

20ml
505B

Chlorophyll Data Sheet

Cruise: 2017-36

Page: 1 of 2

Dates of Cruise:

Time and date acetone added: 10am 15 Aug 2017 Analyst: SM+MH

Time and date out of freezer: 8am 16 Aug 2017

Time analysis started: 9am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	70.025			
STD			LOW	2-	11.289			
STD			HIGH	4-	60.925			
Blank				6-	0.006	8-	0.008	
483B	D508	300	10	1-	4.092	2-	8.071	NO DR=
482B	D508			3-	50.578	4-	30.575	
4100B	D513			5-	11.717	6-	6.808	
459B	D513			7-	16.740	8-	9.570	
484B	D508			1-	13.132	2-	7.544	
505B	D507		20	3-	32.207	4-	18.734	
500A	D507		10	5-	15.056	6-	9.150	
507A	D507		10	7-	14.563	8-	8.405	
				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-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

483 B

Ch1

DS08

2017-36

Bot 23

482 B

Ch1

DS08

2017-36

Bot 22

460 B

Ch1

DS10

2017-36

Bot 24

459 B

Ch1

DS13

2017-36

Bot 23

484 B

Ch1

DS08

2017-36

Bot 24

505 B

Ch1

DS07

2017-36

Bot 24

506 A

Ch1

DS07

2017-36

Bot 22

507 A

Ch1

DS07

2017-36

Bot 23

Chlorophyll Data Sheet

Cruise: 2017-36

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Dates of Cruise:

Time and date acetone added: 2pm 15 Aug 2017

Analyst: SM+MH

Time and date out of freezer:

Time analysis started:

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.219			
STD			HIGH	4-	60.783			
Blank				6-	-0.000	8-	-0.003	
278A	US27	306	10	1-	32.689	2-	17.062	no DF
279A	US27			3-	14.225	4-	7.65	
280A	US27			5-	15.806	6-	8.529	
301A	CS01			7-	34.592	8-	17.969	
302B	CS01			1-	7.031	2-	3.84	
303B	CS01			3-	6.708	4-	3.638	
325A	CS02			5-	7.733	6-	4.257	
324A	CS02			7-	7.097	8-	3.9	
323A	CS02			1-	26.279	2-	14.08	
346A	CS03			3-	77.18	4-	41.556	
347A	CS03			5-	9.456	6-	5.198	
348A	CS03			7-	7.474	8-	4.098	
368B	DS05			1-	36.622	2-	22.506	
369B	DS05			3-	12.091	4-	6.949	
410A	DS03			5-	50.545	6-	31.138	
390B	DS04			7-	10.259	8-	5.904	
389B	DS04			1-	12.755	2-	7.305	
388B	DS04			3-	26.225	4-	15.895	
370A	DS05			5-	10.145	6-	5.747	
411A	DS03			7-	15.563	8-	9.025	
412A	DS03			1-	9.471	2-	5.43	
434A	DS01			3-	12.115	4-	7.142	
435A	DS01			5-	11.63	6-	6.877	
436A	DS01	↓	↓	7-	12.474	8-	7.32	↓
Stand-by				1-	-0.026			
Std	Low			2-	11.142			
Std	High			4-	59.973			
Blank	by			6-	0.000	8-	-0.001	

278 Chl A	279 Chl A	280 Chl A	301 Chl A	302 Chl B	303 Chl B	325 Chl A	324 Chl A	323 Chl A	346 Chl A	347 Chl A
US27	US27	US27	CS01	CS01	CS01	CS02	CS02	CS02	CS03	CS03
2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36
Bot 22	Bot 23	Bot 24	Bot 21	Bot 22	Bot 23	Bot 22	Bot 21	Bot 20	Bot 21	Bot 22

