

Chlorophyll Data Sheet

Cruise: 2013-65

Page: 1 of 2

Date acetone added: 19 Nov 13

Time acetone added: 11 a.m.

Date of analysis: 20 Nov 13

Analyst: Tamariz

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.056			
STD			LOW	2-	12.069			
			HIGH	4-	65.399			
Blank				6-	0.017			
188	JS05		10	1-	22.487	2-	13.826	
188	JS05		10	3-	22.954	4-	14.136	
183	JS01		10	5-	23.419	6-	14.193	
183	JS01		10	7-	23.550	8-	14.378	
180	QCST30		10	1-	26.907	2-	16.643	
180	QCST30		10	3-	25.211	4-	15.517	
178	QCST31		10	5-	22.571	6-	14.350	
178	QCST31		10	7-	22.738	8-	14.458	
175	QCST30		10	1-	25.008	2-	15.864	
175	QCST30		10	3-	26.393	4-	16.890	
208	JS16		10	5-	31.624	6-	20.236	
208	JS16		10	7-	29.592	8-	18.905	
206	JS15		10	1-	15.819	2-	9.771	
206	JS15		10	3-	16.919	4-	10.368	
199	JS11		10	5-	16.752	6-	10.438	
199	JS11		10	7-	17.719	8-	10.974	
197	JS10		10	1-	17.207	2-	10.613	
197	JS10		10	3-	17.476	4-	11.051	
190	JS06		10	5-	17.885	6-	11.426	
190	JS06		10	7-	16.864	8-	10.652	
233	D110		10	1-	66.544	2-	38.772	
233	D110		10	3-	63.842	4-	36.906	
226	D106		10	5-	58.680	6-	34.424	
226	D106		10	7-	57.069	8-	33.470	
Blank				3-	0.044			
Std	Low			5-	11.988			
Std	High			7-	64.927			
Stand-	by			8-	-0.058			

224 D105 10 1 69.783 2 40.094
 224 D105 10 3 69.715 4 39.626
 216 D101 10 5 58.305 6 33.090
 216 D101 10 7 59.330 8 33.947
 215 JS20 10 1 30.320 2 19.690
 215 JS20 10 3 30.292 4 19.596

HS201365
JS 05
Const# 188

HS201365
JS 05
Const# 188

HS201365
JS 01
Const# 183

HS201365
JS 01
Const# 183

HS201365
QCST 30
Const# 180

HS201365
QCST 30
Const# 180

HS201365
QCST 31
Const# 178

HS201365
QCST 31
Const# 178

HS201365
QCST 30
Const# 175

HS201365
QCST 30
Const# 175

HS201365
JS 16
Const# 200

HS201365
JS 16
Const# 208

HS201365
JS 15
Const# 206

HS201365
JS 15
Const# 206

HS201365
JS 11
Const# 199

HS201365
JS 11
Const# 199

HS201365
JS 10
Const# 197

HS201365
JS 10
Const# 197

HS201365
JS 06
Const# 190

HS201365
JS 06
Const# 190

HS201365
DI 10
Const# 233

HS201365
DI 10
Const# 233

HS201365
DI 06
Const# 226

HS201365
DI 06
Const# 226

HS201365
DI 05
Const# 224

HS201365
DI 05
Const# 224

HS201365
DI 01
Const# 216

HS201365
DI 01
Const# 216

HS201365
JS 20
Const# 215

HS201365
JS 20
Const# 215

Chlorophyll Data Sheet

Cruise: 2013-65

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Date acetone added: 19 Nov 13

Time acetone added: 2:30

Date of analysis: 20 Nov 13

Analyst: Tamar

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.059			
STD			LOW	2-	11.954			
			HIGH	4-	64.979			
Blank				6-	-0.011			
019	IVI 01	10	1-	192.561	2-	103.509		
19	IVI 01	10	3-	165.121	4-	85.803		
016	JF06	10	5-	75.033	6-	45.140		
016	JF06	10	7-	77.039	8-	45.881		
013	JF05	10	1-	46.860	2-	27.129		
013	JF05	10	3-	52.622	4-	30.642		
010	JF04	10	5-	59.135	6-	34.142		
010	JF04	10	7-	67.457	8-	38.362		
007	JF03	10	1-	99.624	2-	56.023		
007	JF03	10	3-	118.250	4-	65.891		
034	VI04	10	5-	126.454	6-	71.627		
034	VI04	10	7-	124.029	8-	69.643		
051031	VI03	10	1-	72.453	2-	42.436		
021	VI03	10	3-	71.530	4-	41.824		
028	VI02	10	5-	215.645	6-	118.509		
028	VI02	10	7-	210.092	8-	115.381		
025	VI01	10	1-	184.638	2-	100.446		
025	VI01	10	3-	191.983	4-	104.678		
022	IVI02	10	5-	186.984	6-	99.450		
022	IVI02	10	7-	181.604	8-	96.891		
049	VI09	10	1-	280.956	2-	155.993		
049	VI09	10	3-	288.631	4-	162.224		
040	VI06	10	5-	254.065	6-	137.938		
040	VI06	10	7-	252.422	8-	137.713		
Blank			3-	0.060				
Std	Low		5-	12.043				
Std	High		7-	64.983				
Stand-	by		8-	-0.057				

