

Chlorophyll Data Sheet

Cruise:

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Dates of Cruise: 2019-124

Date acetone added: 16 Jul 19

Date of analysis: 17 Jul 19

Analyst: Julian

Time acetone added: 2:28pm

Time out of freezer: 12:24pm

Time analysis started: 1:50pm

20ml Acetone
*60 → Red colour

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.010			
STD			LOW	2-	10.307			
			HIGH	4-	56.905			
Blank				6-	0.006		0.002 0.003	
55A	3207	304ml	10ml	1-	18.249	2-	9.842	
56A	3457			3-	24.540	4-	13.845	
57	3835			5-	23.744	6-	12.902	
58B	2592			7-	84.569	8-	46.685	
59A	2843			1-	119.289	2-	66.113	
60	3094		20ml	3-	162.234	4-	83.513	DF=3 Diatoms?
66B	1708		10ml	5-	10.526	6-	5.843	
65B	2209			7-	127.816	8-	67.587	
64	2703			1-	8.780	2-	4.743	
63A	2582			3-	48.731	4-	26.152	
62A	3089			5-	67.735	6-	36.390	
61B	2335			7-	131.304	8-	68.907	
61A	2335			1-	133.735	2-	70.528	
67A	2720			3-	98.582	4-	49.158	
68A	2848			5-	78.481	6-	43.934	
69	2850			7-	147.608	8-	82.161	
6B	Q6501			1-	119.231	2-	67.995	
1B	3501			3-	21.193	4-	13.284	
2B	3502			5-	25.585	6-	16.232	
3A	3503			7-	21.062	8-	14.150	
4A	3504			1-	93.805	2-	51.127	
5A	3505			3-	166.555	4-	91.795	
6B	Q6503			5-	136.638	6-	74.399	DF=3
7A	Q6502			7-	95.915	8-	54.523	
Blank				3-				
Std	Low			5-				
Std	High			7-				
Stand-	by			8-				

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Chlorophyll Data Sheet

Cruise:

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Dates of Cruise: 2019-124

Date acetone added: 16 Jul 19

Date of analysis: 17 Jul 19

Analyst: Julian i

Time acetone added: 4:43pm

Time out of freezer: 2:46pm

Time analysis started: 3:50pm

AKA had 2 filters

20ml Acetone
★ 8A
★ 12B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.011			
STD			LOW	2-	10.263			
			HIGH	4-	56.241			
Blank				6-	0.006		0.006	
★ 8A	Q5CT03	20ml	20ml	1-	217.314	2-	116.576	
9A	Q15T04		10ml	3-	117.728	4-	66.064	
10B	Q15T05			5-	128.728	6-	70.900	
11A	Q15T06			7-	120.928	8-	70.202	
★ 12B	10788		20ml	1-	236.988	2-	126.578	
13B	11168		10ml	3-	128.718	4-	68.461	DF=3
14A	10908			5-	329.321	6-	176.101	2 filter purifying
16A	11275			7-	274.517	8-	147.751	
15B	11553			1-	121.517	2-	63.669	
21A	10772			3-	210.776	4-	111.348	
20A	10894			5-	88.470	6-	48.187	
19A	11145			7-	39.762	8-	22.182	
18B	11521			1-	31.042	2-	17.702	
17A	11398			3-	49.900	4-	27.684	
★ 20A	10652			5-	210.160	6-	111.142	
25B	10628			7-	128.824	8-	69.904	DF=3
24A	9900			1-	159.992	2-	84.789	DF=3
23A	10642			3-	101.629	4-	55.278	
22B	10394			5-	115.540	6-	62.454	
31A	8661			7-	252.017	8-	134.683	
30B	8413			1-	101.508	2-	54.463	
29B	8292			3-	49.381	4-	27.366	
★ 28B	8913			5-	228.466	6-	122.633	DF=3
27B	9284			7-	89.550	8-	46.624	
Blank				3-	0.006		0.005	
Std	Low			5-	10.214			
Std	High			7-	56.212			
Stand-	by			8-	0.011			

2019-124 008 QCT03 CAL surf A	2019-124 009 CHI surf QCT04 A	2019-124 010 CAI QCT05 B	2019-124 011 CAL QCT06 A1	2019-124 012 10788 Event 18 CAL B	2019-124 013 11168 Event 24 CAL B	2019-124 014 CAL 10908 Event 32 A	2019-124 016 11275 CAL A	2019-124 11533 CAL 015 B ⁻²⁰ 116	2019-124 021 10772 CAL A	2019-124 020 10894 CAL A
2019-124 019 11145 CHI A	2019-124 018 11521 CAL B	2019-124 017 11398 CAL A	2019-124 026 10652 CAL A	2019-124 025 10028 CAL B	2019-124 024 9900 CAL A	2019-124 023 10642 CAL A	2019-124 022 10394 CAL B	2019-124 031 8661 CAL A	2019-124 030 8413 CAL B	2019-124 029 8292 CAL B
2019-124 028 8913 CAL B	2019-124 027 9284 CAL B									

-10m1

Chlorophyll Data Sheet

Cruise:

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Dates of Cruise: 2019-124

Date acetone added: 17 Jul 19

Date of analysis: 18 Jul 19

Analyst: Juliani

Time acetone added: 5:13pm

Time out of freezer: 3:15pm

Time analysis started: 4:28pm

*49B had 2 filter papers & some red spots.

