

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

Haro59

Event #:

X 3

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 25 | Aug | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Lugol's	DA	VAR	All Samples	Save sheet after printing labels:	YES
1	1	1	0	0	x	xx	xx	x	x				Fluo: 1.60
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													possible vent / top cap leak
20													
21													
22													
23													
24													

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): GC

Bottom Depth: 226 m
Transmisso Cleaned: 9 / N

Time UTC Local
Start 1046 346
Bottom 1050
End 1054

Positional Information
Lat: 48 ° 36.960 N
Lon: 128 ° 14 700 W

Bottom
Lat: 48 ° 36.950 N
Lon: 123 ° 14.680 W

End
Lat: 48 ° 37.020 N
Lon: 123 ° 14.700 W

Extra comments:
Fired all niskins for integrity test

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

JF2

Event #:

5

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

25 | Aug | 2021

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Sample Lists: All Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

GC

Bottom Depth: 171 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1616 0716

Bottom 1620

End 1625

Positional Information

Lat: 48 ° 18.050 N

Lon: 124 ° 00.340 W

Lat: 48 ° 18.060 N

Lon: 124 ° 00.434 W

Bottom

Lat: 48 ° 18.074 N

Lon: 124 ° 00.632 W

End

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P2

Event #:

9

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 26 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments	
			Target Pressure	Confirmed Pressure	AD	DC	DC	Nut-F	CHL	HPLC	Lugol's	DA	Var	Wgt	CHL	Save sheet after printing labels: YES
1	1	8	100	✓ 100.3	x	x	x	x						60		
2	2	9	75	✓ 74.9	x			xx	x					60		
3	3	10	50	✓ 50.1	x			x	xx					30		
4	4	11	40	✓ 40.2	x			x	xx					30		
5	5	12	30	✓ 29.8	x			x	x	xx				"		
6	6	13	25	✓ 24.6	x			x	x	xx				"		
7	7	14	20	✓ 20.0	xx	xx	xx	x	x	xx				"		
8	8	15	15	✓ 14.9	x			x	x	xx				"		
9	9	16	10	✓ 10.0	x			x	x	xx				"		
10	10	17	5	✓ 4.8	x	x	x	x						"		
11	11	18	5	✓ 4.7				x	x	xx	x			✓		
12	12	19	0	✓ 3.1	x	x	x	x	x					30		
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 116 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 01:11 18:11

Bottom 01:14 18:14

End 01:26 18:26

Positional Information

Lat: 48 ° 36.020 N

Lon: 125 ° 59.950 W

Bottom

Lat: 48 ° 36.020 N

Lon: 125 ° 59.930 W

End

Lat: 48 ° 36.040 N

Lon: 125 ° 59.890 W

Extra comments:

DMS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P2

Event #:

42 / 1

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 26 / Aug

2024

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): M.L.

Bottom Depth: 116 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 0218 1918

Bottom 0220 1920

End 0231 1931

Positional Information

Lat: 48 ° 35.99 N

Lon: 125 ° 59.86 W

Lat: 48 ° 35.99 N

Lon: 125 ° 59.84 W

Lat: 48 ° 36.01 N

Lon: 125 ° 59.75 W

Extra comments:

Deep

W 60 SET SOAK

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-008

Station:

P3

Event #:

12

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 26 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Var	Sal	VAR	Core Samples	Save sheet after printing labels:	YES
1	1	28	5	✓ 5.2	x	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): RF

Bottom Depth: 817 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0413	2113
Bottom	0428	2128
End	0444	2144

Positional Information

Lat: 48 ° 37.471 N

Lon: 126 ° 19.824 W

Bottom

Lat: 48 ° 37.446 N

Lon: 126 ° 19.801 W

End

Lat: 48 ° 37.424 N

Lon: 126 ° 19.825 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P4

Event #:

16

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 26 | Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Var				Core Samples		Save sheet after printing labels:	YES
1	1	33	CHL MAX	✓	256	X					HL requested depth	
2	2	34	5	✓		X						
3	3	35	5	✓		X						
4	4	36	5	✓		X						
5	5	37	5	✓		X						
6	6	38	5	✓		X						
7	7	39	5	✓		X						
8	8	40	5	✓		X						
9	9	41	5	✓		X						
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): AC/ML

Bottom Depth: 1375 m
Transmisso Cleaned: ☒ Y ☐ N

Time		UTC	Local
Start		0845	0145
Bottom		0849	
End		0854	

Positional Information

Start
Lat: 48 ° 59.040 N
Lon: 126 ° 57.940 W

Bottom
Lat: 48 ° 39.050 N
Lon: 126 ° 39.940 W

End
Lat: 48 ° 39.070 N
Lon: 126 ° 39.760 W

Extra comments:

Uvic

West to 150 meters.

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P4

Event #:

19

Ship:

JP Tully

UTC Date (dd|mm|yy): 26 Aug 2021

Niskin

#

Firing

#

Sample

#

Rosette Operation

Target Pressure

Confirmed

✓

Pressure

Sampler's Initials / Samples Taken

SKC

OXY

Sal

Nut-F

Nut-C

Md|ml

DIC

TOC

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

RO3 TRM X-Niskin other?

