

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: GEO1 Event #: 3 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 4 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments/Event number	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA	DIC	Oxy	Nuts			
1	✓	1	b-10	✓ 390	x						x	x	x			190 ✓ 190
2		2	200	✓	x						x	x	x			
3		3	100	✓	x						x	xx	x			290 ✓ 100
4		4	75	✓	xx						x	x	x			305 ✓ 25
5		5	50	✓	x						xx	x	x			340 ✓ 25
6		6	20	✓	x						x	x	xx			370 ✓ 30
7		7	5	✓	x						x	x	x			385 ✓ 15
8		8	0	✓	x						x	x	x			390 ✓ 5
9		9	0			x	xx									event 4 0
10		1	0						x							for this Pom-SI - No sample #
11		10	5-0							x						2-5L Niskins mixed, 1@5m, 1@0m
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 400 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom/mR	21:25	
End		

for this Pom-SI

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49 ° 15.009 N

Lon: 123 ° 45.414 W

End

Lat: ° N

Lon: ° W

chla 304mL HPLC - 1985 1460 ml

Extra comments:

1-8 = 5L Niskins chained together on wire

9 + 10 = 0+5m fired at one time

POM-SI - Niskin on pole.

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: BS-11 Event #: 6+7 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		11	0			x	xx	x								event 7
2		12	0						x							event 6
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin ☒ Other?

Watchkeeper(s): KY

Bottom Depth: 63 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	15:32	#6
Bottom	15:34	#7
End		

Positional Information

Start

Lat: 49 ° 29.007 N

Lon: 124 ° 45.905 W

Bottom

Lat: 49 ° 29.010 N

Lon: 124 ° 45.907 W

End

Lat: ° N

Lon: ° W

Extra comments:

chl-a 304mL

HPLC - 1040 mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: CPF2 Event #: 10, 12-13 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments/Event number	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA	DIC	Oxy	Nuts			
1		13	b-10	✓	323	x					x	x	x			event 12
2		14	200	✓		xx					x	x	x			2-123
3		15	100	✓		x					x	xx	x			2-100
4		16	75	✓		x					x	x	xx			2-25
5		17	50	✓		x					x	x	x			2-25
6		18	20	✓		x					xx	x	x			2-30
7		19	5	✓		x					x	x	x			2-15
8		20	0	✓		x					x	x	x			2-5
9		21	0	✓					x							event 10
10		22	5-0	✓						x						2-500f
11																2-5L Niskins mixed, 1@5m, 1@0m
12																event 13
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS TRM X-Niskin other? ☒

Watchkeeper(s): KY

Bottom Depth: 333 m

Transmissometer Cleaned: ☒ Y ☐ N

flwr

Time	UTC	Local
Start	17:45	#12
Bottom	18:10	#13
End		

Positional Information #12

Lat: 49 ° 27.996 N

Lon: 124 ° 29.988 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

0-20 m fired together
msg. didn't go
fired last bottles @17:50
49 27.995
124 29.991

chl-a 304 ml

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 3 Event #: 15 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		23	0			x	xx									
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin ~~other?~~

Watchkeeper(s): KY

Bottom Depth: 328 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	18:56	10:56
Bottom		
End		

Positional Information

StartLat: 49 ° 26.595 N
Lon: 124 ° 20.181 W

BottomLat: ° N
Lon: ° W

EndLat: ° N
Lon: ° W

Extra comments:

chl a 304mL HPLC 1040mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 6 Event #: 17 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		24	0	✓			x	xx								
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
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15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 196 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	20:03	12:03
Bottom		
End		

Positional Information MR

Start

Lat: 49 ° 30.60 N

Lon: 124 ° 27.78 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

chl a - 304 mL

HPLC - 1040 mL

cl

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 9 Event #: 19 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		25	0	✓		xx	xx									
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 173 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	21:07	13:07
Bottom		
End		

