

Chlorophyll Data Sheet

Cruise: 2018-025

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Dates of Cruise: moonings

Time and date acetone added: 29 OCT 11:15

Analyst: Hayleigh

Time and date out of freezer: 30 OCT 9:15

Time analysis started: 10:15

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.287			
STD			HIGH	4-	56.240			
Blank				6-	0.002	8-	0.003	
202A	JPS1	304	20	1-	81.927	2-	43.499	NO DF
210A	JPS7		10	3-	39.529	4-	23.437	
211A	JPS7		10	5-	27.457	6-	16.423	
212A	JPS7		10	7-	18.635	8-	10.839	
206A	JPS1		20	1-	61.848	2-	33.940	
199A	JPS1		10	3-	72.338	4-	39.079	
190A	JPS4		10	5-	55.210	6-	31.149	
188A	JPS4		10	7-	3.879	8-	3.441	← weird sample
135A	HAKI		20	1-	123.005	2-	68.783	
159A	SRC1-B		10	3-	46.182	4-	27.818	
171A	MT-8		10	5-	31.018	6-	18.962	
172A	MT-8		10	7-	31.712	8-	19.002	
174A	MT-8		10	1-	31.591	2-	18.583	
157A	SRC1-B		10	3-	46.623	4-	27.910	
158A	SRC1-A		10	5-	47.010	6-	28.496	
87A	JPS4		10	7-	4.389	8-	3.845	
133A	HAKI		10	1-	136.449	2-	81.923	
131A	HAKI		10	3-	27.322	4-	19.048	
114A	ScotS2		10	5-	46.356	6-	27.931	
116A	ScotS2		10	7-	80.239	8-	46.848	
115A	ScotS2		10	1-	75.797	2-	43.763	
139A	C108		10	3-	24.168	4-	14.036	
137A	C108		10	5-	24.632	6-	14.398	
136A	C108		10	7-	41.683	8-	24.927	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

202 ^A	210 ^A	211 ^A	212 ^A	200 ^A	199 ^A	190 ^A	188 ^A	135 ^A	159 ^A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
JPS1	JPS7	JPS7	JPS7	JPS1	JPS1	JPS4	JPS4	HAKI	SRC1-B
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 11	Bot 7	Bot 8	Bot 9	Bot 9	Bot 8	BOT15	BOT13	Bot 17	Bot 9
171 ^A	172 ^A	174 ^A	157 ^A	158 ^A	'87 ^A	133 ^A	131 ^A	114 ^A	116 ^A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
MT8	MT8	MT8	SRC1-B	SRC1-B	JPS4	HAKI	HAKI	Scotts2	Scotts2
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 12	Bot 13	Bot 15	Bot 7	Bot 8	BOT12	Bot 15	Bot 13	Bot 12	Bot 14
115 ^A	139 ^A	137 ^A	136 ^A						
CHL	CHL	CHL	CHL						
Scotts2	CI08	CI08	CI08						
2018-25	2018-25	2018-25	2018-25						
Bot 13	Bot 21	Bot 19	Bot 18						