037 VI05 10 1 152.938 2 88.354
 037 VI05 10 3 141.157 4 81.366
 046 VI08 20 5 223.333 6 125.578
 046 VI08 20 7 218.585 8 121.181
 043 VI07 20 1 272.511 2 151.947
 043 VI07 20 3 276.417 4 154.820

HS201365

IVI 01

CONS# 019

HS201365

IVI 01

CONS# 019

HS201365

JF06

CONS# 016

HS201365

JF06

CONS# 016

HS201365

JF05

CONS# 013

HS201365

JF05

CONS# 013

HS201365

JF04

CONS# 010

HS201365

JF04

CONS# 010

HS201365

JF03

CONS# 007

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JF03

CONS# 007

HS201365

VI 04

CONS# 034

HS201365

VI 04

CONS# 034

HS201365

VI 03

CONS# 031

HS201365

VI 03

CONS# 031

HS201365

VI 02

CONS# 028

HS201365

VI 02

CONS# 028

HS201365

VI 01

CONS# 025

HS201365

VI 01

CONS# 025

HS201365

IVI 02

CONS# 022

HS201365

IVI 02

CONS# 022

HS201365

VI 09

CONS# 049

HS201365

VI 09

CONS# 049

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VI 06

CONS# 040

HS201365

VI 06

CONS# 040

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VI 05

CONS# 037

HS201365

VI 05

CONS# 037

HS201365

VI 08

CONS# 046

HS201365

VI 08

CONS# 046

HS201365

VI 07

CONS# 043

HS201365

VI 07

CONS# 043

Chlorophyll Data Sheet

Cruise: 2013-65

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Date acetone added: 20 Nov 13

Time acetone added: 10:30

Date of analysis: 21 Nov 13

Analyst: Tomare

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.055			
STD			LOW	2-	12.150			
			HIGH	4-	66.114			
Blank				6-	-0.016			
055	VI 11		10	1-	277.684	2-	159.056	
055	VI 11		10	3-	282.924	4-	160.266	
52	VI 10		10	5-	113.198	6-	65.525	
52	VI 10		10	7-	109.697	8-	63.517	
79	EP07		10	1-	77.500	2-	45.915	
79	EP07		10	3-	75.743	4-	44.752	
76	EP06		10	5-	49.027	6-	29.592	
76	EP06		10	7-	48.503	8-	29.610	
73	EP05		10	1-	160.637	2-	89.889	
73	EP05		10	3-	159.953	4-	89.866	
70	EP04		10	5-	313.829	6-	169.668	
70	EP04		10	7-	301.585	8-	168.843	
67	EP03		10	1-	168.754	2-	94.543	DF = 2
67	EP03		20	3-	150.877	4-	87.687	
91	VI 16		10	5-	82.360	6-	46.230	
91	VI 16		10	7-	81.873	8-	46.217	
82	VI 13		10	1-	207.842	2-	115.605	
82	VI 13		10	3-	193.651	4-	107.404	
88	VI 15		20	5-	183.178	6-	101.875	
88	VI 15		20	7-	176.563	8-	99.707	
64	EP02		20	1-	279.894	2-	149.655	
64	EP02		20	3-	258.969	4-	140.056	
61	EP01		20	5-	180.523	6-	79.147	
61	EP01		20	7-	203.042	8-	111.353	
Blank				3-	-0.017			
Std	Low			5-	11.953			
Std	High			7-	64.942			
Stand-	by			8-				

58 VI 12 20 1 255.102 2 139.712
 58 VI 12 20 3 263.718 4 142.668 142.397 (1st 5)
 94 VI 17 20 5 254.778 6 146.766
 94 VI 17 20 7 229.514 8 130.180
 85 VI 14 20 1 290.365 2 159.826
 85 VI 14 20 3 288.337 4

HS201365 VI 11 CONS# 055	HS201365 VI 11 CONS# 055	HS201365 VI 10 CONS# 052	HS201365 VI 10 CONS# 052	HS201365 EP 07 CONS# 079
HS201365 EP 07 CONS# 079	HS201365 EP 06 CONS# 076	HS201365 EP 06 CONS# 076	HS201365 EP 05 CONS# 073	HS201365 EP 05 CONS# 073
HS201365 EP 04 CONS# 070	HS201365 EP 04 CONS# 070	HS201365 EP 03 CONS# 067	HS201365 EP 03 CONS# 067	HS201365 VI 16 CONS# 091
HS201365 VI 16 CONS# 091	HS201365 VI 13 CONS# 082	HS201365 VI 13 CONS# 082	HS201365 VI 15 CONS# 088	HS201365 VI 15 CONS# 088
HS201365 EP 02 CONS# 064	HS201365 EP 02 CONS# 064	HS201365 EP 01 CONS# 061	HS201365 EP 01 CONS# 061	HS201365 VI 12 CONS# 058
HS201365 VI 12 CONS# 058	HS201365 VI 17 CONS# 094	HS201365 VI 17 CONS# 094	HS201365 VI 14 CONS# 065	HS201365 VI 14 CONS# 085

