

out of freezer @ 11.55 a.m.
started reading @ 1.05 p.m.

Chlorophyll Data Sheet

Cruise: 2014-23 + 2014-36

Page: 2 of 3

Date acetone added: 06 Aug 14

Time acetone added: 12:55 pm

Date of analysis:

Analyst: TF

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.000			
STD			LOW	2-				
			HIGH	4-				
Blank				6-	0.000 + add		-0.002	
199	59	332	20ml	1-	114.210	2-	59.899	
199	59		20ml	3-	131.810	4-	68.222	
200	59		20	5-	114.599	6-	60.020	
200	59		20	7-	144.939	8-	75.741	
202	59		20	1-	112.033	2-	58.787	
202	59		20	3-	128.497	4-	67.059	
213A	62		20	5-	305.659	6-	157.841	
213B	62		20	7-	313.901	8-	161.621	
211A	62		20	1-	48.628	2-	77.160	
211B	62		20	3-	161.969	4-	84.686	
210A	62		20	5-	98.342	6-	51.302	
217B	62		20	7-	96.586	8-	50.921	
220A	65		20	1-	117.511	2-	61.704	
221A	65		20	3-	181.395	4-	93.859	
223A	65		20	5-	177.355	6-	92.432	DF=2
220B	65		20	7-	155.013	8-	81.529	
156	16C13		20	1-	208.536	2-	118.529	
156	16C13		20	3-	233.412	4-	124.154	
159	16C14		20	5-	279.296	6-	159.457	
159	16C14		20	7-	251.269	8-	146.800	
162	16C15		10	1-	265.939	2-	143.897	
162	16C15		10	3-	260.860	4-	141.250	
165	16C16		20	5-	254.888	6-	142.496	
165	16C16		20	7-	255.634	8-	142.056	
Blank				3-				
Std	Low			5-	12.226			
Std	High			7-	66.266			
Stand-	by			8-				

2014-23
199 A+B
200 A+B
202 A+B
213 A+B

211 B+A
210 A+B
220 A+B
221 A
223 A

156 159 162 165
159 A+B
165 A+B

199	199	200	200	202	202	213 A	213 B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 62	Stn 62
2014-23	2014-23	2014-23	2014-23	2014-23	2014-23	2014-23	2014-23
Bot 11	Bot 11	Bot 12	Bot 12	Bot 14	Bot 14	Bot 11	Bot 11

211	211	210	210	220 A	22 A	223 A	220 B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 62	Stn 62	Stn 62	Stn 62	Stn 65	Stn 65	Stn 65	Stn 65
2014-23	2014-23	2014-23	2014-23	2014-23	2014-23	2014-23	2014-23
Bot 9	Bot 9	Bot 8	Bot 8	Bot 7	Bot 8	Bot 10	Bot 7

HS 2014-36	HS 2014-36	HS 2014-36	HS 2014-36
CHL	CHL	CHL	CHL
Bot 14	Bot 14	Bot 14	Bot 14

out of freezer @ 1:30 p.m.
start reading @ 2:55 p.m.

Chlorophyll Data Sheet

Cruise: 2014-36 + 2014-18

Page: 3 of 3

Date acetone added: 06 Aug 14

Time acetone added: 3:05 p.m.

