

Chlorophyll Data Sheet

Cruise: 2018-30

Page: 1 of 6

Dates of Cruise:

Time and date acetone added: 10:15 JUNE 21

Analyst: Hayleigh

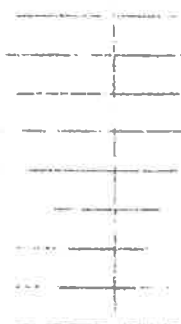
Time and date out of freezer: 8:15 JUNE 22

Time analysis started: 9:05

37A
74
76
86

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	10.904			
STD			HIGH	4-	59.663			
Blank				6-	0.027	8-	0.024	
7A	SI		10	1-	29.270	2-9	15.948	*
7b	SI		10	3-	16.001	4-	10.486	
9	SI		10	5-	248.058	6-	126.695	PARTICULARS
21	59		10	7-	194.265	8-	101.563	
20A	59		10	1-	170.201	2-	90.102	
23	59		10	3-	179.427	4-	94.516	
24 34	102		10	5-	19.534	6-	13.122	
35	102		10	7-	55.808	8-	31.905	
37 A	102		20	1-	220.660	2-	114.206	3X DF High
48	75		10	3-	16.586	4-	11.488	0
49	75		10	5-	214.646	6-	112.519	
51A	75		16	7-	179.898	8-	93.281	3X DF
61	72		10	1-	30.480	2-	18.385	
62A	72		10	3-	164.504	4-	86.758	
64	72		10	5-	274.738	6-	141.407	3X DF PARTICULARS
73A	69		10	7-	267.612	8-	136.685	
74	69		20	1-	198.262	2-	102.799	
76	69		20	3-	148.103	4-	76.431	3X DF
83A	ADCP		10	5-	48.003	6-	29.112	
84	ADCP		10	7-	94.955	8-	52.812	
86	ADCP		20	1-	187.140	2-		3X DF *12520
93	65		10	3-	118.303	4-	65.077	
94A	65		10	5-	143.582	6-	77.905	
96	65		10	7-	238.171	8-	124.695	
Stand-by				1-	0.006			
Std	Low			2-	10.839			
Std	High			4-	58.902			
Blank	by			6-	0.037	8-	0.038	

7A	6	9	21	20A	23	34	35	37A	48
CHL	CHL	CHL	CHLa	CHLa	CHLa	CHL	CHL	CHL	CHL
Stn SI	Stn SI	Stn SI	Stn 59	Stn 59	Stn 59	Stn 102	Stn 102	Stn 102	Stn 75
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 7	Bot 6	Bot 9	Bot 12	Bot 11	Bot 14	Bot 11	Bot 12	Bot 14	Bot 11
49	51A	61	62A	64	73A	74	76	83A	84
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 75	Stn 75	Stn 72	Stn 72	Stn 72	Stn 69	Stn 69	Stn 69	Stn ADCP	Stn ADCP
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 12	Bot 14	Bot 10	Bot 11	Bot 13	Bot 9	Bot 10	Bot 12	Bot 7	Bot 8
86	93	94A	96						
CHL	CHL	CHL	CHL						
Stn ADCP	Stn 65	Stn 65	Stn 65						
2018-30	2018-30	2018-30	2018-30						
Bot 10	Bot 7	Bot 8	Bot 10						



Chlorophyll Data Sheet

Cruise: 2018-30

Page: 2 of 6

Dates of Cruise:

Time and date acetone added: 12:50 21 JUNE 2018 Analyst: Hayleigh

Time and date out of freezer: 10:50 22 JUNE 2018

Time analysis started: 11:50

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.003			
STD			LOW	2-	10.843			
STD			HIGH	4-	58.909			
Blank				6-	0.015	8-	0.015	
97	63		10	1-9	60.943	2-	36.932	*edit
98A	63		10	3-	126.237	4-	70.004	
99	63		10	5-	185.160	6-	95.645	3XDF
107A	62		10	7-	97.071	8-	52.939	
108	62		10	1-	247.548	2-	129.599	
110	62		10	3-	202.410	4-	104.444	3XDF
121A	56		10	5-	13.754	6-	9.815	
122	56		10	7-	45.694	8-	26.394	
124	56		10	1-	60.694	2-	34.148	
133	46		10	3-	22.010	4-	14.039	
134	46		10	5-	26.052	6-	16.793	
136A	46		10	7-	54.292	8-	32.926	
149	42		10	1-	24.238	2-	15.293	
150A	42		10	3-	23.171	4-	15.328	
152	42		10	5-	43.415	6-	25.814	
166	39		10	7-	24.871	8-	16.598	
167A	39		10	1-	38.490	2-	23.540	
168	39		10	3-	57.449	4-	34.893	-table note says 5m
186	GE01		10	5-	19.585	6-	13.305	
187	GE01		10	7-	50.868	8-	31.284	
188A	GE01		10	1-	51.734	2-	31.884	
182	27		10	3-	23.066	4-	14.077	
183A	27		10	5-	36.415	6-	22.246	
185	27		10	7-	61.296	8-	37.813	
Stand-by				1-	0.004			
Std	Low			2-	10.781			
Std	High			4-	58.631			
Blank	by			6-	0.023	8-	0.023	