Chlorophyll Data Sheet

Cruise: 2013-65

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Date acetone added: 20 Nov 13

Time acetone added: 1:35

Date of analysis: 21 Nov 13

Analyst: Tanan

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.059			
STD			LOW	2-	11.875			
			HIGH	4-	65.0819			
Blank				6-	-0.013			
109	VS20		10	1-	112.612	2-	61.601	
109	VS20		10	3-	102.801	4-	56.675	
106	QCSD02		10	5-	24.425	6-	14.762	+14.761 (1st 7)
106	QCSD02		10	7-	20.079	8-	12.399	
103	QCSD01		10	1-	36.098	2-	21.385	
103	QCSD01		10	3-	38.986	4-	23.318	
100	VI19		10	5-	57.809	6-	34.014	
100	VI19		10	7-	66.270	8-	38.655	
97	VI18		10	1-	180.255	2-	100.475	
97	VI18		10	3-	160.177	4-	89.227	
125	QCST01		10	5-	37.424	6-	23.059	
125	QCST01		10	7-	35.955	8-	22.707	
121	IVI03		10	1-	62.717	2-	33.839	
121	IVI03		10	3-	65.695	4-	35.874	
118	VS23		10	5-	113.770	6-	1st @ 62.823 2nd @ 62.735	
118	VI23		10	7-	113.159	8-	62.895	
115	VI22		10	1-	162.697	2-	92.862	
115	VI22		10	3-	173.538	4-	99.457	
112	VI21		10	5-	117.181	6-	65.013	
112	VI21		10	7-	112.662	8-	63.763	
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Blank				3-	-0.014			
Std	Low			5-	11.918			
Std	High			7-	64.984			
Stand-	by			8-	-0.058			

HS201365 VI20 const# 109	HS201365 VI20 const# 109	HS201365 QCSD02 const# 106	HS201365 QCSD02 const# 106	HS201365 QCSD01 const# 103
HS201365 QCSD01 const# 103	HS201365 VI 19 const# 100	HS201365 VI 19 const# 100	HS201365 VI 18 const# 097	HS201365 VI 18 const# 097
HS201365 QCST 01 const# 125	HS201365 QCST01 const# 125	HS201365 IVI 03 const# 121	HS201365 IVI 03 const# 121	HS201365 VI 23 const# 118
HS201365 VI 23 const# 118	HS201365 VI 22 const# 115	HS201365 VI 22 const# 115	HS201365 VI 21 const# 112	HS201365 VI 21 const# 112

Chlorophyll Data Sheet

Cruise: 2013-65

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Date acetone added: 20 Nov 13

Time acetone added: 03:20

Date of analysis: 21 Nov 13

Analyst: Tamar

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	1			
STD			LOW	2-	See page 2			
			HIGH	4-				
Blank				6-				
153	QCST18		10	1-	42.404	2-	25.056	
153	QCST18		10	3-	43.817	4-	26.928	
155	QCST19		10	5-	37.677	6-	23.283	
155	QCST19		10	7-	38.161	8-	23.555	
162	QCST23		10	1-	37.727	2-	23.488	
162	QCST23		10	3-	39.023	4-	23.795	
164	QCST24		10	5-	35.891	6-	21.903	
164	QCST24		10	7-	33.686	8-	20.840	
168	QCST26		10	1-	32.708	2-	21.041	
168	QCST26		10	3-	33.773	4-	21.181	
128	QCST02		10	5-	26.775	6-	17.632	
128	QCST02		10	7-	26.309	8-	17.314	
134	QCST05		10	1-	37.276	2-	23.054	
134	QCST05		10	3-	36.886	4-	22.832	
136	QCST07		10	5-	35.695	6-	22.775	
136	QCST07		10	7-	35.678	8-	22.896	
144	QCST11		10	1-	31.625	2-	19.718	
146	QCST12		10	3-	35.833	4-	23.728	
146	QCST12		10	5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Blank				3-	-0.014			
Std	Low			5-	11.980			
Std	High			7-	65.155			
Stand-	by			8-	-0.057			

HS201365
QCST 10
CONS# 153

HS201365
QCST 10
CONS# 153

HS201365
QCST 19
CONS# 155

HS201365
QCST 19
CONS# 155

HS201365
QCST 23
CONS# 162

HS201365
QCST 23
CONS# 162

HS201365
QCST 24
CONS# 164

HS201365
QCST 24
CONS# 164

HS201365
QCST 26
CONS# 168

HS201365
~~QCST~~ 26
CONS# 168

HS201365
QCST 02
CONS# 128

HS201365
QCST 02
CONS# 120

HS201365
QCST 05
CONS# 134

HS201365
QCST 05
CONS# 134

HS201365
QCST 07
CONS# 136

HS201365
QCST 07
CONS# 136

HS201365
QCST 11
CONS# 144

HS201365
QCST 12
CONS# 146

HS201365
QCST 12
CONS# 146