

November 9, 2017

9:00am

9:00am - remove SWL samples from -80 freezer & placed in Fumehood.

" - FSU: .045

" - Fumehood Temp: 15 °C.

9:15am - start decanting 90% Acetone in vials with sample filter (10 ml each)
↳ finished & placed in -20 freezer @ 11am.

November 10, 2017

9:00am

9:00am - Remove samples from -20 freezer and place in Fumehood.

9:25 - FSU: .047

9:25 - Fumehood Temp: 15.5 °C

9:25 - Solid Standard: Low: 16.2

High: 92.1

9:35 - Start Analysing

11:50 - Solid Standard: Low: 16.1

High: 92.0

1:30pm - " " Low: 16.1

High: 92.1

" Finish Analysing

" FSU: .046

" Fumehood Temp: 15.0 °C

Blank:

Fo: 0.0

Fa: 0.0

Chlorophyll Analysis Log

SWL 2017-93 Cruise Leg 1

Analyst: Mary SteelPage: 1/13Date: November 10/17 Time: 9:35 am Start

Sample #	Station:	Cast Depth	V filtered (ml)	V extract (ml)	Fo	Fa	Notes:
12	NP-1	75	304 ml	10 ml	8.57	5.54	very clear
13	NP-1	50			22.2	12.6	vc
14A		35			44.5	24.6	vc
14B		35			42.2	22.8	
15		25			32.6	17.9	
16					9.43	4.77	
17					12.1	6.04	
29	NP-2				4.14	2.87	
31A					13.9	7.92	
31B					13.6	7.84	
33					52.1	26.1	
35					21.5	11.5	
37					11.4	5.57	
39					7.66	3.92	
53	NP-3				4.24	2.96	
54A					6.27	4.38	
54B					5.83	3.85	
55					17.4	10.3	
56					78.5	37.5	
57					18.7	8.91	
58					21.0	9.92	
70A	NP-4				7.24	4.22	
70B					7.26	4.24	
71					14.4	7.92	
72					15.1	8.15	
73					15.2	8.03	
74					11.6	5.83	
75					12.9	6.54	
94	NP-5				14.8	9.14	
95					16.8	8.95	
96					14.5	7.46	
97A					9.25	4.50	
97B					8.43	4.10	
98					8.78	4.45	

Chlorophyll Analysis Log



SWL 2017-93 Cruise Leg 1

Analyst: Mary Star

Page: 2/3

Date: November 10, 2017

Time: 10:45 midway

Sample #	Station:	Cast Depth m.	V filtered (ml)	V extract (ml)	Fo	Fa	Notes:
99	NP-5		304 ml	10 ml	9.31	4.61	
135	NP-7		304		10.7	6.20	
136					11.7	6.43	
137					14.3	7.51	
138A					16.1	8.56	
138B					17.6	9.24	
139					14.2	7.29	
140					12.6	6.27	
158A	NP-8				8.80	4.00	
158B	NP-8				9.00	4.12	
177	NP-9				10.2	5.92	
178					21.9	11.9	
179A					17.6	8.85	
179B					18.4	9.26	
180					15.6	7.46	
181					11.4	5.25	
182					8.85	4.02	
200A	NP-10				23.1	11.0	
200B	NP-10				22.8	10.8	
219A	NP-11				7.24	5.36	
219B					7.29	5.41	
220					16.0	10.7	
221					61.5	32.5	
222					84.2	42.6	
223					50.5	25.3	
224					50.9	25.2	
LOOP3A	NP-1				147.	74.3	
LOOP3B	NP-1				149.	74.1	
" 5	NP-1		304 ml		34.6	17.3	
" 7	NP-1		304 ml		17.7	9.17	
" 8	NP-1				34.1	17.9	
" 12	NP-1				11.2	5.85	
" 13	NP-1				6.47	3.31	
" 18	NP-2		304 ml		8.59	4.18	

↳ all samples @ 304 ml filtered

Chlorophyll Analysis Log



SWL 2017-93 Cruise Leg 1

Analyst: Mary SteelPage: 3 / 3Date: November 10, 2017

Time:

Sample #	Station:	Cast	V filtered (ml)	V extract (ml)	Fo	Fa	Notes:
LOOP 22	NP-2		304ml	10ml	12.0	5.69	
" 25	↓				14.2	7.98	
" 27					14.3	7.23	
" 29					9.67	4.98	
" 32					10.3	5.14	
" 37					16.6	8.83	
" 39	↓				13.5	6.75	
" 44	NP-3				30.5	14.6	
" 47	↓				7.64	3.50	
" 50					9.09	4.46	
" 51					10.9	5.10	
" 56					8.12	3.83	
" 58	↓				11.0	5.23	
" 65	NP-4				32.3	17.3	
" 66	↓				21.9	11.5	
" 67					134.	70.4	
" 69					87.3	45.6	
" 70					58.2	28.6	
" 71					134.	73.7	
" 72					51.5	26.4	
" 73					21.9	13.2	
" 74					21.7	11.8	
" 76					95.5	50.8	
" 77					25.2	12.9	
" 78					18.9	9.81	
" 80					24.7	12.0	
" 82	↓				10.3	5.33	
" 91	NP-5				24.2	14.2	
" 94	↓				4.31	2.24	← filter stuck to side not submerged
" 116 A	NP-6				9.32	4.74	
" 116 B	NP-6				8.83	4.51	
Blank				10 ml	0.0	0.0	