97	98A	99	107A	108	110	121A	122	124	133
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 63	Stn 63	Stn 63	Stn 62	Stn 62	Stn 62	Stn 56	Stn 56	Stn 56	Stn 46
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 1	Bot 2	Bot 3	Bot 8	Bot 9	Bot 11	Bot 11	Bot 12	Bot 14	Bot 9

134	136A	149	150A	152	166	167A	168	186	187
CHL	CHL	CHL	CHL	CHL	CHL	CHL	5m CHL	CHL	CHL
Stn 46	Stn 46	Stn 42	Stn 42	Stn 42	Stn 39	Stn 39	Stn 39	Stn GE01	Stn GE01
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 10	Bot 12	Bot 13	Bot 14	Bot 16	Bot 14	Bot 15	Bot 16	Bot 1	Bot 2

188A	182	183A	185
CHL	CHL	CHL	CHL
Stn GE01	Stn 27	Stn 27	Stn 27
2018-30	2018-30	2018-30	2018-30
Bot 3	Bot 13	Bot 14	Bot 16

Chlorophyll Data Sheet

Cruise: 2018-30

Page: 3 of 6

Dates of Cruise:

Time and date acetone added: 15:20 21 JUNE

Analyst: Hayleigh

Time and date out of freezer: 13:10 22 JUNE

Time analysis started: 14:10

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.004			
STD			LOW	2-	10.854			
STD			HIGH	4-	58.763			
Blank				6-	0.033	8-	0.032	
198	2		10	1-	42.244	2-	26.284	
200	2		10	3-	69.118	4-	41.284	
213	3		10	5-	19.902	6-	13.541	
214A	3		10	7-	53.219	8-	31.802	
216	3		10	1-	59.541	2-	35.586	
227	6		10	3-	54.821	4-	32.247	
226	6		10	5-	31.622	6-	19.760	
229A	6		10	7-	51.965	8-	29.776	
2239	9		10	1-	38.515	2-	23.225	
240	9		10	3-	34.048	4-	20.581	
241A	9		10	5-	29.034	6-	17.806	
254	12		10	7-	24.499	8-	14.768	
255A	12		10	1-	54.663	2-	32.306	
257A	12		10	3-	48.109	4-	28.872	
270	14		10	5-	25.037	6-	15.793	
271	14		10	7-	43.031	8-	25.368	
273	14		10	1-	56.182	2-	32.682	
282	16		10	3-	22.646	4-	14.698	
284	16		10	5-	77.290	6-	43.474	
281A	16		10	7-	17.339	8-	11.859	
285	QU39		10	1-	10.787	2-	7.648	* Take 2nd 1 st read.
286A	QU39		10	3-	25.892	4-	16.851	
287	QU39		10	5-	83.692	6-	46.094	
289A	22		10	7-	41.947	8-	25.041	
Stand-by				1-	0.005			
Std	Low			2-	10.838			
Std	High			4-	58.742			
Blank	by			6-	0.041	8-	0.039	

198	200	213	214A	216	227	226	229A	239	240
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 2	Stn 2	Stn 3	Stn 3	Stn 3	Stn 6	Stn 6	Stn 6	Stn 9	Stn 9
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 13	Bot 15	Bot 13	Bot 14	Bot 16	Bot 11	Bot 10	Bot 13	Bot 10	Bot 11

241A

242A	254	255A	257A	270	271A	273	282	284	281A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 9	Stn 12	Stn 12	Stn 12	Stn 14	Stn 14	Stn 14	Stn 16	Stn 16	Stn 16
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 12	Bot 13	Bot 14	Bot 16	Bot 12	Bot 13	Bot 15	Bot 9	Bot 11	Bot 8

285	286A	287	289A
CHL	CHL	CHL	CHL
Stn QU39	Stn QU39	Stn QU39	Stn 22
2018-30	2018-30	2018-30	2018-30
Bot 1	Bot 2	Bot 3	Bot 2

