

Chlorophyll Data Sheet

Cruise: 2017-07

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Dates of Cruise:

Time and date acetone added: 18 Apr 17 1145am

Analyst: Tamar

Time and date out of freezer: 19 Apr 17 930am

Time analysis started: 19 Apr 17 1030am

20ml: 10A, 10B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.007			
STD			LOW	2-	11.942			
STD			HIGH	4-	64.969			
Blank				6-	0.027	8-	0.025	
116B 5m	Halibank	140	10	1-	121.875	2-	65.358	DF=3 = 5ml sa + 10ml
20B 5m	SC-04	140	10	3-	30.724	4-	18.272	17.97m DF=1
18A 15m	41	140	10	5-	180.400	6-	95.826	DF=1
15B 0m	Halibank	140	10	7-	251.794	8-	133.894	DF=1
19A 0m	SC-04	140	10	1-	89.759	2-	47.573	50.261 DF=1
15A 0m	Halibank	140	10	3-	254.716	4-	134.247	DF=1
13B 0m	GE01	140	10	5-	315.367	6-	167.701	DF=1
14B	GE01	140	10	7-	145.556	8-	78.026	DF=2 (10ml + 10ml)
20A 5m	SC-04	140	10	1-	56.258	2-	33.475	DF=1
10B 0m	41	140	20	3-	266.003	4-	138.983	DF=1
10A 0m	41	140	20	5-	261.018	6-	136.668	DF=1
14A 5m	GE01	140	10	7-	303.407	8-	163.253	DF=1
16A 5m	Halibank	140	10	1-	324.777	2-	172.123	DF=1
13A 0m	GE01	140	10	3-	310.586	4-	166.089	DF=1
19B 0m	SC-04	140	10	5-	87.801	6-	47.272	DF=1
11B 5m	41	140	10	7-	316.336	8-	166.032	DF=1
3A 5m	41		10	1-	21.608	2-	13.307	DF=1
7A 0m	SC-04		10	3-	16.842	4-	9.663	DF=1
6A 5m	GE01	140	10	5-	42.085	6-	23.805	DF=1
2B 0m	41		10	7-	93.15	8-	5.694	DF=1
3B 5m	41		10	1-	12.417	2-	7.625	DF=1
5A 0m	GE01	120	10	3-	57.020	4-	31.248	DF=1
2A 0m	41		10	5-	9.257	6-	5.599	DF=1
6B 5m	GE01	140	10	7-	32.359	8-	17.983	DF=1
7B 0m	SC-04		10	1-	19.541		11.186	DF=1
8A 5m	SC-04		10	3-	19.307		11.739	DF=1
8B 5m	SC-04		10	5-	23.720		13.640	DF=1
Stand-by				1-	0.006			
Std	Low			2-	11.901			
Std	High			4-	64.403			
Blank	by			6-	0.028	8-	0.026	
5B 0m	GE01	120	10	7	74.750		40.988	DF=1

16
CHL
HaliBank
5 m
2017-07
Bot 1
B

200
CHL
SC-04
5 m
2017-07
Bot 1
140mL

19 A
CHL
41
5 m
2017-07
Bot 1
140mL

15
CHL
HaliBank
0 m
2017-07
Bot 2
B

19A
CHL
SC-04
0 m
2017-07
Bot 2
140mL

15
CHL
HaliBank
0 m
2017-07
Bot 2
A

13B
CHL
GEO1
0 m
2017-07
Bot 2
140mL

14B
CHL
GEO1
5 m
2017-07
Bot 1
140mL

20A
CHL
SC-04
5 m
2017-07
Bot 1
140mL

10B
CHL
41
0 m
2017-07
Bot 2
140mL

10A
CHL
41
0 m
2017-07
Bot 2
140mL

14A
CHL
GEO1
5 m
2017-07
Bot 1
140mL

16
CHL
HaliBank
5 m
2017-07
Bot 1
A

13A
CHL
GEO1
0 m
2017-07
Bot 2
140mL

19B
CHL
SC-04
0 m
2017-07
Bot 2
140mL

14B
CHL
41
5 m
2017-07
Bot 1
140mL

3
CHL
41
5 m
2017-07
Bot 1
A

1
CHL
SC-04
0 m
2017-07
Bot 2
7A

U
CHL
GEO1
5 m
2017-07
Bot 1
6A

2
CHL
41
0 m
2017-07
Bot 2
B

3
CHL
41
5 m
2017-07
Bot 1
B

120m
CHL
GEO1
0 m
2017-07
Bot 2
5A

1
CHL
41
0 m
2017-07
Bot 2
A

U
CHL
GEO1
5 m
2017-07
Bot 1
6B

CHL
SC-04
0 m
2017-07
Bot 2
7B

CHL
SC-04
5 m
2017-07
Bot 1
8A

CHL
SC-04
5 m
2017-07
Bot 1
8B

1
CHL
GEO1
0 m
2017-07
Bot 2
5B

20 ml

Chlorophyll Data Sheet

Cruise: 2017-07

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Dates of Cruise:

Time and date acetone added: 2pm 17 Aug 2017 Analyst: MH + SM

Time and date out of freezer: 12pm 18 Aug 2017

Time analysis started: 1pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.026			
STD			LOW	2-	11.186			
STD			HIGH	4-	60.331			
Blank				6-	-0.000	8-	-0.003	
47B	GEO1	70ml	10	1-	19.636	2-	10.827	no DF
45A	Halibut Bank	70ml		3-	48.397	4-	27.191	
44A	↓	70ml		5-	19.223	6-	10.96	
41A	- still	70ml		7-	11.777	8-	7.023	
45B	Halibut	70ml		1-	49.387	2-	27.958	
46A	GEO1	70ml		3-	25.9	4-	14.338	3 not clicked on machine
39B	- sc-04	70ml		5-	107.085	6-	58.494	
47A	GEO1	70ml		7-	19.644	8-	11.044	
44B	Halibut			1-	21.235	2-	12.053	
42B	- still			3-	22.596	4-	13.225	
46B	GEO1			5-	24.936	6-	13.968	
42A	- still			7-	23.745	8-	13.993	
39A	- sc-04			1-	117.828	2-	63.326	
41B	- still			3-	11.405	4-	6.95	↓
				5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Stand-by				1-	-0.025			
Std	Low			2-	11.176			
Std	High			4-	60.41			
Blank	by			6-	0.013	8-	0.013	

47B CHL GEO1 5m 2017-07 Bot 1	#45A Halibut Bank 2017-07 5m	#44A Halibut Bank 2017-07 0m	#41A Chl 2017-07 0m	#45B Halibut Bank 2017-07 5m	46A CHL GEO1 0 m 2017-07 Bot 2	39b chl 5m 2017-07	47A CHL GEO1 5 m 2017-07 Bot 1	#44B Halibut Bank 2017-07 0m	#42B Chl 2017-07 5m	46B CHL GEO1 0 m 2017-07 Bot 2
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#42A chl 2017-07 5m	39a chl 5m 2017-07	#41B chl 2017-07 0m
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20 mL

Chlorophyll Data Sheet

Cruise: 2017-07

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Dates of Cruise:

Time and date acetone added: 2 pm Aug 21, 2017 Analyst: MH + SM

Time and date out of freezer: 12 pm 22 Aug 2017

Time analysis started: 1 pm

56A

33A

21A

35A

25A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.226			
STD			HIGH	4-	61.223			
Blank				6-	0.009	8-	0.007	
60A	Halibut	280	10	1-	259.291	2-	144.596	no DF
64A	SC04	306 140	10	3-	103.73	4-	54.962	
53A	41	140	10	5-	34.962	6-	19.04	
55A	- GEOI	306 280	10	7-	79.464	8-	42.877	
57A	11	280	10	1-	98.164	2-	54.02	
56A	- GEOI	306 280	20	3-	103.44	4-	58.742	
63A	SC04	306 140	10	5-	191.785	6-	100.719	
58A	11	280	10	7-	97.256	8-	52.954	
61A	Halibut	280	10	1-	120.282	2-	64.888	
52A	41	140	10	3-	2.7	4-	1.582	
30A	11	130	10	5-	29.949	6-	17.63	
34A	HB	140	10	7-	24.961	8-	15.117	
33A	28	306 140	20	1-	36.503	2-	19.18	
21A	41	45	20	3-	0.7	4-	0.468	
35A	HB	140	20	5-	85.387	6-	45.24	
32A	28	306 140	20	7-	29.496	8-	17.576	
37A	SC04	140	10	1-	50.125	2-	29.598	
25A	GEOI	140	20	3-	118.706	4-	67.592	
26A	GEOI	140	10	5-	69.673	6-	39.364	
22A	41	140		7-	9.003	8-	5.642	
29A	11	140		1-	62.144	2-	36.145	
36A	5604	140		3-	80.094	4-	45.386	
49A	- 41	306 70 mL		5-	23.613	6-	13.639	
50A	- 41	306 70 mL		7-	28.625	8-	17.106	v
Stand-by				1-	-0.024			
Std	Low			2-	11.181			
Std	High			4-	60.616			
Blank	by			6-	-0.003	8-	-0.004	

