

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

JS01

Event #:

150

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

24-05-2023

Niskin #

Firing #

Sample #

Target Pressure

Operation Confirmed

Pressure

OXY

Sal

Nut-F

CHL

HPLC

DIC

BIOTX

All Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS

Watchkeeper(s): Chloé Immonen

Bottom Depth: 367

Trans Clean: (yes) Fl.

Par Status: ON

Time

UTC

Local

Start

19:12

12:12

Bottom

19:19

12:19

End

19:43

12:43

Positional Information

Start

Lat: 50° 30.436 N

Lon: 126° 28.342 W

Bottom

Lat: 50° 30.433 N

Lon: 126° 28.421 W

End

Lat: 50° 30.436 N

Lon: 126° 28.617 W

Extra comments:

Version:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

SS5

Event #:

146

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

24-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments
			Target Pressure	Confirmed ☒ Pressure	CHL	Nut-F	HPLC	DA	BIOTX	UBC	UVIC	Lugol's	All Samples	
1	1	515	20	☒ 20							X			
2		516	10	☒ 10							X			
3		517	5	☒ 5	X	X	XX	X				X		
4		518	5	☒ 5					XX					
5		519	5	☒ 5							X			
6														
7														
8														
9														
10														
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22														
23														
24														

Profile type: ROS

Watchkeeper(s): Chloe Immensen

Bottom Depth: 200

Trans Clean: ☒ yes FI.

Par Status: 0N

Time	UTC	Local
Start	03:52	2052
Bottom	03:56	2056
End	04:05	21:05

Positional Information

Lat: 51° 27.948

Lon: 128° 30.106

Bottom

Lat: 51° 27.933

Lon: 128° 30.119

End

Lat: 51° 27.92

Lon: 128° 30.173

Extra comments:

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

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

Cruise ID:

2023-019

Station:

CS09

Event #:

136

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

24 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Chito	BIOTX	UVIC	NH4BF		Save sheet after printing labels:	YES
1	1	493	Bot-5	✓ 190	X											
2		494	Bot-10	✓ 185	X	X										
3		495	175	✓ 175	X	X										
4		496	150	✓ 150	X	X										
5		497	150	✓ 150						X						
6		498	125	✓ 125	X	XX										
7		499	100	✓ 100	X	X										
8		500	100	✓ 100						X						
9		501	75	✓ 75	X	X										
10		502	50	✓ 50	XX	X	X									
11		503	50	✓ 50						X						
12		504	30	✓ 30	X	X	XX									
13		505	20	✓ 20	X	X	X		XX				X			
14		506	20	✓ 20						X						
15		507	20	✓ 20									X			
16		508	10	✓ 10	X	X	X		XX				X			
17		509	10	✓ 10						X						
18		510	10	✓ 10									X			
19		511	5	✓ 5	X	X	X	XX	XX				X			
20		512	5	✓ 5						X						
21		513	5	✓ 5							XX					
22		514	5	✓ 5								X				
23																
24																

Version: 1

Profile type: ROS

Watchkeeper(s): FEL/CT

Bottom Depth: 195

Trans Clean: yes FL

Par Status: ON

Time UTC Local

Start 0011 1911

Bottom 0017

End 0042

Positional Information

Lat: 51 12.469

Lon: 128 27.895

Bottom

Lat: 51 12.451

Lon: 128 27.886

End

Lat: 51 12.43

Lon: 128 27.983

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

CS06

Event #:

130

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

23-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	Lugol's	DA	BIOTX	UVC	Save sheet after printing labels: YES	
1	1	481	Bot-5	✓ 58.5	x											
2		482	Bot-10	✓ 53.5	x		xx									
3		483	50	✓ 51	xx		x	x								
4		484	30	✓ 50	x		x	x								
5		485	20	✓ 20	x		x	xx		xx						
6		486	20	✓ 20									x			
7		487	10	✓ 10	x		x	x		xx						
8		488	10	✓ 10									x			
9		489	5	✓ 5	x	x										
10		490	5	✓ 5			x	x	xx	xx		x				
11		491	5	✓ 5								x				
12		492	5	✓ 5									x			
13																
14																
15																
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18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): FL

Bottom Depth: 64

Trans Clean: yes ☒ FI.

Par Status:

Time	UTC	Local
Start	20:11	13:11
Bottom	20:13	13:13
End	20:31	13:31

Positional Information

Lat: 51° 0.073

Lon: 128° 51.668

Bottom

Lat: 51° 0.074

Lon: 128° 51.662

End

Lat: 51° 0.064

Lon: 128° 51.683

Extra comments:

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

UTC Date (dd-mm-yyyy):

Save sheet after printing labels:

Watchkeeper(s):

1651

Z

Q

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

CS04

Event #:

120

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

Niskin #

Firing #

Sample #

Rosette Operation
Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken
OXY Nut-F CHL HPLC NH4 UVC

Sample Lists: All_Samples

Comments
Save sheet after printing labels:
YES

Profile type:

ROS

Watchkeeper(s): CI, FL

Bottom Depth:

Trans Clean: yes ☒ FI.

Par Status:

Time UTC Local

Start 05:42 22:42

Bottom 05:44 22:44

End 06:02 23:02

Positional Information

Lat: 50° 49.304

Lon: 129° 13.059

Start

Lat: 50° 49.318

Lon: 129° 13.102

Bottom

Lat: 50° 49.428

Lon: 129° 13.398

End

Extra comments:

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

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

Cruise ID:

2023-019

Station:

CS02

Event #:

114

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

23.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Chito	UVIC	All_Samples	Save sheet after printing labels:	YES
1	1	9444	Bot-10	✓	1909	x		x	x						Duplicate of event 108 changed on label sheet, log to 9444 + 9445	
2		9445	1500	✓	1500	x		xx	x							
3		446	1250	✓	1250	x		x	xx							
4		447	1000	✓	1000	x	x	x	x							
5		448	750	✓	750	xx	x	x	x							
6		449	500	✓	500	x	xx	x	x							
7		450	400	✓	400	x		x								
8		451	300	✓	300	x		x								
9		452	250	✓	250	x		x				x				
10		453	200	✓	200	x		xx								
11		454	175	✓	175	x		x								
12		455	150	✓	150	x		x				x				
13		456	125	✓	125	xx		x								
14		457	100	✓	100	x		x								
15		458	75	✓	75	x		x								
16		459	50	✓	50	x		x								
17		460	50	✓	50							x				
18		461	30	✓	30	x		x								
19		462	20	✓	20	xx		x			xx					
20		463	20	✓	20							x	xxxx			
21		464	10	✓	10	x		x		xx		xx				
22		465	10	✓	10							x	xxxx			
23		466	5	✓	5	x		x		xx						
24		467	5	✓	5							x	xxxx			

