

Chlorophyll Data Sheet

Cruise: 2018-032

Page: 1 of 5

Dates of Cruise: Chandler Nov 21-26

Time and date acetone added: Dec 06 10:49

Analyst: Hayleigh

Time and date out of freezer: Dec 07 08:49

Time analysis started: 09:46

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.018			high
STD			LOW	2-	10.365			
STD			HIGH	4-	56.842			
Blank				6-	0.024	8-	0.023	DF
21	59	304	10	1-	26.715	2-	18.027	low ratio
37	102	304		3-	163.875	4-	87.395	
106A	63	304		5-	20.255	6-	13.416	
179A	42	304		7-	18.149	8-	12.410	
217	2	304		1-	16.967	2-	10.532	
222A	CPF1	304		3-	19.696	4-	12.720	
20A	59	304		5-	21.185	6-	13.922	
75A	69	304		7-	14.126	8-	9.267	
98	65	304		1-	18.104	2-	11.842	
178	42	304		3-	13.924	4-	9.728	
221	CPF1	304		5-	14.098	6-	9.855	
306A	16	304		7-	15.816	8-	10.607	
261	9	304		1-	14.873	2-	9.727	
35A	12	304		3-	101.744	4-	55.904	
74	69	304		5-	12.681	6-	8.574	
96	65	304		7-	19.375	8-	12.021	
309	22	304		1-	13.366	2-	9.911	
310	22	304		3-	20.483	4-	13.543	
311A	22	304		5-	22.848	6-	15.031	
262A	9	304		7-	13.377	8-	8.784	
308	16	304		1-	15.206	2-	10.159	
223	CPF1	304		3-	21.738	4-	14.044	
164	42	304		5-	28.222	6-	18.731	
144	46	304	✓	7-	8.465	8-	6.134	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

21	37	106A	179A	217	222A	20A	75A	98	178
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 59	Stn 102	Stn 63	Stn 42	Stn 2	Stn CPF1	Stn 59	Stn 69	Stn 65	Stn 42
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 12	Bot 14	Bot 8	Bot 15	Bot 13	Bot 2	Bot 11	Bot 10	Bot 10	Bot 14

221	306A	261	35A	74	96	309	310	311A	262A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn CPF1	Stn 16	Stn 9	Stn 102	Stn 69	Stn 65	Stn 22	Stn 22	Stn 22	Stn 9
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 9	Bot 9	Bot 12	Bot 9	Bot 8	Bot 1	Bot 2	Bot 3	Bot 10

308	223	164	144
CHL	CHL	CHL	CHL
Stn 16	Stn CPF1	Stn 42	Stn 46
2018-032	2018-032	2018-032	2018-032
Bot 11	Bot 3	Bot 17	Bot 9

B

Chlorophyll Data Sheet

Cruise: 2018-032

Page: 2 of 5

Dates of Cruise: Chandler Nov 21-26

Time and date acetone added: Dec 06 14:00

Analyst: Hayleigh

Time and date out of freezer: Dec 07 12:00

Time analysis started: 13:00

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.017			
STD			LOW	2-	10.162			
STD			HIGH	4-	55.958			
Blank				6-	0.037	8-	0.037	DF
278	12	304	10	1-	19.471	2-	12.555	1 2 Filters
203	24	304		3-	21.522	4-	14.555	1
197	27	304		5-	7.066	6-	5.155	1
184	GE01	304		7-	28.51	8-	16.831	1
161A	42	304		1-	11.867	2-	7.787	1
110	63	304		3-	20.885	4-	13.340	1
85A	ADCP	304		5-	11.450	6-	7.513	1
132A	56	304		7-	11.164	8-	7.942	1
84	ADCP	304		1-	11.915	2-	8.386	1
107	63	304		3-	18.905	4-	12.700	1
160	42	304		5-	4.638	6-	3.629	1
181	42	304		7-	36.623	8-	10.5T	1 1100
198	14	304		1-	11.759	2-	8.103	1
220	2	304		3-	18.843	4-	12.350	1
281	12	304		5-	19.759	6-	12.526	1
250	6	304		7-	14.537	8-	9.446	1
49	75	304		1-	74.770	2-	40.965	1
48	75	304		3-	75.699	4-	42.044	1
51A	75	304		5-	74.284	6-	40.602	1
77	69	304		7-	21.659	8-	13.105	1
147	46	304		1-	19.193	2-	12.402	1
216A	2	304		3-	13.359	4-	9.237	1
305	16	304		5-	12.153	6-	8.823	1
252A	6	304	✓	7-	15.638	8-	10.385	1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