Chlorophyll Data Sheet

Cruise: 2018-30

Page: 4 of 6

Dates of Cruise: June 11-16

Time and date acetone added: 9:40 25 JUNE

Analyst: Hayleigh

Time and date out of freezer: 7:50 26 JUNE

Time analysis started: 8:50

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.005			
STD			LOW	2-	10.835			
STD			HIGH	4-	59.209			
Blank				6-	0.030 8-9	0.031		*Take reading?
291	22	304	10	1-	74.161	2-	40.083	
288	22		10	3-	24.088	4-	14.496	
290	22		10	5-	111.941	6-	62.399	PARTICLES.
7B	31		10	7-	29.942	8-	17.089	
20B	59		10	1-	165.541	2-	87.414	
37B	102		20	3-	228.125	4-	117.379	3XDF
51B	75		20	5-	267.498	6-	138.413	
62B	72		10	7-	142.672	8-	75.760	
73B	69		20	1-	143.562	2-	75.095	
83B	ADCP		10	3-	38.691	4-	24.291	
94B	65		10	5-	153.361	6-	82.579	
98B	63		10	7-	133.882	8-	74.448	
107B	62		10	1-	108.633	2-	59.393	
				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-	0.007			
Std	Low			2-	10.768			
Std	High			4-	58.168			
Blank	by			6-	0.028	8-	0.029	

291	288	290	7B	20B	37B	51B	62B	73B	83B
Chl-a	CHL	CHL	CHL	CHLa	CHL	CHL	CHL	CHL	CHL
Stn 22	Stn 22	Stn 22	Stn SI	Stn 59	Stn 102	Stn 75	Stn 72	Stn 69	Stn ADCP
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 4	Bot 1	Bot 3	Bot 7	Bot 11	Bot 14	Bot 14	Bot 11	Bot 9	Bot 7

94B	98B	107B
CHL	CHL	CHL
Stn 65	Stn 63	Stn 62
2018-30	2018-30	2018-30
Bot 8	Bot 2	Bot 8



Chlorophyll Data Sheet

Cruise: 2018-35

Page: 5 of 6

Dates of Cruise:

Time and date acetone added: 11:37 25 JUNE

Analyst: Hayleigh

Time and date out of freezer: 9:40 26 JUNE

Time analysis started: 10:40

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.005			
STD			LOW	2-	10.633			
STD			HIGH	4-	58.382			
Blank				6-	0.024	8-	0.021	
229B	6		10	1-	53.693	2-	31.346	
121B	56		10	3-	27.548	4-	16.718	
136B	46		10	5-	55.331	6-	33.344	
167B	39		10	7-	43.854	8-	26.217	
188B	GE01		10	1-	51.006	2-	31.300	
183B	27		10	3-	40.859	4-	25.004	
197B	2		10	5-	25.317	6-	17.041	
241B	9		10	7-	26.347	8-9	16.834	*Take 2nd read.
214B	3		10	1-	51.550	2-	31.489	
255B	12		10	3-	63.997	4-	36.929	
281B	16		10	5-	21.065	6-	13.192	
271B	14		10	7-	43.673	8-	25.492	
289B	22		10	1-	44.008	2-	25.916	
286B	QU39		10	3-	24.970	4-	17.530	
				5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Stand-by				1-	0.005			
Std	Low			2-	10.732			
Std	High			4-	58.083			
Blank	by			6-	0.037	8-	0.033	

229B	121B	136B	167B	188B	183B	197B	241B	214B	255B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	242B CHL	CHL	CHL
Stn 6	Stn 56	Stn 46	Stn 39	Stn GE01	Stn 27	Stn 2	Stn 9	Stn 3	Stn 12
2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30	2018-30
Bot 13	Bot 11	Bot 12	Bot 15	Bot 3	Bot 14	Bot 12	Bot 12	Bot 14	Bot 14

281B	271B	289B	286B
CHL	CHL	CHL	CHL
Stn 16	Stn 14	Stn 22	Stn QU39
2018-30	2018-30	2018-30	2018-30
Bot 8	Bot 13	Bot 2	Bot 2

Chlorophyll Data Sheet

Cruise: 2018-30

Page: 6 of 6

Date acetone added: 26 June

Time acetone added: 10:10

Date of analysis: 27 June

Analyst: Hayleyh.

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	10.915			
			HIGH	4-	59.289			
Blank				6-	0.028		0.026	
1508	42		10	1-	26.266	2-	16.912	Bot 14.
				3-		4-		
				5-		6-		
				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-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Blank				3-	0.025			
Std	Low			5-	10.791			
Std	High			7-	58.791			
Stand-	by			8-	0.040	0.040		

- This sample was missed in extraction so Filter sat at room temp for extra ~1 1/2 hr.

150B

CHL

Stn 42

2018-30

Bot 14