



April Chandler

Chlorophyll Data Sheet

Cruise: 2018-29

Page: 1 of 3

Dates of Cruise:

Time and date acetone added: 16 Apr 2018 11:15 a.m.

Analyst: Temara

Time and date out of freezer: 17 Apr 2018 0920 am

Time analysis started: 17 Apr 18 1030 am

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.017			
STD			LOW	2-	10.562			
STD			HIGH	4-	57.211			
Blank				6-	-0.022	8- + acid	-0.023	
		304	10					
7	SI		10	1-	100.369	2-	54.271	
9B	SI	DF=6	10	3-	175.063	4-	90.419	5 ml sa + 10 ml '1' DF=3
6	SI		20	5-	21.934	6-	12.798	and then 10 ml + 10 ml '8'
21	59		10	7-	42.014	8-	26.742	that dilution DF=6
24	59		10	1-	39.592	2-	24.488	
22A	59		10	3-	37.358	4-	22.752	
33	69		10	5-	18.621	6-	11.649	
34A	69		10	7-	15.786	8-	9.906	
47	72		10	1-	20.207	2-	11.899	
48B	72		10	3-	21.639	4-	12.541	
50	72		10	5-	19.061	6-	11.062	
58	ADCP		10	7-	18.149	8-	11.658	
60B	ADCP		10	1-	16.805	2-	10.245	
57	ADCP		10	3-	11.663	4-	8.081	
68	65		10	5-	18.595	6-	11.892	
67B	65		10	7-	15.519	8-	10.730	
70	63		10	1-	17.854	2-	11.127	
67A	65		10	3-	14.541	4-	9.935	
85	56		10	5-	54.365	6-	35.722	
87	56		10	7-	56.493	8-	37.282	
84A	56		10	1-	50.964	2-	34.224	
99	46		10	3-	182.324	4-	110.360	
96	46		10	5-	74.813	6-	48.000	
97A	46		10	7-	57.950	8-	40.378	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

7 CHL Stn SI 2018-29 Bot 7	9 B CHL Stn SI 2018-29 Bot 9	6 CHL Stn SI 2018-29 Bot 5	21 CHL Stn 59 2018-29 Bot 11	24 CHL Stn 59 2018-29 Bot 14	22 A CHL Stn 59 2018-29 Bot 12	33 CHL Stn 69 2018-29 Bot 9	34 A CHL Stn 69 2018-29 Bot 10
--	--	--	--	--	--	---	--

47 CHL Stn 72 2018-29 Bot 11	48 B CHL Stn 72 2018-29 Bot 12	50 CHL Stn 72 2018-29 Bot 14	58 CHL Stn ADCP 2018-29 Bot 8	50 B CHL Stn ADCP 2018-29 Bot 10	57 CHL Stn ADCP 2018-29 Bot 7	68 CHL Stn 65 2018-29 Bot 8	69 B CHL Stn 65 2018-29 Bot 7
--	--	--	---	--	---	---	---

70 CHL Stn 65 2018-29 Bot 10	67 A CHL Stn 65 2018-29 Bot 7	85 CHL Stn 56 2018-29 Bot 12	87 CHL Stn 56 2018-29 Bot 14	84 A CHL Stn 56 2018-29 Bot 11	99 CHL Stn 46 2018-29 Bot 12	96 CHL Stn 45 2018-29 Bot 9	97 A CHL Stn 46 2018-29 Bot 10
--	---	--	--	--	--	---	--

Chlorophyll Data Sheet

Cruise: 2018-29

Page: 2 of 3

Dates of Cruise:

Time and date acetone added: 16 Apr 18 1:40 pm

Analyst:

Time and date out of freezer: 17 Apr 18 2:05 pm

Time analysis started: 17 Apr 18 3:10 pm

20ml: 113, 132A, 151
134B, 135, 173, 175A, 174

T. K. K. K.

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.020			
STD			LOW	2-	10.448			
STD			HIGH	4-	57.076			
Blank				6-	-0.025	8- + acid	-0.025	
		304						
115	42		10	1-	178.031	2-	112.193	
112A	42		10	3-	34.244	4-	25.883	
118	42		20	5-	271.409	6-	143.057	
130	39		10	7-	77.023	8-	57.128	
129	39		10	1-	42.845	2-	34.346	
132A	39		20	3-	167.067	4-	91.229	
149	27		10	5-	77.497	6-	46.473	
151	27		20	7-	137.501	8-	77.357	
133	GEO1		10	1-	147.766	2-	96.368	
134B	GEO1		20	3-	143.687	4-	82.622	
135?	GEO1		20	5-	168.207	6-	93.276	
148A	27		10	7-	59.522	8-	37.239	
152	CPF1		10	1-	52.763	2-	35.529	
154	CPF1		10	3-	115.673	4-	70.246	
153B	CPF1		10	5-	87.681	6-	60.008	
166B	2		10	7-	71.354	8-	47.536	
167	2		10	1-	72.718	2-	47.792	
169	2		10	3-	107.850	4-	66.351	
170	22		10	5-	110.628	6-	62.350	10 ml ac. + 5 ml sa D-3
171A	22		10	7-	129.007	8-	75.830	
172	22		10	1-	173.990	2-	102.345	
173	QU39		20	3-	239.890	4-	130.589	
175A	QU39		20	5-	220.612	6-	115.898	
174	QU39		20	7-	232.976	8-	123.593	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

115	112 A	113	130	129	128 A	149	151
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 42	Stn 42	Stn 42	Stn 39	Stn 39	Stn 39	Stn 27	Stn 27
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 16	Bot 13	Bot 14	Bot 15	Bot 14	Bot 17	Bot 14	Bot 16

133	131 B	135	148 150	152	154	153 B	166 B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn GEO1	Stn GEO1	Stn GEO1	Stn 27	Stn CPF1	Stn CPF1	Stn CPF1	Stn 2
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 1	Bot 2	Bot 3	Bot 15	Bot 1	Bot 3	Bot 2	Bot 12

167	169	170	171 A	172	173	175 A	174
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 2	Stn 2	Stn 22	Stn 22	Stn 22	QU-39	QU-39	QU-39
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 13	Bot 15	Bot 1	Bot 2	Bot 3	Bot 1	Bot 3	Bot 2

Chlorophyll Data Sheet

Cruise: 2018-29

Page: 3 of 3

Dates of Cruise:

Time and date acetone added: 16 Apr 18 410 pm

Analyst:

Time and date out of freezer: 17 Apr 18 310 pm

Kanwar

Time analysis started: 17 Apr 18 420 pm

183 to only read as lost/broken

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.021			
STD			LOW	2-	10.428			
STD			HIGH	4-	56.885			
Blank				6-	-0.023	8- +acid	-0.023	
		304						
184A	16		10	1-	71.051	2-	39.504	
186	16		10	3-	66.604	4-	37.047	
199	14		10	5-	157.471	6-	88.368	
201	14		10	7-	154.242	8-	83.810	
198B	14		10	1-	49.961	2-	28.794	
215B	12		10	3-	110.005	4-	62.779	DF=3 10ml + 5ml 50
217	12		10	5-	117.912	6-	65.006	" " "
214	12		20	7-	137.408	8-	79.832	
229A	9		10	1-	282.396	2-	162.795	
227	9		20	3-	125.069	4-	73.274	
226	9		20	5-	282.578	6-	162.750	
273A	BS17		10	7-	213.940	8-	119.896	
265B	3		10	1-	82.013	2-	52.433	
264	3		10	3-	46.455	4-	33.567	
251	6		10	5-	170.706	6-	97.682	
248B	6		10	7-	399.10	8-	28.617	
249	6		10	1-	117.073	2-	75.463	
275	BS17		10	3-	274.151	4-	155.492	
272	BS17		10	5-	173.470	6-	99.679	
				7-		8-		
				1-		2-		
				3-		4-		
				5-		6-		
				7-		8-		
Stand-by				1-	-0.017			
Std	Low			2-	10.449			
Std	High			4-	56.592			
Blank	by			6-	-0.022	8- +acid	-0.023	