278	203	197	184	161A	110	85	132A	84 CHL ADCP 2018-032 bot 7	107
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL		CHL
Stn 12	Stn 24	Stn 27	Stn GEO1	Stn 42	Stn 63	Stn ADCP	Stn 56		Stn 63
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032		2018-032
Bot 14	Bot 2	Bot 13	Bot 3	Bot 14	Bot 12	Bot 8	Bot 11		Bot 9
160	181	198A	220	281	250	49	48	51A	77
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 42	Stn 42	Stn 27	Stn 2	Stn 12	Stn 6	Stn 75	Stn 75	Stn 75	Stn 69
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 13	Bot 17	Bot 14	Bot 16	Bot 17	Bot 11	Bot 12	Bot 11	Bot 14	Bot 12
147	216A	305	252A						
CHL	CHL	CHL	CHL						
Stn 46	Stn 2	Stn 16	Stn 6						
2018-032	2018-032	2018-032	2018-032						
Bot 12	Bot 12	Bot 8	Bot 13						

Chlorophyll Data Sheet

Cruise: 2018-032

Page: 3 of 5

Dates of Cruise: 8 Nov 21-26

Time and date acetone added: Dec 06 16:10

Analyst: Hayleigh

Time and date out of freezer: 14:10

Time analysis started: 15:10

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.165			
STD			HIGH	4-	55.540			
Blank				6-	0.022	8-	0.020	DF
249	6	304	10.	1-	17.391	2-	10.835	1
183A	GE01	304		3-	18.051	4-	11.897	1
118	62	304		5-	17.293	6-	11.592	1
61A	72	304		7-	20.232	8-	12.846	1
7A	SI	304		1-9	55.524	2-	31.499	1
6	SI	304		3-	10.235	4-	7.727	1
88	ADCP	304		5-	15.267	6-	9.849	1
119	62	304		7-	18.533	8-	12.709	1
182	GE01	304		1-	17.063	2-	11.100	1
238A	3	304		3-	18.188	4-	11.723	1
297	14	304		5-	14.537	6-	9.758	1
121A	62	304		7-	23.221	8-	14.405	1
95A	65	304		1-	14.257	2-	9.244	1
62	72	304		3-	36.611	4-	22.468	1
64	72	304		5-	39.641	6-9	24.058	1
135	56	304		7-	10.090	8-	7.034	1
236	3	304		1-	15.849	2-	10.644	1
277A	12	304		3-	18.617	4-	12.053	1
200	27	304		5-	31.685	6-	20.268	1
133	56	304		7-	11.578	8-	8.110	1
204	24	304		1-	24.775	2-	16.118	1
263	9	304		3-	12.417	4-	8.055	1
34	102	304		5-	53.364	6-	30.267	1
9	SI	304	20	7-	156.340	8-	81.192	3 muddy colour
Stand-by				1-	0.015			
Std	Low			2-	10.134			
Std	High			4-	55.448			
Blank	by			6-	0.026	8-	0.026	

new 90% Acetone Batch Lot 176180

3xOF $\frac{5ml}{15ml}$

238A
239A

249	183A	118	61A	7A	6	88	119	182	
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 6	Stn GEO1	Stn 62	Stn 72	Stn SI	Stn SI	Stn ADCP	Stn 62	Stn GEO1	Stn 3
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 10	Bot 2	Bot 8	Bot 10	Bot 7	Bot 6	Bot 11	Bot 9	Bot 1	Bot 15

297	121A	95A	62	64	135	236	277A	200	133
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 14	Stn 62	Stn 65	Stn 72	Stn 72	Stn 56	Stn 3	Stn 12	Stn 27	Stn 56
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 16	Bot 11	Bot 7	Bot 11	Bot 13	Bot 14	Bot 13	Bot 13	Bot 16	Bot 12