Date of analysis: 07 Aug 14

Analyst: TF

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.000			
STD			LOW	2-				
			HIGH	4-				
Blank				6-	0.003	acid	0.001	
168	1BC17	332	20	1-	220.255	2-	18.119	
168	1BC17		20	3-	204.928	4-	110.360	
171	1BC18		20	5-	274.222	6-	148.722	
171	1BC18		20	7-	283.537	8-	153.610	
174	1BC19		20	1-	264.167	2-	143.663	
174	1BC19		20	3-	261.188	4-	141.624	
181	R105		20	5-	253.557	6-	142.787	
181	R105		20	7-	283.703	8-	142.282	
185	1BC20		20	1-	175.713	2-	97.975	DF=2
185	1BC20		20	3-	177.666	4-	101.417	DF=2
188	1BC21		10	5-	232.160	6-	135.778	
188	1BC21		10	7-	226.385	8-	133.883	
542A	P23		10	1-	19.328	2-	11.373	
542B	P23		10	3-	19.428	4-	11.394	
543A	P23		10	5-	11.384	6-	6.701	
543B	P23		10	7-	11.014	8-	6.443	
1008 B	P24		10	1-	17.487	2-	10.335	
1008A	P24		10	3-	17.563	4-	10.464	
548B	P24		10	5-	15.931	6-	10.120	
548A	P24		10	7-	16.379	8-	10.493	
549A	P24		10	1-	22.895	2-	13.269	
549B	P24		10	3-	20.784	4-	12.042	
551A	P25		10	5-	14.433	6-	8.338	
551B	P25		10	7-	14.022	8-	8.093	
Blank				3-	0.002	acid	0.000	
Std	Low			5-	12.181			
Std	High			7-	66.197			
Stand-	by			8-	0.000			

2014-36

2014-18

20ml : 168A+B
171 A+B
174 A+B
181 A+B
185A+B

HS 2014-36 CHL IBC 17 168	HS 2014-36 CHL IBC 17 168	HS 2014-36 CHL IBC 18 171	HS 2014-36 CHL IBC 18 171
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HS 2014-36 CHL IBC 19 174	HS 2014-36 CHL IBC 19 174	HS 2014-36 CHL R1 05 191	HS 2014-36 CHL R1 05 181
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HS 2014-36 CHL IBC 20 185	HS 2014-36 CHL IBC 20 185	HS 2014-36 CHL IBC 21 188	HS 2014-36 CHL IBC 21 188
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542A CHL P23 50/Max 2014-18 Bot 1	542B CHL P23 50/Max 2014-18 Bot 1	543A CHL P23 5 m 2014-18 Bot 2	543B CHL P23 5 m 2014-18 Bot 2	P24 CHL B LOOP 2014-18	P24 CHL A LOOP 2014-18	548B CHL P24 50/Max 2014-18 Bot 5
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548A CHL P24 50/Max 2014-18 Bot 5	549A CHL P24 5 m 2014-18 Bot 6	549B CHL P24 5 m 2014-18 Bot 6	551A CHL P25 5 m 2014-18 Bot 2	551B CHL P25 5 m 2014-18 Bot 2
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out of freezer @ 9 a.m.
 start reading @ 10:00
 High seas salmon.

Chlorophyll Data Sheet

Cruise: 2014-36

Page: 1 of

Date acetone added: 12 August 2014

Time acetone added: 09:30

Date of analysis: 13 August 2014

Analyst: KS

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-0159	0.002			
STD			LOW	2-0160	12.5			
			HIGH	4-0161	67.3			
Blank				6-0162	0.003	7-0163	0.004	
1	J501	330	10	1-0164	24.9	2-	16.4	
1	"		"	3-	26.8	4-	17.4	
4	J502		"	5-	26.4	6-	16.6	
4	"		"	7-	26.1	8-	16.7	
7	J503		"	1-0172	47.0	2-	27.8	
7	"		"	3-	46.0	4-	27.4	
10	J504		"	5-	107	6-	62.5	
10	"		"	7-	103	8-	58.9	
13	JF05		20	1-0180	104	2-	58.8	
13	"		20	3-	104	4-	58.3	
17	J506		10	5-	115	6-	67.4	
17	"		"	7-	115	8-	67.5	
19	J507		"	1-0188	90.5	2-	53.6	
19	J507		"	3-	92.4	4-	55.6	
22	J508		"	5-	96.8	6-	59.0	
22	"		"	7-	99.9	8-	61.3	
25	QCST01		"	1-0196	67.3	2-	43.9	
25	"		"	3-	70.9	4-	46.0	
29	QCST03		20	5-	105	6-	60.9	
29	"		20	7-	104	8-	59.8	
33	QCST05		20	1-0204	109	2-	63.3	
33	QCST05		20	3-	107	4-	61.5	
36	QCST06		10	5-	131	6-	76.8	
36	"	✓	10	7-	131	8-	76.6	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

sln names
 different
 prob. J507
 since J502
 above.

