

Chlorophyll Data Sheet

Cruise: 2019-014

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Dates of Cruise:

Date acetone added: 3/15/19

Time acetone added: 4:57pm

Date of analysis: 1 Aug 19

Time out of freezer: 3:00pm

Analyst: Julian

Time analysis started: 4:00pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.013			
STD			LOW	2-	10.369			
			HIGH	4-	56.821			
Blank				6-	0.007		0.005	
19	ES03	304mL	10mL	1-	15.269	2-	9.254	
20A	ES03			3-	15.149	4-	8.749	
21	ES03			5-	5.951	6-	3.287	
33	ES01			7-	17.522	8-	11.066	
34	ES01			1-	7.157	2-	3.988	
35B	ES01			3-	5.903	4-	3.263	
55	ES06			5-	16.973	6-	10.197	
56	ES06			7-	8.383	8-	4.676	
57A	ES06			1-	5.281	2-	2.915	
77	ES07			3-	12.906	4-	8.341	
78B	ES07			5-	9.839	6-	5.690	
79	ES07			7-	5.831	8-	3.203	
95	ES016			1-	18.901	2-	12.111	
132A	ES23			3-	7.228	4-	4.243	
133	ES23			5-	7.876	6-	4.405	
112B	ES17			7-	6.990	8-	3.920	
111	ES17			1-	6.297	2-	4.691	
97B	ES016			3-	5.624	4-	3.092	
96	ES016			5-	7.255	6-	4.142	
131	ES23			7-	13.719	8-	8.945	
151	ES21			1-	13.536	2-	8.523	
152	ES21			3-	15.214	4-	8.438	
153A	ES21			5-	7.637	6-	4.213	
173B	ES15			7-	6.686	8-	3.723	
Blank				3-	0.005		0.005	
Std	Low			5-	10.316			
Std	High			7-	56.437			
Stand-	by			8-	0.010			

20 A	19	21	33	34	35 B	55	56	57 A	77
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
ES03	ES03	ES03	ES01	ES01	ES01	ES06	ES06	ES06	ES07
2	2	2							
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014
Bot 20	Bot 19	Bot 21	Bot 1 1 / 2	Bot 1 2 / 3	Bot 1 3 / 4	Bot 18	Bot 19	Bot 20	Bot 20
			A		B		B		
78 B	79	95	132	133	112 B	111	97 B	96	131
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
ES07	ES07	ES016	ES23	ES23	ES17	ES17	ES016	ES016	ES23
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014
Bot 21	Bot 22	Bot 13	Bot 20	Bot 21	Bot 15	Bot 14	Bot 15	Bot 14	Bot 19
			A		B				
151	152	153 A	173 B						
CHL	CHL	CHL	CHL						
ES21	ES21	ES21	ES15						
2019-014	2019-014	2019-014	2019-014						
Bot 18	Bot 19	Bot 20	Bot 20						

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Cruise:

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Dates of Cruise: 2019-014

Date acetone added: 1 Aug 2019

Date of analysis: 2 Aug 2019

Analyst: Julian

Time acetone added: 2:06pm

Time out of freezer: 12:12pm

Time analysis started: 1:06pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.486			
			HIGH	4-	57.271			
Blank				6-	0.006		0.006	
171	ES15	304mL	1mL	1-	6.554	2-	3.622	
172	ES15			3-	14.806	4-	9.033	
173A	ES15			5-	6.800	6-	3.778	
193	ES24			7-	10.480	8-	5.878	
194	ES24			1-	6.838	2-	3.760	
212A	ES13			3-	13.619	4-	8.777	
213	ES13			5-	7.648	6-	4.309	
214	ES13			7-	6.203	8-	3.422	
229	UN10			1-	14.975	2-	9.314	
230	UN10			3-	12.914	4-	7.460	
231B	UN10			5-	6.627	6-	3.685	
252	ES10			7-	15.885	8-	9.873	
253	ES10			1-	6.256	2-	3.500	
254A	ES10			3-	6.149	4-	3.336	
265A	UN01			5-	15.543	6-	9.543	
266	UN01			7-	6.094	8-	3.348	
267	UN01			1-	4.883	2-	2.643	
285	UN06			3-	12.600	4-	7.885	
286A	UN06			5-	10.156	6-	5.963	
287	UN06			7-	6.885	8-	3.792	
293A	SP01			1-	14.659	2-	11.227	
294	SP01			3-	5.876	4-	3.342	
295	SP01			5-	5.850	6-	3.232	
313	SP02			7-	12.870	8-	7.630	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

