

Chlorophyll Data Sheet

Cruise: *Line P*

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Dates of Cruise: *2014-008*

Time and date acetone added: *28 Aug 19 @ 2:00pm*

Analyst: *Julian*

Time and date out of freezer: *29 Aug 19 @ 12:06pm*

Time analysis started: *1:54pm*

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.015			
STD			LOW	2-	10.375			
STD			HIGH	4-	57.070			
Blank				6-	0.008	8-	0.068	
367A	P14			1-	5.979	2-	3.218	
369A	P15			3-	6.457	4-	3.474	
383	P16			5-	7.012	6-	3.785	
384	P16			7-	7.527	8-	4.088	
386	P16			1-	7.583	2-	4.104	
386	P16			3-	7.477	4-	4.040	
373	P16			5-	1.646	6-	1.152	Dead zone
372	P16			7-	1.715	8-	1.162	
377	P16			1-	37.455	2-	22.534	
374	P16			3-	12.686	4-	7.616	
375	P16			5-	17.826	6-	10.502	
376A	P16			7-	27.359	8-	16.550	
379A	P16			1-	10.710	2-	6.089	
379B	P16			3-	10.485	4-	5.947	
378	P16			5-	20.499	6-	12.224	
488A?	P17			7-	6.562	8-	3.595	
LOOP5063	P17			1-	5.645	2-	3.173	
488B?	P17			3-	6.382	4-	3.470	
512A	P19			5-	8.408	6-	4.581	
LOOP5065	LOOP			7-	13.514	8-	7.421	
5513A	LOOP			1-	7.949	2-	4.560	
513A	P19			3-	9.634	4-	5.340	
575	P20			5-	1.485	6-	1.097	
578A	P20			7-	3.583	8-	2.528	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

367 A	368 A	383	384	381	380	373	372	377	374
Chl	CHL	Chl	Chl	Chl	Chl	Chl	Chl	Chl	Chl
P14	P15	P16	P16	P16	P16	P16	P16	P16	P16
5 m	5 m	5 m	0 m	10 m	15 m	75 m	100 m	30 m	60 m
19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008
Bot 24	Bot 1	Bot 15	Bot 16	Bot 13	Bot 12	Bot 5	Bot 4	Bot 9	Bot 6

375	376 A	379 A	379 B	378	488	0	488	512 A	5065
Chl	Chl	Chl	Chl	Chl	CHL	CHL	CHL	Chl	CHLB
P16	P16	P16	P16	P16	P17	P17	P17	P18	LOOP
50 m	40 m	20 m	20 m	25 m	5 m	5 m	5 m	5 m	209.08
19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008	
Bot 7	Bot 8	Bot 11	Bot 11	Bot 10	Bot 1	Bot 1	Bot 1	Bot 24	

5513
CHL A
LOOP
209.08

513 A
CHL
P19
5 m
19-008
Bot 1

575	576 A
Chl	Chl
P20	P20
100 m	75 m
19-008	19-008
Bot 4	Bot 5

Chlorophyll Data Sheet

Cruise: Line P

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Dates of Cruise: 20/9-008

Time and date acetone added: 28 Aug/9 @ 4:27pm

Analyst: Sullivan

Time and date out of freezer: 29 Aug/9 @ 2:30pm

Time analysis started: 3:28pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.014			
STD			LOW	2-	10.264			
STD			HIGH	4-	56.731			
Blank				6-	0.007	8-	0.008	
576B	P20			1-	3.412	2-	2.349	
577	P20			3-	8.097	4-	5.058	
578	P20			5-	15.302	6-	9.495	
579	P20			7-	43.643	8-	23.921	
580	P20			1-	19.956	2-	11.145	
581B	P20			3-	5.842	4-	3.310	
582	P20			5-	5.713	6-	3.162	
583	P20			7-	5.318	8-	2.912	
584	P20			1-	5.628	2-	3.080	
586	P20			3-	6.271	4-	3.416	
587	P20			5-	5.608	6-	3.077	
5075A	Loop 75			7-	6.346	8-	3.544	
630A	P21			1-	10.917	2-	5.962	
654A	P22			3-	12.126	4-	6.555	
5080A	Loop			5-	9.605	6-	5.248	
669A	P23			7-	21.356	8-	11.067	
693A	P24			1-	28.250	2-	14.771	
709A	P25			3-	31.784	4-	16.612	
738	P26			5-	2.105	6-	1.507	
739	P26			7-	6.015	8-	4.160	
740A	P26			1-	16.635	2-	10.836	
741	P26			3-	23.726	4-	15.613	
742	P26			5-	19.434	6-	17.815	~5 drops HCl weird.
743	P26			7-	31.163	8-	19.444	
Stand-by	Blank			1-	0.010		0.008	
Std	Low			2-	10.351			
Std	High			4-	56.690			
Blank	by			6-	0.013	8-		

