

Analysts: Kelly Young & Miranda Corkum Dates: 17-Sep to Program: JOIS / ARCTIC							Cruise ID: 2009-20 Ship: LSSL		V. Forsterland Turner 10-AU Feb 09 (Cal) #6341 (PENNA)	
DATE	STATION	SAMPLE #	V FILTERED (L)	EXTRACTED (mL)	Fo	Fa	NOTES			
19-Sep	AG-M	20A ✓	1.68	10	28.8	21.3	sat outside 1 hr			
		20B ✓	1.78		28.7	21.4				
		22 ✓	1.65		15.3	47.2	no duplicate taken			
		23A ✓	1.74		60.2	47.9				
		23B ✓	1.72		62.5	45.1				
20-Sep	CABOS	66A ✓	2.16		10.2	7.08	samples run immediately after collection			
		66B ✓	2.16		9.14	6.36				
		67A ✓	2.15		31.6	21.3				
		67B ✓	2.165		35.9	25.1				
		69A ✓	2.18		22.3	15.1				
		69B ✓	2.16		21.5	14.9				
21-Sep	CB-31b	91A ✓	2.18		57.3	37.5	bottle 22 did not close, therefore no samples taken			
		91B ✓	2.16		56.6	36.8	samples run immediately after collection			
		93A ✓	2.165		19.2	13.6				
		93B ✓	2.105		18.3	12.5				
22-Sep	CB-23a	114A ✓	2.16		32.4	23.3	samples run immediately after collection			
		114B ✓	2.15		33.3	25.1				
		115A ✓	2.05		26.8	20.0				
		115B ✓	1.82		24.9	17.9	stopped after 20 min			
		117A ✓	1.815		16.0	11.1	stopped after 20 min			
		117B ✓	1.96		17.9	12.2	stopped after 20 min			
23-Sep	CB-22	139A ✓	2.105		37.8	27.2	samples run immediately after collection			
		139B ✓	2.16		41.3	29.8				
		140A ✓	1.595		27.1	20.2	stopped after 20 min			
		140B ✓	1.67		30.7	22.6	stopped after 20 min			
		142A ✓	1.58		16.5	11.8	stopped after 20 min			
		142B ✓	1.161		16.8	11.9	stopped after 20 min			
23-Sep	CB-27	163A ✓	2.18		23.6	16.2	sat about 1 hr before filtered			
		163B ✓	2.19		28.1	19.6				
		164A ✓	1.82		23.3	16.7				
		164B ✓	1.79		23.4	16.1				
		165A -	-		-	-	spilled			
		165B ✓ one only	1.845		19.5	13.4				
23-Sep	MK-7	186A ✓	1.41		17.1	12.1	filtered about 1 hr after collection			
		186B ✓	1.415		17.1	12.1	no bottle 24 so sampled from 23 instead			
		188A ✓	1.615		13.9	9.58	stopped all samples after 20 min			
		188B ✓	1.455		13.0	8.87				
		189 - one only ✓	1.65		14.9	10.1	partial sample -> niskin empty			
24-Sep	STA-A	210A ✓	2.15		5.01	3.45	filtered immediately			
		210B ✓	2.14		5.31	3.71				
		211A ✓	2.18		23.8	18.5				
		211B ✓	2.175		19.7	13.7				
		212A ✓	2.17		25.4	18.7				
		212B ✓	2.1		27.9	19.5				
25-Sep	CB-29	235A ✓	2.19		20.9	14.4	filtered immediately			
		235B ✓	2.18		22.8	15.9				
		236A ✓	1.69		18.8	13.4				
		236B ✓	1.77		20.4	15.2				
		237A ✓	1.69		15.9	10.6				
		237B ✓	1.75		19.0	12.8				
27-Sep	CB-28aa	240A ✓	1.69		9.16	6.95	filtered after about 2 hrs			
		240B ✓	1.68		9.42	7.15				
		241A ✓	1.595		9.04	6.83				
		241B ✓	1.66		8.83	6.86				
		242A ✓	1.58		12.3	8.97				
		242B ✓	1.67		12.3	8.71				
27-Sep	CB-28b	290A ✓	2.16		37.4	26.8	filtered immediately			
		290B ✓	2.15		42.3	29.9				
		292 ✓	1.7		28.3	19.7				
		295 ✓	1.78		15.9	11.1				
28-Sep	BL-4	345A ✓	2.09	10	54.9	41.1	filtered immediately			
		345B ✓	2.18		57.8	42.9				