Profile type:	ROS
Watchkeeper(s):	Chloe Immanuel

Bottom Depth:	1909
Trans Clean:	(yes) FI.
Par Status:	on

Time	UTC	Local
Start	6059	17:59
Bottom	0132	1832
End	0231	1931

Positional Information

Lat:	50° 41.273 N
Lon:	129° 27.982 W

Bottom

Lat:	50° 41.249 N
Lon:	129° 28.1 W

End

Lat:	50° 41.298 N
Lon:	129° 28.15 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

CS00

Event #:

108

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

22 May 2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				All_Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	DA	BIOTX	UVIC				Save sheet after printing labels:	YES
1	1	422	2000	✓	2000	X	X	X	X											
2		423	1500	✓	1500	X	XX	XX	XX											
3		424	1250	✓	1250	X	XX	X	X											
4		425	1000	✓	1000	X	XX	X	X											
5		426	750	✓	750	XX	X	X	X											
6		427	500	✓	500	X	X	X	X											
7		428	400	✓	400	X	X	X	X											
8		429	300	✓	300	X	X	X												
9		430	250	✓	250	X	X	X												
10		431	200	✓	200	X	X	XX												
11		432	175	✓	175	X	X	X												
12		433	150	✓	150	XX	X	X												
13		434	125	✓	125	X	X	X												
14		435	100	✓	100	X	X	X												
15		436	75	✓	75	X	X	X												
16		437	50	✓	50	X	X	X	XX											
17		438	30	✓	30	X	X	X												
18		439	20	✓	20	XX	X	X			XX									
19		440	20	✓	20															
20		441	10	✓	10	X	X	X			XX									
21		442	10	✓	10															
22		443	5	✓	5	X	X													
23		444	5	✓	5			X		XX	XX	X	X							
24		445	5	✓	5								XX	X						

Version:

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 2182

Trans Clean: (yes) FL

Par Status: 0m

Time	UTC	Local
Start	1708	1508
Bottom	1746	1046
End	18:54	11:54

Positional Information

Lat: 50° 27.697 N

Lon: 129° 54.914 W

Bottom

Lat: 50° 27.714 N

Lon: 129° 54.918 W

End

Lat: 50° 27.74 N

Lon: 129° 54.97 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LBP3

Event #:

98

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

22-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All Samples				Comments		
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	Lugol's	Form	Glut	DA	Chlto	UVC		NH4BF	
1	1	405	Bot-10	✓ 154	x		x												
2		406	150	✓ 150	x	x	xx								x				
3		407	125	✓ 125	x		x												
4		408	100	✓ 100	x		x								x				
5		409	75	✓ 75	x		x												
6		410	50	✓ 50	x		x	x											
7		411	50	✓ 50											x				
8		412	30	✓ 31	x		x	x											
9		413	20	✓ 20	x		x	xx		xx							x		
10		414	20	✓ 20											x	x			
11		415	10	✓ 10	x		x	x		xx							x		
12		416	10	✓ 10											x				
13		417	10	✓ 10												x			
14		418	5	✓ 5	xx														
15		419	5	✓ 5			x	x	xx	xx	x	x	x				x		
16		420	5	✓ 5											x				
17		421	5	✓ 5												x			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS

Watchkeeper(s): CI/FL

Bottom Depth: 165

Trans Clean: yes ✓ Fl.

Par Status:

Time	UTC	Local
Start	02:29	19:29
Bottom	02:29	19:29
End	02:50	19:50

Positional Information

Lat: 50°3.18

Lon: 127°55.158

Bottom

Lat: 50°3.182

Lon: 127°55.14

End

Lat: 50°3.133

Lon: 127°55.064

Extra comments:

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

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

Cruise ID:

Station:

LBP5

Event #:

95

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

21-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	UVIC	All_Samples	Save sheet after printing labels: YES
1	1	383	Bot-10	✓ 1254	x		x	x						
2		384	1250	✓ 1250	x	x	x	x						
3		385	1000	✓ 1000	x	x	xx	xx						
4		386	750	✓ 749	x		x	x						
5		387	500	✓ 500	x		x	x						
6		388	400	✓ 399	xx		x	x						
7		389	300	✓ 300	x		x							
8		390	250	✓ 250	x		x							
9		391	200	✓ 200	x		x							
10		392	175	✓ 175	x		x							
11		393	150	✓ 150	x		x							
12		394	125	✓ 125	x		x							
13		395	100	✓ 100	x		x							
14		396	75	✓ 75	x		x							
15		397	50	✓ 50	xx		xx		x					
16		398	30	✓ 30	x		x		xx					
17		399	20	✓ 20	x		x		x		xx			
18		400	20	✓ 20								x		
19		401	10	✓ 11	x		x		x		xx			
20		402	10	✓ 11								x		
21		403	5	✓ 6			x		x	xx	xx			
22		404	5	✓ 6								x		
23														
24														

Version: 1

Profile type: ROS

Watchkeeper(s): G

Bottom Depth: 1281

Trans Clean: (yes) FL.

Par Status: on

Time	UTC	Local
Start	22:33	15:33
Bottom	22:57	15:57
End	23:53	16:53

Positional Information

Lat: 49° 59.886 N

Lon: 128° 0.007 W

Bottom

Lat: 49° 59.846 N

Lon: 128° 0.005 W

End

Lat: 49° 59.801 N

Lon: 128° 0.092 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

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

Cruise ID:

2023-019

Station:

LBP7

Event #:

92

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

21 May 2023

Niskin #

Firing #

Sample #

Target Pressure

Confirmed

Pressure

OXY

Sal

Nut-F

Nut-C

CHL

HPLC

NH4

Lugol's

Glut

Form

DA

UVIC

Comments

Save sheet after printing labels:

YES

Profile type:

ROS

Watchkeeper(s):

MB / CI

1

359

2000

✓

7m

x

xx

x

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x

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14

372

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LBP8

Event #:

81

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

21 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	CHL	Chito	UVC	All_Samples	Save sheet after printing labels:	
1	1	350	250	✓ 250		x				
2	7	351	150	✓ 100		x				
3	3	352	50	✓ 50	x	x				
4	4	353	20	✓ 20	x	x				
5	5	354	20	✓ 20			x			
6	6	355	10	✓ 10			x			
7	7	356	10	✓ 10	x	x				
8	8	357	5	✓ 5	x	x				
9	9	358	5	✓ 5			x			
10										
11										
12										
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18										
19										
20										
21										
22										
23										
24										

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth:

Trans Clean: (yes) FL.