576 B	577	578	579	580	581 B	582	583	584	586
Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1	Ch1
P20	P20	P20	P20	P20	P20	P20	P20	P20	P20
75 m	60 m	50 m	40 m	30 m	25 m	20 m	15 m	10 m	5 m
19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008	19-008
Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 15

587	507F	630 A	654 A	5080	669 A	693 A	709 A	738	739
Ch1	CHA A	CHL	Ch1	A	Ch1	Ch1	Ch1	Ch1	Ch1
P20	Loop 75	P21	P22	CHC	P23	P24	P25	P26	P26
0 m	2019-008	5 m	5 m	2019-008	5 m	5 m	5 m	100 m	75 m
19-008		19-008	19-008	Loop	19-008	19-008	19-008	19-008	19-008
Bot 16		Bot 19	Bot 24		Bot 15	Bot 23	Bot 15	Bot 4	Bot 5

740 A	741	742	743
Ch1	Ch1	Ch1	Ch1
P26	P26	P26	P26
60 m	50 m	40 m	30 m
19-008	19-008	19-008	19-008
Bot 6	Bot 7	Bot 8	Bot 9

Chlorophyll Data Sheet

Cruise: *Line P*

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Dates of Cruise: *2019-008*

Time and date acetone added: *29 Aug 19 @ 11:19am*

Analyst: *Julian*

Time and date out of freezer: *30 Aug 19 @ 9:20am*

Time analysis started: *10:35am*

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.015			
STD			LOW	2-	10.389			
STD			HIGH	4-	56.979			
Blank				6-	0.010	8-	0.010	
744	P26			1-	22.660	2-	12.851	
745	P26			3-	24.254	4-	13.758	
746	P26			5-	23.240	6-	13.213	
747B	P26			7-	24.069	8-	13.719	
748	P26			1-	22.652	2-	12.856	
749	P26			3-	22.971	4-	13.122	
LOOP A	P35			5-	18.726	6-	10.081	
872A	P35			7-	23.726	8-	12.632	
5107 B	LOOP			1-	22.364	2-	11.718	
5108	100P			3-	12.511	4-	6.615	
5111A	loop			5-	7.586	6-	4.163	
5112A	loop 5112			7-	6.960	8-	3.893	
5114A	LOOP			1-	7.297	2-	3.999	
5114B	LOOP			3- 	7.451	4- 7.450	4.103	
5116B	loop 5116			5-	16.641	6-	8.862	
886	P4			7-	2.539	8-	1.664	
887	P4			1-	8.352	2-	5.390	
888A	P4			3-	31.344	4-	18.598	
889	P4			5-	5.117	6-	2.771	
890	P4			7-	4.677	8-	2.500	
891	P4			1-	4.543	2-	2.453	
5120 B	LOOP 120			3-	6.247	4-	3.593	
367B	P14			5-	6.134	6-	3.307	
368	P15			7-	6.360	8-	3.425	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

744	745	746	747 B	748	749	LOOP	872 A	5107	5108
Chl	Chl	Chl	Chl	Chl	Chl	CHLA	CHL	LOOP B	CHL
P26	P26	P26	P26	P26	P26	P35	P35	CHL	loop
25 m	20 m	15 m	10 m	5 m	0 m	19-008	5 m	2019-008	5 m
19-008	19-008	19-008	19-008	19-008	19-008		19-008	2019-008	19-008
Bot 10	Bot 11	Bot 12	Bot 13	Bot 14	Bot 15		Bot 1		Bot 1
511	5112 A	5114	5114	5116 B	886	887	888	889	890
CHLA	CHL	CHLA	CHLB	Chl	Chl	Chl	Chl A	Chl	Chl
LOOP	loop 5112	LOOP	LOOP	loop 5116	P4	P4	P4	P4	P4
2019-008	5 m	2019-008	2019-008	5 m	100 m	75 m	50 m	25 m	10 m
	19-008			19-008	19-008	19-008	19-008	19-008	19-008
	Bot 1			Bot 1	Bot 14	Bot 15	Bot 16	Bot 17	Bot 18
891	5120	367 B	368						
Chl	CHLB	Chl	CHL						
P4	LOOP 120	P14	P15						
5 m	19-008	5 m	5 m						
19-008	19-008	19-008	19-008						
Bot 19	Bot 19	Bot 24	Bot 1						