20 a	20 a	20 18	23 a	23 L	66 A	66 B	67 A	67 B	69 A	69 B
Chl_a	Chl_a	Chl_a	Chl_a	Chl_a	Chla	Chla	Chla	Chla	Chla	Chla
AG-M	AG-M	AG-M	AG-M	AG-M	CABOS	CABOS	CABOS	CABOS	CABOS	CABOS
001	001	001	001	001	003	003	003	003	003	003
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 20	Bot 20	Bot 20	Bot 23	Bot 23	Bot 20	Bot 20	Bot 21	Bot 21	Bot 23	Bot 23
1.68L	1.78L	2.2L	1.74L	1.72L	2.16L	2.105L	2.15L	2.165L	2.180L	2.16L
91A	91B	93A	93 B	114A	114B	115A	115B	117A	117B	139A
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-31b	CB-31b	CB-31b	CB-31b	CB-23A	CB-23A	CB-23A	CB-23A	CB-23A	CB-23A	CB-22
004	004	004	004	005	005	005	005	005	005	006
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 21	Bot 21	Bot 23	Bot 23	Bot 23	Bot 23	Bot 21A	Bot 21A	Bot 23A	Bot 23B	Bot 21
2.180L	2.16L	2.165L	2.105L	2.105L	2.105L	2.105L	2.105L	2.105L	2.105L	2.105L
139B	140A	140B	142B	142A	163	163	164A	164 B	165 B	186A
Chla	Chla	Chla	Chla	Chla	Chl_a	Chl_a	Chl_a	Chl_a	Chl_a	Chla
CB-22	CB-22	CB-22	CB-22	CB-22	CB-27	CB-27	CB-27	CB-27	CB-27	MK-7
006	006	006	006	006	007	007	007	007	007	008
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 21	Bot 22	Bot 22	Bot 24	Bot 24	Bot 21	Bot 21	Bot 22	Bot 22	Bot 23	Bot 20
2.16L	2.165L	2.180L	2.160L	2.15L	2.18L	2.10L	1.82L	1.79L	1.845L	2.150L
186B	188A	188B	190	210A	210B	211A	211B	212 A	212 B	235A
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
MK-7	MK-7	MK-7	MK-7	Sta-A	Sta-A	Sta-A	Sta-A	Sta-A	Sta-A	CB-29
008	008	008	008	009	009	009	009	009	009	010
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 20	Bot 22	Bot 22	Bot 24	Bot 20	Bot 20	Bot 21	Bot 21	Bot 22	Bot 22	Bot 21
2.140L	2.180L	2.175L	2.15L	2.15L	2.14	2.18L	2.175L	2.17L	2.10L	2.190L
235B	236A	236B	237A	237B	240A	240B	241A	241B	242A	242B
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-29	CB-29	CB-29	CB-29	CB-29	CB-28aa	CB-28aa	CB-28aa	CB-28aa	CB-28aa	CB-28aa
010	010	010	010	010	011	011	011	011	011	011
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 21	Bot 22	Bot 22	Bot 23	Bot 23	Bot 2	Bot 2	Bot 3	Bot 3	Bot 4	Bot 4
2.180L	2.170L	2.150L	2.140L	2.175L	2.19L	2.18L	2.175L	2.140L	2.15L	2.17L
290A	290B	292	295	345A	345B					
Chla	Chla	Chla	Chla	Chla	Chla					
CB-28b	CB-28b	CB-28b	CB-28b	BL-4	BL-4					
014	014	014	014	017	017					
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20					
Bot 18	Bot 18	Bot 20	Bot 23	Bot 17	Bot 17					
2.16L	2.15L	1.70L	1.78L	2.09L	2.18L					

