

Chlorophyll Data Sheet

Cruise: 2014-50
Date acetone added: 19 Nov 14
Date of analysis: 20 Nov 14

Page: 1 of 3

Time acetone added:

Analyst: Tamarik

10:05 a.m.
out of freezer @ 9:15 a.m.
start ed reading @ 10:45 a.m.

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	12.500			
			HIGH	4-	66.994			
Blank				6-	0.005 + acid	0.004		
		332	10					
186A	16			1-	4.353	2-	3.167	filter not sealed properly
193B	14			3-	16.512	4-	10.408	
193A	14			5-	16.086	6-	10.121	
191B	14			7-	17.423	8-	11.340	
191A	14			1-	17.338	2-	11.295	
190B	14			3-	15.586	4-	10.261	
190A	14			5-	15.183	6-	9.934	
178B	16			7-	17.013	8-	11.423	
178A	16			1-	16.472	2-	11.064	
175A	16			3-	13.406	4-	10.048	
175B	16			5-	12.465	6-	8.922	
176B	16			7-	13.285	8-	9.269	
167B	39			1-	31.227	2-	20.929	
167A	39			3-	29.616	4-	19.535	
165B	39			5- 19.525	20.591	6-	13.764	
165A	39			7-	21.198	8-	14.247	
164B	39			1-	12.754	2-	8.585	
164A	39			3-	13.773	4-	9.766	
150B	42			5-	32.148	6-	20.697	
148B	42			7-	24.860	8-	16.084	
148A	42			1-	25.317	2-	16.515	
147B	42			3-	15.705	4-	10.412	
147A	42			5-	17.370	6-	11.715	
150A	42			7-	33.436	8-	21.680	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

FILED NOT RECORDED
A

176
Chl
Stn16
10 m
2014-50
Bot 9

193 B
Chl
Stn14
0 m
2014-50
Bot 15

193 A
Chl
Stn14
0 m
2014-50
Bot 15

191 B
Chl
Stn14
10 m
2014-50
Bot 13

191 A
Chl
Stn14
10 m
2014-50
Bot 13

190 B
Chl
Stn14
20 m
2014-50
Bot 12

190 A
Chl
Stn14
20 m
2014-50
Bot 12

178
Chl
Stn16
0 m
2014-50
Bot 11
B

178
Chl
Stn16
0 m
2014-50
Bot 11
A

175
Chl
Stn16
20 m
2014-50
Bot 8
A

175
Chl
Stn16
20 m
2014-50
Bot 8
B

176
Chl
Stn16
10 m
2014-50
Bot 9
B

167 B
Chl
Stn39
0 m
2014-50
Bot 17

167 A
Chl
Stn39
0 m
2014-50
Bot 17

165 B
Chl
Stn39
10 m
2014-50
Bot 15

165 A
Chl
Stn39
10 m
2014-50
Bot 15

164 B
Chl
Stn39
20 m
2014-50
Bot 14

164 A
Chl
Stn39
20 m
2014-50
Bot 14

150 B
Chl
Stn42
0 m
2014-50
Bot 16

148 B
Chl
Stn42
10 m
2014-50
Bot 14

148 A
Chl
Stn42
10 m
2014-50
Bot 14

147 B
Chl
Stn42
20 m
2014-50
Bot 13

147 A
Chl
Stn42
20 m
2014-50
Bot 13

150 A
Chl
Stn42
0 m
2014-50
Bot 16

Chlorophyll Data Sheet

Cruise: 2014-50

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Date acetone added: 19 Nov 14

Time acetone added: 11:15 a.m.

Date of analysis: 20 Nov 14

Analyst: Tamar

out of freezer @ 10:25 a.m.
started reading @ 11:40 a.m.