Chlorophyll Data Sheet

Cruise: Line P

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Dates of Cruise: 2019-008

Time and date acetone added: 29 Aug 19 @ 2:59pm

Analyst: Julian C

Time and date out of freezer: 30 Aug 19 @ 12:59pm

Time analysis started: 2:02pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.012			
STD			LOW	2-	10.336			
STD			HIGH	4-	56.403			
Blank				6-	0.009	8-	0.010	
24	59			1-	66.416	2-	39.936	
25	59			3-	66.403	4-	38.500	
26	59			5-	91.795	6-	57.564	
27	59			7-	91.573	8-	50.882	
28A	59			1-	104.688	2-	56.817	
29	59			3-	103.061	4-	58.84	
30	59			5-	113.230	6-	62.856	
5004	5F1			7-	44.827	8-	25.881	
5005	5F2			1-	39.298	2-	22.687	
5006	5F3			3-	68.658	4-	39.148	
5007	5F4			5-	139.883	6-	75.926	
30A 32	?			7-	34.356	8-	20.614	
34A	P1			1-	358.428	2-	181.875	
35	P2			3-	4.080	4-	3.456	
36	P2			5-	7.479	6-	4.937	
37A	P2			7-	26.522	8-	16.211	
38	P2			1-	48.961	2-	30.970	
39	P2			3-	61.916	4-	36.283	
40	P2			5-	20.677	6-	11.994	
41	P2			7-	14.112	8-	8.169	
42	P2			1-	15.581	2-	9.129	
43	P2			3-	7.178	4-	4.266	
45A	P2			5-	7.563	6-	4.498	
44	P2			7-	7.464	8-	4.537	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

24 Chl 59 50 m 19-008 Bot 7	25 Chl 59 40 m 19-008 Bot 8	26 Chl 59 30 m 19-008 Bot 9	27 Chl 59 20 m 19-008 Bot 10	28 A Chl 59 10 m 19-008 Bot 11	29 Chl 59 5 m 19-008 Bot 12	30 Chl 59 0 m 19-008 Bot 13	5004 CHL JF1 19-008 LOOP	5005 CHL JF2 19-008 LOOP	5006 CHL JF3 19-008 LOOP	5007 CHL JF4 19-008 LOOP
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32 30 CHL 19-008 Bot 2	34 A P1 5 CHL 19-008 Bot 4	35 CHL P2 100 m 19-008 Bot 1	36 CHL P2 75 m 19-008 Bot 2	37 A CHL P2 50 m 19-008 Bot 3	38 CHL P2 40 m 19-008 Bot 4	39 CHL P2 30 m 19-008 Bot 5	40 CHL P2 25 m 19-008 Bot 6	41 CHL P2 20 m 19-008 Bot 7	42 CHL P2 15 m 19-008 Bot 8	43 CHL P2 10 m 19-008 Bot 9
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45 A CHL P2 Chl Max 19-008 Bot 11	44 CHL P2 5 m 19-008 Bot 10
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Chlorophyll Data Sheet

Cruise: line P

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Dates of Cruise: 299-008

Time and date acetone added: 29 Aug 19 @ 4:31 pm

Analyst: Julian

Time and date out of freezer: 30 Aug 19 @ 2:55 pm

last one! (0)

Time analysis started: 3:31 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.013			
STD			LOW	2-	10.250			
STD			HIGH	4-	55.901			
Blank				6-	0.007	8-	0.005	
61B	P3			1-	4.569	2-	2.494	
65	P4			3-	5.027	4-	3.155	
66	P4			5-	13.070	6-	8.341	
67	P4			7-	18.477	8-	11.417	4 drops 1/20
68	P4			1-	20.154	2-	11.490	
72	P4			3-	7.837	4-	4.279	
73	P4			5-	5.334	6-	2.883	
183B	P5			7-	6.677	8-	3.562	
74	P4			1-	5.339	2-	2.858	
76A	P4			3-	5.474	4-	2.953	
77	P4			5-	5.551	6-	2.967	
69	P4			7-	22.921	8-	12.729	
70	P4			1-	17.054	2-	9.277	
71A	P4			3-	11.154	4-	6.072	
9025A	P6			5-	11.642	6-	6.461	
184A	P6			7-	12.249	8-	6.655	
185A	P7			1-	3.558	2-	1.919	
198	P8			3-	2.796	4-	1.850	
199B	P8			5-	5.670	6-	3.484	
200	P8			7-	20.919	8-	12.463	
206	P8			1-	4.831	2-	2.616	
207	P8			3-	5.067	4-	2.750	
209	P8			5-	5.090	6-	2.768	
201	P8			7-	21.830	8-	13.062	
Stand-by	Blank			1-	0.008		0.007	
Std	Low			2-	10.312			
Std	High			4-	56.193			
Blank	by			6-	0.012	8-		