Analysis Kelly Young & Miranda Corkum Dates 17-Sep to Program JOIS / ARCTIC						Cruise ID 2009-20 Ship USCGC		110151010 Turner 10-AD # 6341 CAP 618 09 (PENAL)
DATE	STATION	SAMPLE #	V FILTERED (L)	ACTETONE EXTRACTED (μ)	Fo	Dil	Fa	NOTES
4 Oct 4/10		346A ✓	1.77	10	44.4	11	32.3	
		346B ✓	1.75		50.5		37.2	
		347A ✓	1.75		36.2		23.7	
		347B ✓	1.65		36.9		25.9	
28-Sep	BL-8	369A ✓	2.15		28.7		20.7	filtered immediately
		369B ✓	2.16		29.5		21.8	
		370A ✓	2.175		10.7		75.7	
		370B ✓	2.035		10.7		74.9	
		371A ✓	1.63		43.5		30.9	
		371B ✓	1.845		53.3		37.9	
29-Sep	CB-2	410A ✓	2.105		38.4		29.7	
		410B ✓	2.085		37.1		28.3	
		411A ✓	2.175		23.6		16.8	
		411B ✓	2.15		24.4		17.3	
		413A ✓	2.18		20.7		15.2	
		413B ✓	2.16		23.2		16.9	
29-Sep	CB-4	434A ✓	2.17		40.1		29.2	filtered immediately
		434B ✓	2.15		40.0		29.8	
		435A ✓	2.18		32.8		24.1	
		435B ✓	2.16		32.1		23.7	
		436A ✓	1.85		20.6		13.8	
		436B ✓	1.78		20.1		13.4	
30-Sep	CB-5	489A ✓	2.17		41.9		32.3	filtered immediately
		489B ✓	2.17		41.7		33.8	
		490A ✓	2.16		40.4		29.9	
		490B ✓	2.16		40.1		29.4	
		491A ✓	1.79		53.9		38.2	end box 1 with 491A
		491B ✓	1.93		53.2		38.1	begin box 2 with 491B
01-Oct	CB-7	533A ✓	2.18		2.43		1.85	filtered immediately
		533B ✓	2.17		2.31		1.81	
		536A ✓	2.165		24.5		17.7	
		536B ✓	2.19		28.5		20.6	
		539A ✓	2.16		21.9		15.5	
		539B ✓	2.17		21.7		15.4	
01-Oct	CB-8	560A ✓	2.16		44.9		32.8	filtered immediately
		560B ✓	2.19	560B	45.2		32.8	
		561A ✓	1.91		27.1		18.1	
		561B ✓	1.88		27.2		18.1	
		562A ✓	2.17		20.4		14.6	
		562B ✓	2.18		21.9		15.4	
01-Oct	CB-9	579A ✓	2.19		32.4		24.1	filtered immediately
		579B ✓	1.64		48.3		36.3	- slow drip from these towers (edge of filters a bit mushed from tightening)
		581A ✓	1.705		33.8		24.6	- slow drip from these towers (edge of filters a bit mushed from tightening)
		581B ✓	2.16		36.7		27.0	- slow drip from these towers (edge of filters a bit mushed from tightening)
		583A ✓	1.7		30.7		20.8	- slow drip from these towers (edge of filters a bit mushed from tightening)
		583B ✓	1.635		28.4		19.4	
02-Oct	CB-10	630A ✓	2.16		58.3		43.6	filtered immediately
		630B ✓	2.16		57.4		45.7	
		631A ✓	2.17		49.9		36.2	
		631B ✓	2.18		50.3		36.7	
		634A ✓	2.17		28.7		20.7	
		634B ✓	2.19		27.8		20.4	
02-Oct	CB-60	702A ✓	2.2		36.9		28.7	filtered immediately (702A & 702B in second batch)
		702B ✓	2.14		40.5		31.5	
		704A ✓	2.17		36.1		27.1	
		704B ✓	2.16		37.2		27.4	
		705A ✓	2.165		36.8		26.8	
		705B ✓	2.175		38.1		28.8	