204	263	34	26mL
CHL	264	9	CHL
Stn 24	Stn 9	Stn 102	Stn SI
2018-032	2018-032	2018-032	2018-032
Bot 3	Bot 12	Bot 11	Bot 9

Chlorophyll Data Sheet

Cruise: 2018-032

Page: 4 of 5

Dates of Cruise: NOV 21-26 2018

Time and date acetone added: Dec 10 12:00

Analyst: Hayleugh

Time and date out of freezer: Dec 11 10:00

Time analysis started: 10:55

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.166			
STD			HIGH	4-	55.538			
Blank				6-	0.029	8-	0.028	DF
145A	46	304	10	1-	13.507	2-	8.872	1
222B	CPF	304		3-	20.579	4-	13.574	1
20B	59	304		5-	23.864	6-	15.656	1
311B	22	304		7-	22.491	8-	14.743	1
238B	3	304		1-	19.592	2-	12.915	1
277B	12	304		3-	18.416	4-	11.890	1
202B	24	304		5-	13.867	6-	9.131	1
198B	27	304		7-	11.061	8-	7.746	1
293	14	304		1-	7.951	2-	6.044	1
61B	72	304		3-	20.372	4-	12.833	1
179B	42	304		5-	19.025	6-	12.895	1
106B	63	304		7-	18.487	8-	12.190	1
51B	75	304		1-	17.579	2-	13.031	1
7B	SI	304		3-	54.301	4-	30.789	1
85B	ADCP	304		5-	12.136	6-	8.335	1
161B	42	304		7-	12.041	8-	8.218	1
294B	14	304		1-	8.783	2-	6.401	1
237	3	304		3-	18.123	4-	11.991	1
262B	9	304		5-	13.884	6-	9.167	1
202A	24	304		7-	16.416	8-	11.348	1
193B	6601	304		1-	17.841	2-	11.725	1
132B	56	304		3-	10.484	4-	7.407	1
121B	62	304		5-	20.875	6-	13.239	1
95B	65	304		7-	14.970	8-	10.064	1
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

145A	222B	20B	311B	238B 238B	277B	202B	198B	293	61B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 46	Stn CPF1	Stn 59	Stn 22	Stn 3	Stn 12	Stn 24	Stn 27	Stn 14	Stn 72
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 10	Bot 2	Bot 11	Bot 3	Bot 15	Bot 13	Bot 1	Bot 14	Bot 12	Bot 10
179B	106B	51B	7B	238B 238B	161B	294B	237	262B	202A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 42	Stn 63	Stn 75	Stn SI	Stn 42	Stn 14	Stn 3	Stn 9	Stn 24	Stn 24
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 15	Bot 8	Bot 14	Bot 7	Bot 14	Bot 13	Bot 14	Bot 10	Bot 1	Bot 1
183B	132B	121B	95B						
CHL	CHL	CHL	CHL						
Stn GEO1	Stn 56	Stn 62	Stn 65						
2018-032	2018-032	2018-032	2018-032						
Bot 2	Bot 11	Bot 11	Bot 7						

Chlorophyll Data Sheet

Page: 5 of 5

Cruise: 2010-032

Dates of Cruise: Nov 21-26 2009

Time and date acetone added: Dec 10 13:53

Analyst: Hayleigh

Time and date out of freezer: Dec 11 11:53

Time analysis started: 12:54

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.114			
STD			HIGH	4-	55.656			
Blank				6-	0.024	8- 0.022		
								DF
216 B	2	304	10	1-	13.343	2-	9.181	1
75 B	69	304	10	3-	14.347	4-	9.335	1
145 B	46	304	10	5-	12.135	6-	7.656	1
306 B	16	304	10	7-	13.578	8-	9.265	1
252 B	6	304	10	1-	16.234	2-	10.772	1
35 B	102	304	10	3-	98.310	4-	54.625	1
294A	14	304	10	5-	9.289	6-	6.739	1
				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-		
Stand-by				1-	0.014			
Std	Low			2-	10.142			
Std	High			4-	55.462			
Blank	by			6-	0.027	8-	0.024	

216B	75B	145B	306B	252B	35B	294A
CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 2	Stn 69	Stn 46	Stn 16	Stn 6	Stn 102	Stn 14
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 12	Bot 10	Bot 10	Bot 9	Bot 13	Bot 12	Bot 13