Chlorophyll Data Sheet

Cruise: 2018-025

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Dates of Cruise: MOORINGS

Time and date acetone added: 29 OCT 1:40

Analyst: Hayleigh

Time and date out of freezer: 30 OCT 11:40

Time analysis started: 12:40

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.013			
STD			LOW	2-	10.182			
STD			HIGH	4-	55.703			
Blank				6-	-0.001	8-		
225 A	MT05	304	10	1-	116.290	2-	64.505	No DF
239 A	MT01	1	10	3-	73.909	4-	43.204	
238 A	MT01	1	10	5-	77.402	6-	45.326	
237 A	MT01	1	10	7-	36.716	8-	21.955	
227 A	MT05		10	1-	154.917	2-	85.454	
224 A	MT05		10	3-	81.896	4-	48.335	
248 A	HECS4		10	5-	29.347	6-	18.771	
252 A	HECS4		20	7-	215.866	8-	114.577	
249 A	HECS4		10	1-	277.457	2-	150.023	
272 A	HECS8		10	3-	28.954	4-	18.960	
273 A	HECS8		10	5-	81.354	6-	47.286	
313	Chat 1		20	7-	177.214	8-	111.147	
311	Chat 1		10	1-	25.966	2-	17.133	
294 A	Chat 2		10	3-	63.562	4-	36.996	
295 A	Chat 2		10	5-	104.937	6-	58.896	
298 A	Chat 2		10	7-	121.583	8-	70.870	
317 A	Chat 1		10	1-	189.290	2-	105.910	
330	CH 19		10	3-9	37.580	4-	25.110	
331	CH 19		20	5-	191.972	6-	116.646	
334 A	CH 19		10	7-	66.866	8-	40.812	
Roglu	CH 19		10	1-	103.483	2-	61.485	
363	CH 21		10	3-	19.419	4-	13.494	
364	CH 21		10	5-	87.089	6-	52.881	
276 A	HECS8		10	7-	81.640	8-	48.212	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

225 ^A CHL MT05 2018-25 Bot 11	239 ^A CHL MT01 (SRN 2018-25 Bot 11	238 ^A CHL MT01 (SRN 2018-25 Bot 10	237 ^A CHL MT01 (SRN 2018-25 Bot 9	227 ^A CHL MT05 2018-25 Bot 13	224 ^A CHL MT05 2018-25 Bot 10	248 ^A CHL HECS4 2018-25 Bot 7	252 ^A CHL HECS4 2018-25 Bot 11 ^{20ml}	249 ^A CHL HECS4 2018-25 Bot 8	272 ^A CHL HECS8 2018-25 Bot 7
273 ^A CHL HECS8 2018-25 Bot 8	313 ^A CHL Chat1 2018-25 Bot 13 ^{20ml}	311 CHL Chat1 2018-25 Bot 11	294 ^A CHL Chat2 2018-25 Bot 9	295 ^A CHL Chat2 2018-25 Bot 10	298 ^A CHL Chat2 2018-25 Bot 13	317 ^A CHL Chat1 2018-25 Bot 17	330 CHL CH19 2018-25 Bot 5	331 CHL CH19 2018-25 Bot 6 ^{20ml}	334 ^A CHL CH19 2018-25 Bot 9
# Rogue 2018-25 CH19 chl. 7m Bot 11 A	363 CHL CH21 2018-25 Bot 9	364 CHL CH21 2018-25 Bot 10	276 ^A CHL HECS8 2018-25 Bot 11						

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Cruise: 2018-025

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Dates of Cruise: Moorings

Time and date acetone added: 29 OCT 3:55

Analyst: Haykush

Time and date out of freezer: 30 OCT 1:55

Time analysis started: 2:55

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.011			
STD			LOW	2-	10.133			
STD			HIGH	4-	55.357			
Blank				6-		8-		
867A	LSK1	304	10	1-9	36.181	2-	20.167	
878A	L101	45?	10	3-	5.448	4-	3.588	45mL?
878A	L101	169mL	10	5-	18.439	6-	11.816	169mL, Soup?
895A	MT11	304	10	7-	68.070	8-	39.656	
954	SOGN	"	10	1-	7.887	2-	5.895	
925A	C14	"	10	3-	28.856	4-	17.385	
927	C14	"	10	5-	64.374	6-	36.680	
917	MS08	"	10	7-	42.849	8-	24.761	
934	CPE1	"	10	1-	93.297	2-	52.633	
933A	CPE1	"	10	3-	53.060	4-	32.690	
950A	SOGN	"	10	5-	49.366	6-	28.164	
956	SOGN	"	10	7-	30.999	8-	18.955	
894	MT11	"	10	1-	68.861	2-	40.656	
893	MT11	"	10	3-	20.907	4-	12.529	
914	MS08	"	10	5-	46.004	6-	26.783	
915A	MS08	"	10	7-	43.341	8-	25.113	
935	CPE1	"	10	1-	111.770	2-	61.756	
406A	PRHR74	"	10	3-	235.126	4-	135.010	
404	PRHR74	"	10	5-	278.062	6-	158.961	
403	PRHR74	"	10	7-	77.531	8-	43.531	
395A	CH25	"	10	1-	211.936	2-	125.159	
392	CH25	"	10	3-	109.197	4-	72.189	
381	CH25	"	10	5-	58.277	6-	37.402	
367A	CH21	"	20	7-	187.359	8-	112.765	
Stand-by				1-	0.010			
Std	Low			2-	10.188			
Std	High			4-	55.606			
Blank	by			6-	0.002	8-	0.002	