346A Chla BL-4 017 2009-20 Bot 18 2.15L	346B Chla BL-4 017 2009-20 Bot 18 2.16L	347A Chla BL-4 017 2009-20 Bot 19 1.75L	347B Chla BL-4 017 2009-20 Bot 19 1.65L	369A Chla BL-8 018 2009-20 Bot 21 2.150L	369B Chla BL-8 018 2009-20 Bot 21 2.16L	370A Chla BL-8 018 2009-20 Bot 22 2.175L	370B Chla BL-8 018 2009-20 Bot 22 2.035L	371A Chla BL-8 018 2009-20 Bot 23 2.180L	371B Chla BL-8 018 2009-20 Bot 23 2.105L
410A Chla CB-2 020 2009-20 Bot 21 2.105L	410B Chla CB-2 020 2009-20 Bot 21 2.085L	411A Chla CB-2 020 2009-20 Bot 22 2.175L	411B Chla CB-2 020 2009-20 Bot 22 2.15L	413A Chla CB-2 020 2009-20 Bot 24 2.18L	413B Chla CB-2 020 2009-20 Bot 24 2.16L	434A Chla CB-3 021 2009-20 Bot 21 2.17L	434B Chla CB-3 021 2009-20 Bot 21 2.15L	435A Chla CB-3 021 2009-20 Bot 22 2.18L	435B Chla CB-3 021 2009-20 Bot 22 2.16L
436A Chla CB-3 021 2009-20 Bot 23 1.85L	436B Chla CB-3 021 2009-20 Bot 23 1.78	489A Chla CB-5 024 2009-20 Bot 21 2.17L	489B Chla CB-5 024 2009-20 Bot 21 2.17L	490A Chla CB-5 024 2009-20 Bot 22 2.16L	490B Chla CB-5 024 2009-20 Bot 22 2.16L	491A Chla CB-5 024 2009-20 Bot 23 1.79L	491B Chla CB-5 024 2009-20 Bot 23 1.93L	533A Chla CB-7 026 2009-20 Bot 18 2.18L	533B Chla CB-7 026 2009-20 Bot 18 2.170L
536A Chla CB-7 026 2009-20 Bot 21 2.165L	536B Chla CB-7 026 2009-20 Bot 21 2.190L	539A Chla CB-7 026 2009-20 Bot 24 2.160L	539B Chla CB-7 026 2009-20 Bot 24 2.170L	560A Chla CB-8 027 2009-20 Bot 21 2.16L	560B Chla CB-8 027 2009-20 Bot 21 2.19L	561A Chla CB-8 027 2009-20 Bot 22 1.91L	561B Chla CB-8 027 2009-20 Bot 22 1.88L	562A Chla CB-8 027 2009-20 Bot 23 2.17	562B Chla CB-8 027 2009-20 Bot 23 2.18L
579A Chla CB-9 028 2009-20 Bot 16 2.190L	579B Chla CB-9 028 2009-20 Bot 16 2.170L	581A Chla CB-9 028 2009-20 Bot 18 2.165L	581B Chla CB-9 028 2009-20 Bot 18 2.16L	583A Chla CB-9 028 2009-20 Bot 20 2.180L	583B Chla CB-9 028 2009-20 Bot 20 2.170L	630A Chla CB-10 030 2009-20 Bot 20 2.16L	630B Chla CB-10 030 2009-20 Bot 20 2.16L	631A Chla CB-10 030 2009-20 Bot 21 2.17L	631B Chla CB-10 030 2009-20 Bot 21 2.18L
634A Chla CB-10 030 2009-20 Bot 24 2.17L	634B Chla CB-10 030 2009-20 Bot 24 2.19L	702A Chla CB-60 033 2009-20 Bot 21 2.200L	702B Chla CB-60 033 2009-20 Bot 21 2.140L	704A Chla CB-60 033 2009-20 Bot 23 2.170L	704B Chla CB-60 033 2009-20 Bot 23 2.16	705A Chla CB-60 033 2009-20 Bot 24 2.165	705B Chla CB-60 033 2009-20 Bot 24 2.175L		