Watchkeeper(s): GJ/SR

Bottom Depth: 1821 m

Transmisso Cleaned: 0 / N

Time UTC Local

Start 1135 435

Bottom 1159

End 1241

Positional Information

Lat: 48 ° 39.02 N

Lon: 126 ° 40.070 W

Lat: 48 ° 39.210 N

Lon: 126 ° 40.160 W

Lat: 48 ° 39.480 N

Lon: 126 ° 40.300 W

Lat: 48 ° 39.480 N

Lon: 126 ° 40.300 W

Extra comments:

Deep

* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P4

Event #:

20

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 26 Aug 2021

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): SW

Comments

Save sheet after printing labels:

YES

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

DMS DMS-P-d DMS-P-t Nut-F CHL HPLC Lugol's Form Glut DA UBC

Save sheet after printing labels:

YES

Niskin #

Firing #

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Watchkeeper(s):

Sample #

Target Pressure

Confirmed Pressure

DMS

DMS-P-d

DMS-P-t

Nut-F

CHL

HPLC

Lugol's

Form

Glut

DA

UBC

Save sheet after printing labels:

YES

ROS TRM

X-Niskin

other?

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P5

Event #:

21

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 26 Aug 2021

Rosette Operation

Target Pressure
Confirmed Pressure

Sampler's Initials / Samples Taken

Sal Nut-F CHL HPLC Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels:
YES

Profile type:

ROS TRM X-Niskin other?
Watchkeeper(s): GC

Bottom Depth: 2697 m

Transmisso Cleaned: Y/N

Time	UTC	Local
Start	1636	936
Bottom	1811	
End	1744	

Positional Information

Lat: 48 ° 41.248 N
Lon: 127 ° 09.840 W

Lat: 48 ° 41.330 N
Lon: 127 ° 09.840 W

Lat: 48 ° 41.150 N
Lon: 127 ° 09.730 W

Extra comments:

LOOPS

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var	Core Samples	Comments
1	1	84	5	5.7	X	X	XX	XX			
2											
3		5021	Loop		X		XX				
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P6

Event #:

22 23

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 26 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nuc-F	CHL	HPLC	Var	Core	Samples	Save sheet after printing labels:	YES
1	1	85	5	✓ 4.6	x	x	xx	x				Event 22: Bottle for wash & closed	
2												Event 23: did and increased to	
3												50m.	
24	2	85	5	✓ 5.6	x	x	xx	x					
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): RF

Bottom Depth: 2551 m

Transmisso Cleaned: ☒ Y / ☐ N

Time		UTC	Local
Start		2025	1325
Bottom		2054	1354
End		2132	1432

Positional Information

Lat: 48° 44' 53.0" N

Lon: 127° 40.030" W

Bottom

Lat: 48° 44' 46.0" N

Lon: 127° 40.020" W

End

Lat: 48° 44' 53.0" N

Lon: 127° 39.910" W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P7

Event #:

24

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 27 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var			Save sheet after printing labels: YES	
1	1	86	5	60 X	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 TRM X-Niskin other?

Watchkeeper(s): RF/KS

Bottom Depth: 2512 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0013	1713
Bottom	0046	1746
End	0117	1817

Positional Information

Start

Lat: 48 ° 46.660 N

Lon: 128 ° 9.920 W

Bottom

Lat: 48 ° 46.590 N

Lon: 128 ° 9.890 W

End

Lat: 48 ° 46.620 N

Lon: 128 ° 9.890 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P8

Event #:

28

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 28²⁷ | Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Core Samples		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPIC	TOC	DMS				Save sheet after printing labels: YES	
1	1	87	2000	✓	X	XX	X	X			X						Bulk water for DMS blanks
2	2	88	1500	✓	XX	X	X	X			X						
3	3	89	1250	✓	X	X	XX	XX			X						
4	4	90	1000	✓	X	X	X	X			X						
5	5	91	800	✓	X	XX	X	X			X						
6	6	92	600	✓	X		X	X			X						
7	7	93	400	✓	X		X	X			X						
8	8	94	300	✓	X		X				X						
9	9	95	250	✓	XX		X				X						
10	10	96	200	✓	X		X				X						
11	11	97	175 *	✓	X		X				X						Probably not necessary to soak for 1 min
12	12	98	150 *	✓	X		X				X						
13	13	99	125 *	✓	XX		X				X						
14	14	100	100 *	✓	X		X				X						
15	15	101	75 *	✓	X		XX				X						
16	16	102	60	✓	X		X				XX						
17	17	103	50	✓	X		X				XX						
18	18	104	40	✓	X		X				XX						
19	19	105	30	✓	XX		X				XX						
20	20	106	25	✓	X		X				X						
21	21	107	20	✓	X		X				X						
22	22	108	15	✓	X		X				XX						
23	23	109	10	✓	X		X				X						
24	24	110	5	✓	X		X				XX						

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): GC

Bottom Depth: 2526 m

Transmisso Cleaned: 8 / N

Time UTC Local

Start 0705 0005

Bottom 0740

End 0839

Positional Information

Lat: 48 ° 48.960 N

Lon: 128 ° 40.060 W

Bottom

Lat: 48 ° 48.839 N

Lon: 128 ° 40.102 W

End

Lat: 48 ° 48.570 N

Lon: 128 ° 39.970 W

Extra comments:

* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P9

Event #:

29

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 27 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples		Comments
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var				Save sheet after printing labels: YES
1	1	111	5	✓	X	X	XX	XX	X				
2													
3		5029	Loop		X		XX						
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): AC

Bottom Depth: 2348 m

Transmisso Cleaned: 621 N

Time	UTC	Local
Start	1118	0418
Bottom	1153	
End	1227	

Positional Information

Start

Lat: 48 ° 51.400 N

Lon: 129 ° 09.700 W

Bottom

Lat: 48 ° 51.430 N

Lon: 129 ° 09.740 W

End

Lat: 48 ° 51.430 N

Lon: 129 ° 09.530 W

Extra comments:

LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P10

Event #:

31

Ship:

JP Tully

UTC Date (dd|mm|yy): 22 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var	Core Samples		Save sheet after printing labels:	YES
1	1	112	5	✓		x	x	xx					
2	2	113	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 TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): AC

Bottom Depth: 2648 m
Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1504	804
Bottom	1523	
End	1541	

Positional Information

Start
Lat: 48 ° 53.530N
Lon: 129 ° 39.910W

Bottom
Lat: 48 ° 53.480N
Lon: 129 ° 39.910W

End
Lat: 48 ° 53.440N
Lon: 129 ° 39.870W

Extra comments:

86666666

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P11

Event #:

33

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 27 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	RF	RF	RF	ML	KS		Core Samples		Save sheet after printing labels:	YES
1	1	114	400	399					xx				NH4 LNSW	
2	2	115	250	250					xx				NH4 LNSW	
3	3	116	5	5	x	x	xx							
4	4	117	5	5				x						
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?
Watchkeepers: GC/SR

Bottom Depth: 2757 m
Transmisso Cleaned: 01 N

Time UTC Local
Start 1809 1109
Bottom 1826
End 1846

Positional Information
Lat: 48 ° 55.930 N
Lon: 130 ° 09.870 W

Bottom
Lat: 48 ° 55.900 N
Lon: 130 ° 09.870 W

End
Lat: 48 ° 55.800 N
Lon: 130 ° 9.820 W

Extra comments:
Nothing to complement
LNSW = Low Nutrients Sea Water

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P12

Event #:

35

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 28 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core Samples		Comments	
			Target Pressure	Confirmed Pressure	DMS	DMS-P-d	DMS-P-l	Nut-F	CHL	HPLC	Lugol's	Form	Glut	DA	UBC		Save sheet after printing labels	YES
1	1	118	400	✓ 399.9	x	x	x	x										
2	2	119	200	✓ 200.2	x	x	x	x										
3	3	120	150	✓ 150.5	x	x	x	x										
4	4	121	100	✓ 100.7	x			x	x									
5	5	122	75	✓ 75.1	x			x	xx									
6	6	123	60	✓ 60.3				x	x	xx								
7	7	124	50	✓ 50.3	x			x	x	xx								★
8	8	125	40	✓ 40.4	x			x	x	xx								★
9	9	126	30	✓ 29.9	x	x	x	xx	x	xx								★
10	10	127	25	✓ 25.5	x			x	xx									
11	11	128	20	✓ 20.1	xx	xx	xx	x	x									
12	12	129	15	✓ 15.5	x			x	x	xx								
13	13	130	10	✓ 10.6	x			x	x									
14	14	131	10	✓ 11.0														
15	15	132	5	✓ 5.8	x	x	x	x	x	xx								
16	16	133	0	✓ 3.1	x	x	x	x	x									
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 3235 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0259 1959
Bottom 0307 2007
End 0330

Positional Information
Lat: 48 ° 58.190 N
Lon: 130 ° 40.054 W

Bottom
Lat: 48 ° 58.192 N
Lon: 130 ° 40.054 W

End
Lat: 48 ° 58.19 N
Lon: 130 ° 40.05 W

Extra comments:
DMS
60 sec soak

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P12

Event #:

37

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 28 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC	Core Samples		Save sheet after printing labels.	YES
1	1	138	Bot-10	✓ 3275.5	xx		x	x	x	x				
2	2	139	3000	✓ 3000.0	x	x	x	x	x	x				
3	3	140	3000	✓ 3001.8	x	x	x	x	x	x				
4	4	141	2500	✓ 2500.3	x	x	x	x	x	x				
5	5	142	2000	✓ 1999.9	x	xx	x	x	x	x				
6	6	143	1500	✓ 1499.7	xx	x	x	x	x	x				
7	7	144	1250	✓ 1250.1	x	x	xx	xx	x	x				
8	8	145	1000	✓ 999.9	x	x	x	x	x	x				
9	9	146	800	✓ 800.2	x		x	x	x	x				
10	10	147	600	✓ 599.7	x		x	x	x	x				
11	11	148	400	✓ 399.8	x		x	x	x	x				
12	12	149	300	✓ 300.3	x		x		x	x				
13	13	150	250	✓ 250.2	xx		x		x	x				
14	14	151	200	✓ 200.2	x		x		x	x				
15	15	152	175	✓ 175.7	x		xx		x	x				
16	16	153	150	✓ 150.1	x		x		xx	x				
17	17	154	125	✓ 125.8	x		x		x	x				
18	18	155	100	✓ 100.8	x		x		x	x				
19	19	156	75	✓ 74.7	x		x		x	x				
20	20	157	50	✓ 50.3	x		x		x	x				
21	21	158	25	✓ 25.2	x		x		x	x				
22	22	159	10	✓ 10.3	x		x		x	xx				
23	23	160	5	✓ 5.3	xx		x		x	x				
24														

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 3228 m
Transmisso Cleaned: Y 1/N

Time UTC Local
Start 0506 2226
Bottom 0607 2307
End 0721 0021

Positional Information
Lat: 48 ° 58.260 N
Lon: 130 ° 40.030 W

Bottom
Lat: 48 ° 58.210 N
Lon: 130 ° 39.980 W

End
Lat: 48 ° 58.210 N
Lon: 130 ° 39.980 W

Extra comments:
Deep
* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P12

Event #:

39

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 28 Aug 2021

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels

YES

Profile type:

(ROS) TRM X-Niskin other?