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.461			
			HIGH	4-	57.275			
Blank				6-	0.011		0.010	Not recognized as blank
27A	9284	304mL	10mL	1-	86.966	2-	45.241	
32A	7547			3-	191.123	4-	106.527	
33A	7791			5-	192.269	6-	109.015	
34B	3699			7-	25.490	8-	14.861	
35A	4197			1-	66.166	2-	36.015	
36B	41416			3-	73.097	4-	39.377	
37A	4161			5-	110.364	6-	58.689	
38A	4076			7-	68.808	8-	35.828	
39B	7047			1-	52.206	2-	29.441	
40A	7773			3-	105.349	4-	56.373	
41	7170			5-	91.821	6-	50.067	
42A	6307			7-	66.217	8-	36.254	
43B	6928			1-	10.144	2-	5.962	
44	6925			3-	47.188	4-	26.094	
45A	4935			5-	27.455	6-	15.319	
46A	5307			7-	55.056	8-	30.419	
47	4811 ?			1-	38.039	2-	20.352	
48B	4442			3-	26.011	4-	14.537	
49A	3326			5-	9.712	6-	5.531	
53	3329			7-	30.854	8-	17.088	
52B	3879			1-	45.273	2-	24.302	
51B	3829			3-	34.038	4-	18.177	
50	4937			5-	21.733	6-	12.285	
49B	4562	✓	✓	7-	19.389	8-	11.652	
Blank				3-	0.011		0.012	still not blank
Std	Low			5-	10.432			
Std	High			7-	86.736			
Stand-	by			8-	0.011			

[illegible]

Chlorophyll Data Sheet

20ml Acetone

Cruise:

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Dates of Cruise: 2019-124

Date acetone added: 22 Jul 19

Date of analysis: 28 Jul 19

Analyst: Julian

Time acetone added: 4:05pm

Time out of freezer: 2:14pm

Time analysis started: 3:15pm

#16B missing filter A

#1A
#4B- 2 filters
#5B
#12A
#26B
#25A
#24B

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.015			
STD			LOW	2-	10.487			
			HIGH	4-	57.413			
Blank				6-	0.007		0.007	
1A	3501		20ml		10.914		6.819	
2A	3502		10ml	1-	26.475	2-	16.870	
4B	3504		20ml	3-	42.908	4-	23.249	2 filters---
6A	06501		10ml	5-	117.227	6-	66.972	
5B	3505		20ml	7-	86.466	8-	47.275	
7B	06502		10ml	1-	97.786	2-	54.102	
9B	06504			3-	113.916	4-	62.652	
10A	06505			5-	124.069	6-	68.969	
11B	06506			7-	120.069	8-	69.106	
12A	10748		20ml	1-	245.621	2-	130.449	
13A	11168		10ml	3-	129.336	4-	68.262	DF=3
16B	11275			5-		6-		NO FILTER
15A	11535			7-	139.406	8-	73.158	
21B	10732			1-	219.907	2-	114.983	
20B	10844			3-	92.006	4-	50.006	
19B	11145			5-	42.009	6-	23.417	
18A	11521			7-	31.892	8-	18.312	
17B	11398			1-	47.185	2-	27.024	
26B	10652		20ml	3-	11.479	4-	58.976	
25A	10028		20ml	5-	132.453	6-	71.714	
24B	9900		20ml	7-	245.126	8-	130.028	
23B	10642		10ml	1-	101.486	2-	55.255	
22A	10394			3-	119.108	4-	64.553	
31B	8661			5-	261.297	6-	140.580	
				7-		8-		
Blank				3-	0.007		0.007	
Std	Low			5-	10.532			
Std	High			7-	56.975			
Stand-	by			8-	0.015			

2019-124 001 JS01 nut surf A	2019-124 002 CHI JS02 surf A	2019-124 004 JS04 CHI surf B	2019-124 006 CHI QCS01 surf A	2019-124 005 JS05 CHI surf B	2019-124 007 CHI surf B	2019-124 009 CHI surf QCS04 B	2019-124 010 CHI QCS05 A	2019-124 011 CHI QCS06 B	2019-124 012 10788 Event 18 CHI A	2019-124 013 11168 Event 24 CHI A
2019-124 016 11275 CHI B	2019-124 11533 CHI 015 A	2019-124 021 10772 CHI B	2019-124 020 10894 CHI B	2019-124 019 11145 CHI B	2019-124 018 11521 CHI A	2019-124 017 11398 CHI B	2019-124 026 10652 CHI B	2019-124 025 10028 CHI A	2019-124 024 9900 CHI B	2019-123 023 10642 CHI B
2019-124 022 10394 CHI A	2019-124 031 8661 CHI B									