867 ^A	878 ^A	878 ^A CHL part 2 LI01 2018-25 169ml Bot 11	895 ^A	954	925 ^A	927	917	934
CHL	CHL		CHL	CHL	CHL	CHL	CHL	CHL
LSK1	LI01		MT11	SOGN	CI4	CI4	MS08	CPEI
2018-25	2018-25		2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 11	Bot 11		Bot 17	Bot 19	Bot 8	Bot 10	Bot 21	Bot 7
933 ^A	958 ^A	956	894	893	914	915 ^A	935	406 ^A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
CPEI	SOGN	SOGN	MT11	MT11	MS08	MS08	CPEI	PRHR74
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 6	Bot 23	Bot 21	Bot 16	Bot 15	Bot 18	Bot 19	Bot 8	Bot 13
404	403	385 ^A	382	381	367 ^A			
CHL	CHL	CHL	CHL	CHL	CHL			
PRHR74	PRHR74	CH25	CH25	CH25	CH21 20ml			
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25			
Bot 11	Bot 10	Bot 11	Bot 8	Bot 7	Bot 13			

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Cruise: 2018-25

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Dates of Cruise:

Time and date acetone added: 1400 7 Nov 18

Analyst: Tamar

Time and date out of freezer: 1212 8 Nov 18

Time analysis started: 1315 8 Nov 18

20 ml: 367B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.015			
STD			LOW	2-	10.178			
STD			HIGH	4-	55.824			
Blank				6-	0.001	8-	0.000	
877	LIØ1	304	10	1-	14.030	2-	9.094	DF=1
876	"	"	"	3-	14.498	4-	9.043	DF=1
865	LSK1	"	"	5-	16.210	6-	9.700	DF=1
878B	LIØ1	"	"	7-	31.292	8-	18.949	DF=1
878B	LSK1	"	"	1-	34.881	2-	19.352	DF=1
895B	MT11	"	"	3-	67.431	4-	39.523	DF=1
925B	CT4	"	"	5-	30.848	6-	18.444	DF=1
958B	SOGN	"	"	7-	48.798	8-	27.686	DF=1
915B	MSØ8	"	"	1-	41.669	2-	23.981	DF=1
933B	CPE1	"	"	3-	58.191	4-	35.400	DF=1
406B	PRHR74	"	"	5-	235.922	6-	133.424	DF=1
385B	CH25	"	"	7-	138.526	8-	78.933	DF=1
367B	CH21	304	20	1-	178.709	2-	106.560	DF=1
317B	Chat1	304	10	3-	170.043	4-	97.164	DF=1
276B	HECS8	304	10	5-	86.049	6-	50.580	DF=1
Rogue B	CH19 fm	304	10	7-	96.234	8-	54.911	DF=1
384B	CH19	"	"	1-	51.974	2-	30.284	DF=1
298B	Chat2	"	"	3-	121.257	4-	69.121	DF=1
295B	Chat2	"	"	5-	98.313	6-	53.998	DF=1
294B	Chat2	"	"	7-	59.837	8-	33.695	DF=1
273B	HECS8	"	"	1-	82.809	2-	48.311	DF=1
272B	HECS8	"	"	3-	26.859	4-	17.402	DF=1
252B	HECS4	"	"	5-	152.446	6-	80.231	DF=3, 5ml sea + 10ml ace.
249B	HECS4	"	"	7-	300.477	8-	162.650	DF=1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

