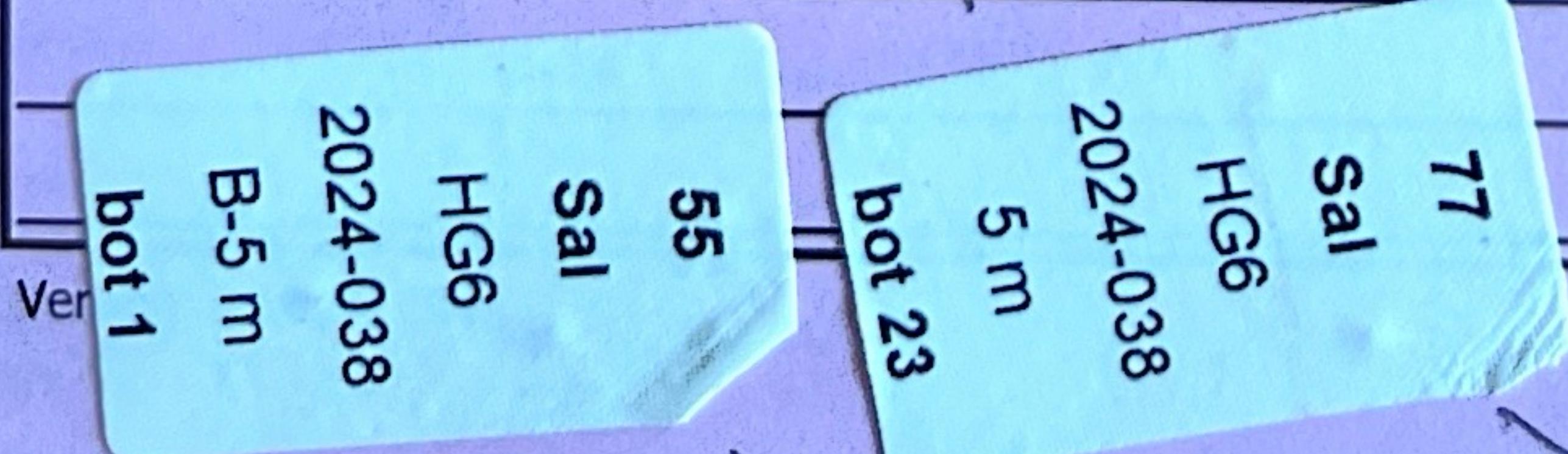


AUTOSAL ANALYSIS LOGSHEET

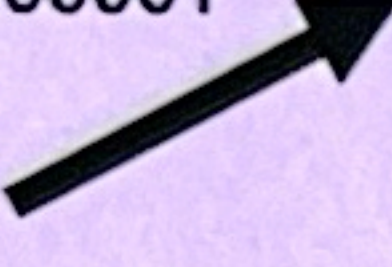
Cruise ID: <u>2024-038</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>09 Jul 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5984</u>	Ratio After Standardization: _____	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: _____ After: _____ Notes: _____	K ₁₅ VALUE: 0.999 <u>87</u> Batch #: <u>9166</u> Batch Date: <u>6 Apr 2024</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>20.6</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
99	HG 2	0	1.85119	1.85119		run on old cal from 2024-030
98	HG 2	5	1.85140	1.85140		sat open for ~10 minutes
96	HG 2	30	1.85315	1.85317		
95	HG 2	50	1.86134	1.86134		
94B	HG 2	80	1.87533	1.87535		
94A	HG 2	80	1.87535	1.87536		
93	HG 2	100	1.89868	1.89869		
92	HG 2	125	1.92005	1.92005		
91	HG 2	150	1.92942	1.92943		
90	HG 2	200	1.93966	1.93968		
89	HG 2	300	1.94376	1.94379		
88	HG 2	400	1.94894	1.94891		
87	HG 2	600	1.95638	1.95639		
86	HG 2	800	1.96293	1.96292		
85	HG 2	900	1.96510	1.96510		
84	HG 2	1000	1.96666	1.96666		
83B	HG 2	1100	1.96843	1.96845		
83A	HG 2	1100	1.96847	1.96849		
82	HG 2	1200	1.96991	1.96990		
81	HG 2	1400	1.97260	1.97263		
80	HG 2	1800	1.97381	1.97383		
79	HG 2	6-5	1.97513	1.97514		
5039	LOOP	-	1.85441	1.85440		
78	HG 6	0	1.85379	1.85380		
76	HG 6	20	1.85364	1.85364		Final Standby Value:
75	HG 6	30	1.85635	1.85637		<u>24 + 5984/5</u>