61 B CHL P3 5 m 19-008 Bot 1	65 Chl P4 100 m 19-008 Bot 4	66 Chl P4 75 m 19-008 Bot 5	67 Chl P4 60 m 19-008 Bot 6	68 Chl P4 50 m 19-008 Bot 7	72 Chl P4 20 m 19-008 Bot 11	73 Chl P4 15 m 19-008 Bot 12	183 B CHL P5 5 m 19-008 Bot 1	74 Chl P4 10 m 19-008 Bot 13	76 A Chl P4 5 m 19-008 Bot 15
77 Chl P4 0 m 19-008 Bot 16	69 Chl P4 40 m 19-008 Bot 8	70 Chl P4 30 m 19-008 Bot 9	A 71 Chl P4 25 m 19-008 Bot 10	5025 P6 A Chl 2019-008 Loop	184 A CHL P6 5 m 19-008 Bot 1	185 CHL A P7 5 m 19-008 Bot 2	198 Chl P8 100 m 19-008 Bot 13	199 B Chl P8 75 m 19-008 Bot 14	200 Chl P8 60 m 19-008 Bot 15
206 Chl P8 15 m 19-008 Bot 21	207 Chl P8 10 m 19-008 Bot 22	209 Chl P8 5 m 19-008 Bot 24	201 Chl P8 50 m 19-008 Bot 16						

Chlorophyll Data Sheet

Cruise: 2019 - 008
Dates of Cruise: Line 8

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5107A
broken vial
transferred to
new one

Time and date acetone added: 21 Oct 19 1125 am.

Analyst: Tamara

Time and date out of freezer: 22 Oct 19 1145 am.

Time analysis started: 22 Oct 19 1248 pm

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.016			
STD			LOW	2-	10.151			
STD			HIGH	4-	55.620			
Blank				6-	0.006	8-	0.009	
5120A	LOOP	304	10	1-	5.750	2-	3.286	
888B	P4		10	3-	30.582	4-	18.237	
5121B	LOOP		10	5-	6.845	6-	3.871	
5116A	LOOP		10	7-	15.763	8-	8.614	
5108B	LOOP		10	1-	12.445	2-	6.697	
5111B	LOOP		10	3-	7.436	4-	4.122	
822B	P15		10	5-	24.042	6-	12.827	
5107A	LOOP		10	7-	18.975	8-	10.102	
P35 LOOP	6		10	1-	17.658	2-	9.586	
747A	P26		10	3-	22.105	4-	12.444	
709B	P25		10	5-	29.947	6-	15.426	
740B	P26		10	7-	15.406	8-	10.161	
669B	P23		10	1-	20.885	2-	10.756	
673B	P24		10	3-	26.947	4-	13.999	
654B	P22		10	5-	11.735	6-	6.324	
5080B	LOOP		10	7-	9.261	8-	5.138	
376B	P16		10	1-	26.896	2-	16.484	
630B	P21		10	3-	11.910	4-	6.470	
512B	P18		10	5-	8.137	6-	4.430	
5063	LOOP	P17	10	7-	5.641	8-	3.112	
5513 B	LOOP		10	1-	7.569	2-8	4.258	
5065A	LOOP		10	3-	12.736	4-	6.980	
581A	P20		10	5-	5.452	6-	3.145	
513B	P19		10	7-	8.536	8-	4.706	
Stand-by				1-				
Std	Low			2-				
Std	High			4-				
Blank	by			6-		8-		

