

July moonings

20ml

Chlorophyll Data Sheet

Cruise: 2017-23

Page: 1 of 1

Dates of Cruise:

Time and date acetone added: 2pm 25 July 2017 Analyst: SM+MH

Time and date out of freezer: 12pm 26 July 2017

Time analysis started: 1pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.239			
STD			HIGH	4-	61.231			
Blank				6-	-0.016	8-	-0.016	
300B	MS8	306	10	1-	25.398	2-	14.829	NO DF
230B	JPS4		10	3-	32.104	4-	17.597	
239A	JPS1		10	5-	129.255	6-	72.4104	
238A	JPS1		10	7-	101.703	8-	56.581	
979B	JPS4		10	1-	36.218	2-	20.050	
257B	MSH	306	-	3-	-	4-	-	NO ACETONE
				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-	-0.026			
Std	Low			2-	11.147			
Std	High			4-	60.962			
Blank	by			6-	-0.022	8-	-0.019	

300	230 B	239 A	238 A	229 B	257 B
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
MS8	JPS4	JPS1	JPS1	JPS4	MS4
2017-23	2017-23	2017-23	2017-23	2017-23	2017-23
Bot 21	Bot 14	Bot 9	Bot 8 Bot 13	Bot 14	Bot 14

Chlorophyll Data Sheet

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Cruise: 2017-23

Dates of Cruise:

Time and date acetone added: 2pm 19 July, 2017

Analyst: SM+MH

Time and date out of freezer: 12pm 20 July, 2017

Time analysis started: 1pm

20ml
- 19B
- 32B
- 33A
- 42A
- 34B
- 21B
- 20B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	- 0.026			
STD			LOW	2-	11.237			
STD			HIGH	4-	60.751			
Blank				6-	- 0.022	8-	- 0.022	
19A	QCS1	306	10	1-	107.045	2-	63.061	no DF
40B	CPE1		10	3-	125.541	4-	73.638	
96A	Scotts2		10	5-	35.916	6-	21.277	
150B	C14		10	7-	22.019	8-	12.618	
205A	MS1		10	1-	16.376	2-	9.209	
20B	QCS1		20	3-	49.787	4-	28.793	
40A	CPE1		10	5-	128.366	6-	75.145	
97B	Scotts2		10	7-	15.539	8-	8.855	
21B	QCS1		20	1-	156.442	2-	84.906	
104A	MS1		10	3-	26.124	4-	15.379	
34B	QCS4		20	5-	172.096	6-	92.56	
42A	CPE1		20	7-	165.968	8-	88.222	diluted 2X
71B	CS06		10	1-	13.038	2-	7.497	no DF
80B	CS04		10	3-	17.169	4-	9.624	
118A	C18		10	5-	28.973	6-	17.359	
149A	C14		10	7-	36.09	8-	20.943	
203A	MS1		10	1-	51.789	2-	30.758	
161B	C11		10	3-	9.16	4-	5.167	
33A	QCS4		20	5-	112.505	6-	63.932	
32B	QCS4		20	7-	254.653	8-	139.99	
19B	QCS1		20	1-	56.624	2-	32.765	
178A	HAK1		10	3-	54.678	4-	32.147	
160B	C11		10	5-	13.073	6-	7.34	
119A	C18		10	7-	13.689	8-	7.764	
Stand-by				1-	- 0.027			
Std	Low			2-	11.23			
Std	High			4-	60.449			
Blank	by			6-	- 0.016	8-	- 0.018	

[illegible]

20ml
12A

Chlorophyll Data Sheet

Cruise: 2017-23

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Dates of Cruise:

Time and date acetone added: 10am 24 July 2017 Analyst: SM+MH

Time and date out of freezer: 8am 25 July 2017

Time analysis started: 9 am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.291			
STD			HIGH	4-	61.390			
Blank				6-	-0.019	8-	-0.019	
50A	CS11	306	10	1-	29.201	2-	17.716	No DF
11B	JS1	1	10	3-	54.238	4-	32.547	
52B	CS11		10	5-	28.794	6-	16.149	
12A	JS1		20	7-	101.970	8-	53.846	
61B	CS9		10	1-	48.270	2-	28.414	
51B	CS11			3-	13.879	4-	8.009	
102A	CS9	✓		5-	35.321	6-	21.741	
78B	CS04	304		7-	47.086	8-	27.039	
137A	C16	306		1-	40.956	2-	24.179	
95B	Scott's 2	1		3-	30.624	4-	22.374	
139A	C16	1		5-	17.177	6-	9.771	
138B	C16	✓		7-	39.475	8-	23.514	
160A	C11	304		1-	13.105	2-	7.406	
159A	C11	304		3-	39.065	4-	22.586	
205	MS1	304		5-	16.330	6-	9.156	
180A	HAK1	304		7-	27.746	8-	15.474	
151B	C14	306		1-	11.743	2-	6.589	
1710B	HAK1	304		3-	70.970	4-	74.633	
170A	HAK1	304		5-	69.914	6-	43.392	
212A	JPS7	306		7-	55.223	8-	30.951	
213A	JPS7	1		1-	15.117	2-	14.186	
214A	JPS7	1		3-	20.776	4-	11.474	
301B	MS8	✓	✓	5-	8.391	6-	4.778	
1101A	C11	304	—	7-	—	8-	—	No acetone added
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

[illegible]

20ml
239B
240A

Chlorophyll Data Sheet

Cruise: 2017-23

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Dates of Cruise:

Time and date acetone added: 2pm 24 July 2017 Analyst: MH+SM

Time and date out of freezer: 12pm 25 July 2017

Time analysis started: 1pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.027			
STD			LOW	2-	11.078			
STD			HIGH	4-	60.774			
Blank				6-	-0.022	8-	-0.024	
302A	MSB	306	10	1-	8.302	2-	4.709	no DF
256B	MS4		10	3-	12.333	4-	7.232	
278B	MS6		10	5-	11.664	6-	6.716	
179A	MS6		10	7-	12.116	8-	6.947	
255A	MS4		10	1-	21.334	2-	12.93	
277B	MS6		10	3-	21.356	4-	12.57	
228B	JPS4		10	5-	71.655	6-	41.172	
229A	JPS4		10	7-	36.308	8-	20.057	
239B	JPS1		20	1-	67.151	2-	37.566	
238B	JPS1		10	3-	112.164	4-	62.941	
240A	JPS1		20	5-	67.323	6-	38.353	
277A	MS6		10	7-	21.025	8-	12.295	
255B	MS4		10	1-	21.547	2-	12.962	
256A	MS4		10	3-	11.716	4-	6.872	
257A	MS4		10	5-	9.748	6-	5.722	
278A	MS6		10	7-	12.043	8-	6.972	
213B	JPS7	✓	10	1-	23.763	2-	13.247	
159B	CI1	304		3-	38.03	4-	23.002	
139B	CI6	306		5-	17.032	6-	9.763	
212B	JPS7			7-	53.006	8-	29.962	
302B	MS8			1-	8.294	2-	4.747	
301A	MS8			3-	8.307	4-	4.698	
300A	MS8			5-	26.046	6-	15.472	
279B	MS6	✓	✓	7-	11.723	8-	6.827	✓
Stand-by				1-	-0.026			
Std	Low			2-	11.211			
Std	High			4-	60.224			
Blank	by			6-	-0.018	8-	-0.02	

302 Ch1 MS8 2017-23 Bot 23	256 B Ch1 MS4 2017-23 Bot 13	278 B Ch1 MS6 2017-23 Bot 19	279 A Ch1 MS6 2017-23 Bot 20	255 A Ch1 MS4 2017-23 Bot 12	277 B Ch1 MS6 2017-23 Bot 18	228 B Ch1 JPS4 2017-23 Bot 12	229 A Ch1 JPS4 2017-23 Bot 13	239 B Ch1 JPS1 2017-23 Bot 9	238 B Ch1 JPS1 2017-23 Bot 8	240 A Ch1 JPS1 2017-23 Bot 10
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277 A Ch1 MS6 2017-23 Bot 18	255 B Ch1 MS4 2017-23 Bot 12	256 A Ch1 MS4 2017-23 Bot 13	257 A Ch1 MS4 2017-23 Bot 14	278 A Ch1 MS6 2017-23 Bot 19	213 B Ch1 JPS7 2017-23 Bot 8	159 <i>304ml</i> Ch1 CI1 2017-23 Bot 8	139 Ch1 CI6 B 2017-23 Bot 18	212 B Ch1 JPS7 2017-23 Bot 7	301 Ch1 MS8 2017-23 Bot 22	302 Ch1 MS8 2017-23 Bot 23
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300 300 Ch1 MS8 2017-23 Bot 21 A	279 B Ch1 MS6 2017-23 Bot 20
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Chlorophyll Data Sheet