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.003			
STD			LOW	2-	12.339			
			HIGH	4-	66.741			
Blank				6-	0.002 + acid	0.002		
134B	46			1-	40.173	2-	24.584	
134A	46			3-	40.783	4-	25.537	
131A	46			5-	41.939	6-	26.888	forgot read Ra
131B	46			7-	44.514	8-	22.972	
132B	46			1-	36.891	2-	22.972	
132A	46			3-	36.551	4-	22.489	
122B	56			5-	37.606	6-	23.592	
122A	56			7-	38.323	8-	23.781	
120B	56			1-	34.782	2-	21.631	
120A	56			3-	41.868	4-	26.850	
119B	56			5-	23.076	6-	15.059	spilled ~5 ml @ filtration
119A	56			7-	30.764	8-	19.909	
108	62			1-	37.393	2-	21.197	
108	62			3-	39.095	4-	22.120	
106	62			5-	33.873	6-	19.441	
106	62			7-	37.601	8-	21.537	
105	62			1-	33.032	2-	19.323	
105	62			3-	33.333	4-	19.232	
97	65			5-	45.217	6-	25.325	
97	65			7-	49.800	8-	27.881	
84	ADCP			1-	26.003	2-	15.528	
95	65			3-	30.291	4-	17.889	
95	65			5-	31.517	6-	18.475	
94	65			7-	23.771	8-		
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

134	134	131	131	132	132	122	122
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn46	Stn46	Stn46	Stn46	Stn46	Stn46	Stn56	Stn56
0 m	0 m	20 m	20 m	10 m	10 m	0 m	0 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 12	Bot 12	Bot 9	Bot 9	Bot 10	Bot 10	Bot 14	Bot 14
B	A	A	E	B	A	B	A

120	120	119	119	108	108	106	106
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn56	Stn56	Stn56	Stn56	Stn62	Stn62	Stn62	Stn62
10 m	10 m	20 m	20 m	0 m	0 m	10 m	10 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 12	Bot 12	Bot 11	Bot 11	Bot 11	Bot 11	Bot 9	Bot 9
B	A	B	A				

105	105	97	97	84	95	95	94
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn62	Stn62	Stn65	Stn65	StnADCP	Stn65	Stn65	Stn65
20 m	20 m	0 m	0 m	20 m	10 m	10 m	20 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 8	Bot 8	Bot 10	Bot 10	Bot 7	Bot 8	Bot 8	Bot 7

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Cruise: 2014-50

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Date acetone added: 19 Nov 14

Time acetone added:

Date of analysis: 20 Nov 14

Analyst: Tamar

2:35pm
out of freezer @ 12:40pm
started reading @ 2:05pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.005			
STD			LOW	2-	12.324			
			HIGH	4-	66.752			
Blank				6-	0.002 + acid	0.000		
		332	10					
94	65			1-	26.789	2-	16.078	
87	ADCP			3-	42.509	4-	23.456	
87	ADCP			5-	32.246	6-	18.076	
85	ADCP			7-	28.185	8-	16.578	
85	ADCP			1-	30.847	2-	18.000	
84	ADCP			3-	25.414	4-	15.186	
77A	69			5-	29.132	6-	16.771	
77B	69			7-	34.003	8-	19.139	
75B	69			1-	31.945	2-	18.246	
75A	69			3-	29.675	4-	16.984	16.968
74B	69			5-	25.124	6-	15.230	
74A	69			7-	22.205	8-	13.227	
65B	72			1-	35.228	2-	20.115	
65A	72			3-	35.454	4-	20.156	
63A	72			5-	28.172	6-	16.494	
63B	72			7-	28.625	8-	16.722	
62A	72			1-	21.420	2-	13.084	
62B	72			3-	21.648	4-	13.182	
52B	75			5-	37.425	6-	21.952	
52A	75			7-	34.457	8-	20.299	
50B	75			1-	31.566	2-	18.973	
50A	75			3-	36.183	4-	21.215	
49B	75			5-	29.619	6-	17.469	
49A	75			7-	28.350	8-		
Blank				3-	0.004 + acid	0.002		
Std	Low			5-	12.329			
Std	High			7-	66.774			
Stand-	by			8-	0.004			

94	87	87	85	85	84	77	77
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn65	StnADCP	StnADCP	StnADCP	StnADCP	StnADCP	Stn69	Stn69
20 m	0 m	0 m	10 m	10 m	20 m	0 m	0 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 7	Bot 10	Bot 10	Bot 8	Bot 8	Bot 7	Bot 12	Bot 12

