

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2021-069</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>12 AUG 2021</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 6015</u>	Ratio After Standardization: <u>24 + 6015/6</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: <u>5.20</u> After: <u>5.20</u> Notes: <u>No change</u>	K ₁₅ VALUE: 0.999 <u>85</u> Batch #: <u>P163</u> Batch Date: <u>10 Apr 2022</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: <u>21.7</u> °C Room Temperature: <u>21.7</u> °C Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
P163	Calibration		1.99976	1.99974		Accepted ratio.
P163	Run as Sample		1.99976	1.99976		Sal: 34.9942 ✓
DWR.	Case 1		1.97823	1.97828		Sal = 34.5713 ✓
555	2021-069 start MT-05		1.85958	1.85958		
545	HECS8		1.59353	1.59345	1.59336	drift.
533	LOOP		1.62624	1.62627		
548	MT05		1.94703	1.94701		
535	HECS8		1.90460	1.90457		
517	CH02		1.91016	1.91017		
539	HECS8		1.84463	1.84471	1.84471	comp. retry @ 2nd reading
595	MT11B		1.86607	1.86601	1.86606	
582	MT11B		1.96416	1.96418		
564	MT08		1.95060	1.95071	1.95072	deleted 3rd read. (high SD)
573	"		1.85475	1.85476		
561	MT05		1.81382	1.81387		
627	QCS3		1.81845	1.81846		
612	LOOP		1.84422	1.84423		
601	MT11B		1.82859	1.82860		
584	MT11B		1.96412	1.96417		
531	CH02		1.16037	1.16039		
614	QCS3		1.91010	1.91010		
579	MT08		1.83297	1.83298		
621	QCS3		1.85220	1.85221		
DWR	Case 1		1.97824	1.97823		Sal: 34.5713 ✓
						Final Standby Value: <u>24 + 6016</u>

Notes: Bubble @ top left of main arm (doesn't appear to affect readings)
Computer retry = Computer almost disconnected from autosal

555
SAL
MT05
2021-069
50 m
bot 9

545
SAL
HECS8
2021-069
0 m
bot 12

SAL
S33
Loop
2021-069

548
SAL
MT05
2021-069
b-5 m
bot 2

535
SAL
HECS8
2021-069
b-5 m
bot 2

517
Sal
CH02
2021-069
b-5 m
bot 2

539
SAL
HECS8
2021-069
50 m
bot 6

595
SAL
MT11B
2021-069
50 m
bot 15

582
SAL
MT11B
2021-069
b-5 m
bot 2

564
SAL
MT08
2021-069
b-5 m
bot 2

573
SAL
MT08
2021-069
50 m
bot 11

561
SAL
MT05
2021-069
0 m
bot 15

627
SAL
QCS3
2021-069
0 m
bot 15

612
SAL
loop
2021-069
m
bot 1

601
SAL
MT11B
2021-069
0 m
bot 21

584
SAL
MT11B
2021-069
b-10 m
bot 4

531
Sal
CH02
2021-069
0 m
bot 16

614
SAL
QCS3
2021-069
b-5 m
bot 2

579
SAL
MT08
2021-069
0 m
bot 17

621
SAL
QCS3
2021-069
50 m
bot 9

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2021-069 cont.</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>12 AUG 2021</u>
Autosal Model: <u>840013</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 +6015</u>	Ratio After Standardization: <u>24 +6015/6</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: <u>5.20</u> After: <u>5.20</u> Notes: <u>No change</u>	K ₁₅ VALUE: 0.999 <u>85</u> Batch #: <u>P163</u> Batch Date: <u>10 Apr 2022</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: _____ °C Room Temperature: <u>21.8</u> °C Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
490	CHAT3	cont-2021-069	1.80317	1.80317		
493	CH11		1.90426	1.90428		computer retry before 2nd read.
493	CHAT3		1.29713	1.29717		
433	CH16		1.15030	1.15031		
489	CHAT3		1.82110	1.82113	1.82112	
464	CH11		1.19069	1.19072		
487	CHAT3		1.85989	1.85992		
475	CH05		1.81605	1.81607		
481	CH05		1.15754	1.15754		
494	CHAT3		1.18438	1.18437		
491	CHAT3.		1.77479	1.77480		
458	CH11		1.82154	1.82153		
488	CHAT3		1.82243	1.82243		
467	CH05		1.90545	1.90544		
486	CHAT3		1.88912	1.88912		
525	CH02		1.84139	1.84141		
483	CHAT3		1.90703	1.90706		
498	PI01		1.91104	1.91104		
514	"		1.04317	1.04312	1.04318	
495	CHAT3		1.17778	1.17781		
508	PI01		1.81518	1.81522		
484	CHAT3		1.90688	1.90691		
492	"		1.73696	1.73697		
DWR	case 1		1.97826	1.97829		S21: 34.5720 ✓
						Final Standby Value: <u>24 +6016</u>

