIX1 2022-069 b-5 m bot 2	336 Sal KH1 2022-069 b-5 m bot 2	253 Sal Dix3 2022-069 50 m bot 11	282 Sal CH14 2022-069 m bot 6	305 Sal Chat3 2022-069 b-5 m bot 2	327 Sal CH02 2022-069 m bot 9	244 Sal Dix3 2022-069 b-5 m bot 2
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AUTOSAL ANALYSIS LOGSHEET

4/5

Cruise ID: <u>2022-069</u>		Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>15</u> <u>08</u> <u>2022</u>
Autosal Model: <u>73274</u>		Serial Number: _____	
Initial Standby Value: <u>24.598918</u>		Ratio After Standardization: <u>0.999862</u>	

Cell Standardization (Daily)	Standardization Values:	Standard Info.	Bath Temperature: <u>24</u> °C
Conductivity must be ± 0.00001 compared to Standard	Before: <u>4.88</u>	K ₁₅ VALUE: <u>0.99986</u>	Sample Temperature: _____ °C
	After: <u>/</u>	Batch #: <u>P165</u>	Room Temperature: <u>22</u> °C
	Notes: _____	Batch Date: <u>15APR2022</u>	Analyst: <u>HIS</u>

Sample	Station Name	Depth (Nisk#)	Salinity 1	Salinity 2	Salinity 3	Comments
P165	CAL		1.99972			
P165	SAMPLE		1.99973	1.99973		PSU 34.9947
235	DIX1	8	1.86964	1.86963	1.86964	32.4495
376	P14	18	1.13858	1.13858	1.13858	18.7197
392	PC08	2	1.90390	1.90392	1.90395	33.1173
470	MS08B	16	1.86399	1.86404	1.86403	Delete R1 32.3406
302	CH16	13	1.45314	1.45312		BLIS AP case 24.5051
348	KH1	14	1.12382	1.12380	1.12380	Delete R1 18.4527
415	PC13	12	0.11810	0.11810	0.	1.6335. wrong
431	MT05	15	1.77182	1.77185	1.77189	1.77189 Delete R1 30.5568
269	DIX2	10	1.86664	1.86664	1.86666	*Manual calc, Program crash. 2 stable reads
271	CH16	2				
291	CH16	2	1.89140	1.89140		PSU 32.8734
357	KH3	8	0.27848	0.27848	0.27846	PSU 4.0688
389	P05	12	0.82324	0.82325		13.1235
452	MT118	20	1.82289	1.82290	1.82290	31.8425
418	MT05	2	1.94756	1.94757	1.94758	33.9707
P163			1.99969	1.99970		34.9941
258	DIX3	17	1.48137	1.48137		25.0339
320	CH02	2	1.90962	1.90960		33.2283
351	KH3	2	1.79219	1.79217	1.79217	Delete R1 30.9482
405	PC13	2	1.87883	1.87888	1.87892	1.87890 Delete R1, R2
396	PC08	6	1.81192	1.81189	1.81191	PSU 31.3301
383	P05	6	1.82015	1.82014		
278	CH14	2	1.87064	1.87063	1.87062	Final Standby Value:
370	P14	12	1.83066	1.83072	1.83071	

Notes: NO CAL Adjustment needed!!

235 Sal DIX1 2022-069 50 m bot 8	376 Sal PI4 2022-069 0 m bot 18	392 Sal PC08 2022-069 b-5 m bot 2	470 Sal MS08B 2022-069 50 m bot 16	302 Sal CH16 2022-069 0 m bot 13	348 Sal KH1 2022-069 0 m bot 14	415 Sal PC13 2022-069 0 m bot 12	431 Sal MT05 2022-069 0 m bot 15	269 Sal Dix2 2022-069 50 m bot 10	291 Sal CH16 2022-069 b-5 m bot 2
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357 Sal KH3 2022-069 0 m bot 8	389 Sal PO5 2022-069 0 m bot 12	452 Sal MT11B 2022-069 0 m bot 20	418 Sal MT05 2022-069 b-5 m bot 2	258 Sal Dix3 2022-069 0 m bot 17	320 Sal CH02 2022-069 m bot 2	351 Sal KH3 2022-069 b-5 m bot 2	405 Sal PC13 2022-069 b-5 m bot 2	396 Sal PC08 2022-069 50 m bot 6
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383 Sal PO5 2022-069 50 m bot 6	278 Sal CH14 2022-069 m bot 2	370 Sal PI4 2022-069 50 m bot 12
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AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2022-069</u>		Cast/Station Name: _____		Analysis Date (dd mmm yyyy): <u>15</u> <u>08</u> <u>2022</u>	
Autosal Model: _____		Serial Number: <u>73274</u>			
Initial Standby Value: <u>245988</u>		Ratio After Standardization: _____			
Cell Standardization (Daily)	Standardization Values:	Standard Info.		Bath Temperature: <u>24</u> °C	
Conductivity must be ± 0.00001	Before: <u>488</u>	K_{15} VALUE: 0.999 <u>86</u>		Sample Temperature: _____ °C	
compared to Standard 	After: <u>/</u>	Batch #: <u>P165</u>		Room Temperature: <u>22</u> °C	
	Notes: _____	Batch Date: _____		Analyst: <u>HS</u>	

[illegible]

Notes: _____

310 Sal Chat3 2022-069 50 m bot 7	229B Sal DIX1 2022-069 b-5 m bot 2	275 Sal Dix2 2022-069 0 m bot 16	360 Sal PI4 2022-069 b-5 m bot 2	333 Sal CH02 2022-069 m bot 15	288 Sal CH14 2022-069 m bot 12	434 Sal MT11B 2022-069 b-5 m bot 2	402 Sal PC08 2022-069 0 m bot 12	409 Sal PC13 2022-069 50 m bot 6
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425 Sal MT05 2022-069 50 m bot 9	220 Sal HECS8 2022-069 50 m bot 6	341 Sal KH1 2022-069 50 m bot 7	446 Sal MT11B 2022-069 50 m bot 14	379 Sal PO5 2022-069 b-5 m bot 2	477 Sal MS08B 2022-069 0 m bot 23
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