60 A CHL Halibut 2017-07 17 Aug 5m	64 A CHL SC04 18 Aug 2017-07 5m	53 A CHL STN 41 2017-07 14 Aug 0m	55 A CHL 2017-07 15 Aug 0m	57 A CHL 2017-07 16 Aug 5m	56 A CHL 2017-07 15 Aug 5m	63 A CHL SC04 18 Aug 2017-07 0m	58 A CHL 2017-07 16 Aug STN 11 0m	61 A CHL Halibut 2017-07 17 Aug 0m	52 A CHL STN 41 2017-07 14 Aug 5m	130 CHL A GEO1 11 0 m 2017-07 Bot 2
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34 CHL HB 5m 2017-07 140ml A	133 CHL 1128 0 m 2017-07 Bot 2 A	2 A CHL GEO1 41 0 m 2017-07 Bot 2 45ml	35 CHL HB 0 m 2017-07 Bot 2 140ml	32 CHL 28 0 m 2017-07 Bot 1 A	37 CHL GEO1 5 m 2017-07 Bot 1 A	25 CHL GEO1 5 m 2017-07 Bot 1 A	26 CHL GEO1 0 m 2017-07 Bot 2 A	22 CHL A GEO1 41 5 m 2017-07 Bot 1 140ml	29 CHL 11 5 m 2017-07 Bot 1	36 CHL 11 5 m 2017-07 Bot 1 140ml
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49A CHL 2017-07 0m	SDA CHL 2017-07 5m
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20ml

Chlorophyll Data Sheet

Cruise: 2017-07

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Dates of Cruise:

Time and date acetone added: 12pm 22 Aug 2017 Analyst: SM-MH

Time and date out of freezer: 10am 23 Aug 2017

Time analysis started: 11am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.021			
STD			LOW	2-	11.335			
STD			HIGH	4-	62.090			
Blank				6-	0.003	8-	0.002	
22B	41	140	10	1-	8.478	2-	5.350	NO DF
50B	-	70 300	10	3-	26.808	4-	15.543	
32B	28	140 300	1	5-	29.472	6-	17.274	
30B	11	140 300		7-	25.923	8-	15.148	
34B	4B	140		1-	18.304	2-	11.261	
36B	SC04	140		3-	65.176	4-	36.930	
64B	SC04	140 300		5-	152.463	6-	81.549	
25B	GE01	140		7-	202.997	8-	115.124	
52B	41	140		1-	32.005	2-	17.938	
58B	11	280		3-	93.115	4-	50.220	
21B	4	50		5-	2.017	6-	1.495	
33B	28	140 300		7-	69.152	8-	36.482	
38B	-	70 300		1-	162.233	2-	85.607	
103B	SC04	140 300		3-	169.322	4-	89.279	
38A	-	270		5-	160.843	6-	84.766	
29B	11	140		7-	49.326	8-	29.046	
57B	11	280		1-	108.831	2-	59.617	
49B	-	300 70		3-	23.536	4-	13.489	
55B	-	280 300		5-	78.622	6-	42.570	
26B	GE01	140		7-	60.927	8-	34.544	
50B	-	280 300		1-	158.072	2-	91.800	
53B	41	140		3-	31.348	4-	17.327	
37B	SC04	140		5-	46.154	6-	27.748	
61B	Halibut	280	↓	7-	103.995	8-	56.730	↓
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

[illegible]

20 ml
60 B

Chlorophyll Data Sheet

Cruise: 2017-07

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Dates of Cruise:

Time and date acetone added: 22 Aug 2017, 2pm Analyst: MP & SM

Time and date out of freezer: 12pm 23 Aug 2017

Time analysis started: 1pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.064			
STD			HIGH	4-	60.84			
Blank				6-	0.032	8-	0.03	
35B	Halibank	140	10	1-	144.082	2-	76.681	no DF
60B	Halibut	280	20	3-	103.324	4-	57.937	↓
				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-		
Stand-by				1-	-0.015			
Std	Low			2-	11.137			
Std	High			4-	60.563			
Blank	by			6-	0.006	8-	0.005	

135 60 B

CHL: B CHL

HaliBank HaliBank

0 m 2017-07

2017-07 17 Aug

Bot 2 5m

140ml