20 mL = JF05 #13 x 2

QCST03 #29 x 2

QCST05 #33 x 2



HS 2014-36 CHL #001 JS01	HS 2014-36 CHL #001 JS01	HS 2014-36 CHL #004 JS02	HS 2014-36 CHL #004 JS02	HS 2014-36 CHL JS03 #007
HS 2014-36 CHL JS03 #007	HS 2014-36 CHL JS04 #010	HS 2014-36 CHL JS04 #010	HS 2014-36 CHL JS05 #013	HS 2014-36 CHL JS05 #013
HS 2014-36 CHL JS06 #017	HS 2014-36 CHL JS06 #017	HS 2014-36 CHL JS02 #019	HS 2014-36 CHL JS07 #019	HS 2014-36 CHL JS08 #022
HS 2014-36 CHL JS03 #022	HS 2014-36 CHL QCST 01 #025	HS 2014-36 CHL QCST 01 #025	HS 2014-36 CHL QCST 03 #029	HS 2014-36 CHL QCST 03 #029
HS 2014-36 CHL QCST 05 033	HS 2014-36 CHL QCST 05 033	HS 2014-36 CHL QCST 06 036	HS 2014-36 CHL QCST 06 036	

out of freezer @ 11:20 a.m.
started reading @ 12:45 pm

Highseas Salmon.

Chlorophyll Data Sheet

Cruise: 2014-36

Page: 2 of 3

Date acetone added: 12 Aug 2014

Time acetone added: 11:45

Date of analysis: 13 Aug 14

Analyst: JF

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.000			
STD			LOW	2-	11.158			
			HIGH	4-	66.761			
Blank				6-	0.000 + acid	--0.001		
40	QCST 08	332	10	1-	175.445	2-	101.449	
40	"		10	3-	194.596	4-	112.558	
044	QCST 10		10	5-	136.522	6-	79.802	
044	"		10	7-	131.780	8-	77.825	
47	QCST 11		10	1-	56.172	2-	35.291	
47	"		10	3-	57.825	4-	36.473	
50	QCST 12		10	5-	84.610	6-	53.767	
50	"		10	7-	80.076	8-	50.323	
53	QCSD 01		10	1-	213.637	2-	126.210	
53	QCSD 01		10	3-	212.088	4-	125.167	
56	QCSD 02		10	5-	133.634	6-	76.594	
56	QCSD 02		10	7-	140.362	8-	81.890	
59	QCST 13		10	1-	182.818	2-	114.995	
62	QCST 14		10	3-	185.732	4-	116.263	
62	"		10	5-	281.952	6-	174.001	
62	"		10	7-	295.791	8-	178.597	
67	QCST 16		10	1-	168.115	2-	97.035	
67	"		10	3-	165.111	4-	95.323	
69	QCST 17		10	5-	118.628	6-	69.233	
69	"		10	7-	117.193	8-	68.142	
72	QCST 18		10	1-	178.128	2-	103.049	
72	QCST 18		10	3-	168.238	4-	98.446	
75	QCST 19		10	5-	180.311	6-	102.213	
75	QCST 19		10	7-	170.687	8-	97.088	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