174	172	173 A	193	194	212 A	213	214	229	230
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
ES15	ES15	ES15	ES24	ES24	ES13	ES13	ES13	UN10	UN10
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014
Bot 21	Bot 19	Bot 20	Bot 19	Bot 20	Bot 17	Bot 18	Bot 19	Bot 15	Bot 16
B									
231	252	253	254 A	265 A	266	267	285	286 A	287
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
UN10	ES10	ES10	ES10	UN01	UN01	UN01	UN06	UN06	UN06
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014
Bot 17	Bot 19	Bot 20	Bot 21	Bot 11 ¹²	Bot 12 ¹³	Bot 13 ¹⁴	Bot 18	Bot 19	Bot 20
293 A	294	295	313						
CHL	CHL	CHL	CHL						
SP01	SP01	SP01	SP02						
2019-014	2019-014	2019-014	2019-014						
Bot 11	Bot 12	Bot 13	Bot 18						

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+ 2 more samples.
1 ~~was~~ not labelled

Cruise:

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Dates of Cruise: 2019-014

Date acetone added: 1 Aug 19

Date of analysis: 2 Aug 19

Analyst: Julian C

Time acetone added: 3:19pm

Time out of freezer: 1:20pm

Time analysis started: 2:18pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.013			
STD			LOW	2-	10.380			
			HIGH	4-	57.013			
Blank				6-	0.006		0.007	
315	SP02	304ml	10ml	1-	4.005	2-	2.226	
314A	SP02			3-	4.569	4-	2.548	
332	H503			5-	22.477	6-	12.979	
533	H503			7-	7.880	8-	4.478	
334A	H503			1-	6.748	2-	3.747	
348A	H500.7			3-	6.105	4-	3.366	
347	H500.2			5-	7.933	6-	4.471	
346	H5001			7-	23.221	8-	13.432	
Not labelled!				1-	3.109	2-	4.273	:-
20B	ES03			3-	14.291	4-	8.176	
35A	ES01			5-	5.935	6-	3.248	
57B	ES06			7-	4.680	8-	2.550	
78A	ES07			1-	9.346	2-	5.392	
132B	ES23			3-	6.865	4-	3.947	
112A	ES17			5-	6.655	6-	3.620	
97A	ES06			7-	5.640	8-	3.081	
153B	ES21			1-	7.922	2-	4.362	
212B	ES13			3-	13.263	4-	8.706	
231A	UN10			5-	5.749	6-	3.177	
254B	ES10			7-	6.580	8-	3.583	
265B	UN01			1-	15.541	2-	9.571	
286B	UN06			3-	10.388	4-	6.110	
293B	SP01			5-	17.856	6-	10.827	
348B	H5001			7-	5.853	8-	3.233	
319B	SP02			1-	4.615	2-	2.590	
334B	H503			3-	6.841	4-	3.761	
Blank				3-	0.006		0.006	
Std	Low			5-	10.367			
Std	High			7-	56.843			
Stand-	by			8-	0.011			

315	314 A	332	333	334 A	348 A	347	346	20 B
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
SP02	SP02	HS03	HS03	HS03	HS03	HS03	HS03	ES03
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2
Bot 20	Bot 19	Bot 17	Bot 18	Bot 19	Bot 14	Bot 13	Bot 12	2019-014
								Bot 20
35 A	57 B	78	132 B	112 A	97 A	153 B	212 B	231 A
CHL	CHL	CHL A	CHL	CHL	CHL	CHL	CHL	CHL
ES01	ES06	ES07	ES23	ES17	ES016	ES21	ES13	UN10
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014
Bot 13 A	Bot 20	Bot 21	Bot 20	Bot 15	Bot 15	Bot 20	Bot 17	Bot 17
								Bot 21
265 B	286 B	293 B	348 B	314 B	334 B			
CHL	CHL	CHL	CHL	CHL	CHL			
UN01	UN06	SP01	HS03	SP02	HS03			
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014			
Bot 12	Bot 19	Bot 11	Bot 14	Bot 19	Bot 19			