Analysts: Kelly Young & Miranda Corkum		Cruise ID: 2009-20						U. Foersterland	
Dates: 17-Sep-10		Ship: LSSL						Turner 10-A-0 #6341	
Program: JOIS / ARCTIC								Cal Feb. 09 (PEN)	
								STDV Blank - 0.0 A.B. - 0.0	
DATE	STATION	SAMPLE #	V FILTERED (L)	EXTRACTED (m)	Fo	DIL	Fa	NOTES	
03-Oct	CB-61	725A ✓	2.14		9.06	1	6.44	filtered immediately	
		725B ✓	2.2		9.99		7.10		
		726A ✓	2.17		43.9		33.2		
		726B ✓	2.175		36.8		27.0		
		728A ✓	2.165		45.5		31.6		
		728B ✓	2.16		44.8		31.4		
03-Oct	CB-11b	750A ✓	2.175		46.8		34.6	filtered immediately	
		750B ✓	2.17		43.6		33.7		
		751A ✓	2.085		48.4		37.8		
		751B ✓	2.165		48.2		38.1		
		752A ✓	2.09		48.2		35.2		
		752B ✓	2.17		48.2		36.2		
04-Oct-09	CB-11	786A ✓	1.89		45.1		30.6	filtered immediately	
		786B ✓	1.9		47.7		32.2		
		787A ✓	1.9		33.1		24.7		
		787B ✓	1.995		36.1		26.2		
05-Oct-09	CB12b	809A ✓	2.17		49.8		39.1	filtered immediately	
		809B ✓	2.2		50.4		40.3		
		810A ✓	2.17		42.7		32.1		
		810B ✓	2.16		42.7		32.6		
		811A ✓	2.14		36.4		26.5		
		811B ✓	2.16		36.7		27.2		
06-Oct-09	CB-16	832A ✓	2.14		34.8		27.7	filtered immediately	
		832B ✓	2.17		32.1		23.0		
		833A ✓	2.2		30.2		22.4		
		833B ✓	2.165		28.1		20.4		
		835A ✓	2.175		34.8		25.0		
		835B ✓	2.16		33.5		24.4		
07-Oct-09	PP7a	855A ✓	2.17		11.9		8.53	filtered immediately	
		855B ✓	2.18		13.1		9.04		
		856A ✓	2.14		32.5		23.4		
		856B ✓	2.2		31.9		23.6		
		857A ✓	2.16		38.2		30.5		
		857B ✓	2.16		36.7		30.2		
		BLANK ✓			0.079		0.054	put filter in scint vial and in -80 with samples for filter blank	
08-Oct-09	CB-15	902A ✓	2.14		19.2		13.4	filtered 1 hr later	
		902B ✓	2.16		18.7		13.7		
		903A ✓	2.16		45.6		35.9		
		903B ✓	2.2		45.2		35.8		
		906A ✓	2.17		42.5		31.1		
		906B ✓	2.18		41.4		29.8		
08-Oct-09	CB-17	937A ✓	2.18		30.1		21.9	filtered immediately	
		937B ✓	2.16		30.8		22.5		
		939A ✓	2.17		37.5		27.7		
		939B ✓	2.165		36.8		27.1		
		940A ✓	2.14		37.2		27.5		
		940B ✓	2.2		40.9		29.6		
09-Oct-09	CB-18	960A ✓	2.14		12.0		7.55	filtered 1hr later	
		960B ✓	2.2		10.3		7.14		
		961A ✓	2.16		15.7		11.7		
		961B ✓	2.16		15.5		11.3		
		963A ✓	2.17		35.4		25.7		
		963B ✓	2.18		34.7		24.9	end of box 2	
09-Oct-09	CB-21	985A ✓	2.17		25.3		19.6	start of box 3. filtered immediately	
		985B ✓	2.2		26.2		20.1		
		987A 986A ✓	2.18		30.1		22.0		
		987B 986B ✓	2.165		27.9		20.6		
		988A ✓	2.16		35.8		27.2		
		988B ✓	2.14		35.9		26.8		
10-Oct-09	CB-40	1009A ✓	2.2		15.4		11.9	filtered immediately	
		1009B ✓	2.18		11.9		9.18		
		1010A ✓	2.17		30.2		23.7		