Chlorophyll Data Sheet

Cruise:

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Dates of Cruise: 2019-124

Date acetone added: 24 Jul 19

Date of analysis: 25 Jul 19

Analyst: Julian C

Time acetone added: 4:18pm

Time out of freezer: 2:18pm

Time analysis started: 3:53pm

#494 had 4 red dots on it.

20ml Acetone

#28A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.015			
STD			LOW	2-	10.595			
			HIGH	4-	58.650			
Blank				6-	0.012		0.009	
30A	84B	304ml	10ml	1-	106.728	2-	56.644	
29A	8292		↓	3-	61.995	4-	33.651	
28A	9913		20ml	5-	335.197	6-	179.101	
32B	7547		10ml	7-	199.088	8-	109.804	
34A	3699			1-	21.365	2-	12.878	
35B	4197			3-	65.521	4-	35.938	
36A	4446			5-	74.849	6-	40.205	
37B	4451			7-	101.461	8-	53.899	
38B	4076			1-	66.540	2-	34.857	
39A	7047			3-	52.249	4-	29.793	
40B	7173			5-	106.550	6-	55.869	1/2 Sample lost due to filter
42B	6307			7-	66.018	8-	35.988	
43A	6928			1-	81.622	2-	47.594	
45B	4935			3-	26.451	4-	14.913	
46B	5307			5-	52.654	6-	28.893	spilled again - Rough day!!
48A	4442			7-	24.157	8-	13.751	
54B	3326			1-	9.846	2-	5.626	
52A	3879			3-	43.876	4-	24.129	
51A	3829			5-	32.108	6-	17.247	
49A	4562			7-	18.156	8-	11.213	
55B	3207			1-	18.534	2-	10.199	
56B	3457			3-	26.138	4-	14.695	
58A	2592			5-	86.954	6-	48.090	
66A	1708			7-	17.959	8-	9.775	
Blank				3-	0.005		0.005	
Std	Low			5-	10.497			
Std	High			7-	56.907			
Stand-	by			8-	0.015			

2019-124	2019-124	2019-124	2019-124	2019-124	2019-124	2019-124	37	38B	39 A
030	029	028	032	034	035	036	CHL	CHL	CHL
8413	8292	8913	7547	3699	4197	4446	STN 4451	STN 4076	STN: 7047
CHL	CHL	CHL	CHL	CHL	CHL	CAP	Om	Om	Om
A	A	A	B	A	B	A	2019-124	2019-124	2019-124
40B	42B	43A	45B	46B	48A	54B	52A	51A	49A
CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL	CHL
STN: 7173	STN: 6307	STN: 6928	4935	5307	STN: 4442	STN: 3326	STN: 3879	STN: 3829	STN: 4562
Om	Om	Om	Om	Om	Om	Om	Om	Om	Om
2019-124	2019-124	2019-124	2019-124	2019-124	2019-124	2019-124	2019-124	2019-124	2019-124
55B	56B	58A	66A						
CHL	CHL	CHL	CHL						
STN: 3200	STN: 3457	STN: 2592	STN: 1708						
Om	Om	Om	Om						
2019-124	2019-124	2019-124	2019-124						

Chlorophyll Data Sheet

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20mL Acetone

Cruise:

Dates of Cruise: 2019-124

Date acetone added: 25 Jul 19

Date of analysis: 26 Jul 19

Analyst: Julian

Time acetone added: 3:35pm

Time out of freezer: 1:35pm

Time analysis started: 2:10pm

☆65A

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.015			
STD			LOW	2-	10.472			
			HIGH	4-	57.654			
Blank				6-	0.009		0.010	
5913	2413	30mL	10mL	1-	124.904	2-	69.014	
65A	2208	↓	20mL	3-	130.947	4-	69.097	
63B	2582	↓	10mL	5-	57.238	6-	27.193	
67B	2720	↓	↓	7-	90.584	8-	49.734	
68B	2844	↓	↓	1-	83.271	2-	46.656	
				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-		
Blank				3-	0.010		0.009	
Std	Low			5-	10.424			
Std	High			7-	56.922			
Stand-	by			8-	0.014			

59B	65A	63B	67B	68B
CHL	CHL	CHL	CHL	CHL
Sta 2843	Sta 2208	Sta 2582	Sta 2720	Sta 2848
Om	Om	Om	Om	Om
2019-124	2019-124	2019-124	2019-124	2019-124

