Water Properties Group Institute of Ocean Sciences, Ocean Sciences Division

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: 2023-069	Cast/Station Name:	Analysis Date (dd | mmm | yyyy): 10 | Aug | 2023
Autosal Model: 8400B	Serial Number: 73274	
Initial Standby Value: 24+5983	Ratio After Standardization:	

Cell Standaridization (Daily)	Standardization Values:	Standard Info.	
Conductivity must be ± 0.00001 compared to Standard →	Before: 1 999 70	K_{15} VALUE: 0.999 86	Bath Temperature: 24 °C
	After:	Batch #: P165	Sample Temperature: 22 °C
	Notes:	Batch Date: 15 April 2024	Room Temperature: 22 °C
			Analyst: CT

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
Std						
270	Dix 2	nisk 15	1.66256	1.66257		lots of stations from 069 don't have depth, only Nisk. #
273	Dix 3	" 2	~~1.94549~~	1.94408	1.94407	
229	HES 8	" 2	1.92881	1.92880		
186	JPS 6	0 m	1.82428	1.82428		
156	JPS 1	50 m	1.85890	1.85894		
176	JPS 6	bot-5m	1.91684	1.91681		
180	JPS 6	50 m	1.85791	1.85799	1.85805	1.85795 → uneven values
257	Dix 2	bot 2	1.94176	1.94178		
233	HES 2	bot 6	1.86902	1.86901		
264	Dix 2	bot 9	1.87019	1.87019		
220	HECS 5	bot 4	1.84476	1.84474		
226	HECS 5	bot 10	1.81384	1.81388		
248	Dix 1	bot 8	1.89179	1.89181		
209	HECS 1	50 m	1.85103	1.85102		
254	Dix 1	bot 14	1.74489	1.74491		
218	HECS 5	bot 2	1.88710	1.88709		
242	Dix 1	bot 2	1.93783	1.93783		
204	HECS 1	bot-5m	~~1.93215~~	1.93222	1.93220	
239	HES 8	bot 12	1.78746	1.78748		
215	HECS 1	0 m	1.80419	1.80417		→ 1.94535
190	SRN 1	b-5m	~~1.94535~~	~~1.94548~~	1.94537	timed out during 1st reading
188	in transit	loop m	~~1.80573~~	1.80577	1.80577	
201	SRN 1	0 m	1.80347	1.80347		
196	SRN 1	50 m	1.85663	1.85664		Final Standby Value:
1	in transit	loop m	~~1.84735~~	1.8440	1.8438	24+5983

Notes: → timeout during 1st reading

Weight adjuster on autosal is sticky

Water Properties Group — Institute of Ocean Sciences, Ocean Sciences Division

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: 2023-069	Cast/Station Name:	Analysis Date (dd | mmm | yyyy): 10 | Aug | 2023
Autosal Model: 8400B	Serial Number: 73274	
Initial Standby Value: 24+5983	Ratio After Standardization:	

Cell Standaridization (Daily)	Standardization Values:	Standard Info.	
Conductivity must be ± 0.00001 compared to Standard	Before: 1.99970	K_{15} VALUE: 0.999 86	Bath Temperature: 24 °C
	After:	Batch #: P165	Sample Temperature: 22 °C
	Notes:	Batch Date: 15 April 2024	Room Temperature: 22 °C
			Analyst: CT

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
48	CS01	b-10m	~~1.97954~~	1.97959	1.97960	3rd reading not captured on PC
17	Quat 1	b-5m	1.92311	1.92310		
120	in transit	loop m	1.81751	1.81752		
71	C104	b-5m	1.94669	1.94670		
22	Quat 1	50m	1.90734	1.90734		
103	MT09	b-5m	1.95065	1.95067		
77	C104	50m	1.88134	1.88134		
112	MT09	50m	1.84686	1.84688		
28	Quat 1	0m	~~1.85087~~	1.85092	1.85092	
83	C104	0m	~~1.82767~~	1.82770	1.82770	
122	JPS4	b-5m	1.91748	1.91750		
151	JPS1	b-5m	1.90543	1.90542		
30	in transit	loop m	1.86007	1.86007		
93	C101	50m	1.86582	1.86584		
161	JPS1	0m	1.83377	~~1.83373~~	1.83379	
85	in transit	loop m	1.82428	1.82431	~~1.82437~~	
130	JPS4	50m	1.85928	1.85932		
32	Scotts 3	b-5m	1.94799	1.94795		
99	C101	0m	1.70733	1.70732		
87	C101	b-5m	1.94350	1.94348		
137	JPS4	0m	1.82247	1.82247		
39	Scotts3	50m	1.87001	1.87002		
45	Scotts 3	0m	1.83225	1.83226		
318	P13	bot 13	1.80523	1.80524		
311	P13	bot 6	1.91298	1.91299		Final Standby Value:
322	P13	bot 17	1.22621	1.22621		24+5983