5120
CHL A
Loop 120
19-008

888 B
Chl
P4
50 m
19-008
Bot 16

5112 B
CHL
loop 5112
5 m
19-008
Bot 1

5116 A
Chl
loop 5116
5 m
19-008
Bot 1

5108
CHL
loop
5 m
19-008
~~Bot 1~~

5111
CHLB
Loop
2019-008

872 B
CHL
P35
5 m
19-008
Bot 1

5107
Loop PA
3A CHL
2019-008

Loop
CHL B
P35
19-008

747 A
Chl
P26
10 m
19-008
Bot 13

709 B
Chl
P25
5 m
19-008
Bot 15

740 B
Chl
P26
60 m
19-008
Bot 6

669 B
Chl
P23
5 m
19-008
Bot 15

693 B
Chl
P24
5 m
19-008
Bot 23

654 B
Chl
P22
5 m
19-008
Bot 24

5080 B
CHL
19-008
Loop

376 B
Chl
P16
40 m
19-008
Bot 8

630 B
CHL
P21
5 m
19-008
Bot 19

512 B
Chl
P18
5 m
19-008
Bot 24

Loop 5063
0
CHL
P17
5 m
19-008
Bot 1

5513
CHLB
Loop
2019-008

5065
CHLA
Loop
2019-008

581 A
Chl
P20
25 m
19-008
Bot 10

513 B
CHL
P19
5 m
19-008
Bot 1

Chlorophyll Data Sheet

Cruise: 2019-008

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Dates of Cruise: Line P

Time and date acetone added: 21 Oct 19 2:20pm

Analyst: Tamara

Time and date out of freezer: 22 Oct 19 1:15pm

Time analysis started: 22 Oct 19 2:45pm

34B 20ml

new box of cuvettes

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.017			
STD			LOW	2-	10.139			
STD			HIGH	4-	55.498			
Blank				6-	-0.016	8-	-0.015	
253B	P10	304	10	1-	5.366	2-	2.898	
185B	P7		10	3-	3.404	4-	1.828	
5031A			10	5-	5.336	6-	3.059	
5036A	P11 LOOP		10	7-	5.679	8-	3.354	
254A	P11		10	1-	5.255	2-	2.861	
71B	P4		10	3-	10.653	4-	5.722	
5075	LOOP		10	5-	6.185	6-	3.413	
183A	P5		10	7-	6.118	8-	3.330	
37B	P2		10	1-	26.710	2-	16.630	
45B	P2		10	3-	7.000	4-	4.095	
5007	LOOP JF4		10	5-	124.643	6-	68.084	
34B	P1		20	7-	176.213	8-	93.393	
5005	LOOP JF2		10	1-	37.172	2-	21.582	
5006	LOOP JF3		10	3-	70.504	4-	40.081	
5004	LOOP JF1		10	5-	40.584	6-	23.570	
28B	59		10	7-	103.997	8-	55.796	
343B	P13		10	1-	4.176	2-	2.286	
5047	P13 LOOP		10	3-	3.720	4-	2.059	
320A	P12		10	5-	9.901	6-	5.392	
254B	P11		10	7-	5.288	8-	2.905	
316A	P12		10	1-7	28.161	2-	16.268	
320B	P12		10	3-	10.101	4-	5.465	
5210B	P9 LOOP		10	5-	5.850	6-	3.493	
210A	P9		10	7-	5.114	8-	2.814	
204	P8		10	1	7.999	2	4.362	
205A	P8		10	3	3.075	4	1.659	
Stand-by				1-	0.016			
Std	Low			2-	10.095			
Std	High			4-	55.600			
Blank	by			6-	-0.015	8-	-0.017	