Notes: See notes from pg 1. (same)

490
Sal
CHAT3
2021-069
30 m
bot 8

453
Sal
CH11
2021-069
b-5 m
bot 2

493
Sal
CHAT3
2021-069
5 m
bot 11

433
Sal
CH16
2021-069
0 m
bot 14

489
Sal
CHAT3
2021-069
50 m
bot 7

464
Sal
CH11
2021-069
0 m
bot 13

487
Sal
CHAT3
2021-069
75 m
bot 5

475
Sal
CH05
2021-069
50 m
bot 10

481
Sal
CH05
2021-069
0 m
bot 16

494
Sal
CHAT3
2021-069
0 m
bot 12

491
Sal
CHAT3
2021-069
20 m
bot 9

458
Sal
CH11
2021-069
50 m
bot 7

488
Sal
CHAT3
2021-069
50 m
bot 6

467
Sal
CH05
2021-069
b-5 m
bot 2

486
Sal
CHAT3
2021-069
100 m
bot 4

525
Sal
CH02
2021-069
50 m
bot 10

483
Sal
CHAT3
2021-069
b-5 m
bot 1

498
Sal
PI01
2021-069
b-5 m
bot 2

514
Sal
PI01
2021-069
0 m
bot 18

495
Sal
CHAT3
2021-069
0 m
bot 13

508
Sal
PI01
2021-069
50 m
bot 12

484
Sal
CHAT3
2021-069
b-5 m
bot 2

492
Sal
CHAT3
2021-069
10 m
bot 10

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2021-069 cont.</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>12 AUG 2021</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24+6015</u>	Ratio After Standardization: <u>24+6015/6</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: <u>5.20</u> After: <u>5.20</u> Notes: <u>No change</u>	K ₁₅ VALUE: 0.999 <u>85</u> Batch #: <u>P163</u> Batch Date: <u>10 Apr 2022</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: _____ °C Room Temperature: <u>21.9</u> °C Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
91	Scotts2	cont 2021-069	1.85514	1.85521	1.85526	
7B	CS02		1.97822	1.97823		
37	CI08		1.85540	1.85538		
7A	CS02		1.97837	1.97839		
23	CI08		1.97977	1.97980		
8A	CS02		1.97817	1.97818		
2	A01		1.83399	1.83397		
8B	CS02		1.97823	1.97820		
5	E01	didn't get 4th cap full	1.83067	1.83060	1.83064	computer disconnected.
112	Hak1	1st read	1.77567	1.77562	1.77569	comp. disconnected 3rd: 1.77569.
105	Hak1		1.83469	1.83472		
67	CI04		1.94543	1.94546		
83	Scotts2		1.94840	1.94832	1.94843	comp. disconnected 3rd: 1.94846
74	CI04		1.84669	1.84670		computer retry.
80	CI04		1.80083	1.80091	1.80088	
58	CI06		1.85558	1.85560		
64	CI06		1.83659	1.83663		
46	"		1.96094	1.96094		
121	CI01		1.83397	1.83398		
43	CI08		1.83634	1.83633		
116	CI01		1.94217	1.94217		
100	Hak1		1.93614	1.93613		
114	LOOP		1.82114	1.82115		
97	Scotts2		1.82667	1.82671		Sal: 34.5717 ✓
DWR	Case 1		1.97826	1.97827		Final Standby Value: 24+6016

Notes: See 1st page notes (same).