Positional Information

StartLat: 49 ° 35.491 N
Lon: 124 ° 38.300 W

BottomLat: ° N
Lon: ° W

EndLat: ° N
Lon: ° W

Extra comments:

chl-a 304mL
HPLC 1040 mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 11 Event #: 21-22 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA							
1		26	5-0	✓						x							2-5L Niskins mixed, 1@5m, 1@0m
2		27	0	✓					x								event 21
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 306 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start # 21	22:06	14:06
Bottom # 22	22:22	14:22
End		

Positional Information

StartLat: 49 ° 42.397 N # 21
Lon: 124 ° 43.402 W

BottomLat: 49 ° 42.390 N # 22
Lon: 124 ° 43.416 W

EndLat: ° N
Lon: ° W

Extra comments:
pom-si 2L

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 12 Event #: 25 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 5 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		28	0	✓			xx	xx	x							
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 361 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	23:05	15:05
Bottom		
End		

Positional Information

Start

Lat: 49 ° 43.595 N

Lon: 124 ° 40.815 W

▼

Bottom

Lat: ° N

Lon: ° W

▼

End

Lat: ° N

Lon: ° W

Extra comments:

HPLC - 1660 mL

chl-a - 304 mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 22 Event #: 28-30 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 6 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		31	5-0	✓						x					2-5L Niskins mixed, 1@5m, 1@0m
2		29	0	✓					x						event 28
3		30	0	✓		x	xx	x							event 29
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 353 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start 28	16:41	
Bottom 29	16:41	
End 30	16:59	

Positional Information

Start

Lat: 49 ° 40.197 N

Lon: 124 ° 16.288 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: 49 ° 40.190 N

Lon: 124 ° 16.290 W

Extra comments:

HPLC -

chl-a - 304 mL

Cruise ID: 2019-007 Station: 24 Event #: 35 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 6 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1			b-10		xx										*only needed if no other SALs collected on the day
2		32	0	☒					x						
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin ~~Other?~~

Watchkeeper(s): KY

Bottom Depth: 431 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	19:09	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 30.291 N

Lon: 124 ° 5.988 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 2 Event #: 38 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 6 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		33	0	✓		xx	xx	x								
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 281 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	20:31	12:31
Bottom		
End		

Positional Information

Start

Lat: 49 ° 24.098 N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

chl-a - 304 mL

HPLC - 1040 mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: CPF1 Event #: 40-41 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 6 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		35	5-0	✓						x					2-5L Niskins mixed, 1@5m, 1@0m
2		34	0	✓					x						event 40
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin ~~other?~~

Watchkeeper(s): KY

Bottom Depth: 249 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start #40	21:07	
Bottom #41	21:20	
End		

Positional Information

Start

Lat: 49 ° 21.992 N

Lon: 124 ° 4.979 W

Bottom

Lat: 49 ° 22.001 N

Lon: 124 ° 4.985 W

End

Lat: ° N

Lon: ° W

Extra comments:

Cruise ID: 2019-007 Station: 28 Event #: 44-45 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 6 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		36	0	✓					x						event 44
2		37	0	✓		x x	xx								event 45
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 138 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start 44	22:59	14:59
Bottom 45	23:01	15:01
End		

Positional Information

StartLat: 49 ° 24.103 N
Lon: 123 ° 45.289 W

BottomLat: 49 ° 24.102 N
Lon: 123 ° 45.291 W

EndLat: ° N
Lon: ° W

Extra comments:

chl-a = 304 mL

Cruise ID: 2019-007 Station: 27 Event #: 48 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 6 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		38	0	☒		xx	xx	x								
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 351 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	23:54	15:54
Bottom		
End		

Positional Information

Start

Lat: 49 ° 19.102 N

Lon: 123 ° 48.022 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

chl-a 304mL

HPLC- 1040mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 39 Event #: 52 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		39	0	✓		x	xx									
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 382 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	17:15	9:15
Bottom		
End		

Positional Information

Start

Lat: 49 ° 9.804 N

Lon: 123 ° 33.018 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

chl-a 304 mL

HPLC - 1040 mL

Cruise ID: 2019-007 Station: 38 Event #: 54 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		41	b-10		xx										*only needed if no other SALs collected on the day
2		40	0	☒					x						
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 312 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	18:01	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 12.010 N