253 **B**
CHL
P10
5 m
19-008
Bot 19

185 **B**
CHL
P7
5 m
19-008
Bot 2

5031
CHLA
19-008
LOOP

5036 **A**
chl
P11
100p
19-008

254 **A**
CHL
P11
5 m
19-008
Bot 1

71 **B**
Chl
P4
25 m
19-008
Bot 10

5075
CHLB
LOOP 74
2019-008

183 **A**
CHL
P5
5 m
19-008
Bot 1

37 **B**
CHL
P2
50 m
19-008
Bot 3

45 **B**
CHL
P2
Chl Max
19-008
Bot 11

5007
CHL
JF4
19-008
LOOP

34 **B**
P1
5 m
CHL
19-008
Bot 4

5005
CHL
JF2
19-008
LOOP

5006
CHL
JF3
19-008
LOOP

5004
CHL
JF1
19-008
LOOP

28 **B**
Chl
59
10 m
19-008
Bot 11

343 **B**
CHL
P13
5 m
19-008
Bot 1

5047
chl
P13
19-008
LOOP

320 **A**
Chl
P12
25 m
19-008
Bot 11

254 **B**
CHL
P11
5 m
19-008
Bot 1

316 **A**
Chl
P12
50 m
19-008
Bot 7

320 **B**
Chl
P12
25 m
19-008
Bot 11

LOOP **B**
P9
CHL
19-008
5210

210 **A**
CHL
P9
5 m
19-008
Bot 1

204
Chl
P8
25 m
19-008
Bot 19

205 **A**
Chl
P8
20 m
19-008
Bot 20

Chlorophyll Data Sheet

Cruise: 2019-008

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Dates of Cruise: Line P

Time and date acetone added: 22 Oct 19 11a.m.

Analyst: Tamara

Time and date out of freezer: 23 Oct 19 1030am

Time analysis started: 23 Oct 19 11:30am.

Sample #	Station	Vol filt	Vol acet		Rb		Ra	Comments
Stand-	by			1-	0.016			
STD			LOW	2-	10.116			
STD			HIGH	4-	55.101			
Blank				6-	-0.017	8-	-0.016	
205B	P8	304	10	1-	4.878	2-	2.630	
5210A	LOOP P9		10	3-	5.984	4-	3.541	
202	P8		10	5-	20.927	6-	12.539	
203	P8		10	7-	10.046	8-	5.609	
76B	P4		10	1-	5.301	2-	2.792	
61A	P3		10	3-	4.841	4-	2.624 2.622	
5036B	P11 LOOP		10	5-	3.660	6-	2.164	
184B	P6		10	7-	11.900	8-	6.527	
199A	P8		10	1-	5.694	2-	3.487	
253A	P10		10	3-	5.439	4-	2.949	
5031B	LOOP		10	5-	5.160	6-	2.877	
5025B	P6 LOOP		10	7-	11.343	8-	6.328	
210B	P9		10	1-	5.434	2-	2.921	
321	P12		10	3-	6.042	4-	3.246	
319	P12		10	5-	21.494	6-	12.449	
318	P12		10	7-	33.327	8-	19.757	
316B	P12		10	1-	28.880	2-	17.156	
315	P12		10	3-	19.227	4-	11.723	
314	P12		10	5-	8.500	6-	5.353	
313	P12		10	7-	1.663	8-	1.153	
325	P12		10	1-	4.211	2-	2.221	
324	P12		10	3-	4.196	4-	2.240	
323	P12		10	5-	4.220	6-	2.234	
322	P12		10	7-	4.331	8-	2.312	
343A	P13		10	1	4.050	2	2.202	
5047	P13 LOOP		10	3	3.788	4		
Stand-by				1-	0.017			
Std	Low			2-	10.040			
Std	High			4-	54.944			
Blank	by			6-	-0.017	8-	-0.05	

205
Chl B
P8
20 m
19-008
Bot 20
LOOP A
P9 A
CHL
19-008
5210

202
Chl
P8
40 m
19-008
Bot 17
203
Chl
P8
30 m
19-008
Bot 18

76
Chl
P4
5 m
19-008
Bot 15
61 A
CHL
P3
5 m
19-008
Bot 1

184 B
CHL
P6
5 m
19-008
Bot 1
5036 B
Chl
P11
loop
19-008
lost ~100mL

199 A
Chl
P8
75 m
19-008
Bot 14
253 A
CHL
P10
5 m
19-008
Bot 19

5031
CHL B
19-008
LOOP
5025
P6 B
CHL
2019-008
Loop

210 B
CHL
P9
5 m
19-008
Bot 1
321
Chl
P12
20 m
19-008
Bot 12
319
Chl
P12
30 m
19-008
Bot 10
318
Chl
P12
40 m
19-008
Bot 9

316
Chl
P12
50 m
19-008
Bot 7
315
Chl
P12
60 m
19-008
Bot 6
314
Chl
P12
75 m
19-008
Bot 5
313
Chl
P12
100 m
19-008
Bot 4
325
Chl
P12
0 m
19-008
Bot 16
324
Chl
P12
5 m
19-008
Bot 15
323
Chl
P12
10 m
19-008
Bot 14
322
Chl
P12
15 m
19-008
Bot 13

343 A
CHL
P13
5 m
19-008
Bot 1
5047
Chl
P13
19-008
LOOP