725A	725B	726A	726B	728A	728B	750A	750B	751A	751B
Chla	Chla	Chla	Chla	Chla	Chla	PamPro Chla CB-11b	PamPro Chla CB-11b	PamPro Chla CB-11b	PamPro Chla CB-11b
CB-61	CB-61	CB-61	CB-61	CB-61	CB-61	CB-11b	CB-11b	CB-11b	CB-11b
034	034	034	034	034	034	035	035	035	035
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-35	2009-35	2009-35	2009-35
Bot 20	Bot 20	Bot 21	Bot 21	Bot 23	Bot 23	Bot 21	Bot 21	Bot 22	Bot 22
2.140L	2.200L	2.170L	2.175L	2.165L	2.16L	2.175L	2.170L	2.085L	2.165L

752A	752B	786A	786B	787A	787B	809A	809B	810A	810B
PamPro Chla CB-11b	PamPro Chla CB-11b	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-11b	CB-11b	CB-11	CB-11	CB-11	CB-11	CB-12b	CB-12b	CB-12b	CB-12b
035	035	037	037	037	037	038	038	038	038
2009-35	2009-35	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 23	Bot 23	Bot 23	Bot 23	Bot 24	Bot 24	Bot 22	Bot 22	Bot 23	Bot 23
2.20L	2.170L	2.140L	2.140L	2.16L	2.165L	2.17L	2.20L	2.17L	2.16L

811A	811B	832A	832B	833A	833B	835A	835B	855A	855B
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-12b	CB-12b	CB-16	CB-16	CB-16	CB-16	CB-16	CB-16	PP-7a	PP-7a
038	038	039	039	039	039	039	039	040	040
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 24	Bot 24	Bot 21	Bot 21	Bot 22	Bot 22	Bot 24	Bot 24	Bot 20	Bot 20
2.14L	2.16L	2.140L	2.170L	2.200L	2.165L	2.175L	2.16L	2.170L	2.180L

856A	856B	857A	857B	2009-20 2009-20 Chla Blank filter	902A	902B	903A	903B
Chla	Chla	Chla	Chla		Chla	Chla	Chla	Chla
PP-7a	PP-7a	PP-7a	PP-7a		CB-15	CB-15	CB-15	CB-15
040	040	040	040		042	042	042	042
2009-20	2009-20	2009-20	2009-20		2009-20	2009-20	2009-20	2009-20
Bot 21	Bot 21	Bot 22	Bot 22		Bot 20	Bot 20	Bot 21	Bot 21
2.14L	2.20L	2.16L	2.16L		2.14	2.16L	2.16L	2.20L

906A	906B	937A	937B	939A	939B	940A	940B	960A
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-15	CB-15	CB-17	CB-17	CB-17	CB-17	CB-17	CB-17	CB-18
042	042	044	044	044	044	044	044	045
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 24	Bot 24	Bot 21	Bot 21	Bot 23	Bot 23	Bot 24	Bot 24	Bot 20
2.17L	2.18L	2.180L	2.16L	2.170L	2.165L	2.140L	2.200L	2.14L

960B	961A	961B	963A	963B	985A	985B	986A	986B	988A
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-18	CB-18	CB-18	CB-18	CB-18	CB-21	CB-21	CB-21	CB-21	CB-21
045	045	045	045	045	046	046	046	046	046
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 20	Bot 21	Bot 21	Bot 23	Bot 23	Bot 21	Bot 21	Bot 22	Bot 22	Bot 24
2.20L	2.16L	2.16L	2.17L	2.18L	2.170L	2.200L	2.170L	2.165L	2.16L