Par Status: ON

Time

UTC

Local

Start

1354

0654

Bottom

1429

End

1515

Positional Information

Lat:

49 48 71.7

Lon:

128 16 729

Bottom

Lat:

49 48 637

Lon:

128 16 838

End

Lat:

49 48 691

Lon:

128 16 790

Extra comments:

Water Properties Group

Program
STN List:

All_Sns

Sampling Log

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

Cruise ID:

2023-019

Station:

LG01

Event #:

87

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

21-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	OXY	Nit-F	CHL	HPLC	NH4	UVIC	NH4BF	All_Samples	
1	1	342	Bot-10	45	X	X	X						
2		343	30	30	XX	X	X						
3		344 343	20	20	X	XX	XX		XX		X		
4		345 344	20	20						XXXX			
5		346 345	10	10						XXXX			
6		347 346	10	10	X	X	X		XX		X		
7		348 347	5	5	X	X	X	XX	XX				
8		349 348	5	5						XXXX			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS

Watchkeeper(s): CI, FL

Bottom Depth: 54

Trans Clean: yes ☒ Fl.

Par Status:

Time	UTC	Local
Start	04:38	21:38
Bottom	04:41	21:41
End	04:50	21:50

Positional Information

Lat: 49°20.478

Lon: 126°34.946

Bottom

Lat: 49°20.478

Lon: 126°34.963

End

Lat: 49°20.479

Lon: 126°34.968

Extra comments:

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LG02

Event #:

85

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

21-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:				All Samples		Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Lugol's	Form	Glut	DA	Chito	BIOTX	UVC					Save sheet after printing labels:			
1	1	326	Bot-10	✓ 89	x	x								x					x					
2		327	75	✓ 75	xx	x								x										
3		328	50	✓ 50	x	xx	x																	
4		329	50	✓ 50										x										
5		330	30	✓ 30	x	x	xx																	
6		331	20	✓ 20										x		xxxx								
7		332	20	✓ 20										x										
8		333	20	✓ 20	x	x	x		xx															
9		334	10	✓ 10	x	x	x		xx															
10		335	10	✓ 10												xxxx								
11		336	10	✓ 10										x										
12		337	5	✓ 5	x				xx															
13		338	5	✓ 5		x	x	xx		x	x	x	x											
14		339	5	✓ 5										x										
15		340	5	✓ 5											xx									
16		341	5	✓ 5												xxxx								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								

Profile type: ROS

Watchkeeper(s): CI, FL

Bottom Depth: 99

Trans Clean: yes ✓ Fl.

Par Status:

Time	UTC	Local
Start	03:28	20:28
Bottom	03:31	20:31
End	03:45	20:45

Positional Information

Lat: 49°18.647

Lon: 126°37.982

Bottom

Lat: 49°18.64

Lon: 126°37.966

End

Lat: 49°18.643

Lon: 126°37.983

Extra comments:

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

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

Cruise ID:

2023-019

Station:

LG04

Event #:

82

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

21-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	UVC	All_Samples	Save sheet after printing labels: YES		
1	1	314	Bot-10	✓ 135	x	x								
2		315	125	✓ 125	x	x								
3		316	100	✓ 100	x	x								
4		317	75	✓ 75	x	xx								
5		318	50	✓ 50	x	x	x							
6		319	30	✓ 30	xx	x	x							
7		320	20	✓ 20	x	x	x		xx					
8		321	20	✓ 20						x				
9		322	10	✓ 10	x	x	x	xx						
10		323	10	✓ 10						x				
11		324	5	✓ 5	x	x	xx	xx						
12		325	5	✓ 5						x				
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Version:

Profile type: ROS

Watchkeeper(s): CI

Bottom Depth: 145

Trans Clean: yes ✓ Fl.

Par Status:

Time	UTC	Local
Start	00:52	17:52
Bottom	00:55	17:55
End	01:14	18:14

Positional Information

Lat: 49°11.252

Lon: 126°49.351

Bottom

Lat: 49°11.249

Lon: 126°49.343

End

Lat: 49°11.247

Lon: 126°49.354

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LG06

Event #:

80

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

20.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:						Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	Glut	Form	DA	BIOTX	UVC				
1	1	291	Bot-10	✓	962	x		x	x												
2		292	750	✓	751	x	x	xx	xx												
3		293	500	✓	500	xx		x	x												
4		294	400	✓	400	x		x	x												
5		295	300	✓	301	x		x													
6		296	250	✓	250	x		x													
7		297	200	✓	200	x		x													
8		298	175	✓	175	x		x													
9		299	150	✓	150	x		xx													
10		300	125	✓	126	x		x													
11		301	100	✓	100	x		x													
12		302	75	✓	76	x		x													
13		303	50	✓	50	x		x		x											
14		304	30	✓	31	xx		x		xx											
15		305	20	✓	21	x		x		x											
16		306	20	✓	21													x			
17		307	10	✓	10	x		x		x											
18		308	10	✓	10					xx								x			
19		309	5	✓	5	x	x														
20		310	5	✓	5			x		x											
21		311	5	✓	5							xx									
22		312	5	✓	5												xx				
23		313	5	✓	5													x			
24																					

Version:

Save sheet after printing labels: YES

Version:

Profile type: ROS

Watchkeeper(s): Chloé Immonen

Bottom Depth: 972

Trans Clean: yes ✓ Fl.

Par Status: on

Time	UTC	Local
Start	21:45	14:45
Bottom	22:03	15:03
End	23:01	16:01

Positional Information

Lat: 48°3.479

Lon: 127°1.176

Bottom

Lat: 49°3.492

Lon: 127°1.136

End

Lat: 49°3.673

Lon: 127°1.287

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LG09

Event #:

74

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

20 Nov 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed ☒	Pressure	Nut-F	CHL	HPLC	Chito	UMC	All_Samples		Save sheet after printing labels: YES	
1	1	280	250	☒	250				x					
2	2	281	150	☒	150				x					
3	3	282	50	☒	50									NO SAMPLES?
4	4	283	50	☒	50				x					
5	5	284	30	☒	30									NO SAMPLES?
6	6	285	20	☒	20				x					
7	7	286	20	☒	20					x				
8	8	287	10	☒	10				x					
9	9	288	10	☒	10					x				
10	10	289	5	☒	5	x	x	xx	x					
11	11	290	5	☒	5					x				
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 205f

Trans Clean: yes FI.