348 Chl A	368 Chl B	369 Chl B	410 Chl A	390 Chl B	389 Chl B	388 Chl B	370 Chl A	411 Chl A	412 Chl A	434 Chl A
CS03	DS05	DS05	DS03	DS04	DS04	DS04	DS05	DS03	DS03	DS01
2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36
Bot 23	Bot 20	Bot 21	Bot 20	Bot 20	Bot 19	Bot 18	Bot 22	Bot 21	Bot 22	Bot 22

435 Chl A	436 Chl A
DS01	DS01
2017-36	2017-36
Bot 23	Bot 24

Chlorophyll Data Sheet

Cruise: 2017-36

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Dates of Cruise:

Time and date acetone added: 12pm 16 Aug 2017 Analyst: SM+MH

Time and date out of freezer: 10am 17 Aug 2017

Time analysis started: *None*

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.296			
STD			HIGH	4-	66.080			
Blank				6-	0.025	8-	0.023	
323B	CS02	306	10	1-	28.296	2-	15.135	No OF
324B	346B	CS03		3-	7.366	4-	4.110	
346B	347B	CS03		5-	82.264	6-	44.545	
347B	348B	CS03		7-	9.924	8-	5.486	
348B	483A	DS08		1-	7.802	2-	4.281	
483A	436B	DS01		3-	14.647	4-	8.447	
436B	388A	DS04		5-	12.537	6-	7.279	
388A	482A	DS08		7-	28.015	8-	16.936	
482A	435B	DS01		1-	51.985	2-	31.969	
435B	507B	DS07		3-	12.326	4-	7.183	
507B	506B	DS07		5-	14.956	6-	8.837	
506B	4160A	DS13		7-	16.162	8-	9.410	
4160A	434B	DS01		1-	12.688	2-	10.969	
434B	370B	DS05		3-	13.215	4-	7.662	
370B	389A	DS04		5-	10.506	6-	6.020	
389A	412B	DS03		7-	13.684	8-	7.517	
412B	459A	DS13		1-	10.648	2-	5.807	
459A	390A	DS04		3-	16.939	4-	10.686	
390A	484A	DS08		5-	10.893	6-	6.217	
484A	458B	DS13		7-	13.329	8-	7.709	
458B	458A	DS03		1-	27.102	2-	16.159	
458A	411B	DS03		3-	27.610	4-	16.252	
411B	410B	DS03		5-	16.663	6-	9.636	
410B				7-	53.745	8-	33.667	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

323 Ch1 B CS02 2017-36 Bot 20	346 Ch1 B CS03 2017-36 Bot 21	347 Ch1 B CS03 2017-36 Bot 22	348 Ch1 B CS03 2017-36 Bot 23	483 A Ch1 DS08 2017-36 Bot 23	436 B Ch1 DS01 2017-36 Bot 24	388 A Ch1 DS04 2017-36 Bot 18	482 A Ch1 DS08 2017-36 Bot 22	435 B Ch1 DS01 2017-36 Bot 23	507 B Ch1 DS07 2017-36 Bot 23	506 B Ch1 DS07 2017-36 Bot 22
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460 A Ch1 DS13 2017-36 Bot 24	434 B Ch1 DS01 2017-36 Bot 22	370 B Ch1 DS05 2017-36 Bot 22	389 A B Ch1 DS04 2017-36 Bot 19	412 Ch1 DS03 2017-36 Bot 22	459 A A Ch1 DS13 2017-36 Bot 23	390 Ch1 DS04 2017-36 Bot 20	484 A Ch1 DS08 2017-36 Bot 24	458 B Ch1 DS13 2017-36 Bot 22	458 A Ch1 DS13 2017-36 Bot 22	411 B Ch1 DS03 2017-36 Bot 21
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B 410
Ch1
DS03
2017-36
Bot 20

*328 B label was not stuck here
CS02*

20ml
185B

Chlorophyll Data Sheet

Cruise: 2017-36

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Dates of Cruise:

Time and date acetone added: 2 pm August 16, 2017 Analyst: MH + SM

Time and date out of freezer: 12pm 17 Aug 2017

Time analysis started: 1pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.027			
STD			LOW	2-	11.11			
STD			HIGH	4-	60.893			
Blank				6-	0.037	8-		
368A	DS05	306	10	1-	45.263	2-	27.554	no DF
369A	DS05		10	3-	12.697	4-	7.164	
303A	CS01		10	5-	7.165	6-	3.884	
302A	CS01		10	7-	7.257	8-	3.965	
325B	CS02		10	1-	7.348	2-	4.058	
301B	CS01		10	3-	35.298	4-	18.833	
279B	US27		10	5-	14.863	6-	8.133	
280 286B	US27		10	7-	15.714	8-	8.44	
278B	US27		10	1-	33.977	2-	16.443	
254A	US29		10	3-	60.244	4-	33.388	
254B	US29		10	5-	59.739	6-	33.131	
256A	US29		10	7-	7.665	8-	4.172	
255B	US29		10	1-	9.764	2-	5.327	
233A	US31		10	3-	7.593	4-	4.103	
232B	US31		10	5-	8.889	6-	4.801	
231B	US31		10	7-	84.436	8-	47.373	
163	US35		10	1-	8.636	2-	4.66	
185B	US37		20	3-	37.548	4-	20.056	
211B	US39		10	5-	12.945	6-	7.077	
210A	US39		10	7-	12.494	8-	6.873	
209B	US39		10	1-	17.775	2-	9.761	
187A	US37		10	3-	7.008	4-	3.818	
186A	US37		10	5-	8.738	6-	4.842	
233B	US31		10	7-	7.863	8-	4.271	
Stand-by				1-	-0.026			
Std	Low			2-	11.164			
Std	High			4-	60.842			
Blank	by			6-	0.025	8-	0.024	

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20ml

Chlorophyll Data Sheet

Cruise: 2017-36

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Dates of Cruise:

Time and date acetone added: 10am 17 Aug 2017 Analyst: SM+MH

Time and date out of freezer: 8am 18 Aug 2017

Time analysis started: 9am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.022			
STD			LOW	2-	11.396			
STD			HIGH	4-	62.234			
Blank				6-	0.014	8-	0.011	
256B	US29	306	10	1-	9.609	2-	5.243	NO DF
211A	US39			3-	12.686	4-	6.907	
231A	US31			5-	83.879	6-	46.183	
255A	US29			7-	9.565	8-	5.193	
232A	US31			1-	8.609	2-	4.805	
210B	US39			3-	13.027	4-	7.096	
187B	US37			5-	7.347	6-	4.1049	
209A	US39			7-	19.631	8-	10.635	
186B	US37			1-	8.749	2-	4.899	
185A	US37			3-	84.805	4-	45.062	
102	US35			5-	9.185	6-	4.968	
1103A	US35			7-	9.151	8-	4.969	
1101B	US35			1-	21.960	2-	11.702	
142B	US53			3-	20.195	4-	10.801	
110A	US51			5-	54.320	6-	27.035	
117A	US51			7-	27.399	8-	14.391	
118A	US51			1-	20.049	2-	10.745	
140A	US53			3-	49.197	4-	26.286	
141A	US53			5-	20.098	6-	10.841	
95A	US49			7-	21.310	8-	11.416	
94A	US49			1-	23.723	2-	12.557	
93A	US49			3-	49.539	4-	27.415	
74A	US47			5-	20.434	6-	10.823	
23A	US47	✓	✓	7-	19.708	8-	10.581	✓
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

256 B	211 A	231	255 A	232 A	210 B	187 B	209 A	186 B	185 A	162
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
US29	US39	US31	US29	US31	US39	US37	US39	US37	US37	US35
2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36
Bot 23	Bot 24	Bot 20 A	Bot 22	Bot 21	Bot 23	Bot 24	Bot 22	Bot 23	Bot 22	Bot 20 B