Notes: used std info from 2024-030 for sample 99, new std for rest

samples not taken! empty bottles

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-038</u>	Cast/Station Name: <u>many</u>	Analysis Date (dd mmm yyyy): <u>09 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: <u>0.99987</u> Batch #: <u>PI66</u> Batch Date: <u>6 Apr 2024</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>20</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
74B	HG 6	50	1.86326	1.86328		
74A	HG 6	50	1.86324	1.86326		
73	HG 6	80	1.87360	1.87360		
72	HG 6	100	1.89368	1.89370		
71	HG 6	125	1.92303	1.92302		
70	HG 6	150	1.92875	1.92875		
69	HG 6	200	1.93897	1.93899		
68	HG 6	300	1.94328	1.94329		
67	HG 6	400	1.94862	1.94801		
66	HG 6	600	1.95575	1.95575		
59	HG 6	1800	1.97764	1.97763		
58B	HG 6	2200	1.98018	1.98016		
61	HG 6	1200	1.97023	1.97023		
60	HG 6	1400	1.97315	1.97314		
63	HG 6	1000	1.96747	1.96747		
62	HG 6	1100	1.96890	1.96891		
65	HG 6	800	1.96279	1.96280		
64	HG 6	900	1.96550	1.96553		
53	HG 2	5	1.85114	1.85111		insert not fully seated
54	HG 2	6	1.85113	1.85113		
52	HG 2	10	1.85127	1.85128		
51	HG 2	20	1.85520	1.85521		
49	HG 2	50	1.86325	1.86326		
50	HG 2	30	1.85985	1.85986		insert not fully seated
47B	HG 2	100	1.87712	1.87712		Final Standby Value:
48	HG 2	80	1.86723	1.86723		<u>24 + 5986</u>

Notes: DWR read 1 1.97892
fresh reg read 2 1.97894

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

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-038</u>	Cast/Station Name: <u>Many</u>	Analysis Date (dd mmm yyyy): <u>09 Jul 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5986/5</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>20.5</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
46	HG 2	125	1.90454	1.90452		
47A	HG 2	100	1.87715	1.87718		insert not fully seated
44	HG 2	200	1.93947	1.93947		
45	HG 2	150	1.92120	1.92124		
42	HG 2	400	1.94874	1.94873		
43	HG 2	300	1.94479	1.94482		
40	HG 2	600	1.95700	1.95702		
41	HG 2	500	1.95387	1.95384		
38	HG 2	800	1.96184	1.96184		
39	HG 2	700	1.95882	1.95883		
37	HG 2	900	1.96459	1.96462		
36B	HG 2	1000	1.96667	1.96667		
31	JPS 7	30	1.83735	1.83735		
30	JPS 7	50	1.84989	1.84989		
36A	HG 2	1000	1.96662	1.96665		
35	HG 2	6-5	1.96682	1.96683		
34	JPS 7	0	1.83806	1.83864	1.83803	jumpy 2nd read
33	JPS 7	5	1.83800	1.83798		
32B	JPS 7	20	1.83732	1.83730		
32A	JPS 7	20	1.83740	1.83741		
29	JPS 7	70	1.87442	1.87442		
28	JPS 7	100	1.89044	1.89041		
27	JPS 7	120	1.90192	1.90193		
26	JPS 7	6-5	1.90640	1.90639		
25	JPS 1	0	1.84202	1.84204		Final Standby Value:
24	JPS 1	5	1.84358	1.84358		24 + 5986