Watchkeeper(s): SK

Bottom Depth: 3234 m

Transmisso Cleaned: Y N

Time UTC Local

Start 0913 0211

Bottom 0916

End 0921

Positional Information

Lat: 48 ° 58.198 N

Lon: 130 ° 39.959 W

Lat: 48 ° 58.198 N

Lon: 130 ° 39.959 W

Lat: 48 ° 58.198 N

Lon: 130 ° 39.959 W

Extra comments:

UVic

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P13

Event #:

40

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 28 Aug 2012/

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Sal Nut-F CHL HPLC Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels:
YES

Profile type:

ROS TRM X-Niskin other?
Watchkeeper(s): GC

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var	Core Samples	Comments
1		176	5	5	X	X	XX	XX			3.6 Flows
2		177	5	5					X		1040ml HPLC
3		5040	Loop	5	X		XX				
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Bottom Depth: 3014 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start 1400 700
Bottom 1435
End 1507

Positional Information
Lat: 49 ° 02.611 N
Lon: 131 ° 39.886 W

Bottom
Lat: 49 ° 02.552 N
Lon: 131 ° 39.816 W

End
Lat: 49 ° 2.531 N
Lon: 131 ° 39.800 W

Extra comments:
LOOPS

Water Properties Group

Program
STN List:

Line_P

Sampling Log

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

Cruise ID:

2021-008

Station:

P14

Event #:

42

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 28 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments
			Target Pressure	Confirmed Pressure		Nut-F	SAL	CHL	HPIC		TOC	VAR			
1	1	178	Bot-10	✓ 33593							x				
2	2	179	3000	✓ 3001.1			x				x				
3	3	180	2500	✓ 2449.4			xx				x				
4	4	181	2250	✓ 2250.1			x				x				
5	5	182	2000	✓ 2000.5			x				x				
6	6	183	1750	✓ 1749.4			x				x				
7	7	184	1500	✓ 1499.7							x				
8	8	185	1250	✓ 1251.2							x				
9	9	186	1000	✓ 1000.2							x				- Integrity Failure
10	10	187	800	✓ 800.7							x				bottom cap leaking
11	11	188	600	✓ 601.3							x				badly.
12	12	189	400	✓ 399.6							x				
13	13	190	300	✓ 299.9							x				
14	14	191	250	✓ 250.6							x				
15	15	192	200	✓ 199.3							x				
16	16	193	175	✓ 175.8							x				
17	17	194	150	✓ 151.0							x				
18	18	195	125	✓ 125.7							x				
19	19	196	100	✓ 100.3							x				
20	20	197	75	✓ 76.1							x				
21	21	198	50	✓ 50.7							x				
22	22	199	25	✓ 24.8							x				
23	23	200	10	✓ 10.9							xx				
24	24	201	5	✓ 5.5		x		x	xx		x		X		

Version: 28May2020

Transmissometer to be cleaned before each cast, do not use Armonia products

Profile type: (ROS) TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 3316 m

Transmisso Cleaned: (Y) N

Time UTC Local

Start	20191319
Bottom	21211421
End	22371537

Positional Information

Lat: 49 ° 7.450 N
Lon: 132 ° 39.900 W

▼

Lat: 49 ° 7.450 N
Lon: 132 ° 40.030 W

▼

Lat: 49 ° 7.400 N
Lon: 132 ° 39.990 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P15

Event #:

44

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 29 Aug 2021.

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Sal

Nut-F

CHL

HPLC

Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS

TRM

X-Niskin

other?

Watchkeeper(s): RF

Bottom Depth: 3398 m

Transmisso Cleaned: Y1 N

Time UTC Local

Start 0338 2038

Bottom 0416 2116

End 0450 2150

Positional Information

Lat: 49 ° 12.048 N

Lon: 133 ° 39.881 W

Bottom Lat: 49 ° 12.034 N

Lon: 133 ° 39.766 W

End Lat: 49 ° 11.960 N

Lon: 133 ° 39.750 W

Extra comments:

LOOPS

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-008

Station:

P16

Event #:

46

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 29 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core Samples				Comments Save sheet after printing labels:
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC						YES
1	1	207	Bot-10	✓	3687	X		X	X	X						
2	2	208	3500	✓		X	X	X	X	X						
3	3	209	3500	✓		X	X	X	X	X						
4	4	210	3000	✓		XX	X	X	X	X						
5	5	211	2500	✓		X	XX	X	X	X						
6	6	212	2000	✓		X	X	X	X	X						
7	7	213	1500	✓		X	X	X	X	X						
8	8	214	1250	✓		X	XX	X	X	X						
9	9	215	1000	✓		X	X	X	X	X						
10	10	216	800	✓		XX		X	X	X						
11	11	217	600	✓		X		X	X	X						
12	12	218	400	✓		X		XX	XX	X						
13	13	219	300	✓		X		X		X						
14	14	220	250	✓		X		X		X						
15	15	221	200	✓		X		X		X						
16	16	222	175	✓		X		X		X						
17	17	223	150	✓		X		XX		X						
18	18	224	125	✓		XX		X		X						
19	19	225	100	✓		X		X		X						
20	20	226	75	✓		X		X		X						
21	21	227	50	✓		X		X		X						
22	22	228	25	✓		X		X		XX						
23	23	229	10	✓		X		X		X						
24	24	230	5	✓		XX				X						

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): GC

Bottom Depth: 3629 m
Transmisso Cleaned: (X) / N

Time UTC Local
Start 1038 0358
Bottom 1140
End 1304

Positional Information
Start
Lat: 49 ° 16.993 N
Lon: 134 ° 39.990 W

Bottom
Lat: 49 ° 16.990 N
Lon: 134 ° 39.990 W

End
Lat: 49 ° 16.990 N
Lon: 134 ° 39.990 W

Extra comments:
Deep
* 60 sec soak

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P16

Event #:

49

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 29 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments
			Target Pressure	Confirmed Pressure	DMS	DMS-P-d	DMS-P-l	Nut-F	CHL	HPLC	Lugol's	Form	Glut	DA	
1	1	246	400	/	X	X	X	X							
2	2	247	200	/	X	X	X	X							
3	3	248	150	/	X	X	X	X							
4	4	249	100	/ 99	X			X	XX						
5	5	250	75	/ 75	X			X	X						
6	6	251	60	/ 60				X	X	XX					
7	7	252	50	/ 50	X			X	X	XX					
8	8	253	40	/ 40	X			X	X	XX					
9	9	254	30	/ 30	X	X	X	X	X	XX					
10	10	255	25	/ 25	X			X	X						
11	11	256	20	/ 20	XX	XX	XX	X	X						
12	12	257	15	/ 15	X			X	X	XX					
13	13	258	10	/ 10	X			X	X						
14	14	259	10	/ 10											
15	15	260	5	/ 5	X	X	X	X	X	XX					
16	16	261	0	/ 3	X	X	X	XX	XX						
17															
18															
19															
20															
21															
22															
23															
24															

photo sample taken lots of

water, Diatoms as characteristic

Pseudonitzschia

11 feet at 25m

Save sheet after printing labels: YES

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): GC

Bottom Depth: 3630 m
Transmisso Cleaned: Y N

Time UTC Local
Start 1621 0721
Bottom 1629
End 1654

Positional Information
Lat: 49 ° 17.05 N
Lon: 134 ° 39.94 W

Bottom
Lat: 49 ° 17.07 N
Lon: 134 ° 39.95 W

End
Lat: 49 ° 17.060 N
Lon: 134 ° 39.970 W

Extra comments:
DMS
* 60 sec soak Well mixed to

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P17

Event #:

51

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 21 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	DIC A	DIC C500	DIC C250	DIC C125	DIC B		Sal	Nut-F	CHL	HPLC	VAR	Save sheet after printing labels: YES	
1	1	262	2000	✓	2000	xxx					x						Analyze ASAP
2	2	263	2000	✓	"	x	xxx			x	x						Analyze after 6 months
3	3	264	2000	✓	"	x✓		xxx		x✓	x✓						Analyze after 6 months
4	4	265	2000	✓	"	x		xxx		x	x						Analyze after 6 months
5	5	266	2000	✓	"	x	xxx			x	x						Analyze after 1 year
6	6	267	2000	✓	"	x		xxx		x	x						Analyze after 1 year
7	7	268	2000	✓	"	x			xxx	x							Analyze after 1 year
8	8	269	2000	✓	"	x	xxx			x	x						Analyze after 2 years
9	9	270	2000	✓	"	x		xxx		x	x						Analyze after 2 years
10	10	271	2000	✓	"	x			xxx	x	x						Analyze after 2 years
11	11	272	2000	✓	10	xxx				x	x						Analyze ASAP
12	12	273	2000	✓	"	x	xxx			x	x						Analyze after 6 months
13	13	274	2000	✓	"	x		xxx		x	x						Analyze after 6 months
14	14	275	2000	✓	"	x			xxx	x	x						Analyze after 6 months
15	15	276	2000	✓	"	x	xxx			x	x						Analyze after 1 year
16	16	277	2000	✓	"	x		xxx		x	x						Analyze after 1 year
17	17	278	2000	✓	"	x			xxx	x	x						Analyze after 1 year
18	18	279	2000	✓	"	x	xxx			x	x						Analyze after 2 years
19	19	280	2000	✓	"	x		xxx		x	x						Analyze after 2 years
20	20	281	2000	✓	"	x			xxx	x	x						Analyze after 2 years
21	21	282	2000	✓	5							x	x	xx			
22		9283		✓	"												
23																	
24																	

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

NISKIN 4: NO WATER ALL SAMPLES #265 CAHE FROM NISKIN 3

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 3790 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2146	1446
Bottom	2219	1519
End	2256	1556

Positional Information

Lat: 49 ° 20.990 N

Lon: 135 ° 39.890 W

Bottom

Lat: 49 ° 20.920 N

Lon: 135 ° 40.030 W

End

Lat: 49 ° 20.870 N

Lon: 135 ° 40.100 W

Extra comments:

50uHgCl / 125ml bottle

100u HgCl/250ml, 200u HgCl / 500ml

DIC A + B = 500ml ground glass btl

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P18

Event #:

52

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 30 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	SAL	CHL	HPLC	TOC						
1	1	283	Bot-10	✓ 3890.3					x						
2	2	284	3500	✓ 3500.8		x			x						
3	3	285	3000	✓ 2999.5		xx			x						
4	4	286	2500	✓ 2501.3		x			x						
5	5	287	2000	✓ 1999.9		x			x						
6	6	288	1750	✓ 1750.1		x			x						
7	7	289	1500	✓ 1499.6		x			x						
8	8	290	1250	✓ 1249.6		x			x						
9	9	291	1000	✓ 1000.7		x			x						
10	10	292	800	✓ 799.9		x			x						
11	11	293	600	✓ 600.0		x			x						
12	12	294	400	✓ 399.3		x			x						
13	13	295	300	✓ 299.6		x			x						
14	14	296	250	✓ 250.4		x			x						
15	15	297	200	✓ 199.1		x			x						
16	16	298	175	✓ 176.1		x			x						
17	17	299	150	✓ 150.7		x			x						
18	18	300	125*	✓ 125.5		x			x						
19	19	301	100*	✓ 99.9		x			x						
20	20	302	75*	✓ 74.8		x			x						
21	21	303	50	✓ 50.		x			x						
22	22	304	25	✓ -		x			x						
23	23	305	10	✓ -		x			x						
24	24	306	5	✓ -		x	x	xx	xx						