163	161	142	116	117	118	140	141	95	94	93
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
US35	US35	US53	US51	US51	US51	US53	US53	US49	US49	US49
2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36	2017-36
Bot 21 A	Bot 19 B	Bot 24 B	Bot 21 A	Bot 22 A	Bot 23 A	Bot 22 A	Bot 23 A	Bot 21 A	Bot 20 A	Bot 19 A

74	73
Ch1	Ch1
US47	US47
2017-36	2017-36
Bot 19 A	Bot 18 A

Chlorophyll Data Sheet

Cruise: 2017-36

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20 mL
9B
10B
11B

Dates of Cruise:

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

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

Time analysis started: 1 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.026			
STD			LOW	2-	11.2			
STD			HIGH	4-	60.757			
Blank				6-	-0.000	8-	-0.003	
34B	US42	306	10	1-	47.463	2-	26.248	no DF
33B	US42		10	3-	60.652	4-	34.084	
11B	SI-TEST		20	5-	279.487	6-	153.363	✓
10B	SI-TEST		20	7-	215.537	8-	121.625	DF by 2X
9B	SI-TEST		20	1-	153.964	2-	81.38	NO DF
35A	US42		10	3-	27.416	4-	18.805	
53A	US45		10	5-	49.754	6-	28.057	ignore first 376
77A	US47		10	7-	72.797	8-	39.771	
54A	US45		10	1-	29.82	2-	15.471	
55A	US45	↓	10	3-	22.673	4-	12.272	↓
				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-	11.186			
Std	High			4-	60.331			
Blank	by			6-	-0.000	8-		

34 Ch1 US42 2017-36 Bot 23B	33 Ch1 US42 2017-36 Bot 22B	11B CHL SI TEST 2017-36 Bot 11	10B CHL SI TEST 2017-36 Bot 10	9B CHL SI TEST 2017-36 Bot 9	35 Ch1 US42 2017-36 Bot 24A	53 Ch1 US45 2017-36 Bot 18A	72 Ch1 US47 2017-36 Bot 17A	54 Ch1 US45 2017-36 Bot 19A	55 Ch1 US45 2017-36 Bot 20A
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Chlorophyll Data Sheet

20ml

10A

11A

Cruise: 2017-36

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Dates of Cruise:

Time and date acetone added: 10am 21 Aug 2017 Analyst: SM+MH

Time and date out of freezer: 8am 22 Aug 2017

Time analysis started: 9am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.025			
STD			LOW	2-	11.258			
STD			HIGH	4-	61.106			
Blank				6-	0.000	8-	-0.000	
9A	Si-TEST	30%	10	1-	199.050	2-	104.711	2x DF
35B	US42		10	3-	28.173	4-	15.1105	NO DF
10A	Si-TEST		20	5-	209.301	6-	145.037	2x DF
33A	US42		10	7-	57.578	8-	32.632	NO DF
11A	Si-TEST		20	1-	253.250	2-	141.480	
34A	US42		10	3-	45.451	4-	24.797	
55B	US45			5-	21.781	6-	11.799	
54B	US45			7-	31.124	8-	16.716	
17B	US41			1-	24.714	2-	13.315	
101A	US35			3-	21.007	4-	11.211	
53B	US45			5-	51.175	6-	29.062	
74B	US47			7-	19.242	8-	10.308	
73B	US47			1-	18.217	2-	9.810	
110B	US51			3-	19.883	4-	26.903	
142A	US53			5-	19.310	6-	10.361	
72B	US47			7-	64.918	8-	35.221	(182 in comp)
95B	US49			1-	20.140	2-	10.765	
141B	US53			3-	18.994	4-	10.200	
93B	US49			5-	47.851	6-	26.747	
94B	US49			7-	23.246	8-	12.561	
140B	US53			1-	47.412	2-	25.546	
118B	US51			3-	20.109	4-	10.804	
102A	US35	✓	✓	5-	9.149	6-	4.999	
				7-		8-		
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

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