75	75	74	74	65	65	63	63
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn69	Stn69	Stn69	Stn69	Stn72	Stn72	Stn72	Stn72
10 m	10 m	20 m	20 m	0 m	0 m	10 m	10 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 10	Bot 10	Bot 9	Bot 9	Bot 13	Bot 13	Bot 11	Bot 11

62	62	52	52	50	50	49	49
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn72	Stn72	Stn75	Stn75	Stn75	Stn75	Stn75	Stn75
20 m	20 m	0 m	0 m	10 m	10 m	20 m	20 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 10	Bot 10	Bot 12	Bot 12	Bot 13	Bot 13	Bot 12	Bot 12

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Cruise: 2014-50

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Date acetone added: 20 Nov 14

Time acetone added: 10:30 a.m.

Date of analysis: 21 Nov 14

Analyst: Tamara

out of freezer @ 9:20 am
started reading @ 10:30 am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.006			
STD			LOW	2-	12.422			
			HIGH	4-	67.274			
Blank				6-	0.004 + aud			
		332	10					
38	102			1-	42.246	2-	24.213	
38	102			3-	45.823	4-	26.071	
36	102			5-	45.204	6-	25.737	
36	102			7-	48.757	8-	27.493	
35	102			1-	51.635	2-	28.868	
35	102			3-	55.730	4-	31.273	
23	59			5-	50.434	6-	29.848	
23	59			7-	58.790	8-	34.656	
21	59			1-	46.765	2-	27.561	
21	59			3-	38.034	4-	22.674	
20	59			5-	34.987	6-	21.297	
20	59			7-	35.722	8-	21.414	
9	51		10	1-	304.053	2-	164.145	
9	51		20	3-	166.713	4-	90.440	
7	51		10	5-	13.185	6-	9.567	
7	51			7-	12.602	8-	9.262	
6	51			1-	18.163	2-	14.591	acetone leak @ extraction
6	51			3-	13.827	4-	10.252	
289A	27			5-	27.597	6-	17.713	
289B	27			7-	27.651	8-	17.687	
287B	27			1-	18.706	2-	12.003	
287A	27			3-2	20.076	4-	12.825	
286B	27			5-	9.556	6-		forgot to read Ra
286A	27			7-	9.897	8-	7.041	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

38	38	36	36	35	35	23	23
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn102	Stn102	Stn102	Stn102	Stn102	Stn102	Stn59	Stn59
0 m	0 m	10 m	10 m	20 m	20 m	0 m	0 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 15	Bot 15	Bot 13	Bot 13	Bot 12	Bot 12	Bot 14	Bot 14

21	21	20	20	9	9	7	7
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn59	Stn59	Stn59	Stn59	StnSI	StnSI	StnSI	StnSI
10 m	10 m	20 m	20 m	0 m	0 m	10 m	10 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 12	Bot 12	Bot 11	Bot 11	Bot 9	Bot 9	Bot 7	Bot 7

6	6	289	289	287	287	286	286
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
StnSI	StnSI	Stn27	Stn27	Stn27	Stn27	Stn27	Stn27
20 m	20 m	0 m	0 m	10 m	10 m	20 m	20 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 6	Bot 6	Bot 16 A	Bot 16 B	Bot 14 B	Bot 14 A	Bot 13 B	Bot 13 A

Chlorophyll Data Sheet

Cruise: 2014-50

Date acetone added: 20 Nov 14

Date of analysis: 21 Nov 14

Page: 2 of 3

Time acetone added:

Analyst: Tamara

12:45 pm
out of freezer @ 11:40 am
started reading @ 12:45 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.003			
STD			LOW	2-	12.326			
			HIGH	4-	66.594			
Blank				6-	0.003 + acid			
		332	10					
273B	2			1-	28.596	2-	18.145	
273A	2			3-	29.626	4-	18.872	
271B	2			5-	28.100	6-	18.598	
271A	2			7-	26.633	8-	16.833	
270B	2			1-	9.913	2-	6.955	
270A	2			3-	11.217	4-	7.944	
258B	3			5-	28.264	6-	17.817	
258A	3			7-	28.136	8-	17.778	
256A	3			1-	25.887	2-	16.461	
256B	3			3-	26.133	4-	16.789	
255B	3			5-	18.252	6-	12.414	
255A	3			7-	17.505	8-	11.424	
242B	BS17			1-	44.070	2-	27.536	
242A	BS17			3-	47.401	4-	27.396	
240B	BS17			5-	31.345	6-	21.394	
240A	BS17			7-	31.089	8-	21.095	
239B	BS17			1-	25.216	2-	17.361	
239A	BS17			3-	25.228	4-	17.436	
234	6			5-	25.331	6-	15.810	
232	6			7-	20.897	8-	13.427	
232	6			1-	21.707	2-	14.167	
231	6			3-	15.505	4-	10.471	
234	6			5-	24.213	6-	15.186	
231	6			7-	14.851	8-	9.903	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

273	273	271	271	270	270	258	258
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
Stn2	Stn2	Stn2	Stn2	Stn2	Stn2	Stn3	Stn3
0 m	0 m	10 m	10 m	20 m	20 m	0 m	0 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 15	Bot 15	Bot 13	Bot 13	Bot 12	Bot 12	Bot 16	Bot 16
B	A	B	A	B	A	B	A

256	256	255	255	242	242	240	240
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
Stn3	Stn3	Stn3	Stn3	StnBS17	StnBS17	StnBS17	StnBS17
10 m	10 m	20 m	20 m	0 m	0 m	10 m	10 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 14	Bot 14	Bot 13	Bot 13	Bot 8	Bot 8	Bot 6	Bot 6
A	B	B	A	B	A	B	A

239	239	234	232	232	231	234	231
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
StnBS17	StnBS17	Stn6	Stn6	Stn6	Stn6	Stn6	Stn6
20 m	20 m	0 m	10 m	10 m	20 m	0 m	20 m
2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50	2014-50
Bot 5	Bot 5	Bot 13	Bot 11	Bot 11	Bot 10	Bot 13	Bot 10
B	A						

Chlorophyll Data Sheet

Cruise: 2014-50

Page: 3 of 3

Date acetone added: 20 Nov 14

Time acetone added: 2:05 pm

Date of analysis: 21 Nov 14

Analyst: Tamara out of freezer @ 1:35 pm
started reading @ 2:40 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.004			
STD			LOW	2-	12.338			
			HIGH	4-	66.778			
Blank				6-	0.003 + acid	0.002		
		330	10					
206A	12			1-	17.786	2-	11.432	
206B	12			3-	17.725	4-	11.516	
207A	12			5-	19.018	6-	12.097	
207B	12			7-	18.537	8-	11.824	
209A	12			1-	22.327	2-	13.820	
209B	12			3-	22.748	4-	13.997	
218A	9			5-	12.600	6-	8.583	
218B	9			7-	12.606	8-	8.639	
219A	9			1-	19.728	2-	12.937	
219B	9			3-	19.149	4-	12.390	
221A	9			5-	22.440	6-	13.762	
221B	9			7-	22.606	8-	13.981	
				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-	0.002 + acid	0.001		
Std	Low			5-	12.363			
Std	High			7-	66.743			
Stand-	by			8-	0.004			

206 A
Chl
Stn12
20 m
2014-50
Bot 13

206 B
Chl
Stn12
20 m
2014-50
Bot 13

207
Chl
Stn12
10 m
2014-50
Bot 14

207 B
Chl
Stn12
10 m
2014-50
Bot 14

209 A
Chl
Stn12
0 m
2014-50
Bot 16

209 B
Chl
Stn12
0 m
2014-50
Bot 16

218
Chl
Stn9
20 m
2014-50
Bot 9
A

218
Chl
Stn9
20 m
2014-50
Bot 9
B

219
Chl
Stn9
10 m
2014-50
Bot 10
A

219
Chl
Stn9
10 m
2014-50
Bot 10
B

221
Chl
Stn9
0 m
2014-50
Bot 12
A

221
Chl
Stn9
0 m
2014-50
Bot 12
B