988B	961A	961B	963A	963B	985A	985B	986A	986B	988A
Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla	Chla
CB-21	CB-18	CB-18	CB-18	CB-18	CB-21	CB-21	CB-21	CB-21	CB-21
046	045	045	045	045	046	046	046	046	046
2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20	2009-20
Bot 24	Bot 21	Bot 21	Bot 23	Bot 23	Bot 21	Bot 21	Bot 22	Bot 22	Bot 24
2.140L	2.16L	2.16L	2.17L	2.18L	2.170L	2.200L	2.170L	2.165L	2.16L

Analysts: Kelly Young & Miranda Corkum								
Dates: 17-Sep to				Cruise ID: 2009-20				
Program: JOIS / ARCTIC				Ship: LSSL				
DATE	STATION	SAMPLE #	V FILTERED (L)	EXTRACTED (m	Fo	<i>Dil</i> Fa	NOTES	
		1010B ✓	2.16		27.7	1 21.3		
		1012A ✓	2.16		33.6	24.7		
		1012B ✓	2.14		33.8	25.3		
12-Oct-09	CB-6e	1079A ✓	2.16		8.02	5.92	filtered immediately	
		1079B ✓	2.14		7.88	5.81		
		1080A ✓	2.17		30.6	23.4		
		1080B ✓	2.165		35.4	27.8		
		1083A ✓	2.2		31.0	23.8		
		1083B ✓	2.18		30.9	23.1		
	?	BLANK ✓					put filter in scint vial and in -80 with samples for filter blank	
12-Oct-09	CB-21	1089A ✓	2.165		28.2	22.1	filtered immediately	
		1089B ✓	2.17		28.2	22.3		
		1094A ✓	2.18		38.9	28.1		
		1094B ✓	2.16		38.1	27.8		
		1098A ✓	2.14		39.2	29.9		
		1098B ✓	2.2		38.8	29.6		
13-Oct-09	CB-22	1120A ✓	2.16		29.7	23.1	filtered immediately	
		1120B ✓	2.165		31.2	24.6		
		1121A ✓	2.2		27.6	20.8		
		1121B ✓	2.18		27.4	20.8		
		1122A ✓	2.14		33.6	25.3		
		1122B ✓	2.17		33.4	25.7		

(22)

1010 ^B Chla CB-40 047 2009-20 Bot 22 2.16L	1012 ^A Chla CB-40 047 2009-20 Bot 24 2.16L	1012 ^B Chla CB-40 047 2009-20 Bot 24 2.14L	1079 ^A Chla CB-6e 050 2009-20 Bot 20 2.16L	1079 ^B Chla CB-6e 050 2009-20 Bot 20 2.14L	1080 ^A Chla CB-6e 050 2009-20 Bot 21 2.17L	1080 ^B Chla CB-6e 050 2009-20 Bot 21 2.15L	1083 ^A Chla CB-6e 050 2009-20 Bot 24 2.20L	1083 ^B Chla CB-6e 050 2009-20 Bot 24 2.18L
---	---	---	---	---	---	---	---	---

1089 ^A Chla CB-21 051 2009-20 Bot 6 2.15L	1089 ^B Chla CB-21 051 2009-20 Bot 6 2.170L	1094 ^A Chla CB-21 051 2009-20 Bot 11 2.180L	1094 ^B Chla CB-21 051 2009-20 Bot 11 2.16L	1098 ^A Chla CB-21 051 2009-20 Bot 15 2.140L	1098 ^B Chla CB-21 051 2009-20 Bot 15 2.200L	1120 ^A Chla CB-22 052 2009-20 Bot 21 2.16L	1120 ^B Chla CB-22 052 2009-20 Bot 21 2.165L
--	---	--	---	--	--	---	--

1121 ^A Chla CB-22 052 2009-20 Bot 22 2.200L	1121 ^B Chla CB-22 052 2009-20 Bot 22 2.180L	1122 ^A Chla CB-22 052 2009-20 Bot 23 2.170L	1122 ^B Chla CB-22 052 2009-20 Bot 23 2.170L
--	--	--	--