Notes: DWP read 1 1.97872
fresh crmp read 2 1.97871
psi: 34.5818 psu

Evt #68
 Frsh-crmp
 P23
 2024-002
 2005 m
 bot 1-2

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2024-038</u>	Cast/Station Name: <u>nan</u>	Analysis Date (dd mmm yyyy): <u>09 July 2024</u>
Autosal Model: <u>8400B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 5986</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 2025</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>22</u> °C Room Temperature: <u>21</u> °C Analyst: <u>CI</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
23	JPS1	20	1.84652	1.84653		
22	JPS1	30	1.84722	1.84723		
17	JPS1	6-9	1.89281	1.89280		
18	JPS1	120	1.89266	1.89265		
19B	JPS1	100	1.88790	1.88790		
19A	JPS1	100	1.88843	1.88844		insert not seated
20	JPS1	70	1.86842	1.86844		
21	JPS1	50	1.85359	1.85358		
5010A	LOOP	-	1.84242	1.84242		chl label...
5001	LOOP	-	1.84516	1.84514		
103	HG1	300	1.94309	1.94310		
104	HG1	200	1.93604	1.93603		
102	HG1	400	1.94661	1.94662		
101	HG1	500	1.95040	1.95041		
100B	HG1	6-5	1.96675	1.96675		
100A	HG1	6-5	1.96676	1.96675		
5035	LOOP	-	1.85344	1.85341		
5031	LOOP	-	1.84654	1.84651	1.84652	
106	HG1	125	1.91377	1.91377		
105	HG1	150	1.92545	1.92548	1.92551	
108	HG1	80	1.88883	1.88881		
107	HG1	100	1.89924	1.89924		
111	HG1	20	1.86116	1.86116		
110	HG1	30	1.86120	1.86120		
109B	HG1	50	1.86970	1.86970		Final Standby Value:
109A	HG1	50	1.86973	1.86974		<u>24 + 5985</u>

Notes: _____

Cruise ID: <u>2024-039</u>		Cast/Station Name: <u>many</u>		Analysis Date (dd mmm yyyy):	
Autosal Model: <u>8400B</u>		Serial Number: <u>73874</u>		<u>09</u> <u>Jul</u> <u>2024</u>	
Initial Standby Value: <u>24 + 5984/5</u>		Ratio After Standardization: _____			
Cell Standardization (Daily)		Standardization Values:		Standard Info.	
Conductivity must be ± 0.00001 compared to Standard	Before: _____		K ₁₅ VALUE: <u>0.999 87</u>		Bath Temperature: <u>24</u> °C
	After: _____		Batch #: <u>P166</u>		Sample Temperature: <u>22</u> °C
	Notes: _____		Batch Date: <u>6 Apr 2025</u>		Room Temperature: <u>22</u> °C
				Analyst: <u>CI</u>	

Notes: _____

read 1 1.97865

read 2 1.97864

DWR

cbay reg

Evt #68

Cboy-reg

P23

2024-00

2005 n

bot 3

99 Sal HG2 2024-038 0 m bot 21	98 Sal HG2 2024-038 5 m bot 20	96 Sal HG2 2024-038 30 m bot 18	95 Sal HG2 2024-038 50 m bot 17	94B Sal HG2 2024-038 80 m bot 16	94A Sal HG2 2024-038 80 m bot 16	93 Sal HG2 2024-038 100 m bot 15	92 Sal HG2 2024-038 125 m bot 14	91 Sal HG2 2024-038 150 m bot 13
90 Sal HG2 2024-038 200 m bot 12	89 Sal HG2 2024-038 300 m bot 11	88 Sal HG2 2024-038 400 m bot 10	87 Sal HG2 2024-038 600 m bot 9	86 Sal HG2 2024-038 800 m bot 8	85 Sal HG2 2024-038 900 m bot 7	84 Sal HG2 2024-038 1000 m bot 6	83B Sal HG2 2024-038 1100 m bot 5	83A Sal HG2 2024-038 1100 m bot 5
82 Sal HG2 2024-038 1200 m bot 4	81 Sal HG2 2024-038 1400 m bot 3	80 Sal HG2 2024-038 1800 m bot 2	79 Sal HG2 2024-038 b-5 m bot 1	5039 Sal LOOP 2024-038 m bot 1	78 Sal HG6 2024-038 0 m bot 24	76 Sal HG6 2024-038 20 m bot 22	75 Sal HG6 2024-038 30 m bot 21	74B Sal HG6 2024-038 50 m bot 20
74A Sal HG6 2024-038 50 m bot 20	73 Sal HG6 2024-038 80 m bot 19	72 Sal HG6 2024-038 100 m bot 18	71 Sal HG6 2024-038 125 m bot 17	70 Sal HG6 2024-038 150 m bot 16	69 Sal HG6 2024-038 200 m bot 15	68 Sal HG6 2024-038 300 m bot 14	67 Sal HG6 2024-038 400 m bot 13	66 Sal HG6 2024-038 600 m bot 12
59 Sal HG6 2024-038 1800 m bot 5	58B Sal HG6 2024-038 2200 m bot 4	61 Sal HG6 2024-038 1200 m bot 7	60 Sal HG6 2024-038 1400 m bot 6	63 Sal HG6 2024-038 1000 m bot 9	62 Sal HG6 2024-038 1100 m bot 8	65 Sal HG6 2024-038 800 m bot 11	64 Sal HG6 2024-038 900 m bot 10	53 Sal HG2 2024-038 5 m bot 19
54 Sal HG2 2024-038 0 m bot 20	52 Sal HG2 2024-038 10 m bot 18	51 Sal HG2 2024-038 20 m bot 17	49 Sal HG2 2024-038 50 m bot 15	50 Sal HG2 2024-038 30 m bot 16	47B Sal HG2 2024-038 100 m bot 13	48 Sal HG2 2024-038 80 m bot 14	46 Sal HG2 2024-038 125 m bot 12	47A Sal HG2 2024-038 100 m bot 13
44 Sal HG2 2024-038 200 m bot 10	45 Sal HG2 2024-038 150 m bot 11	42 Sal HG2 2024-038 400 m bot 8	43 Sal HG2 2024-038 300 m bot 9	40 Sal HG2 2024-038 600 m bot 6	41 Sal HG2 2024-038 500 m bot 7	38 Sal HG2 2024-038 800 m bot 4	39 Sal HG2 2024-038 700 m bot 5	37 Sal HG2 2024-038 900 m bot 3