12 CHL NP-1 1 2017-93 Bot 12	13 CHL NP-1 1 2017-93 Bot 13	14 A CHL NP-1 1 2017-93 Bot 14	14 B CHL NP-1 1 2017-93 Bot 14	15 CHL NP-1 1 2017-93 Bot 15	16 CHL NP-1 1 2017-93 Bot 16	17 CHL NP-1 1 2017-93 Bot 17	29 CHL NP-2 2 2017-93 Bot 12
---	---	---	---	---	---	---	---

31 A CHL NP-2 2 2017-93 Bot 14	31 B CHL NP-2 2 2017-93 Bot 14	33 CHL NP-2 2 2017-93 Bot 16	35 CHL NP-2 2 2017-93 Bot 18	37 CHL NP-2 2 2017-93 Bot 20	39 CHL NP-2 2 2017-93 Bot 22	53 CHL NP-3 10 2017-93 Bot 12	54 A CHL NP-3 10 2017-93 Bot 13
---	---	---	---	---	---	--	--

54 B CHL NP-3 10 2017-93 Bot 13	55 CHL NP-3 10 2017-93 Bot 14	56 CHL NP-3 10 2017-93 Bot 15	57 CHL NP-3 10 2017-93 Bot 16	58 CHL NP-3 10 2017-93 Bot 17	70 A CHL NP-4 13 2017-93 Bot 12	70 B CHL NP-4 13 2017-93 Bot 12	71 CHL NP-4 13 2017-93 Bot 13
--	--	--	--	--	--	--	--

72 CHL NP-4 13 2017-93 Bot 14	73 CHL NP-4 13 2017-93 Bot 15	74 CHL NP-4 13 2017-93 Bot 16	75 CHL NP-4 13 2017-93 Bot 17	94 CHL NP-5 16 2017-93 Bot 12	95 CHL NP-5 16 2017-93 Bot 13	96 CHL NP-5 16 2017-93 Bot 14	97 A CHL NP-5 16 2017-93 Bot 15
--	--	--	--	--	--	--	--

97 B CHL NP-5 16 2017-93 Bot 15	98 CHL NP-5 16 2017-93 Bot 16	99 CHL NP-5 16 2017-93 Bot 17	135 CHL NP-7 23 2017-93 Bot 12	136 CHL NP-7 23 2017-93 Bot 13	137 CHL NP-7 23 2017-93 Bot 14	138 A CHL NP-7 23 2017-93 Bot 15	138 B CHL NP-7 23 2017-93 Bot 15
--	--	--	---	---	---	---	---

139 CHL NP-7 23 2017-93 Bot 16	140 CHL NP-7 23 2017-93 Bot 17	158 A CHL NP-8 26 2017-93 Bot 17	158 B CHL NP-8 26 2017-93 Bot 17	177 CHL NP-9 31 2017-93 Bot 12	178 CHL NP-9 31 2017-93 Bot 13	179 A CHL NP-9 31 2017-93 Bot 14	179 B CHL NP-9 31 2017-93 Bot 14
---	---	---	---	---	---	---	---

180 CHL NP-9 31 2017-93 Bot 15	181 CHL NP-9 31 2017-93 Bot 16	182 CHL NP-9 31 2017-93 Bot 17	200A CHL NP-10 34 2017-93 Bot 17	200B CHL NP-10 34 2017-93 Bot 17	219A CHL NP-11 37 2017-93 Bot 12	219B CHL NP-11 37 2017-93 Bot 12	220 CHL NP-11 37 2017-93 Bot 13
---	---	---	---	---	---	---	--

221 CHL NP-11 37 2017-93 Bot 14	222 CHL NP-11 37 2017-93 Bot 15	223 CHL NP-11 37 2017-93 Bot 16	224 CHL NP-11 37 2017-93 Bot 17
--	--	--	--

loop 3A CHL 2017-93	loop 3B CHL 2017-93	loop 5 CHL 2017-93 304ml	loop 7 CHL 2017-93 304ml	loop 8 CHL 2017-93	loop 12 CHL 2017-93	loop 13 CHL 2017-93	loop 18 CHL 2017-93 304ml
---------------------------	---------------------------	-----------------------------------	-----------------------------------	--------------------------	---------------------------	---------------------------	------------------------------------

loop 22 CHL 2017-93	loop 25 CHL 2017-93 304mls	loop 27 CHL 2017-93	loop 29 CHL 2017-93	loop 32 CHL 2017-93 304ml	loop 37 CHL 2017-93 304ml	loop 39 CHL 2017-93	loop 44 CHL 2017-93
---------------------------	-------------------------------------	---------------------------	---------------------------	------------------------------------	------------------------------------	---------------------------	---------------------------

loop 47 CHL 2017-93	loop 50 CHL NP-9 2017-93	loop 51 CHL 2017-93	loop 56 CHL 2017-93	loop 58 CHL 2017-93	loop 65 CHL 2017-93	loop 66 CHL 2017-93	loop 67 CHL 2017-93
---------------------------	-----------------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------

LOOP 69
CHL
2017-93

LOOP 70
CHL
2017-93

LOOP 71
CHL
2017-93

LOOP 72
CHL
2017-93

LOOP 73
CHL
2017-93

LOOP 74
CHL
2017-93

LOOP 76
CHL
2017-93

LOOP
77
CHL
2017-93

LOOP 78
CHL
2017-93

LOOP 80
CHL
2017-93

LOOP 82
CHL
2017-93

CHL
LOOP 91
2017-93

LOOP 94
CHL
2017-93

116A
CHL
NP6
2017-93
17

116B
CHL
NP6
2017-93
17