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): RF/KS

Bottom Depth: 3827 m
Transmisso Cleaned: (Y) 1 N

Time UTC Local
Start 0407 2108
Bottom 0521 2221
End 0653

Positional Information
Start Lat: 49 ° 26.004 N
Lon: 136 ° 40.007 W

Bottom Lat: 49 ° 25.997 N
Lon: 136 ° 40.104 W

End Lat: 49 ° 25.985 N
Lon: 136 ° 40.097 W

Extra comments:
* = 60 second soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P19

Event #:

54

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 29 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var						
1	1	307	5	✓	X	X	XX	XX							
2	2	308	5						X						
3		307 5074 Loop			X		XX								
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): GRC

Bottom Depth: 3717 m
Transmisso Cleaned: (Y) / N

Time		UTC	Local
Start	1135		0438
Bottom	1213		
End	1245		

Positional Information
Start
Lat: 49 ° 29.950 N
Lon: 137 ° 39.940 W

Bottom
Lat: 49 ° 29.920 N
Lon: 137 ° 39.940 W

End
Lat: 49 ° 29.910 N
Lon: 137 ° 39.910 W

Extra comments:
LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P20

Event #:

57

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 29³⁰ Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	W-1	W-2	W-3	W-4	W-5	W-6	Core Samples		Save sheet after printing labels:	YES
1	1	324	Bot-10	✓ 4024.5	x			x	x	x			TOC: dropped 1:0	
2	2	325	3500	✓ 3499.1	x	x		x	x	x			on deck while spring	
3	3	326	3500	✓ 3500.0	x	x		x	x	x			new new sample	
4	4	327	3000	✓ 3000.2	x	xx		x	x	x			new bottle!	
5	5	328	2500	✓ 2499.8	xx	x		x	x	x			new new sample	
6	6	329	2000	✓ 1999.2	x	x		x	x	x			new bottle!	
7	7	330	1500	✓ 1499.9	x	xx		xx	x	x			new new sample	
8	8	331	1250	✓ 1250.6	x	x		x	x	x			new bottle!	
9	9	332	1000	✓ 1000.4	x	x		x	x	x			new new sample	
10	10	333	800	✓ 800.4	xx			x	x	x			new bottle!	
11	11	334	600	✓ 600.3	x			x	x	x			new new sample	
12	12	335	400	✓ 400.6	x			x	xx	x			new bottle!	
13	13	336	300	✓ 300.5	x			x	x	x			new new sample	
14	14	337	250	✓ 249.3	x			x	x	x			new bottle!	
15	15	338	200	✓ 199.7	xx			x	x	x			new new sample	
16	16	339	175*	✓ 174.2	x			x	x	x			new bottle!	
17	17	340	150*	✓ 150.1	x			x	x	x			new new sample	
18	18	341	125*	✓ 125.6	x			x	x	x			new bottle!	
19	19	342	100*	✓ 100.2	x			x	x	x			new new sample	
20	20	343	75*	✓ 75.3	x			xx	x	x			new bottle!	
21	21	344	50*	✓ 50.2	x			x	x	x			new new sample	
22	22	345	25	✓ 25.2	xx			x	x	x			new bottle!	
23	23	346	10	✓ 9.9	x			x	x	xx			new new sample	
24	24	347	5	✓ 5.4	x			x	x	x			new bottle!	

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): GC/RT/SA

Bottom Depth: 5954 m

Transmisso Cleaned: 91 N

Time UTC Local

Start 1810 1110

Bottom 1920 2120

End 2049 1349

Positional Information

Lat: 49 ° 33.990 N

Lon: 138 ° 39.997 W

Bottom

Lat: 49 ° 33.988 N

Lon: 138 ° 39.996 W

End

Lat: 49 ° 33.986 N

Lon: 138 ° 39.995 W

Extra comments:

Deep

* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P20

Event #:

59

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 30 Aug 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core Samples					Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	DMS	DMS-P-d	DMS-P-1	Nut-F	CHL	HPLC	Lugol's	Form	Glut	DA	UBC		
1	1	354	400	✓ 400.9	x	x	x	x									
2	2	355	200*	✓ 199.8	x	x	x	x									
3	3	356	150*	✓ 151.1	x	x	x	x									
4	4	357	100*	✓ 99.8	x			x	x								
5	5	358	75*	✓ 73.5	x			x	x								
6	6	359	60*	✓ 60.3				x	x	xx							
7	7	360	50*	✓ 49.9	x			x	x	xx							
8	8	361	40*	✓ 40.6	x			x	x	xx							
9	9	362	30*	✓ 30.2	x	x	x	xx	x	xx							
10	10	363	25*	✓ 26.0	x			x	xx								
11	11	364	20	✓ 20.6	xx	xx	xx	x	xx								
12	12	365	15	✓ 15.9	x			x	x	xx							
13	13	366	10	✓ 10	x			x	x								
14	14	367	10	✓ 11													
15	15	368	5	✓ 5.2	x	x	x	x	x	xx							
16	16	369	0	✓ 3.0	x	x	x	x	x								
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 3955 m

Transmisso Cleaned: ND N

Time	UTC	Local
Start	2310	1610
Bottom		
End	2341	1641

Positional Information

Start

Lat: 49 ° 34.020 N

Lon: 138 ° 39.883 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: 49 ° 34.009 N