Cruise: 2017-23

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Dates of Cruise:

Time and date acetone added: 10 am 20 July 2017 Analyst: MH + SM

Time and date out of freezer: 8 am 21 July 2017

Time analysis started: 9 am

20ml
-41A -33B
-41B
-240B
-203B
-42B
-21A
-34A
-13A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.026			
STD			LOW	2-	11.285			
STD			HIGH	4-	61.189			
Blank				6-	-0.020	8-	-0.022	
79B	CS04	304	10	1-	10.561	2-	10.359	No DF
63A	CS9	306	10	3-	14.292	4-	8.110	
51A	CS11		10	5-	15.078	6-	8.735	
33B	QCS4		20	7-	154.627	8-	88.481	
13A	JS1		20	1-	240.539	2-	127.021	
34A	QCS4		20	3-	121.713	4-	73.991	↓
21A	QCS1		20	5-	161.908	6-	87.057	DF by 2X
42B	CPEI		20	7-	194.460	8-	103.441	No DF
69B	CS06		10	1-	56.433	2-	34.227	
119B	CI8		10	3-	12.670	4-	1.285	
80A	CS04	304	10	5-	16.6666	6-	9.264	
149B	CI4	306	10	7-	36.283	8-	20.1650	
230A	JPS4	✓	10	1-	29.6666	2-	14.877	
203B	MS1	304	20	3-	26.542	4-	15.488	
228A	JPS4	330	10	5-	78.004	6-	44.558	
240B	JPS1	✓	20	7-	70.355	8-	39.7167	
178B	HAK1	304	10	1-	48.340	2-	28.601	
150A	CS4	306	10	3-	22.202	4-	12.725	
151A	CS4		10	5-	11.867	6-	6.629	
41B	CPEI		20	7-	88.883	8-	49.573	
70A	CS06		10	1-	17.108	2-	9.970	
41A	CPEI	↓	20	3-	95.795	4-	52.875	
186B	HAK1	304	10	5-	28.400	6-	16.010	
117B	CI8	306	10	7-	30.705	8-	17.427	↓
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

[illegible]

20ml
32A
12B
13B

Chlorophyll Data Sheet

Cruise: 2017-23

Page: 1 of 1

Dates of Cruise:

Time and date acetone added: 2pm 20 July 2017 Analyst: SM+MH

Time and date out of freezer: 12:30pm 21 July 2017

Time analysis started: 1:30pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.027			
STD			LOW	2-	11.187			
STD			HIGH	4-	60.725			
Blank				6-	-0.019	8-	-0.021	
13B	JS1	306	20	1-	217.37	2-	115.42	No DF
12B	JS1		20	3-	132.866	4-	71.162	
117A	C18		10	5-	32.644	6-	19.187	
32A	QCS4		20	7-	228.114	8-	125.823	
70A	CS06		10	1-	16.688	2-	9.648	
20A	QSC1		10	3-	110.89	4-	63.883	
52A	CS11		10	5-	26.591	6-	15.052	
69A	CS06			7-	59.373	8-	35.978	
79A	CS04	304		1-	18.961	2-	10.653	
78A	CS04	304		3-	43.94	4-	25.001	
71A	CS06	306		5-	12.225	6-	7.002	
63B	CS9			7-	13.865	8-	7.896	
62B	CS9			1-	32.272	2-	18.976	
61A	CS9			3-	51.32	4-	30.517	
50B	CS11			5-	28.607	6-	17.456	
11A	JS1			7-	50.516	8-	29.729	
118B	C18			1-	26.558	2-	15.984	
137B	C16			3-	44.202	4-	26.225	
204B	MS1	304		5-	25.207	6-	14.719	
214B	JPS7	306		7-	22.221	8-	12.266	
138A	C16	296		1-	37.923	2-	22.839	10ml spill No DF
96B	Scotts2			3-	36.2	4-	21.374	
97A	Scotts2			5-	16.6	6-	9.484	
95A	Scotts2			7-	35.575	8-	21.655	
Stand-by				1-	-0.026			
Std	Low			2-	11.199			
Std	High			4-	60.527			
Blank	by			6-	-0.02	8-	-0.021	