HS 2014-36
CHL
QCST 08 40

HS 2014-36
CHL
QCST 08 40

HS 2014-36
CHL
QCST 10 044

HS 2014-36
CHL
QCST 10 044

HS 2014-36
CHL
QCST 11 47

HS 2014-36
CHL
QCST 11 047

HS 2014-36
CHL
QCST 12 50

HS 2014-36
CHL
QCST 12 50

HS 2014-36
CHL
QCST 01 53

HS 2014-36
CHL
QCST 01 53

HS 2014-36
CHL
QCST 02 56

HS 2014-36
CHL
QCST 02 56

HS 2014-36
CHL
QCST 13 59

HS 2014-36
CHL
QCST 13 59

HS 2014-36
CHL
QCST 14 62

HS 2014-36
CHL
QCST 14 62

HS 2014-36
CHL
QCST 16 67

HS 2014-36
CHL
QCST 16 67

HS 2014-36
CHL
QCST 17 69

HS 2014-36
CHL
QCST 17 69

HS 2014-36
CHL
QCST 18 72

HS 2014-36
CHL
QCST 18 72

HS 2014-36
CHL
QCST 19 75

HS 2014-36
CHL
QCST 19 75

out of filter @ 12:00 p.m.
started reading @ 1:10 p.m.

Chlorophyll Data Sheet

Cruise: 2014-36

Page: 3 of 3

Date acetone added: 12 Aug 2014

Time acetone added: 1:30 p.m.

Date of analysis: 13 Aug 2014

Analyst: TK

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.000			
STD			LOW	2-	12.319			
			HIGH	4-	66.857			
Blank				6-	-0.000 + acid	-0.000		
78	T07	332	10	1-	196.134	2-	113.942	
78	"		10	3-	207.642	4-	118.815	
81	T06		10	5-	223.906	6-	139.913	
81	"		10	7-	213.575	8-	135.092	
84	T05		20	1-	205.265	2-	119.701	
84	"		20	3-	219.920	4-	124.355	
87	T04		20	5-	192.063	6-	124.569	DF=2
87	"		20	7-	193.022	8-	130.961	DF=2
90	T03		10	1-	46.936	2-	32.585	
90	"		10	3-	49.671	4-	34.437	
93	T02		10	5-	140.861	6-	89.802	
93	T02		10	7-	146.386	8-	90.453	
96	T01		10	1-	172.210	2-	98.059	
96	"		10	3-	177.950	4-	102.579	
99	H01		10	5-	20.856	6-	11.965	
99	"		10	7-	21.967	8-	12.687	did not get electronically
102	H02		10	1-	50.3	2-	29.250	
102	H02		10	3-	48.857	4-	28.611	
105	H03		10	5-	28.211	6-	16.634	
105	H03		10	7-	27.258	8-	15.896	
108	H04		10	1-	53.980	2-	31.493	
108	H04		10	3-	55.099	4-	32.115	
111	H05		10	5-	47.892	6-	26.997	
111	H05		10	7-	48.731	8-	27.282	
Blank				3-	0.000 + acid	-0.001		
Std	Low			5-	12.345			
Std	High			7-	67.140			
Stand-	by			8-	0.001			

20 ml T05 84A-B
T04 87A-B

HS 2014-36
CHL
T07 78

HS 2014-36
CHL
T07 78

HS 2014-36
CHL
T06 81

HS 2014-36
CHL
T06 81

HS 2014-36
CHL
T05 84

HS 2014-36
CHL
T05 84

HS 2014-36
CHL
T05 87

HS 2014-36
CHL
T04 87

HS 2014-36
CHL
T03 90

HS 2014-36
CHL
T03 90

HS 2014-36
CHL
T02 93

HS 2014-36
CHL
T02 93

HS 2014-36
CHL
T01 96

HS 2014-36
CHL
T01 96

HS 2014-36
CHL
H01 99

HS 2014-36
CHL
H01 99

HS 2014-36
CHL
H02 102

HS 2014-36
CHL
H02 102

HS 2014-36
CHL
H03 105

HS 2014-36
CHL
H03 105

HS 2014-36
CHL
H04 103

HS 2014-36
CHL
H04 108

HS 2014-36
CHL
H05 111

HS 2014-36
CHL
H05 111

started reading @ 12:05 pm

Chlorophyll Data Sheet

Cruise: 2014-36

Page: 1 of 2

Date acetone added: 13 Aug 14

Time acetone added: 11:35 a.m.