877	876	865	878 ^B	867 ^B	895 ^B	925 ^B	958 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
LI01	LI01	LSK1	LI01	LSK1	MT11	CI4	SOGN
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 10	Bot 9	Bot 9	Bot 11	Bot 11	Bot 17	Bot 8	Bot 23
915 ^B	933 ^B	406 ^B	385 ^B	367 ^B	317 ^B	276 ^B	† Rogné 2018-25
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CH19
MS08	CPEI	PRHR74	CH25	CH21	Chat1	HECS8	Ch1
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	7m
Bot 19	Bot 6	Bot 13	Bot 11	Bot 13	Bot 17	Bot 11	Bot 11
							B
334 ^B	298 ^B	295 ^B	294 ^B	273 ^B	272 ^B	252 ^B	249 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
CH19	Chat2	Chat2	Chat2	HECS8	HECS8	HECS4	HECS4
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 9	Bot 13	Bot 10	Bot 9	Bot 8	Bot 7	Bot 11	Bot 8

Chlorophyll Data Sheet

Cruise: 2018-25

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Dates of Cruise:

Time and date acetone added: 1415 7 Nov 18

Analyst: Tamara

Time and date out of freezer: 1417 8 Nov 18

Time analysis started: 1512 8 Nov 18

20ml: 200B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.013			
STD			LOW	2-	10.177			
STD			HIGH	4-	55.303			
Blank				6-	0.001	8-	0.002	
202B	JPS1	304	10	1-	150.512	2-	78.921	DF = 1
210B	JPS7	"	"	3-	40.781	4-	24.339	DF = 1
211B	JPS7	"	"	5-	23.196	6-	13.786	DF = 1
212B	JPS7	"	"	7-	19.679	8-	11.194	DF = 1
225B	MT05	"	"	1-	116.506	2-	63.698	DF = 1
248B	HECS4	"	"	3-	31.544	4-	19.915	DF = 1
237B	MT01(SRW)	"	"	5-	36.935	6-	21.871	DF = 1
239B	"	"	"	7-	79.579	8-	44.822	DF = 1
238B	"	"	"	1-	78.467 77.077	2-	43.637	DF = 1 ← edit
224B	MT05	"	"	3-	78.828	4-	45.664	DF = 1
227B	MT05	"	"	5-	150.842	6-	80.670	DF = 1
200B	JPS1	"	20	7-	76.894	8-	41.269	DF = 1
190B	JPS4	"	10	1-	56.609	2-	31.593	DF = 1
199B	JPS1	"	10	3-	62.595	4-	34.538	DF = 1
188B	JPS4	"	10	5-	3.691	6-	3.180	DF = 1
187B	JPS4	"	10	7-	3.998	8-	3.500	DF = 1
135B	HAK1	"	"	1-	222.939	2-	123.900	DF = 1
133B	HAK1	"	"	3-	139.718	4-	81.661	DF = 1
158B	SRC1-B	"	"	5-	49.588	6-	30.009	DF = 1
174B	MT8	"	"	7-	31.987	8-	18.834	DF = 1
172B	MT8	"	"	1-	31.858	2-	18.913	DF = 1
171B	MT8	"	"	3-	31.794	4-	18.820	DF = 1
159B	SRC1-B	"	"	5-	45.813	6-	27.400	DF = 1
157B	SRC1-B	"	"	7-	43.385	8-	25.831	DF = 1
Stand-by				1-	0.012			
Std	Low			2-	10.171			
Std	High			4-	55.608			
Blank	by			6-	0.004	8-	0.004	

202 ^B	210 ^B	211 ^B	212 ^B	225 ^B	248 ^B	237 ^B	239 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
JPS1	JPS7	JPS7	JPS7	MT05	HECS4	MT01 (SRN)	MT01 (SRN)
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 11	Bot 7	Bot 8	Bot 9	Bot 11	Bot 7	Bot 9	Bot 11