Notes: height adjuster is sticky

Water Properties Group — Institute of Ocean Sciences, Ocean Sciences Division

AUTOSAL ANALYSIS LOGSHEET

Cruise ID: 2023-069	Cast/Station Name:	Analysis Date (dd | mmm | yyyy): 10 | Aug | 2023
Autosal Model: S40B	Serial Number: 73274	
Initial Standby Value: 24+5983	Ratio After Standardization:	

Cell Standaridization (Daily)	Standardization Values:	Standard Info.	
Conductivity must be ± 0.00001 compared to Standard	Before: 199970	K_{15} VALUE: 0.999 86	Bath Temperature: 24 °C
	After:	Batch #: P165	Sample Temperature: 22 °C
	Notes:	Batch Date: 15 April 2024	Room Temperature: 22 °C
			Analyst: CI

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
325	POS	bot 2	1.91385	1.91390	1.91394	
320	P13	bot 15	1.31619	1.31618		
319	P13	bot 14	1.72820	1.72821		
314	P13	bot 9	1.90149	1.90149		
292	CH03	bot 1	1.91855	1.91855		
329	P05	bot 6	1.85318	1.85315		
316	P13	bot 11	1.84645	1.84648		
315	P13	bot 10	1.87750	~~1.87155~~	1.87752	
391	SC69	bot 2	1.91316	1.91315		
309	P13	bot 4	1.91503	1.91504		
291	Chat 3	bot 3	1.81802	1.81800		
310	P13	bot 5	1.91373	1.91371		
290	Chat 3	bot 2	1.84053	1.84053		
281	DIX 3	bot 10	1.87245	1.87246		
313	P13	bot 8	1.91095	1.91092		
287	DIX 3	bot 16	1.69349	1.69352		
305	intransit	bot 1	1.46557	1.46555		
312	P13	bot 7	1.91222	1.91222		
307	P13	bot 2	~~1.91513~~	1.91519	1.91520	
289	Chat 3	bot 1	1.85477	1.85480		
335	P05	bot 12	~~1.68388~~	1.08384	1.08380	jumpy values
353	WC5	bot 6	1.83453	1.83450		
359	WC5	bot 12	1.41489	1.41490		
372	GC68	bot 1	1.43216	1.43218		
375	GC51	bot 2	1.86521	1.86520		Final Standby Value: 24+5983
339	in transit	bot 1	1.81733	1.81735		

Notes:

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AUTOSAL ANALYSIS LOGSHEET

Cruise ID: 2023-069	Cast/Station Name:	Analysis Date (dd | mmm | yyyy): 10 | Aug | 2023
Autosal Model: 8400B	Serial Number: 73274	
Initial Standby Value: 24+5983	Ratio After Standardization:	

Cell Standaridization (Daily)	Standardization Values:	Standard Info.	
Conductivity must be ± 0.00001 compared to Standard →	Before: 199970	K_{15} VALUE: 0.999 86	Bath Temperature: 24 °C
	After:	Batch #: P165	Sample Temperature: 22 °C
	Notes:	Batch Date: 15 Apr 2024	Room Temperature: 22 °C
			Analyst: CI

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments
440	intransit	loop	1.82720	1.82722		
349	WCS	bot 5	1.84507	1.84509		
408	DOI	bot 2	1.91231	1.91230		
361	intransit	loop	1.56358	1.56361		
338	WC1	bot 2	1.85073	1.85076	1.85072	
423	DOI	bot 17	1.38105	1.38104		
417	DOI	bot 11	1.85600	1.85599		
431	SRC1	bot 7	1.85960	1.85959		
437	SRC1	bot 13	1.82476	1.82475		
340	WC1	bot 4	1.84806	1.84812	1.84808	
346	WC1	bot 10	1.62792	1.62790		
426	SRC1	bot 2	1.93844	1.93845		
373	GC68	bot 1	0.18435	0.18435		So fresh!
						Final Standby Value: 24+5983

Notes: _____

Water Properties Group — Institute of Ocean Sciences, Ocean Sciences Division

PORTASAL ANALYSIS LOGSHEET

Cruise ID: 2023-069	Cast/Station Name:	Analysis Date (dd mmm yyyy):
Portasal Serial Number:	Reference Calibration Values:	
Initial Standby Value:	- + ±	Zero Value:

Cell Standaridization (Daily)	Standardization Values:	Standard Info.	
Conductivity must be ± 0.00001 compared to Standard	Before:	K_{15} VALUE: 0.999	Bath Temperature: °C
	After:	Batch #:	Sample Temperature: °C
	Notes:	Batch Date:	Room Temperature: °C
			Analyst:

Sample	Station Name	Depth/Nisk#	Salinity 1	Salinity 2	Salinity 3	Comments

270 Sal Dix2 2023-069 bot 15

273 Sal DIX3 2023-069 bot 2

229 Sal HES8 2023-069 bot 2

186 Sal JPS6 2023-069 0 m bot 12

156 Sal JPS1 2023-069 50 m bot 7

176 Sal JPS6 2023-069 b-5 m bot 2

180 Sal JPS6 2023-069 50 m bot 6

257 Sal Dix2 2023-069 bot 2

233 Sal HES8 2023-069 bot 6

264 Sal Dix2 2023-069 bot 9

220 Sal HECS5 2023-069 bot 4

226 Sal HECS5 2023-069 bot 10

248 Sal Dix1 2023-069 bot 8

209 Sal HECS1 2023-069 50 m bot 7

254 Sal Dix1 2023-069 bot 14

218 Sal HECS5 2023-069 bot 2

242 Sal Dix1 2023-069 bot 2

204 Sal HECS1 2023-069 b-5 m bot 2

239 Sal HES8 2023-069 bot 12

215 Sal HECS1 2023-069 0 m bot 13

190 Sal SRN1 2023-069 b-5 m bot 2

188 Sal In transit 2023-069 loop m bot 1

201 Sal SRN1 2023-069 0 m bot 13

196 Sal SRN1 2023-069 50 m bot 8

1 Sal In transit to E01 2023-069 loop m bot 1

48 Sal CS01 2023-069 b-10 m bot 2

17 Sal Quat1 2023-069 b-5 m bot 2

120 Sal In transit 2023-069 loop m bot 1

71 Sal CI04 2023-06[illegible] b-5 m bot 2

22 Sal Quat1 2023-069 50 m bot 7

103 Sal MT09 2023-069 b-5 m bot 2

77 Sal CI04 2023-069 50 m bot 8

112 Sal MT09 2023-069 50 m bot 11

28 Sal Quat1 2023-069 0 m bot 13

83 Sal CI04 2023-069 0 m bot 14

122 Sal JPS4 2023-069 b-5 m bot 2

151 Sal JPS1 2023-069 b-5 m bot 2

30 Sal In transit to E01 2023-069 loop m bot 1

93 Sal CI01 2023-069 50 m bot 8

161 Sal JPS1 2023-069 0 m bot 12

85 Sal In transit 2023-069 loop m bot 1

130 SAL JPS4 2023-069 50m BOT 10

32 Sal Scotts3 2023-034 b-5 m bot 2

99 Sal CI01 2023-069 0 m bot 14

87 Sal CI01 2023-069 b-5 m bot 2

137 Sal JPS4 2023-069 0 m bot 17

39 Sal Scotts3 2023-034 50 m bot 9

45 Sal Scotts3 2023-034 0 m bot 15

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Water Properties Group Institute of Ocean Sciences, Ocean Sciences Division

PORTASAL ANALYSIS LOGSHEET

Cruise ID: 2023-069	Cast/Station Name:	Analysis Date (dd mmm yyyy):
Portasal Serial Number:	Reference Calibration Values:	
Initial Standby Value:	- + ±	Zero Value:

Cell Standaridization (Daily)	Standardization Values:	Standard Info.	
Conductivity must be ± 0.00001 compared to Standard	Before:	K_{15} VALUE: *0.999*	Bath Temperature: °C
	After:	Batch #:	Sample Temperature: °C
	Notes:	Batch Date:	Room Temperature: °C
			Analyst:

318 Sal PI3 2023-069 bot 13	311 Sal PI3 2023-069 bot 6	322 Sal PI3 2023-069 bot 17	325 Sal PO5 2023-069 bot 2	320 Sal PI3 2023-069 bot 15	319 Sal PI3 2023-069 bot 14	314 Sal PI3 2023-069 bot 9	292 Sal CH03 2023-069 bot 1	329 Sal PO5 2023-069 bot 6	316 Sal PI3 2023-069 bot 11
315 Sal PI3 2023-069 bot 10	391 Sal SC69 2023-069 bot 2	309 Sal PI3 2023-069 bot 4	291 Sal Chat3 2023-069 bot 3	310 Sal PI3 2023-069 bot 5	290 Sal Chat3 2023-069 bot 2	281 Sal DIX3 2023-069 bot 10	313 Sal PI3 2023-069 bot 8	287 Sal DIX3 2023-069 bot 16	305 Sal In transit 2023-069 bot 1
312 Sal PI3 2023-069 bot 7	307 Sal PI3 2023-069 bot 2	289 Sal Chat3 2023-069 bot 1	335 Sal PO5 2023-069 bot 12	353 Sal WC5 2023-069 bot 6	359 Sal WC5 2023-069 bot 12	372 Sal GC68 2023-069 bot 1	375 Sal GC51 2023-069 bot 2	439 Sal In transit 2023-069 bot 1	440 Sal In transit 2023-069 bot 1
349 Sal WC5 2023-069 bot 2	408 Sal DO1 2023-069 bot 2	361 Sal In transit 2023-069 LOOP bot 1	338 Sal WC1 2023-069 bot 2	423 Sal DO1 2023-069 bot 17	417 Sal DO1 2023-069 bot 11	431 Sal SRC1 2023-069 bot 7	437 Sal SRC1 2023-069 bot 13	340 Sal WC1 2023-069 bot 4	346 Sal WC1 2023-069 bot 10
426 Sal SRC1 2023-069 bot 2	373 Sal GC68 2023-069 bot 2								

Final Standby Value:

Version: 10 March 2008

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