Date of analysis: 14 Aug 14

Analyst: JF

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.001			
STD			LOW	2-	12.375			
			HIGH	4-	67.187			
Blank				6-	-0.000 + add	-0.001		
114	H06	332	10	1-	29.122	2-	16.012	
114	"		10	3-	20.354	4-	16.619	
117	H07		10	5-	148.202	6-	80.416	
117	"		10	7-	146.930	8-	79.393	
120	IBC01		20	1-	181.884	2-	98.417	
120	"		20	3-	185.656	4-	100.474	
123	IBC02		10	5-	194.347	6-	109.409	
123	"		10	7-	194.106	8-	110.426	
126	IBC03		10	1-	279.982	2-	153.675	
129	IBC04		20	3-	243.940	4-	133.701	
126	IBC03		10	5-	285.867	6-1	155.197	
129	IBC04		20	7-	214.465	8-	134.025	
132	IBC05		20	1-	297.737	2-	162.366	
132	"		20	3-	307.501	4-	167.023	
135	IBC06		20	5-	181.428	6-	99.239	DF=2
135	IBC06		20	7-	179.607	8-	98.422	DF=2
138	IBC07		20	1-	206.113	2-	110.703	
138	"		20	3-	195.381	4-	105.618	
153	IBC12		10	5-	29.973	6-	17.597	
145	IBC09		10	7-	172.113	8-	95.982	
142	IBC08		10	1-	285.763	2-	153.878	
142	"		10	3-	277.814	4-	151.221	
145	IBC09		10	5-	178.864	6-	100.1168	
147	IBC10		10	7-	169.097	8-	94.980	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

20ml IBC 20 120
 IBC 05 132
 IBC 06 135 Aug

HS 2014-36
CHL
H 06 114

HS 2014-36
CHL
H 06 114

HS 2014-36
CHL
H 07 117

HS 2014-36
CHL
H 07 117

HS 2014-36
CHL
IBC 01 120

HS 2014-36
CHL
IBC 01 120

HS 2014-36
CHL
IBC 02 123

HS 2014-36
CHL
IBC 02 123

HS 2014-36
CHL
IBC 03 126

HS 2014-36
CHL
IBC 04 129

HS 2014-36
CHL
IBC 03 126

HS 2014-36
CHL
IBC 04 129

HS 2014-36
CHL
IBC 05 132

HS 2014-36
CHL
IBC 05 132

HS 2014-36
CHL
IBC 06 135

HS 2014-36
CHL
IBC 06 135

HS 2014-36
CHL
IBC 07 139

HS 2014-36
CHL
IBC 07 139

HS 2014-36
CHL
IBC 12 153

HS 2014-36
CHL
IBC 09 145

HS 2014-36
CHL
IBC 08 142

HS 2014-36
CHL
IBC 09 142

HS 2014-36
CHL
IBC 09 145

HS 2014-36
CHL
IBC 10 147

started reading @ 12:05 pm

Chlorophyll Data Sheet

Cruise: 2014-36
 Date acetone added: 13 Aug 14
 Date of analysis: 14 Aug 14

Page: 2 of 2
 Time acetone added: 11:35 a.m.
 Analyst: TT

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-				
STD			LOW	2-				
			HIGH	4-				
Blank				6-				
147	1BC10	332	10	1-	168.480	2-	95.366	
150	1BC11		10	3-	19.318	4-	11.233	
150	1BC11		10	5-	18.934	6-	10.938	
153	1BC12		10	7-	29.677	8-	17.490	
				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-	0.000	add	0.000	
Std	Low			5-	12.242			
Std	High			7-	66.848			
Stand-	by			8-	0.001			

HS 2014-36

CHL

IBC 10

147

HS 2014-36

CHL

IBC 11

150

HS 2014-36

CHL

IBC 11

150

HS 2014-36

CHL

IBC 12

153