36B Sal HG2 2024-038 1000 m bot 2	31 Sal JPS7 2024-038 30 m bot 6	30 Sal JPS7 2024-038 50 m bot 5	36A Sal HG2 2024-038 1000 m bot 2	35 Sal HG2 2024-038 b-5 m bot 1	34 Sal JPS7 2024-038 0 m bot 9	33 Sal JPS7 2024-038 5 m bot 8	32B Sal JPS7 2024-038 20 m bot 7	32A Sal JPS7 2024-038 20 m bot 7
29 Sal JPS7 2024-038 70 m bot 4	28 Sal JPS7 2024-038 100 m bot 3	27 Sal JPS7 2024-038 120 m bot 2	26 Sal JPS7 2024-038 b-5 m bot 1	25 Sal JPS1 2024-038 0 m bot 9	24 Sal JPS1 2024-038 5 m bot 8	23 Sal JPS1 2024-038 20 m bot 7	22 Sal JPS1 2024-038 30 m bot 6	17 Sal JPS1 2024-038 b-5 m bot 1
18 Sal JPS1 2024-038 120 m bot 2	19B Sal JPS1 2024-038 100 m bot 3	19A Sal JPS1 2024-038 100 m bot 3	20 Sal JPS1 2024-038 70 m bot 4	21 Sal JPS1 2024-038 50 m bot 5	5010A CHL LOOP 2024-038 m bot 1	5001 Sal LOOP 2024-038 m bot 1	103 Sal HG1 2024-038 300 m bot 4	104 Sal HG1 2024-038 200 m bot 5
102 Sal HG1 2024-038 400 m bot 3	101 Sal HG1 2024-038 500 m bot 2	100B Sal HG1 2024-038 b-5 m bot 1	100A Sal HG1 2024-038 b-5 m bot 1	5035 Sal LOOP 2024-038 m bot 1	5031 Sal LOOP 2024-038 m bot 1	106 Sal HG1 2024-038 125 m bot 7	105 Sal HG1 2024-038 150 m bot 6	108 Sal HG1 2024-038 80 m bot 9
107 Sal HG1 2024-038 100 m bot 8	111 Sal HG1 2024-038 20 m bot 12	110 Sal HG1 2024-038 30 m bot 11	109B Sal HG1 2024-038 50 m bot 10	109A Sal HG1 2024-038 50 m bot 10	5081 Sal LOOP 2024-038 m bot 1	5071 Sal LOOP 2024-038 m bot 1	5053 Sal LOOP 2024-038 m bot 1	113 Sal HG1 2024-038 0 m bot 14
112 Sal HG1 2024-038 5 m bot 13								