Par Status:

Time UTC Local

Start 1330 0630

Bottom 1404

End 1451

Positional Information

Lat: 48 51 139

Lon: 121 19 393

Bottom

Lat: 48 51 139

Lon: 121 19 413

End

Lat: 48 51 151

Lon: 121 19 454

Extra comments:

Water Properties Group

Program
STN List:

All_Sns

Sampling Log

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

Cruise ID:

2023-019

Station:

LD11

Event #:

71

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

20 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	All_Samples	Save sheet after printing labels:	YES
1	1	259	Bot-10	✓ 1607	x		x	x						
2	2	260	1500	✓ 1500	x	xx	xx	xx						
3	3	261	1250	✓ 1250	x	x	x	x						
4	4	262	1000	✓ 1000	x	x	x	x						
5	5	263	750	✓ 750	xx	x	x	x						
6	6	264	500	✓ 500	x	x	x	x						
7	7	265	400	✓ 400	x	x	x	x						
8	8	266	300	✓ 300	x	x	x							
9	9	267	250	✓ 250	x	x	x							
10	10	268	200	✓ 200	xx	x	x							
11	11	269	175	✓ 175	x	x	x							
12	12	270	150	✓ 150	x	x	x							
13	13	271	125	✓ 125	x	x	x							
14	14	272	100	✓ 100	x	x	x							
15	15	273	75	✓ 75	x	x	x							
16	16	274	50	✓ 50	x	x	x							
17	17	275	30	✓ 30	x	x	xx							
18	18	276	20	✓ 20	x	x	x							
19	19	277	10	✓ 10	x	x	x							
20	20	278	5	✓ 5	xx	x								
21	21	279	5	✓ 5			x			xx	xx			
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 1604

Trans Clean: Yes FI.

Par Status: on

Time UTC Local

Start 0718 0618

Bottom 0746

End 0844

Positional Information

Lat: 48 28 815

Lon: 126 42 875

Bottom

Lat: 48 28 836

Lon: 126 42 898

End

Lat: 48 28 888

Lon: 126 43 028

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

EB08-1208

Event #:

6667

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

20-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				All_Samples		Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	DA	BIOTX			
1	1	240	Bot-10	✓	767	X		X	X								
2		241	750	✓	750	X	X	XX	XX								
3		242	500	✓	501	XX	X	X	X								
4		243	400	✓	400	X		X	X								
5		244	300	✓	300	X		X									
6		245	250	✓	250	X		X									
7		246	200	✓	200	X		X									
8		247	175	✓	175	X		X									
9		248	150	✓	150	X		X									
10		249	125	✓	125	X		X									
11		250	100	✓	100	X		X									
12		251	75	✓	75	X		XX									
13		252	50	✓	50	X		X									
14		253	30	✓	30	XX		X									
15		254	20	✓	20	X		X									
16		255	10	✓	10	X		X									
17		256	5	✓	5	X		X									
18		257	5	✓	5												
19		258	5	✓	5												
20										XX							
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): Chloe Timmarchen

Bottom Depth: 770m

Trans Clean: (yes) FI.

Par Status: 0M

Time	UTC	Local
Start	01:47	18:47
Bottom	02:00	19:00
End	02:41	19:41

Positional Information

Lat: 48° 39.157

Lon: 126° 23.4

Bottom

Lat: 48° 39.191

Lon: 126° 23.387

End

Lat: 48° 39.177

Lon: 126° 23.41

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LD06

Event #:

65

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	All_Samples		Save sheet after printing labels:	YES
1		232	Bot-10	✓ 128	x		x							
2		233	100	✓ 161	x		xx							
3		234	75	✓ 76	x		x							
4		235	50	✓ 50	x		x	x						
5		236	30	✓ 31	x		x	x						
6		237	20	✓ 21	x		x	xx		xx				
7		238	10	✓ 10	x		x	x		xx				
8		239	5	✓ 5	xx	x	x	x	xx	xx				
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): Chloe Immonen

Bottom Depth: 137

Trans Clean: yes FI.

Par Status: 0h

Time	UTC	Local
Start	23:19	16:19
Bottom	23:22	16:22
End	23:39	16:39

Positional Information

Lat: 48° 46.203 N

Lon: 126° 10.125 W

Bottom

Lat: 48° 46.181 N

Lon: 126° 10.126 W

End

Lat: 48° 46.21 N

Lon: 126° 10.15 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LD04

Event #:

63

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19-05-2012

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All_Samples		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4						Save sheet after printing labels:	YES

1	1	227	Bot-10	✓	54	xx	x	x								
2		228	30	✓	34	x	xx	x								
3		229	20	✓	21	x	x	x		xx						
4		230	10	✓	11	x	x	xx		xx						
5		231	5	✓	5	x	x	x		xx						
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): Chloe Tormann

Bottom Depth: 63

Trans Clean: (yes) FL.

Par Status: on

Time		UTC	Local
Start		21:21	14:21
Bottom		21:22	14:22
End		21:31	14:31

Positional Information

Lat: 48° 53.216

Lon: 125° 56.921

Bottom

Lat: 48° 53.216

Lon: 125° 56.928

End

Lat: 48° 53.239

Lon: 125° 56.954

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LD02

Event #:

59

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Lugols	DA	BIOTX	UVC	FLC	Save sheet after printing labels:	YES
1	1	222	Bot-10	✓	33	x	x	x								
2	2	223	30	✓	30	x	x	xx								
3	3	224	20	✓	20	xx	x	x	xx							
4	4	225	10	✓	10	x	xx	x	xx							
5	5	226	5	✓	5	x	x	x	xx	x	x					
6																
7	6	226	5	✓	5							xx				
8	7	226	5	✓	5								x			
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Version:

Profile type: ROS

Watchkeeper(s): Chloe Timmerman

Bottom Depth: 42

Trans Clean: (yes) FL

Par Status: 09

Time UTC Local

Start 19:09 12:09

Bottom 19:11 12:11

End 19:20 12:20

Positional Information

Lat: 48° 58.5

Lon: 125° 46.982

Bottom

Lat: 48° 58.504

Lon: 125° 46.971

Start

Lat: 48° 58.493

Lon: 125° 46.943

Extra comments:

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

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

Cruise ID:

Station:

LD01

Event #:

58

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	NH4BF	uvic	FLC	All_Samples	Save sheet after printing labels: YES
1	1	217	Bot-10	25	x	x	x							
2	2	218	20	20	x	x	xx		xx	x		x		
3		219	10		xx	x	xx		xx	x		x		
4		220	5		x	xx	x	xx	xx	x		x		
5		221	5								x			
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

01-Dec-22

Version: 19JAN2022

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 35

Trans Clean: yes FL

Par Status: on

Time	UTC	Local
Start	1821	1121
Bottom	1822	
End	1828	

Positional Information

Lat: 49 0 105

Lon: 125 43 721

Bottom

Lat: 49 0 112

Lon: 125 43 705

End

Lat: 49 0 168

Lon: 125 43 581

Extra comments:

Cruise ID: 2023-019

Station: LC01

Event #: 57

Ship: JP Tully

UTC Date (dd-mm-yyyy): 19 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed ☒ Pressure	OXY	Nut-F	CHL	HPLC	NH4	UVC	NH4BF	All_Samples		
1	1	209	Bot-10		X	X								
2		210	75		X	XX								
3		211	50		XX	X	X							
4		212	30		X	X	XX							
5		213	20		X	X	X	XX		X				
6				X										
7		214	10		X	X	XX		XX	X				
8		215	5		X	X	X	XX	XX	X				
9		216	5							X				
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

01-Dec-22

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 95

Trans Clean: Yes FI.

Par Status: ON

Time	UTC	Local
Start	1634	0934
Bottom	1635	
End	1645	

Positional Information

Lat: 48 50 429

Lon: 125 27 755

Bottom

Lat: 48 50 422

Lon: 125 27 760

End

Lat: 48 50 413

Lon: 125 27 818

Extra comments:

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

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

Cruise ID:

2023-019

Station:

LC02

Event #:

56

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples				Comments	
			Target Pressure	Confirmed ☒ Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	Lugol's	DA	BIOTX	UVIC	Save sheet after printing labels: YES
1	1	197	Bot-10	☒		X		X			X					
2	2	198	75	☒		X		X			XX					
3	3	199	50	☒		XX		X			X					
4	4	200	30	☒		X		X			XX					
5	5	201	20	☒		X		XX		XX	X					
6	6		20	☒												
7	7	202	20	☒											X	
8	8	203	10	☒		X		X		XX	X					
9	9	204	10	☒											X	
10	10	205	5	☒		X		X			X					
11	11	206	5	☒				X		XX		X	X			
12	12	207	5	☒										X		
13	13	208	5	☒											X	
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Version:

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 108

Trans Clean: yes FI.

Par Status: ON

Time UTC Local

Start 1546 0846

Bottom 1548

End 1600

Positional Information

Lat: 48 48 654

Lon: 125 30 962

Bottom

Lat: 48 48 650

Lon: 125 30 975

End

Lat: 48 48 660

Lon: 125 31 066

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	OXY	Nut-F	CHL	HPLC	NH4	Chito	UVIC	All Samples	Save sheet after printing labels: YES		
1	1	179	Bot-10	✓ 155	x	x		x							
2	2	180	150	✓ 150	x	x		x							
3	3	181	150	✓ 150						x					
4	4	182	125	✓ 125	x	x		x							
5	5	183	100	✓ 100	x	x									
6															
7	6	184	100	✓ 100						x					
8	7	185	75	✓ 75	x	x									
9	8	186	50	✓ 50	x	xx	x								
10	9	187	50	✓ 50						x					
11	10	188	30	✓ 30	xx	x	xx								
12	11	189	20	✓ 20	x	x	x		xx						
13	12	190	20	✓ 20						x					
14	13	191	10	✓ 10	x	x	x		xx						
15	14	192	10	✓ 10						x					
16	15	193	5	✓ 5	x	x									
17	16	194	5	✓ 5			x	xx	xx						
18	17	195	5	✓ 5						x					
19	18	196	5	✓ 5							x				
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 164

Trans Clean: yes FI.

Par Status: 00

Time UTC Local

Start 1348 0648

Bottom 1351

End 1407

Positional Information

Lat: 48 43 368

Lon: 125 40 802

Bottom

Lat: 48 43 362

Lon: 125 40 818

End

Lat: 48 43 244

Lon: 125 40 744

Extra comments:

Cruise ID: 2023-019

Station: LC06

Event #: 50

Ship: JP Tully

UTC Date (dd-mm-yyyy): 13 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments
			Target Pressure	Confirmed ☒ Pressure	OXY	Nut-F	CHL	HPLC	NH4	UVC	All Samples	Save sheet after printing labels: YES	
1	1	169	Bot-10	✓ 83	x	x		x					
2	2	170	75	✓ 75	x	x		x					
3	3	171	50	✓ 50	xx	x	x	x					
4	4	172	30	✓ 30	x	x	xx						
5	5	173	20	✓ 20	x	x	x		xx				
6				✓ 20									
7	6	174	20	✓ 20						x			
8	7	175	10	✓ 10	x	xx	x		xx				
9	8	176	10	✓ 10						x			
10	9	177	5	✓ 5	x	x	x	xx	xx				
11	10	178	5	✓ 5						x			
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Version: 1

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth:

Trans Clean: ☒ Yes ☐ No FI.

Par Status: CN

Time	UTC	Local
Start	11 53	04 53
Bottom	11 55	
End	12 05	

Positional Information

Lat:	48 36	544
Lon:	125 54	179

Bottom

Lat:	48 36	585
Lon:	125 54	200

End

Lat:	48 36	533
Lon:	125 54	177

Extra comments:

SKIP 6

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LC08

Event #:

46

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

13 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed ☒	Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	FLC	All Samples	Save sheet after printing labels:	YES
1	1	157	Bot-10	✓	190	x		x		x		x				
2	2	158	175	✓	175	x		x		x						
3	3	159	150	✓	150	x		x				x				
4	4	160	125	✓	125	x		x								
5	5	161	100	✓	100	x		x				xx				
6	6		75	✓	75										Bottle 6 not firing	
7	7	162	75	✓	75	x		xx								
8	8	163	50	✓	50	xx		x				x				
9	9	164	30	✓	30	x		x				xx				
10	10	165	20	✓	20	x		x		xx		x				
11	11	166	10	✓	10	x		x	xx	xx		x				
12	12	167	5	✓	5		x	x		xx	xx		x			
13	13	168	5	✓	5	x						x				
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 199

Trans Clean: yes Fl.