Lon: 123 ° 26.407W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 41 Event #: 58-59 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		42	5-10	✓						x					2-5L Niskins mixed, 1@5m, 1@0m #59
2		41	0	✓					x						event 58
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 244 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	58 20:08	12:08
Bottom	59 20:21	12:21
End		

Positional Information

StartLat: 49 ° 3.301 N
Lon: 123 ° 22.278 W

BottomLat: 49 ° 3.311 N
Lon: 123 ° 22.289 W

EndLat: ° N
Lon: ° W

Extra comments:

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 42 Event #: 62 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chi	HPLC	Phyto	POM-SI	POM-FA					
1		43	0	☒		x	xx	x							
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 324 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	21:01	13:01
Bottom		
End		

Positional Information

Start

Lat: 49 ° 1.812 N

Lon: 123 ° 26.175 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

chl a - 304 mL

HPLC - 1040 mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 46 Event #: 64, 65, 67 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments/		
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA	DIC	Oxy	Nuts					Event number
1		46	b-10	✓	172	x						x	x	x				event 67 72 25 25 30 15 5
2		47	100	✓		xx						xx	x	x				
3		48	75	✓		x						x	x	xx				
4		49	50	✓		x						x	x	x				
5		50	20	✓		x						x	xx	x				
6		51	5	✓		x						x	x	x				
7		52	0	✓		x						x	x	x				
8		45	0	✓			xx	xx									event + 65	
9		44	0	✓					x								event 64	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 182 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start 64	22:49	
Bottom 65	22:50	
End 67	23:19	15:19

Positional Information

Start

Lat: 48 ° 51.413 N

Lon: 123 ° 10.813 W

Bottom

Lat: 48 ° 51.414 N

Lon: 123 ° 10.807 W

End

Lat: 48 ° 51.417 N

Lon: 123 ° 10.799 W

Extra comments:

chl a - 304 mL

HPLC - 1040 mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 56 Event #: 69 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 7 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		53	0	☒		xx	xx								
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 215 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0:29	16:29
Bottom		
End		

Positional Information

StartLat: 48 ° 46.429 N
Lon: 123 ° 1.607 W

BottomLat: ° N
Lon: ° W

EndLat: ° N
Lon: ° W

Extra comments:

chl-a 304mL
HPLC 1040mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: 59 Event #: 71-73 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 8 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA					
1		56	0-5m	✓						x					2-5L Niskins mixed, 1@5m, 1@0m
2		54	0	✓					x						event 71
3		55	0	✓		x	xx								event 72
4															
5															
6															
7															
8															
9															
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16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 234 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start 71	16:37	08:37
Bottom 72	16:39	
End 73	16:51	

Positional Information

StartLat: 48 ° 37.036 N
Lon: 123 ° 14.974 W

BottomLat: 48 ° 37.021 N
Lon: 123 ° 14.969 W

EndLat: 48 ° 37.037 N
Lon: 123 ° 14.989 W

Extra comments:

chl 301mL
HPLC - 1040mL

Water Properties Group

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2019-007 Station: SC-04 Event #: 78-79 Ship: Neocaligus UTC Date (dd|mmm|yyyy): 8 | Mar | 2019

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓	Pressure	Sal	Chl	HPLC	Phyto	POM-SI	POM-FA						
1		57	0	✓						x							event 78
2		58	0	✓			x	xx	x								event 79
3																	
4																	
5																	
6																	
7																	
8																	
9																	
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14																	
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16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): KY

Bottom Depth: 89 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start 78	19:01	11:01
Bottom 79	19:02	
End		

Positional Information

StartLat: 48 ° 43.508 N
Lon: 123 ° 25.903 W

BottomLat: 48 ° 43.509 N
Lon: 123 ° 25.904 W

EndLat: ° N
Lon: ° W

Extra comments:

chl a 304 mL
HPLC 1040 mL