Lon: 138 ° 39.889 W

Extra comments:

DMS

* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P21

Event #:

61

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 31 Aug 2021

Niskin

#

Firing

Sample

Target

Pressure

Confirmed

Pressure

Sal

Nut-F

CHL

HPLC

Var

Bulk

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 3948 m

Transmisso Cleaned: 0 / N

Time UTC Local

Start 0418 2118

Bottom 0456 2156

End 0528 2228

Positional Information

Lat: 49 ° 37.980 N

Lon: 139 ° 39.980 W

Lat: 49 ° 38.040 N

Lon: 139 ° 40.070 W

Lat: 49 ° 38.060 N

Lon: 139 ° 40.160 W

Lat: 49 ° 38.060 N

Lon: 139 ° 40.160 W

Lat: 49 ° 38.060 N

Lon: 139 ° 40.160 W

Lat: 49 ° 38.060 N

Lon: 139 ° 40.160 W

Lat: 49 ° 38.060 N

Lon: 139 ° 40.160 W

Extra comments:

LOOPS

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-008

Station:

P22

Event #:

63

Ship:

JP Tully

UTC Date (ddmmmyyyy): 31 Aug 2021

Rosette Operation

Target Pressure
Confirmed Pressure

Sampler's Initials / Samples Taken

Nut-F SAL CHL HPLC TOC

Sample Lists:

All Samples

Comments

Profile type:

RO8 TRM X-Niskin other?

Watchkeeper(s): SL

Bottom Depth: 3988 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0947 0247

Bottom 1054

End 1222

Positional Information

Lat: 49 ° 41.950 N

Lon: 140 ° 39.920 W

Lat: 49 ° 41.990 N

Lon: 140 ° 35.890 W

Lat: 49 ° 41.770 N

Lon: 140 ° 39.520 W

Extra comments:

50 → gradual

60 sec stop

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P23

Event #:

04 65

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 31 Aug 2021

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): GC/SH

Bottom Depth: 4032 m

Transmisso Cleaned: 0/1 N

Time UTC Local

Start 1644 0944

Bottom 1218

End 1751

Positional Information

Lat: 49 ° 45.960 N

Lon: 141 ° 40.100 W

Bottom

Lat: 49 ° 45.990 N

Lon: 141 ° 40.130 W

End

Lat: 49 ° 45.990 N

Lon: 141 ° 40.130 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P24

Event #:

68

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 1 Sept 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	SAL	CHL	HPLC	TOC		All Samples					
1	1	398	Bot-10	✓ 409.8					X							
2	2	399	3500	✓ 3500		X			X							
3	3	400	3000	✓ 3000		X			X							
4	4	401	2500	✓ 2500		X			X							
5	5	402	2000	✓ 1999		X			X							
6	6	403	1750	✓ 1750.0		X			X							
7	7	404	1500	✓ 1500.1		XX			X							
8	8	405	1250	✓ 1250.4		X			X							
9	9	406	1000	✓ 1000.5		X			X							
10	10	407	800	✓ 800.9					X							
11	11	408	600	✓ 600.2					X							
12	12	409	400	✓ 400.3					X							
13	13	410	300	✓ 300.2					X							
14	14	411	250	✓ 250.3					X							
15	15	412	200	✓ 200.2					X							
16	16	413	175	✓ 175.2					X							
17	17	414	150	✓ 150.2					X							
18	18	415	125	✓ 125.2					X							
19	19	416	100	✓ 100.1					X							
20	20	417	75	✓ 75.1					X							
21	21	418	50	✓ 50.0					XX							
22	22	419	25	✓ 24.8					X							
23	23	420	10	✓ 10.8					X							
24	24	421	5	✓ 5.1	X		X	XX	X							

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 3975 m

Transmisso Cleaned: (Y) N

Time

UTCLocal

Start3:3320:30

Bottom4:4921:49

End6:2811:28

Positional Information

Start

Lat: 49 ° 50 030 N

Lon: 142 ° 39 880 W

Bottom

Lat: 49 ° 50 620 N

Lon: 142 ° 39 880 W

End

Lat: 49 ° 50 030 N

Lon: 142 ° 39 890 W

Extra comments:

* 60 second scale

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-008

Station:

P25

Event #:

70

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 1 Sept 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var			Save sheet after printing labels: YES	
1	1	422	5	✓ 4.7	x	x	xx	xx					
2													
3		5070	Loop	✓	x		xx						SR Sample
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): Gc

Bottom Depth: 412.7 m

Transmisso Cleaned: B1 N

Time	UTC	Local
Start	1025	0325
Bottom	1059	
End	1132	

Positional Information

Lat: 50 ° 00.054 N

Lon: 143 ° 36.295 W

Bottom

Lat: 50 ° 00.026 N

Lon: 143 ° 36.308 W

End

Lat: 50 ° 00.042 N

Lon: 143 ° 36.298 W

Extra comments:

LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P35

Event #:

72

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 01 | Sept | 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var			Save sheet after printing labels:	YES
1	1	423	5	✓ 5.2			x	xx	xx				
2	1	424	5	✓ 5.2					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): GC

Bottom Depth: 4134 m
Transmisso Cleaned: ☒ Y ☐ N

Time		UTC	Local
Start		1445	0745
Bottom		1522	
End		1556	

Positional Information

Start
Lat: 50 ° 00.02 N
Lon: 144 ° 18.101 W

Bottom
Lat: 49 ° 59.960 N
Lon: 144 ° 18.020 W

End
Lat: 49 ° 58.900 N
Lon: 144 ° 17.990 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P26

Event #:

75

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 1 Sep 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:					Comments
			Target Pressure	Confirmed Pressure	W/L	DC	DC	W/L	W/L	W/L	W/L	W/L	W/L	W/L	W/L	W/L	W/L	W/L		
1	1	430	400	✓ 399.9	X	X	X	X	XX											
2	2	431	200	✓ 200.5	X	X	X	X												
3	3	432	150	✓ 149.1	X	X	X	X												
4	4	433	100	✓ 100.2	X			X	X											
5	5	434	75*	✓ 74.4	X			X	XX											
6	6	435	60*	✓ 59.9				X	X	XX										
7	7	436	50*	✓ 50.6	X			X	X	XX										
8	8	437	40*	✓ 39.8	X			X	X	XX										
9	9	438	30*	✓ 29.9	X	X	X	X	X	XX										
10	10	439	25	✓ 25.0	X			X	X											
11	11	440	20	✓ 19.6	XX	XX	XX	X	X											
12	12	441	15	✓ 15.1	X			X	X	XX										
13	13	442	10	✓ 10.9	X			X	XX											
14	14	443	10	✓ 10.1																
15	15	444	5	✓ 4.9	X	X	X	X												
16	16	445	5	✓ 4.9				X	XX											
17	17	446	0	✓ 3.1	X	X	X	X	X											
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Save sheet after printing labels: YES

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: 4233 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1950 1250

Bottom 1956 1256

End 2018 1318

Positional Information

Lat: 50 ° 00.010 N

Lon: 144 ° 59.920 W

Bottom

Lat: 50 ° 00.020 N

Lon: 144 ° 59.920 W

End

Lat: 50 ° 00.020 N

Lon: 144 ° 59.920 W

Extra comments:

DMS

* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P26

Event #:

77

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 1 Sept 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments Save sheet after printing labels:
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC					
1	1	454	Bot-10	✓ 4317.7	x		x	x	x	x					
2	2	455	4000	✓ 4000.6	x	xx	x	x	x	x					
3	3	456	3500	✓ 3499.0	xx	x	x	x	x	x					
4	4	457	3000	✓ 3000.2	x	x	x	x	x	x					
5	5	458	2500	✓ 2562.2	x	x	xx	xx	x	x					
6	6	459	2000	✓ 2001.2	x	xx	x	x	x	x					
7	7	460	1500	✓ 1501.8	x	x	x	x	x	x					
8	8	461	1250	✓ 1249.4	xx	x	x	x	x	x					
9	9	462	1000	✓ 998.9	x	x	x	x	x	x					
10	10	463	800	✓ 800.5	x		x	x	x	x					
11	11	464	600	✓ 601.9	x		x	x	x	x					
12	12	465	400	✓ 401.6	x		x	x	x	x					
13	13	466	300	✓ 300.4	x		xx		x	x					
14	14	467	250	✓ 250.1	x		x		x	x					
15	15	468	200	✓ 200.1	x		x		x	x					
16	16	469	175	✓ 175.6	xx		x		x	x					
17	17	470	150	✓ 150.3	x		x		x	x					
18	18	471	125*	✓ 125.3	x		x		x	x					
19	19	472	100	✓ 99.4	x		x		x	x					
20	20	473	75*	✓ 75.5	x		x		xx	x					
21	21	474	50*	✓ 49.4	x		x		x	x					
22	22	475	25*	✓ 25.5	x		x		x	xx					
23	23	476	10	✓ 10.2	xx		x		x	x					
24	24	477	5	✓ 4.6	x		x		x	x					

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 4233 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 2203 1503
Bottom 2321 1721
End 0053 1753

Positional Information
Lat: 50 ° 00.010 N
Lon: 144 ° 59 940 W

Bottom
Lat: 50 ° 0.610 N
Lon: 144 ° 59.940 W

End
Lat: 50 ° 00.010 N
Lon: 144 ° 59.940 W

Extra comments:
Deep
* 60 sec soak *

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-008

Station:

P26

Event #:

79

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 2 Sept 2021

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 4254.25m

Transmisso Cleaned: Y / (N)

Time UTC Local

Start 4:22 21:22

Bottom 4:26 21:26

End 4:32 21:32

Positional Information

Lat: 50.0.010 N

Lon: 144.59.980 W

Lat: 50.0.010 N

Lon: 144.59.980 W

Lat: 50.0.010 N

Lon: 144.59.980 W

Extra comments:

UVC

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-008

Station:

P26

Event #:

80

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 2 Sept 2021

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Sampler's Initials / Samples Taken

IOS

DMe

IOS

TMe

IOS

Lig

UBC

DMeUBC

TMeUBC

UBC

Sepc

Sample Lists:

Core Samples

UBC

Lead

Nut-F

Nut-C

Sal

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM

(X-Niskin) other?

Watchkeeper(s): RF RM

Bottom Depth: 4249 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0436

Bottom 0458

End 0525

Positional Information

Lat: 50 ° 00' 10" N

Lon: 144 ° 57' 48" W

Lat: 50 ° 00' 11" N

Lon: 144 ° 59' 48" W

Lat: ° N

Lon: ° W

Extra comments:

TM-10

Bulk water UBC

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-008

Station:

PA-015

Event #:

81

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 2 Sep 2021

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

OXY

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

RT

Bottom Depth: 4217 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0632 2332

Bottom 0639 2339

End 0649

Positional Information

Lat: 50 ° 6.840 N

Lon: 144 ° 48.960 W

Bottom Lat: 50 ° 6.960 N

Lon: 144 ° 48.910 W

End Lat: 50 ° 06.860 N

Lon: 144 ° 48.870 W

Extra comments:

CTD to 350 m.