Par Status: 00

Time UTC Local

Start 09 28

Bottom 10 02

End 10 06

Positional Information

Lat: 48 29 505

Lon: 126 7 044

Bottom

Lat: 48 29 507

Lon: 126 7 038

End

Lat: 48 29 480

Lon: 126 7 054

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LC09

Event #:

42

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:		All_Samples					Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Nut-C	CHL	HPLC	NH4	DIC	Lugol's	DA	Chlto	FLC	UVIC	BIOTX	Save sheet after printing labels:					YES
1	1	133	Bot-10	✓ 613	X	X	X X				X												
2		134	500	✓ 500	X	X	X				X												
3		135	400	✓ 400	X	X	X				XX												
4		136	300	✓ 300	X	X					X												
5		137	250	✓ 250	XX	X					X				X								
6		138	250	✓ 250																			
7		139	200	✓ 200	X	X					X												
8		140	175	✓ 175	X	X																	
9		141	150	✓ 150											X								
10		142	150	✓ 150	X	X					X												
11		143	125	✓ 125	X	XX																	
12		144	100	✓ 100	X	X					XX												
13		145	75	✓ 75	XX	X																	
14		146	50	✓ 50	X	X		X			X												
15		147	50	✓ 50											X								
16		148	30	✓ 30	X	X		XX			X												
17		149	20	✓ 20	X	X				XX													
18		150	20	✓ 20											X								
19		151	10	✓ 10	X	X		X		XX	X												
20		152	10	✓ 10											X								
21		153	5	✓ 5	X					XX	X												
22		154	5	✓ 5		X		X	XX			X											
23		155	5	✓ 5									X		X								
24		156	5	✓ 5										X		X	XX						

Profile type:	ROS
Watchkeeper(s):	Chloe Immovore

Bottom Depth:	615
Trans Clean:	(Yes) FL.
Par Status:	on

Time	UTC	Local
Start	05:49	22:49
Bottom	06:02	23:02
End	06:36	23:36

Positional Information

Lat:	48° 25.935 N
Lon:	126° 13.775 W

Bottom

Lat:	48° 25.942 N
Lon:	126° 13.837 W

End

Lat:	48° 25.956 N
Lon:	126° 13.984 W

Extra comments:

81

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LC11

Event #:

39

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

19.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	All Samples	Save sheet after printing labels: YES			
1	1	114	Bot-10	✓	1465	x	x	x	x							
2		115	1250	✓	1250	x	x	xx	xx							
3		116	1000	✓	1000	x	xx	x	x							
4		117	750	✓	750	xx	x	x	x							
5		118	500	✓	500	x	x	x	x							
6		119	400	✓	400	x	x	x	x							
7		120	300	✓	300	x	x	x								
8		121	250	✓	250	x	x	x								
9		122	200	✓	200	x	x	x								
10		123	175	✓	175	xx	x	x								
11		124	150	✓	150	x	x	x								
12		125	125	✓	125	x	x	xx								
13		126	100	✓	160	x	x	x								
14		127	75	✓	75	x	x	x								
15		128	50	✓	50	x	x	x			xx					
16		129	30	✓	30	x	x	x								
17		130	20	✓	20	x	x	x			xx					
18		131	10	✓	10	xx	x	x			xx					
19		132	5	✓	5	x	x	x			xx					
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): Chloe Immonen

Bottom Depth: 1420

Trans Clean: ☒ yes FI.

Par Status: on

Time	UTC	Local
Start	01:12	18:12
Bottom	01:38	18:38
End	02:32	19:32

Positional Information

Lat: 48° 19' 06

Lon: 126° 26' 768

Bottom

Lat: 48° 19' 013

Lon: 126° 26' 795

End

Lat: 48° 18' 888

Lon: 126° 27' 005

Extra comments:

spikes at 880m on CTD data, bottle 6 didn't shut

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB16

Event #:

33

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPLC	UVC	All_Samples	Save sheet after printing labels: YES		
1	1	112	5	✓ 18	x	xx	xx				Fl < 2	
2	2	113	5	✓ 15				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

Watchkeeper(s): MS

Bottom Depth: ~1800

Trans Clean: ☒ yes ☐ Fl.

Par Status: on

Time	UTC	Local
Start	15 39	08 39
Bottom	16 11	
End	16 47	

Positional Information

Lat: 48 0 536

Lon: 126 17 016

Bottom

Lat: 48 0 558

Lon: 126 16 980

End

Lat: 48 0 564

Lon: 126 17 097

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB15

Event #:

32

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

Profile type:	ROS
Watchkeeper(s):	MB

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed ☒	Pressure	Nut-F	CHL	HPLC	UVC	All_Samples		Save sheet after printing labels:	YES
1	1	110	5			x	xx	xx					
2	2	111	5						x				
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Bottom Depth:	1540	
Trans Clean:	yes ☒ Fl. ☒	
Par Status:	ON	
Time	UTC	Local
Start	1355	0635
Bottom	1420	
End	1445	

Positional Information

Lat:	48	41	199
Lon:	126	8	426

Bottom

Lat:	48	41	100
Lon:	126	8	427

End

Lat:	48	41	147
Lon:	126	8	487

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB14

Event #:

31

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	UVIC	All Samples NH4-Bulk		Save sheet after printing labels: YES	
1	1	89	Bot-10	✓ 1166	X		X	X								
2	2	90	1000	✓ 1000	XX	XX	X	X								
3	3	91	750	✓ 750	X	X	X	X								
4	4	92	500	✓ 500	X	X	XX	XX								
5	5	93	400	✓ 400	X		X	X					X			
6	6	94	300	✓ 300	X		X									
7	7	95	250	✓ 250	X		X						X			
8	8	96	200	✓ 200	X		X									
9	9	97	175	✓ 175	X		X									
10	10	98	150	✓ 150	X		X									
11	11	99	125	✓ 125	XX		X									
12	12	100	100	✓ 100	X		X									
13	13	101	75	✓ 75	X		X									
14	14	102	50	✓ 50	X		X		X							
15	15	103	30	✓ 30	X		XX		X							
16	16	104	20	✓ 20								X				
17	17	105	20	✓ 20	X		X		X		XX					
18	18	106	10	✓ 10								X				
19	19	107	10	✓ 10	X		X		XX		XX					
20	20	108	5	✓ 5								X				
21	21	109	5	✓ 5	X		X		X	XX	XX					
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 1166

Trans Clean: yes FI.