184 ^A	186	199	201	198 ^B	215 ^B	217	214
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 16	Stn 16	Stn 14	Stn 14	Stn 14	Stn 12	Stn 12	Stn 12
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 9	Bot 11	Bot 13	Bot 15	Bot 12	Bot 14	Bot 16	Bot 13

229 ^A	227	226	273 ^A	265	264	251	248 ^B
CHL	CHL	CHL	CHL	CHL ^B	CHL	CHL	CHL
Stn 9	Stn 9	Stn 9	BS-17	Stn 3	Stn 3	Stn 6	Stn 6
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 12	Bot 10	Bot 9	Bot 6	Bot 14	Bot 13	Bot 13	Bot 10

249	275	272
CHL	CHL	CHL
Stn 6	BS-17	BS-17
2018-29	2018-29	2018-29
Bot 11	Bot 8	Bot 5

Chlorophyll Data Sheet

Cruise: 2018-29

Page: / of /

Dates of Cruise:

Time and date acetone added: 17 Apr 18 11:50 am

Analyst: Tamara

Time and date out of freezer: 18 Apr 18 10:06 am

Time analysis started: 18 Apr 18 11:25 am

171B

CHL

Sta 23

2018-20

Bot 2

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	-0.017			
STD			LOW	2-	10.534			
STD			HIGH	4-	57.432			
Blank				6-	-0.023	8- +acid	-0.023	
		304						
9A	SI		20	1-	178.572	2-	91.815	DF=3
22B	39		10	3-	41.231	4-	25.152	
34B	69		10	5-	16.575	6-	10.264	
36	69		10	7-	15.167	8-	9.296	
48A	72		10	1-	21.605	2-	12.280	
60A	ADCP		10	3-	18.151	4-	10.844	
84B	56		10	5-	54.734	6-	35.990	
97B	46		10	7-	61.731	8-	41.994	
112B	42		10	1-	33.156	2-	24.511	
132B	39		20	3-	170.970	4-	92.407	
134A	GEO1		20	5-	150.503	6-	87.238	
148B	27		10	7-	67.445	8-	41.437	
153A	QFL		10	1-	93.062	2-	63.419	
166A	2		10	3-	71.284	4-	47.432	
175B	QU39		20	5-	239.281	6-	126.988	
171B	28?		10	7-	51.102	8- broken	1st sample, lost ~5 ml @ extra dia.	
198A	14		10	1-	117.102	2-	67.666	
184B	16		10	3-	72.019	4-	40.012	
215A	12		10	5-	106.951	6-	61.503	DF=3
229B	9		10	7-	245.220	8-	137.808	
267A	3		10	1-	77.583	2-	46.540	
248A	6		10	3-	43.181	4-	30.446	
273B	BS17		10	5-	213.142	6-	118.033	
265A	3		10	7-	78.642	8-	50.253	
Stand-by				1-	-0.018			
Std	Low			2-	10.451			
Std	High			4-	57.060			
Blank	by			6-	-0.024	8- +acid	-0.021	

9 A	22 B	34 B	36	48 A	60 A	84 B	97 B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn SI	Stn 59	Stn 69	Stn 69	Stn 72	Stn ADCP	Stn 56	Stn 46
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 9	Bot 12	Bot 10	Bot 12	Bot 12	Bot 10	Bot 11	Bot 10

112 B	132 B	134 A	148 B	153 A	166 A	175 B
CHL	CHL	CHL	CHL	CHL	CHL	CHL
Stn 42	Stn 39	Stn GEO1	Stn 27	Stn CERN	Stn 2	QU-33
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 13	Bot 17	Bot 2	Bot 13	Bot 2	Bot 12	Bot 3

198 A	184 B	215 A	229 B	267	248 A	273 B	265
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL A
Stn 14	Stn 16	Stn 12	Stn 9	Stn 3	Stn 6	BS-17	Stn 3
2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29	2018-29
Bot 12	Bot 9	Bot 14	Bot 12	Bot 16	Bot 10	Bot 6	Bot 14