238 ^B	224 ^B	227 ^B	200 ^B	190 ^B	199 ^B	188 ^B	187 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
MT01 (SRN)	MT05	MT05	JPS1	JPS4	JPS1	JPS4	JPS4
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 10	Bot 10	Bot 13	Bot 9	Bot 15	Bot 8	Bot 13	Bot 12

135 ^B	133 ^B	158 ^B	174 ^B	172 ^B	171 ^B	159 ^B	157 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
HAKI	HAKI	SRC1-B	MT8	MT8	MT8	SRC1-B	SRC1-B
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 17	Bot 15	Bot 8	Bot 15	Bot 13	Bot 12	Bot 9	Bot 7

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Cruise: 2018-25

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Dates of Cruise:

Time and date acetone added: 1226 8Nov18

Analyst: Tamara
(may read)

Time and date out of freezer: 10:26 9NOV18

Time analysis started: 11:26

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.016			DF
STD			LOW	2-	10.197			
STD			HIGH	4-	55.851			
Blank				6-	0.002	8-	0.002	
841 B	JPN3	304	10	1-	105.186	2-	54.913	1
830 B	JPS4	304	10	3-	19.795	4-	13.408	1
816 B	DIX2	304	10	5-	53.222	6-	30.403	1
832	JPS4	304	10	7-	20.585	8-	12.645	1
801	DIX3	304	10	1-	145.115	2-	79.133	1
787	CH3	304	10	3-EDIT	39.503	4-	23.219	1
798A	DIX3	304	10	5-	37.341	6-	23.191	1
814	DIX2	304	10	7-	51.557	8-	29.735	1
853 B	JPC1	304	10	1-	12.915	2-EDIT	8.270	1
854	JPC1	304	10	3-	14.802	4-	8.785	1
831	JPS4	304	10	5-	37.607	6-	23.985	1
813	DIX2	304	10	7-	40.996	8-	25.022	1
799	DIX3	304	10	1-	117.452	2-	64.619	1
840	JPN3	304	10	3-EDIT	68.054	4-	36.528	1
843	JPN3	304	10	5-	125.491	6-	65.344	1
856	JPC1	304	10	7-	30.675	8-	18.150	1
864	LSK1	304	10	1-	10.985	2-	6.792	1
136 B	C108	304	10	3-	40.732	4-	24.345	1
137 B	C108	304	10	5-	24.625	6-	14.192	1
139 B	C108	304	10	7-	24.021	8-	14.539	1
115 B	ScotB2	304	10	1-EDIT	80.087	2-	45.982	1
114 B	ScotB2	304	10	3-	47.919	4-	29.082	1
116 B	ScotB2	304	10	5-	75.393	6-	43.315	1
131 B	HAK1	304	10	7-	27.592	8-	19.121	1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

♡

841

CHL

JPN3

2018-25

Bot 9

♡

830

CHL

JPS4

2018-25

Bot 10

B

816

CHL

DIX2

2018-25

Bot 13

832

CHL

JPS4

2018-25

Bot 12

801

CHL

DIX3

2018-25

Bot 13

787

CHL

CH3

2018-25

Bot 17

A

798

CHL

DIX3

2018-25

Bot 10

814

CHL

DIX2

2018-25

Bot 11

B

853

CHL

JPC1

2018-25

Bot 10

854

CHL

JPC1

2018-25

Bot 11

831

CHL

JPS4

2018-25

Bot 11

813

CHL

DIX2

2018-25

Bot 10

799

CHL

DIX3

2018-25

Bot 11

840

CHL

JPN3

2018-25

Bot 8

843

CHL

JPN3

2018-25

Bot 11

856

CHL

JPC1

2018-25

Bot 13

864

CHL

LSK1

2018-25

Bot 8

136

CHL

CI08

2018-25

Bot 18

B

137

CHL

CI08

2018-25

Bot 19

B

139

CHL

CI08

2018-25

Bot 21

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115

CHL

Scotts2

2018-25

Bot 13

B

114

CHL

Scotts2

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Bot 12

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CHL

Scotts2

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Bot 14

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CHL

HAKE

2018-25

Bot 13

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Cruise: 2018-25

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Dates of Cruise:

Time and date acetone added: 1433 8 Nov 18

Time and date out of freezer: 12:33 9 Nov 2018

Time analysis started: 13:33

Analyst: Tamara (Hay read)

20 ml 769B, 766, 742A, 742B, 741A
727A, HA14, 709B, 1678A, 647B, 726
718A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			DF
STD			LOW	2-	10.132			
STD			HIGH	4-	55.596			
Blank				6-	0.000	8-	0.000	
784 B	CH3	304	10	1-	38.679	2-EDIT	24.363	1
783	CH3	304	10	3-	22.895	4-	15.542	1
769 B	Pearse 6	304	20	5-	262.455	6-	140.102	1
766	Pearse 6	304	20	7-	53.894	8-	32.721	1
752	Pearse 1	304	10	1-	130.751	2-	77.273	1
755 A	Pearse 1	304	10	3-	232.110	4-	127.346	1
751	Pearse 1	304	10	5-	55.002	6-	35.324	1
742 A	OI 20	304	20	7-	175.339	8-EDIT	97.157	1
742 B	OI 20	304	20	1-	177.902	2-	97.437	1
725	HAW14	304	10	3-	15.027	4-	10.162	1
741 A	OI 20	304	20	5-	140.178	6-	77.237	1
727 A	HAW14	304	20	7-	222.671	8-	116.407	1
765	Pearse 6	304	10	1-	94.034	2-	57.328	1
718 A	HA14	304	20	3-	148.647	4-	78.170	3X Vortex checked filter-bottles
716 B	HA14	304	10	5-	19.938	6-	12.686	1
740 B	OI 20	304	10	7-	36.323	8-	21.956	1
715 A	HA14	304	10	1-	14.176	2-	9.360	1
709 B	AA8	304	20	3-	117.744	4-	63.259	1
707	AA8	304	10	5-	112.964	6-	61.153	1
678 A	PORT4	304	20	7-	233.982	8-	122.869	1
676	PORT4	304	10	1-	81.879	2-	45.469	1
647 B	CH1	304	20	3-	221.294	4-	118.609	1
706	AA8	304	10	5-	45.447	6-	23.413	1
726	HAW14	304	20	7-	189.454	8-	97.241	1
Stand-by				1-	0.014			
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

^B 784	783	^B 769	766	752	^A 755	751	^A 742	^B 742	725
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
CH3	CH3	PEARSE6	PEARSE6	PEARSE1	PEARSE1	PEARSE1	0I20	0I20	HAW14
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 14	Bot 13	Bot 13	Bot 10	Bot 10	Bot 13	Bot 9	Bot 15	Bot 15	Bot 7
		20mL	20mL				20mL	20mL	

^A 741	727 ^A	765	719 ^{718 A}	717 ^{716 B}	740 ^B	716 ^{715 A}	709 ^B	707	678 ^A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
0I20	HAW14	PEARSE6	HA14	HA14	0I20	HA14	AA8	AA8	PORT4
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 14	Bot 9	Bot 9	Bot 9	Bot 7	Bot 13	Bot 6	Bot 10	Bot 8	Bot 15
20mL	20mL		20mL				20mL		20mL

^B 676	647 ^B	706	726
CHL	CHL	CHL	CHL
PORT4	CH1	AA8	HAW14
2018-25	2018-25	2018-25	2018-25
Bot 13	Bot 17	Bot 7	Bot 8
	20mL		20mL

Chlorophyll Data Sheet

Cruise: 2018- 25

Page: 1 of 2

Dates of Cruise:

Time and date acetone added: 15 Nov 18 13:06

Analyst: Tamara

Time and date out of freezer: 16 Nov 18 1145

20 ml: 571, 549A, 489

Time analysis started: 16 Nov 18 1250

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.294			
STD			HIGH	4-	56.031			
Blank				6-	0.002	8-	0.001	
421	CH27	304	10	1-	42.075	2-	30.634	no DF
423B	CH27		"	3-	110.985	4-	67.918	no DF
488	CH8		"	5-	35.053	6-	24.528	no DF
625	CH2		"	7-	11.362	8-	7.902	no DF
570	CH14		"	1-	107.596	2-	63.029	no DF
489	CH8	20	3-	294.404	4-	167.619	no DF	
491B	CH8	10	5-	62.273	6-	34.847	no DF	
519B	CH11	10	7-	15.388	8-	11.044	no DF	
551A	CH16	10	1-	77.767	2-	44.281	no DF	
520B	CH11	10	3-	156.875	4-	88.288	no DF	
522B	CH11	10	5-	48.355	6-	27.861	no DF	
532B	CH12	10	7-	13.024	8-	9.681	no DF	
535A	CH12	10	1-	76.082	2-	41.370	no DF	
644	CH1	10	3-	19.929	4-	13.284	no DF	
548B	CH16	10	5-	146.310	6-	81.277	no DF	
549A	CH16	20	7-	134.827	8-	79.329	DF=3. (5ml	10ml
573B	CH14	10	1-	104.431	2-	61.865	no DF	acc)
608B	CH5	10	3-	17.684	4-	12.851	no DF	
609A	CH5	10	5-	84.851	6-	47.509	no DF	
611A	CH5	10	7-	46.498	8-	25.579	no DF	
626	CH2	10	1-	42.391	2-	26.042	no DF	
628B	CH2	10	3-	72.175	4-	40.388	no DF	
571	CH14	20	5-	113.738	6-	66.812	no DF	
645	CH1	10	7-	55.330	8-	34.000	no DF	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

421	423 ^B	488	625	570	489	491 ^B	519 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
CH27	CH27	CH8	CH2	CH14	CH8	CH8	CH11
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 6	Bot 8	Bot 8	Bot 12	Bot 8	Bot 9	Bot 11	Bot 6

551 ^A	520 ^B	522 ^B	532 ^B	535 ^A	644	548 ^B	549 ^A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
CH16	CH11	CH11	CH12	CH12	CH1	CH16	CH16
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 7	Bot 7	Bot 9	Bot 8	Bot 11	Bot 14	Bot 4	Bot 5

573 ^B	608 ^B	609 ^A	611 ^A	626	628 ^B	571	645
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
CH14	CH5	CH5	CH5	CH2	CH2	CH14	CH1
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 11	Bot 8	Bot 9	Bot 11	Bot 13	Bot 15	Bot 9	Bot 15

Chlorophyll Data Sheet

Cruise: 2018-25

Page: 2A of 2 B

Dates of Cruise:

Time and date acetone added: 15 Nov 18 16:11

Analyst: Tamara

Time and date out of freezer: 16 Nov 18 1350

Time analysis started: 16 Nov 18 1450

20ml: 727B, 718B, 709A, 647A
549B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.040			
STD			HIGH	4-	55.203			
Blank				6-	-0.000	8-	0.002	
853A	JRC1	304	10	1-	10.636	2-	6.312	no DF
841A	JPN3		4	3-	109.437	4-	56.421	no DF
830A	JPS4		"	5-	20.983	6-	13.753	no DF
816A	DIX2		"	7-	50.395	8-	28.852	no DF
798B	DIX3		"	1-	35.513	2-	21.968	no DF
784A	CH3		"	3-	42.200	4-	25.904	no DF
769A	PEARSE6		"	5-	187.929	6-	100.003	DF=3 5ml sa + 10ml ace
755B	PEARSE1		"	7-	207.714	8-	115.119	no DF
741B	OT20		"	1-	289.776	2-	156.151	no DF
740A	OT20		"	3-	29.889	4-	18.550	no DF
727B	HAW14	20	5-	5-	229.462	6-	120.599	no DF
718B	HA14	20	7-	7-	140.350	8-	73.170	DF=3 5ml sa + 10ml acetone
716A	HA14	10	1-	1-	19.845	2-	12.824	no DF
715B	HA14	10	3-	3-	11.047	4-	7.454	no DF
709A	AA8	20	5-	5-	155.720	6-	82.247	no DF
678B	PORT4	10	7-	7-	155.073	8-	81.225	DF=3 5ml sa + 10ml acetone
675A	PORT4	10	1-	1-	34.548	2-	21.555	no DF
647A	CH1	20	3-	3-	216.377	4-	115.246	no DF
628A	CH2	10	5-	5-	76.298	6-	42.672	no DF
611B	CH5	10	7-	7-	50.340	8-	28.115	no DF
533A	CH12	10	1-	1-	69.936	2-	43.961	no DF
532A	CH12	10	3-	3-	13.590	4-	9.655	no DF
522A	CH11	10	5-	5-	44.993	6-	22.980 25.400	no DF
533B	CH12	10	7-	7-	64.799	8-	40.431	no DF
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