Par Status:

Time UTC Local

Start 1156 0456

Bottom 1216

End 1256

Positional Information

Lat: 48 8 498

Lon: 126 59 983

Bottom

Lat: 48 8 609

Lon: 126 59 964

End

Lat: 48 8 720

Lon: 126 59 995

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB13

Event #:

30

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	UVIC	All_Samples		Save sheet after printing labels: YES	
1	1	87	5	✓	x	xx	xx					
2	2	88	5	✓				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

Watchkeeper(s): MJS

Bottom Depth: 915

Trans Clean: yes FL.

Par Status: ON

Time	UTC	Local
Start	10 51	0351
Bottom	11 08	
End	11 25	

Positional Information

Lat: 48 10 55.3

Lon: 125 56 14.2

Bottom

Lat: 48 10 59.9

Lon: 125 56 12.3

End

Lat: 48 10 59.9

Lon: 125 56 15.0

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB12

Event #:

19

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Nut-C	CHL	HP/LC	NH4	Lugol's	Glut	Form	DA	UVC		
1	1	69	Bot-10	✓	500	x	x	x									30 sec Soak
2	2	70	400	✓	400	x	xx	xx									1 min "
3	3	71	300	✓	300	xx	x										
4	4	72	250	✓	250	x	x										
5	5	73	200	✓	200	x	x										
6	6	74	175	✓	175	x	x										
7	7	75	150	✓	150	x	x										
8	8	76	125	✓	125	x	x										
9	9	77	100	✓	100	x	x										
10	10	78	75	✓	75	x	x										
11	11	79	50	✓	50	x	xx		x								
12	12	80	30	✓	30	x	x		xx								
13	13	81	20	✓	20	x	x		x		xx						
14	14	82	20	✓	20										x		
15	15	83	10	✓	10	xx	x		x		xx						
16	16	84	10	✓	10										x		
17	17	85	5	✓	5	x	x		x		xx		x				FL: 42
18	18	86	5	✓	5										x		
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 0941 0241

Trans Clean: yes FI.

Par Status: yes

Time UTC Local

Start 0941 0241

Bottom 0949

End 1017

Positional Information

Start Lat: 48 12 895

Start Lon: 125 51 935

Bottom Lat: 48 12 922

Bottom Lon: 125 51 961

End Lat: 48 12 924

End Lon: 125 51 957

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB11

Event #:

27

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	UVIC	All_Samples			Save sheet after printing labels: YES	
1	1	57	Bot-10	196	X	X									
2	2	58	175	175	X	XX									
3	3	59	150	150	X	X									
4	4	60	125	125	X	X									
5	5	61	100	100	X	X									
6	6	62	75	75	X	X									
7	7	63	50	50	XX	X	X								
8	8	64	30	30	X	X	X								
9	9	65	20	20	X	X	XX		XX						
10	10	66	10	10	X	X	X		XX						
11	11	67	5	5	X	X	X	XX	XX						FL: 42
12	12	68	5	5						X					
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 201

Trans Clean: yes (Fl)

Par Status: Yes

Time UTC Local

Start 0830 0830

Bottom 0833

End 0851

Positional Information

Lat: 48 15 285

Lon: 125 47 755

Bottom

Lat: 48 15 283

Lon: 125 47 772

End

Lat: 48 15 288

Lon: 125 47 825

Extra comments:

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

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

Cruise ID:

2023-019

Station:

LB10

Event #:

26

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPLC	All_Samples	Save sheet after printing labels: YES	
1	1	56	5	✓	x	x	xx			FL: < 2
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

Watchkeeper(s): MB

Bottom Depth: 155

Trans Clean: ☒ yes ☐ Fl.

Par Status:

Time	UTC	Local
Start	0741	0041
Bottom	0743	
End	0748	

Positional Information

Lat:	48	18	S32
Lon:	125	41	425

Bottom

Lat:	48	18	S25
Lon:	125	41	424

End

Lat:	48	18	S35
Lon:	125	41	445

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB09

Event #:

25

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4		All Samples		Save sheet after printing labels:	YES
1	1	47	Bot-10	✓	141	X	X		X					
2		48	125	✓	124	X	XX		X					
3		49	100	✓	100	X	X		X					
4		50	75	✓	75	X	X							
5		51	50	✓	50	X	X	X						
6		52	30	✓	30	X	X	XX						
7		53	20	✓	20	XX	X	X	XX					
8		54	10	✓	10	X	X	X	XX					
9		55	5	✓	5	X	X	X	XX					
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): Chloé Immanuel

Bottom Depth: 151

Trans Clean: (yes) FL

Par Status: ON

Time	UTC	Local
Start	06:26	23:27
Bottom	06:30	23:30
End	06:48	23:48

Positional Information

Lat: 48° 22.074 N

Lon: 125° 34.815 W

Bottom

Lat: 48° 22.084

Lon: 125° 34.818

End

Lat: 48° 22.102

Lon: 125° 34.896

Extra comments:

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

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

Cruise ID:

2023-019

Station:

LB08

Event #:

23

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples				Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	FLC	Chito	Chito	Save sheet after printing labels: YES	
1	1	31	Bot-5	✓	143	X		X		X	X					Butler's Bor 1 Bottom Cit 1000
2		32	Bot-10	✓	142	X		X		X	XX					
3		33	125	✓	126	XX		X								
4		34	100	✓	100								X	xxxxxx		
5		35	100	✓	100	X		XX		X						
6		36	75	✓	75	X		X								
7		37	50	✓	50	X		X		X						
8		38	50	✓	50								X	xxxxxx		
9		39	30	✓	30	X		X		XX						
10		40	20	✓	20	X		X		XX	X					
11		41	20	✓	20							X	X	xxxxxx		
12		42	10	✓	10	X		X		XX	X					
13		43	10	✓	10							X	X	xxxxxx		
14		44	5	✓	5	X		X			X					
15		45	5	✓	5			X		XX						
16		46	5	✓	5							X	X	xxxxxx		
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): Chloc Immoren

Bottom Depth: 146

Trans Clean: ☒yes ☐FI.

Par Status: 0M

Time	UTC	Local
Start	04:47	21:47
Bottom	04:51	21:51
End	05:12	22:12

Positional Information

Lat: 48°25.272

Lon: 125°28.674

Bottom

Lat: 48°25.29

Lon: 125°28.69

End

Lat: 48°25.352

Lon: 125°28.792

Extra comments:

Cruise ID: 2023-019

Station: B08 B8

Event #: 19

Ship: JP Tully

UTC Date (dd-mm-yyyy): 18.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	OXY	Nut-F	CHL	HPLC	NH4		All_Samples		Save sheet after printing labels: YES	
1	1	30		✓ 104	x	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

Watchkeeper(s): chloe Thompson

Bottom Depth: 113

Trans Clean: ☒ yes FI.