91
Sal
Scotts2
2021-069
50 m
bot 10

7B
Sal
CS02
2021-069
b-10 m
bot 1

37
SAL
CI08
2021-069
50 m
bot 16

7A
Sal
CS02
2021-069
b-10 m
bot 1

23
SAL
CI08
2021-069
B-5 m
bot 2

8A
Sal
CS02
2021-069
bot 2

2
SAL
A01
2021-069
0 m
bot 2

8B
SAL
CS02
2021-069
B-10 m
bot 2

5
SAL
E01
2021-069
0 m
bot 2

112
Sal
Hak1
2021-069
0 m
bot 14

105
Sal
Hak1
2021-069
50 m
bot 7

67
Sal
CI04
2021-069
b-5 m
bot 2

83
Sal
Scotts2
2021-069
b-5 m
bot 2

74
Sal
CI04
2021-069
50 m
bot 9

80
Sal
CI04
2021-069
0 m
bot 15

58
Sal
CI06
2021-069
50 m
bot 14

64
Sal
CI06
2021-069
0 m
bot 20

46
Sal
CI06
2021-069
b-5 m
bot 2

121
Sal
CI01
2021-069
50 m
bot 7

43
SAL
CI08
2021-069
0 m
bot 22

116
Sal
CI01
2021-069
b-5 m
bot 2

100
Sal
Hak1
2021-069
b-5 m
bot 2

~~108~~
sal.
loop
2021-069
#114

97
Sal
Scotts2
2021-069
0 m
bot 16

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: <u>2021-069 cont.</u>	Cast/Station Name: _____	Analysis Date (dd mmm yyyy): <u>12 AUG 2021</u>
Autosal Model: <u>8400 B</u>	Serial Number: <u>73274</u>	
Initial Standby Value: <u>24 + 6015</u>	Ratio After Standardization: <u>24 + 6015/6</u>	
Cell Standardization (Daily)	Standardization Values:	Standard Info.
Conductivity must be ± 0.00001 compared to Standard	Before: <u>5.20</u> After: <u>5.20</u> Notes: <u>No change</u>	K ₁₅ VALUE: 0.999 <u>85</u> Batch #: <u>P163</u> Batch Date: <u>10 Apr 2022</u>
		Bath Temperature: <u>24</u> °C Sample Temperature: _____ °C Room Temperature: <u>21.9</u> °C Analyst: <u>JW</u>

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
379	B-5	2021-069 cont.	1.81591	1.81590		outer cap not tight.
428	CH16		1.79497	1.79503	1.79501	" " " "
387	CHAT1		1.86157	1.86159		
384			1.20938	1.20939		outer cap not screwed on tight
383			1.77437	1.77442		" " " " " "
412	CH14		1.82204	1.82207		
427	CH16		1.82500	1.82500		outer cap not tight
382			1.78934	1.78932		" " " "
398	CHAT 1		1.11996	1.11998		outer cap not on tight
381			1.79298	1.79293		
392	CHAT 1		1.81596	1.81608	1.81602	
420A	CH16		1.89545	1.89542		outer cap not on tight.
407	CH14		1.87028	1.87028		
385			1.21125	1.21125		
432	CH16		1.15078	1.15084	1.15085	outer cap not on tight.
424	"		1.86823	1.86824		" " " " "
380			1.80955	1.80955		
426	CH16		1.82523	1.82525		outer cap not on tight.
420B	"		1.89514	1.89517		" " " " "
418	CH14		1.52162	1.52161		
425	CH16		1.84845	1.84847		outer cap not screwed on tight
429	"		1.77044	1.77045		" " " " " "
423	"		1.89332	1.89332		" " " " " "
421	"		1.89538	1.89537		" " " " " "
DWR	case 1	Sal: 34.5716	1.97823	1.97825		Final Standby Value: <u>24 + 6016</u>

Notes: <u>See last page.</u>

379
Sal
2021-069
B-5
Bot 1

428
Sal
CH16
2021-069
30 m
bot 9

387
Sal
CHAT1
2021-069
B-5 m
bot 2

394
Sal
2021-069
5m
Bot 6

383
SAL
2021-069
10m
Bot 5

412
Sal
CH14
2021-069
50 m
bot 7

427
Sal
CH16
2021-069
50 m
bot 8

382
SAL
20m
2021-069
Bot 4

398
Sal
CHAT1
2021-069
0 m
bot 13

381
SAL
2021-069
30m
Bot 3

392
Sal
CHAT1
2021-069
50 m
bot 7

420A
Sal
CH16
2021-069
b-5 m
bot 1

407
Sal
CH14
2021-069
b-5 m
bot 2

385
SAL
2021-069
0m
Bot 7

432
Sal
CH16
2021-069
0 m
bot 13

424
Sal
CH16
2021-069
100 m
bot 5

380
SAL
2021-069
50m
Bot 2

426
Sal
CH16
2021-069
50 m
bot 7

420B
Sal
CH16
2021-069
b-5 m
bot 1

418
Sal
CH14
2021-069
0 m
bot 13

425
Sal
CH16
2021-069
75 m
bot 6

429
Sal
CH16
2021-069
20 m
bot 10

423
Sal
CH16
2021-069
150 m
bot 4

421
Sal
CH16
2021-069
b-5 m
bot 2