See page 2B

853 ^A	841 ^A	830 ^A	816 ^A	798 ^B	784 ^A	769 ^A	755 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
JPC1	JPN3	JPS4	DIX2	DIX3	CH3	PEARSE6	PEARSE1
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 10	Bot 9	Bot 10	Bot 13	Bot 10	Bot 14	Bot 13	Bot 13

741 ^B	740 ^A	727 ^B	718 ^B 719	716 ^A 717	715 ^B 716	709 ^A	678 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
0I20	0I20	HAW14	HA14	HA14	HA14	AA8	PORT4
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 14	Bot 13	Bot 9	Bot 9	Bot 7	Bot 6	Bot 10	Bot 15

675 ^A	647 ^A	628 ^A	611 ^B	533 ^A	532 ^A	522 ^A	533 ^B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
PORT4	CH1	CH2	CH5	CH12	CH12	CH11	CH12
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 12	Bot 17	Bot 15	Bot 11	Bot 9	Bot 8	Bot 9	Bot 9

Chlorophyll Data Sheet

Cruise: 2018-25

Page: 2B of 2B

Dates of Cruise:

Time and date acetone added: 15 Nov 18 16:11

Analyst: Tamara

Time and date out of freezer: 16 Nov 18 1350

Time analysis started: 16 Nov 18 1450

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-				
STD			LOW	2-				
STD			HIGH	4-				
Blank				6-		8-		
548A	CH16	304	10	1-	161.389	2-	90.935	no DF
549B	CH16		20	3-	116.805	4-	73.422	DF=3 10ml ^{90%} ac. + 5ml SA
551B	CH16		10	5-	79.482	6-	45.025	no DF
573A	CH14		10	7-	119.033	8-	75.079	no DF
608A	CH5		10	1-	15.257	2-	10.706	no DF
609B	CH5		10	3-	82.680	4-	46.837	no DF
520A	CH11		10	5-	156.033	6-	92.250	no DF
579A	CH11		10	7-	13.844	8-	10.084	no DF
491A	CH8		10	1-	63.128	2-	35.177	no DF
423A	CH27		10	3-	112.902	4-	70.908	no DF
420	CH27		10	5-	28.932	6-	20.380	no DF
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Stand-by				1-	0.014			
Std	Low			2-	10.137			
Std	High			4-	55.396			
Blank	by			6-	0.023	8-	0.022	new box of cuvettes

548 ^A	549 ^B	551 ^B	573 ^A	608 ^A	609 ^B	520 ^A
CHL	CHL	CHL	CHL	CHL	CHL	CHL
CH16	CH16	CH16	CH14	CH5	CH5	CH11
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 4	Bot 5	Bot 7	Bot 11	Bot 8	Bot 9	Bot 7

519 ^A	491 ^A	423 ^A	420
CHL	CHL	CHL	CHL
CH11	CH8	CH27	CH27
2018-25	2018-25	2018-25	2018-25
Bot 6	Bot 11	Bot 8	Bot 5