Par Status: on

Time		UTC	Local
Start		02:20	19:20
Bottom		02:23	19:23
End		02:28	19:28

Positional Information

Lat: 48° 34.471

Lon: 125° 29.907

Bottom

Lat: 48° 34.486

Lon: 125° 29.909

End

Lat: 48° 34.518

Lon: 125° 29.923

Extra comments:

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LB07

Event #:

1

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18.05.2023

Niskin	Firing	Sample
--------	--------	--------

Rosette Operation	
Target	Confirmed

Sampler's Initials / Samples Taken

Sample Lists: All Samples

Comments

Save sheet after printing labels:

Profile type:

ROS

Watchkeeper(s): Chae Imyoun

Bottom Depth: 155m

Trans Clean:	yes	Fl.
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Par Status: ON

Time	UTC	Local
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Start	60:48	11:48
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Bottom	00:51	11:51
--------	-------	-------

End	00:57	17:57
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Positional Information

Lat: 48° 28.642 N

Lon: 125° 22.218 W

100

Lat: 48° 28.644 N

Lon: 125° 22.224 W

Lat: 48° 28.658 N

Lon: 125° 22.229 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB06

Event #:

10

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

17.05.23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All_Samples		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	FLC	N				Save sheet after printing labels:	YES
1		21	Bot-10	✓ 105	x	x										
2		22	100	✓ 100	xx	x										
3		23	75	✓ 75	x	xx										
4		24	50	✓ 50	x	x	x									
5		25	30	✓ 30	x	x	xx									
6		26	20	✓ 20	x	x	x		xx	x	X					
7		27	10	✓ 10	x	x	x		xx	x	X					
8		28	5	✓ 5	x	x	x	xx	xx	x	X					
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 115

Trans Clean: yes FL.

Par Status: 00

Time UTC Local

Start 1905

Bottom 1910

End 1926

Positional Information

Start Lat: 48 32.21 Lon: 125 15.43

Bottom Lat: 48 32.20 Lon: 125 15.43

End Lat: 48 32.17 Lon: 125 15.46

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2023-019

Station:

LB05

Event #:

9

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

17 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPLC	All_Samples	Save sheet after printing labels: YES	
1	1	20	5	☒	x	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

Watchkeeper(s): MR

Bottom Depth: 94

Trans Clean: yes Fl.

Par Status:

Time	UTC	Local
Start	1819	1119
Bottom	1821	
End	1825	

Positional Information

Lat:	48	34	040
Lon:	125	12	020

Bottom

Lat:	48	34	037
Lon:	125	12	032

End

Lat:	48	34	045
Lon:	125	12	060

Extra comments:

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

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

Cruise ID:

2023-019

Station:

LB04

Event #:

6

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

17 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	FLC	All_Samples	Save sheet after printing labels:	YES	
1	1	13	Bot-10	✓ 102	X	X								
2	2	14	75	✓ 75	XX	X								
3	3	15	50	✓ 50	X	XX	X							
4	4	16	30	✓ 30	X	X	X							
5	5	17	20	✓ 20	X	X	X		XX	X				
6	6	18	10	✓ 10	X	X	XX		XX	X				
7	6	19	5	✓ 5	X	X	X	XX	XX	X			FL = ~2	
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 0

Trans Clean: yes FI.

Par Status: ON

Time	UTC	Local
Start	16 17	0917
Bottom	16 19	
End	16 30	

Positional Information

Lat:	48	35	690
Lon:	125	8	730

Lat:	48	35	690
Lon:	125	8	738

Lat:	48	35	710
Lon:	125	8	730

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LB03

Event #:

5

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

17 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPIC	FLC	All Samples	Save sheet after printing labels: YES		
1	1	12	5	✓	X	XX	XX	X			FL: 42	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
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14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 93

Trans Clean: yes FL

Par Status: 02

Time	UTC	Local
Start	15 45	08
Bottom	15 46	
End	15 50	

Positional Information

Lat:	48	37	406
Lon:	125	5	700

Bottom

Lat:	48	37	420
Lon:	125	5	710

End

Lat:	48	37	450
Lon:	125	5	7600

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LB02

Event #:

4

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

17 May 2023

Niskin #

Firing #

Sample #

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Sample Lists: All Samples

Comments
Save sheet after printing labels:
YES

Profile type:

ROS

Watchkeeper(s):

MB

Bottom Depth:

56

Trans Clean:

yes

FI.

Par Status:

-1ES

Time

UTC

Local

Start

1502

0802

Bottom

1504

End

1511

Positional Information

Lat:

49 39 010

Lon:

125 2 450

Start

125 2 450

Bottom

48 39 020

Lon:

125 2 470

End

48 39 030

Lat:

125 2 510

Lon:

125 2 510

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

LB01

Event #:

3

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

17 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:			Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	NH4-BF	All Samples	FLC	
1	1	2	Bot-10	✓ 24	x		x	x			x				
2	2	3	20	✓ 20	x		x	xx		xx	xx	x			
3	3	4	10	✓ 10	xx		x	x		xx	x	x		✓	
4	4	5	5	✓ 5	x	x	xx				xx	x	x	✓	
5	5	6	5	✓ 5				xx	xx	xx					
6															
7															
8															
9															
10															
11															
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15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth:

Trans Clean:

yes

 FL.

Par Status: 0m

Time UTC Local

Start 1412 0712

Bottom 1413

End 1415

Positional Information

Lat: 48 40 372

Lon: 124 59 555

Bottom

Lat: 48 40 374

Lon: 124 55 563

End

Lat: 48 40 374

Lon: 124 55 586

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2023-019

Station:

SI

Event #:

1

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Nut-F

CHL

HPLC

Sample Lists:

All Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS

Watchkeeper(s):

Bottom Depth:

172

Trans Clean:

✓

Fl. Clean:

✓

Par Status:

Time

UTC

Local

Start

0222

1522

Bottom

0227

End

0231

Positional Information

Lat:

48.35.192

Lon:

123.29.889

Lat:

48.35.130

Lon:

123.25.875

Lat:

48.35.176

Lon:

123.29.867

End

Extra comments: