

Veetor
Chandler

Chlorophyll Data Sheet

Cruise: 2018-05

Page: 1 of 3

90% acetone prepared
23 Feb 18 ~50%

Dates of Cruise:

Time and date acetone added: 11:07 am 27 Feb 18

Analyst: Tamara

Sigma
+ ~50%

Time and date out of freezer: 9:06 am 28 Feb 18

Fisher
ultima

Time analysis started: 9:58 am 28 Feb 18

-both spec grade

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.017			
STD			LOW	2-	10.716			
STD			HIGH	4-	58.330			
Blank				6-	-0.022	8- + acid	-0.020	
		304	10					
306A	Ind 0			1-	8.068	2-	5.032	
303	Ind 0			3-	7.461	4-	5.931	
299	Van 7			5-	22.518	6-	13.860	
281	Ind 4			7-	5.044	8-	3.671	
292	Ind 2			1-	4.199	2-	2.983	
280A	Ind 4			3-	3.669	4-	2.655	
293	Ind 2			5-	5.207	6-	3.639	
46	46			7-	11.614	8-	7.463	
297	Van 7			1-	9.446	2-	6.886	
7	Stn SI			3-	14.005	4-	8.825	
9	Stn SI			5-	30.877	6-	18.559	
21	59			7-	13.950	8-	9.755	
23	59			1-	13.667	2-	9.439	
35B	56			3-	14.495	4-	10.711	
34	56			5-	12.265	6-	8.602	
47	46			7-	11.357	8-	7.303	
63B	42			1-	21.184	2-	13.438	
62	42			3-	16.393	4-	10.410	
65	42			5-	27.671	6-	16.872	
82A	39			7-	33.951	8-	19.826	
80	39			1-	30.626	2-	18.888	
79	39			3-	23.085	4-	14.535	
84B	GEO I			5-	20.677	6-	12.701	
85	GEO I			7-	29.190	8-	18.134	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

300 A	303	299	291	292	280 A	293	46
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Ind0	Ind0	Van7	Ind4	Ind2	Ind4	Ind2	Stn 46
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 6	Bot 3	Bot 4	Bot 12	Bot 8	Bot 11	Bot 9	Bot 9

297	7	9	21	23	35	34	47
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Van7	Stn SI	Stn SI	Stn 59	Stn 59	Stn 56	Stn 56	Stn 46
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 2	Bot 7 A	Bot 9	Bot 12	Bot 14	Bot 12 B	Bot 11	Bot 10

63 B	62	65	82 A	80	79	84 B	85
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn 42	Stn 42	Stn 42	Stn 39	Stn 39	Stn 39	Stn GEO1	Stn GEO1
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 14	Bot 13	Bot 16	Bot 17	Bot 15	Bot 14	Bot 2	Bot 3

Chlorophyll Data Sheet

Cruise: 2018-05

Page: 2 of 3

Dates of Cruise:

Time and date acetone added: 1320 27 Feb 18

Analyst: Tamara

Time and date out of freezer: 1115 28 Feb 18

Time analysis started: 1220 28 Feb 18

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.020			
STD			LOW	2-	10.710			
STD			HIGH	4-	58.192			
Blank				6-	-0.020	8- +acid	-0.019	
		304	10					
102	27			1-	40.022	2-	21.762	24.087
99A	27			3-	34.334	4-	20.878	
115B	2			5-	20.831	6-	12.943	
114	2			7-	18.547	8-	11.516	
117	2			1-	21.450	2-	12.691	
118A	CPF1			3-	19.304	4-	12.621	
120	CPF1			5-	22.103	6-	13.555	
136	3			7-	19.647	8-	11.948	
135	3			1-	20.109	2-	12.417	
144	BS17			3-	26.364	4-	16.306	
143	BS17			5-	21.789	6-	13.922	
154	6			7-	16.046	8-	10.560	
183	12			1-	33.701	2-	20.038	
182	12			3-	29.044	4-	17.136	
167	9			5-	24.083	6-	15.142	
166B	9			7-	19.636	8-	12.379	
157B	6			1-	23.254	2-	14.538	
201	14			3-	31.594	4-	18.293	18.829
198B	14			5-	13.878	6-	9.046	
204	QU39			7-	20.449	8-	12.306	
203A	QU39			1-	20.359	2-	12.644	
212A	16			3-	16.952	4-	10.503	
249	Van6			5-	10.752	6-	7.127	
226B	Van1			7-	12.573	8-	8.137	(remove 8.110)
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

102	99 A	115 B	114	117	118 A	120	136
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
Stn 27	Stn 27	Stn 2	Stn 2	Stn 2	Stn CPF1	Stn CPF1	Stn 3
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 17	Bot 14	Bot 13	Bot 12	Bot 15	Bot 1	Bot 3	Bot 16

135	144	143	154	183	182	167	166 B
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
Stn 3	Stn BS17	Stn BS17	Stn 6	Stn 12	Stn 12	Stn 9	Stn 9
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 15	Bot 8	Bot 7	Bot 10	Bot 14	Bot 13	Bot 10	Bot 9

157 B	201	198 B	204	203 A	212 A	249	226 B
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
Stn 6	Stn 14	Stn 14	QU39	QU39	Stn 16	Van6	Van1
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 13	Bot 15	Bot 12	Bot 3	Bot 2	Bot 8	Bot 5	Bot 8

Chlorophyll Data Sheet

Cruise: 2018-05

Page: 3 of 3

Dates of Cruise:

Time and date acetone added: 3:40pm 27 Feb 18

Analyst: Tamara

Time and date out of freezer: 1:35 pm 28 Feb 18

Time analysis started: 2:25 pm 28 Feb 18

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.020			
STD			LOW	2-	10.712			
STD			HIGH	4-	58.037			
Blank				6-	-0.022	8- +acid	-0.022	
		304	10					
225	Van 1			1-	11.872	2-	8.127	
218	22			3-	32.851	4-	19.953	
216B	22			5-	20.457	6-	13.306	
255	Ind 7			7-	5.444	8-	3.819	
243A	Van 5			1-	15.348	2-	9.309	
241	Van 5			3-	13.878	4-	9.080	
235A	Van 4			5-	20.330	6-	12.893	
234	Van 4			7-	12.868	8-	8.778	
258A	Ind 7			1-	5.415	2-	3.782	
256	Ind 7			3-	6.584	4-	4.524	
267B	Ind 8			5-	7.777	6-	4.706	
264	Ind 8			7-	5.904	8-	4.135	
265A	Ind 8			1-	6.153	2-	4.304	
250	Van 6			3-	11.678	4-	7.931	
280B	Ind 4			5-	3.574	6-	2.510	
283	Ind 4			7-	3.821	8-	2.457	
295A	Ind 2			1-	14.561	2-	8.141	
298A	Van 7			3-	14.239	4-	9.983	
306B	Ind 20?			5-	8.342	6-	5.450	
304	Ind 6			7-	9.501	8-	6.528	
298B	Van 7			1-	14.019	2-	9.759	
7	SI			3-	13.393	4-	8.304	
6	SI			5-	9.819	6-	6.567	
20A	59			7-	13.848	8-	9.750	
Stand-by				1-	-0.022			
Std	Low			2-	10.679			
Std	High			4-	58.191			
Blank	by			6-	-0.021	8- +acid	-0.023	

225 Ch1 Van1 2018-05 Bot 7	218 Ch1 Stn 22 2018-05 Bot 3	216 Ch1 Stn 22 2018-05 Bot 1 B	255 Ch1 Ind7 2018-05 Bot 3	243 A Ch1 Van5 2018-05 Bot 6	241 Ch1 Van5 2018-05 Bot 4	235 A Ch1 Van4 2018-05 Bot 6	234 Ch1 Van4 2018-05 Bot 5
--	--	--	--	---	--	---	--

258 A Ch1 Ind7 2018-05 Bot 6	256 Ch1 Ind7 2018-05 Bot 4	257 B Ch1 Ind8 2018-05 Bot 8	264 Ch1 Ind8 2018-05 Bot 5	265 A Ch1 Ind8 2018-05 Bot 6	250 Ch1 Van6 2018-05 Bot 6	289 B Ch1 Ind4 2018-05 Bot 11	283 Ch1 Ind4 2018-05 Bot 14
---	--	---	--	---	--	--	---

295 A Ch1 Ind2 2018-05 Bot 11	298 A Ch1 Van7 2018-05 Bot 3	306 B Ch1 Ind9 2018-05 Bot 6	304 Ch1 Ind9 2018-05 Bot 4	298 B Ch1 Van7 2018-05 Bot 3	7 Ch1 Stn SI 2018-05 Bot 7 B	6 Ch1 Stn SI 2018-05 Bot 6	20 Ch1 Stn 59 2018-05 Bot 11 A
--	---	---	--	---	--	--	--

Chlorophyll Data Sheet

Cruise: 2018-05

Page: 1 of 2

Dates of Cruise:

Time and date acetone added: 11:10am 28 Feb 18

Analyst: Tamar

Time and date out of freezer: 9:05 am 29 Feb 18

Time analysis started: 10:05 am 29 Feb 18

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.018 (E previous blank)			←
STD			LOW	2-	10.852			
STD			HIGH	4-	59.010			
Blank				6-	-0.022	8- +acid	-0.022	-0.017 standby
		304	10					
295B	Ind2			1-	15.704	2-	8.635	
20B	59			3-	14.478	4-	9.999	
37	56			5-	12.993	6-	9.229	
35A	56			7-	15.785	8-	11.799	
49A	46			1-	33.198	2-	20.131	
49B	46			3-	32.638	4-	19.734	
63A	42			5-	21.269	6-	13.512	
82B	39			7-	36.122	8-	21.050	
84A	G001			1-	21.317	2-	13.139	
83	G001			3-	16.448	4-	10.341	
98	27			5-	27.400	6-	17.372	
99B	27			7-	32.835	8-	20.249	
115A	2			1-	20.403	2-	12.553	
119	CPF1			3-	20.492	4-	13.014	
118B	CPF1			5-	17.957	6-	11.655	
134B	3			7-	18.623	8-	11.252	
134A	3			1-	19.648	2-	12.048	
142A	BS17			3-	19.436	4-	12.751	
142B	BS17			5-	19.870	6-	12.913	
155	6			7-	22.716	8-	13.829	
186B	12			1-	31.849	2-	18.596	
186A	12			3-	31.201	4-	18.425	
166A	9			5-	19.218	6-	12.169	
169	9			7-	30.836	8-	18.041	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

295 B Chl Trd2 2018-05 Bot 11	20 Chl Stn 59 2018-05 Bot 11 B	37 Chl Stn 56 2018-05 Bot 14	35 Chl Stn 56 2018-05 Bot 12 A	49 A Chl Stn 46 2018-05 Bot 12	49 B Chl Stn 46 2018-05 Bot 12	63 A Chl Stn 42 2018-05 Bot 14	82 B Chl Stn 39 2018-05 Bot 17
--	--	--	--	---	---	---	---

84 A Chl Stn GEO1 2018-05 Bot 2	83 Chl Stn GEO1 2018-05 Bot 1	98 Chl Stn 27 2018-05 Bot 13	99 B Chl Stn 27 2018-05 Bot 14	115 A Chl Stn 2 2018-05 Bot 13	119 Chl Stn CPF1 2018-05 Bot 2	118 B Chl Stn CPF1 2018-05 Bot 1	134 B Chl Stn 3 2018-05 Bot 14
--	---	--	---	---	--	---	---

134 A Chl Stn 3 2018-05 Bot 14	142 A Chl Stn BS17 2018-05 Bot 6	142 B Chl Stn BS17 2018-05 Bot 6	155 Chl Stn 6 2018-05 Bot 11	186 B Chl Stn 12 2018-05 Bot 17	186 A Chl Stn 12 2018-05 Bot 17	166 A Chl Stn 9 2018-05 Bot 9	169 Chl Stn 9 2018-05 Bot 12
---	---	---	--	--	--	--	--

Chlorophyll Data Sheet

Cruise: 2018-05

Page: 2 of 2

Dates of Cruise:

Time and date acetone added: 1325 28 Feb 18

Analyst: Tamar

Time and date out of freezer: 1215pm 01 Mar 18

Time analysis started: 1:10pm 01 Mar 18

258B spilled ~ 1ml

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.019			
STD			LOW	2-	10.759			
STD			HIGH	4-	58.350			
Blank				6-	-0.017	8- +acid	-0.019	
		304	10					
198A	14			1-	16.090	2-	10.458	
199	14			3-	20.564	4-	12.910	
203B	QU39			5-	19.727	6-	12.045	
157A	6			7-	15.059	8-	14.647	problem?
202	QU39			1-	12.828	2-	8.423	
212B	16			3-	17.511	4-	10.618	
228	Van1			5-	45.011	6-	26.039	
226A	Van1			7-	13.610	8-	8.856	
216A	22			1-	20.862	2-	13.376	
217	22			3-	25.779	4-	16.134	
252B	Van6			5-	13.209	6-	8.334	
213	16			7-	17.653	8-	10.995	
258B	Ind7			1-	5.390	2-	3.297	~1ml spilled @ extraction
243B	Van5			3-	16.178	4-	9.903	
240	Van5			5-	13.008	6-	8.823	
267A	Ind8			7-	8.980	8-	5.381	
265B	Ind8			1-	6.661	2-	4.622	
235B	Van4			3-	20.009	4-	12.516	
252A	Van6			5-	13.417	6-	8.726	
237	Van4			7-	36.880	8-	21.930	
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Stand-by				1-	-0.019			
Std	Low			2-	10.725			
Std	High			4-	58.136			
Blank	by			6-	-0.023	8- +acid	-0.022	

198 A	199	203 B	157 A	202	212 B	228	226 A
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn 14	Stn 14	QU39	Stn 6	Stn 16	Stn 16	Van1	Van1
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 12	Bot 13	Bot 2	Bot 13	Bot 1	Bot 8	Bot 10	Bot 8

216	217	252 B	213	258 B	243 B	240	267 A
Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
Stn 22	Stn 22	Van6	Stn 16	Ind7	Van5	Van5	Ind8
2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05	2018-05
Bot 1	Bot 2	Bot 3	Bot 9	Bot 6	Bot 6	Bot 3	Bot 8

265 B	235 B	252 A	237
Chl	Chl	Chl	Chl
Ind8	Van4	Van6	Van4
2018-05	2018-05	2018-05	2018-05
Bot 6	Bot 6	Bot 8	Bot 8