

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

SI

Event #:

1

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 19 May 2021

Niskin #

Firing #

Sample #

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPLC

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): RF

Bottom Depth: 192 m

Transmisso Cleaned: Y I N

Time

UTC

Local

Start

Bottom

End

Positional Information

Lat: 48 ° 39.006 N

Lon: 123 ° 30.354 W

Bottom

Lat: 48 ° 39.007 N

Lon: 123 ° 30.362 W

End

Lat: 48 ° 39.007 N

Lon: 123 ° 30.360 W

Extra comments:

Nothing to remark.

Version: 4MAR2021

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

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

59

Event #:

3

Ship:

JP Tully

UTC Date (dd|mm|yy): 19 | 05 | 2021

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken OXY Nut-F Sal CHL HPLC DIC

Sample Lists: Core_Samples

Comments Save sheet after printing labels: YES

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

Bottom Depth: 230 m Transmisso Cleaned: Y / N

Time UTC Local

Start	2021	1321
Bottom	2028	1328
End	2045	1345

Positional Information

Lat: 48 ° 36.910 N
Lon: 123 ° 14.800 W

Bottom

Lat: 48 ° 36.880 N
Lon: 123 ° 14.810 W

End

Lat: 48 ° 36.430 N
Lon: 123 ° 14.770 W

Extra comments:

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

JF2

Event #:

6

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	DA	Lugol's	DIC	Core Samples	Save sheet after printing labels:	YES
1		13	Bot-5	✓ 183	x	xx					x			
2		14	150	✓ 151	x	x					x			
3		15	100	✓ 101	x	x					xx			
4		16	80	✓ 80	xx	x					x			
5		17	60	✓ 60	x	x					x			
6		18	50	✓ 50	x	xx	x				x			
7		19	30	✓ 30	x	x	xx				x			
8		20	20	✓ 20	x	x	x				x			
9		21	10	✓ 10	x	x	x				x			
10		22	5	✓ 5	xx	x	x	xx	x	x	x			
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Bottom Depth: 188 m

Transmisso Cleaned: 9/1 N

Time	UTC	Local
Start	0123	1823
Bottom	0126	1826
End	0141	1841

Positional Information

Lat: 48 ° 17.960 N

Lon: 123 ° 57.910 W

Bottom

Lat: 48 ° 17.960 N

Lon: 123 ° 59.930 W

End

Lat: 48 ° 17.960 N

Lon: 123 ° 59.820 W

Extra comments:

Water Properties Group

Program
STN List: All_Sms

Sampling Log

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

Cruise ID: 2021-005

Station: LB01

Event #: 7

Ship: JP Tully

UTC Date (dd|mm|yyyy): 20 | 11 | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core_Samples		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	FA	PHOS	Phyto	TEP			Save sheet after printing labels: YES
1		23	Bot-10	✓ 28		x		x			x							
2		24	20	✓ 20		x		x	xx		xx							
3		25	10	✓ 10		x		x		xx	x							
4		26	5	✓ 5		x		x			xx							
5		27	5	✓ 5					xx	xx								
6		28	5	✓ 5								x	x					Sile - 2 X 3L
7		29	5	✓ 5										x	x			Sile - Lugols/Tep
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): CJ

Bottom Depth: 37 m

Transmisso Cleaned: Y

Time	UTC	Local
Start	0601	2339
Bottom	0602	2302
End	0608	2338

Positional Information

Start

Lat: 48 ° 40.295 N

Lon: 124 ° 59.150 W

Bottom

Lat: 48 ° 40.282 N

Lon: 124 ° 59.154 W

End

Lat: 48 ° 40.245 N

Lon: 124 ° 59.170 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

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

Cruise ID: 2021-005

Station:

LB02

Event #:

8

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:			Core Samples		Comments									
			Target Pressure	Confirmed Pressure	RF/NW	RF/DS	NW	NW	SS	NW	Form	Glut	MW	DA		Save sheet after printing labels: YES									
1	1	30	Bot-10	✓ 46.3			X	X	X																
2	2	31	30	✓ 30.3			X	X	XX																
3	3	32	20	✓ 19.9			XX	X	X					XX											
4	4	33	10	✓ 9.9			X	X	X					XX											
5	5	34	5	✓ 5.0			X	XX	X					XX	X										
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): CS/RF

Bottom Depth: 56 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0650	2350
Bottom	0652	2352
End	0659	2359

Positional Information

Lat: 48 ° 38.938 N

Lon: 125 ° 02.195 W

Bottom

Lat: 48 ° 38.930 N

Lon: 125 ° 2.190 W

End

Lat: 48 ° 38.930 N

Lon: 125 ° 2.230 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB03

Event #:

9

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Core	Samples	
1	1	35	5	4.4	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										

Version: 4MMAR2021

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

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 95 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0738	0033
Bottom	0737	0037
End	0740	0040

Positional Information

Start

Lat: 48 ° 37.270 N

Lon: 125 ° 5.580 W

Bottom

Lat: 48 ° 37.260 N

Lon: 125 ° 5.580 W

End

Lat: 48 ° 37.240 N

Lon: 125 ° 5.570 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-005

Station: LB04

Event #: 10

Ship: JP Tully

UTC Date (dd|mm|yyyy): 20 May 2021

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

1	1	36	Bot-10	✓	104.3	x	x				
2	2	37	75	✓	74.7	xx	x				
3	3	38	50	✓	49.3	x	xx	x			
4	4	39	30	✓	29.2	x	x	x			
5	5	40	20	✓	20.0	x	x	x	xx		
6	6	41	10	✓	9.5	x	x	xx	xx		
7	7	42	5	✓	5.2	x	x	x	xx		
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: 112 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0812	0112
Bottom	0815	0115
End	0825	0125

Positional Information

Start

Lat: 48 ° 35.660 N

Lon: 125 ° 8.840 W

Bottom

Lat: 48 ° 35.660 N

Lon: 125 ° 8.850 W

End

Lat: 48 ° 35.640 N

Lon: 125 ° 8.910 W

Extra comments:

Nothing to remark.

Water Properties Group

Program
STN List: All_Sms

Sampling Log

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

Cruise ID: 2021-005 Station: LB05 Event #: 13 Ship: JP Tully UTC Date (dd|mm|yyyy): May 12 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC			
1	1	43	5	4.7	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] TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 124 m
Transmisso Cleaned: Y/N

Time	UTC	Local
Start	1036	0336
Bottom	1038	0338
End	1042	0342

Positional Information

Start

Lat: 48 ° 34.100 N
Lon: 125 ° 12.000 W

Bottom

Lat: 48 ° 34.110 N
Lon: 125 ° 11.990 W

End

Lat: 48 ° 34.110 N
Lon: 125 ° 11.970 W

Extra comments:
Nothing to remark

Water Properties Group

Program
STN List:
All Stns

Station:
LB06

Event #:
14

Ship:
JP Tully

UTC Date (dd|mm|yy|yy):
20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4								
1	1	44	Bot-10	✓ 107.6	X	X											
2	2	45	100	✓ 100.6	XX	X											
3	3	46	75	✓ 75.0	X	XX											
4	4	47	50	✓ 50.1	X	X	X										
5	5	48	30	✓ 29.9	X	X	XX										
6	6	49	20	✓ 19.5	X	X	X		XX								
7	7	50	10	✓ 10.5	X	X	X		XX								
8	8	51	5	✓ 4.8	X	X	X	XX	XX								
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 115 m

Transmisso Cleaned: Y / N

Time		UTC	Local
Start	1114	0419	
Bottom	1122	0422	
End	1134	0434	

Positional Information

Start

Lat: 48 ° 32.170 N

Lon: 125 ° 15.530 W

Bottom

Lat: 48 ° 32.180 N

Lon: 125 ° 15.520 W

End

Lat: 48 ° 32.220 N

Lon: 125 ° 15.400 W

Extra comments:

Nothing to remark

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB07

Event #:

23

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Core_Samples		Save sheet after printing labels:	YES
1	/	52	5	✓ 5.0	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 ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 156 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1658	0958
Bottom	1701	1001
End	1706	1006

Positional Information

Start

Lat: 48 ° 28.620 N

Lon: 125 ° 22.110 W

Bottom

Lat: 48 ° 28.610 N

Lon: 125 ° 22.120 W

End

Lat: 48 ° 28.610 N

Lon: 125 ° 22.150 W

Extra comments:

Nothing to remark!

Water Properties Group

Program STN List: All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LB08

Event #:

29

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core Samples		Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	OOB	Chito		
1		53	Bot-5	✓ 141	X		X					X			
2		54	Bot-10	✓ 139	X		X					XX			
3		55	125	✓ 125	XX		X								
4		56	100	✓ 100											
5		57	100	✓ 100	X		XX					X		X	
6		58	75	✓ 75	X		X					X			
7		59	50	✓ 50	X		X	X				X			
8		60	50	✓ 50											
9		61	50	✓ 50									X		
10		62	30	✓ 30	X		X	X				X		X	
11		63	30	✓ 30											
12		64	20	✓ 20	X		X	X				X			
13		65	20	✓ 20											
14		66	10	✓ 10	X		X	XX				X		X	
15		67	10	✓ 10											
16		68	10	✓ 10											
17		69	5	✓ 5	X	X								X	
18		70	5	✓ 5			X	X	XX			X			
19		71	5	✓ 5											
20		72	5	✓ 5									X		
21													X		
22															
23															
24															

Version: 4MAR2021

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

End

Bottom

Start

Save sheet after printing labels:

Version: 4MARR2021

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

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

Bottom Depth: 150 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 2109 1409
Bottom 2112 1414
End 2126 1426

Positional Information
Start Lat: 48° 25.210 N
Lon: 125° 28.501 W

Bottom Lat: 48° 25.140 N
Lon: 125° 28.645 W

End Lat: 48° 25.090 N
Lon: 125° 28.920 W

Extra comments:

All Stns

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

Cruise ID:

2021-005

Station:

LB09

Event #:

22

Ship:

JP Tully

UTC Date (dd mmm yyyy):

22

Comments

Save sheet after printing labels:

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
 Watchkeeper(s): *JS*

Watchkeeper(s):

2

Bottom Depth: 150 m

Transmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	2252	1559
-------	------	------

Bottom	225	1555
--------	-----	------

End	2369	1609
-----	------	------

Positional Information

Lat: 48 ° 21.936 N

Lon: 125 ° 34.660 W

▲

Lat: 48° 21.9' N

Lon: 125 ° 34.680 W

▲

End	
Lon:	125 ° 34 648 W

Lon: 125 ° 34 648 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LB10

Event #:

33

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 20 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Core_Samples		Save sheet after printing labels:	YES
1		82	5	✓ S	x	fx	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): 0

Bottom Depth: 154 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2358	1658
Bottom	0001	1701
End	0002	1704

Positional Information

Start

Lat: 48 ° 18.40 N

Lon: 125 ° 41.370 W

Bottom

Lat: 48 ° 18.490 N

Lon: 125 ° 41.380 W

End

Lat: 48 ° 18.500 N

Lon: 125 ° 41.380 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB11

Event #:

34

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 21 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4		Core Samples		Save sheet after printing labels:	YES
1		83	Bot-10	✓ 197	x	x								
2		84	175	✓ 175	x	xx								
3		85	150	✓ 150	x	x								
4		86	125	✓ 125	x	x								
5		87	100	✓ 99	x	x								
6		88	75	✓ 75	x	x								
7		89	50	✓ 50	xx	x	x							
8		90	30	✓ 30	x	x	x							
9		91	20	✓ 20	x	x	xx		xx					
10		92	10	✓ 10	x	x	x		xx					
11		93	5	✓ 5	x	x	x	xx	xx					
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

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

Bottom Depth: 207 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0853 1753
Bottom 0857 1857
End 0113 1813

Positional Information
Start
Lat: 48 ° 15.20' N
Lon: 125 ° 49.70' W

Bottom
Lat: 48 ° 15.79' N
Lon: 125 ° 49.97' W

End
Lat: 48 ° 15.48' N
Lon: 125 ° 49.79' W

Extra comments:

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB12

Event #:

26

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

21 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed ☒ / Pressure	OXY	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	Glut	Form	DA	
1		94	Bot-10	☒ 500	X	X	X								
2		95	400	☒ 1400	X	XX	XX								
3		96	300	☒ 300	XX	X									
4		97	250	☒ 251	X	X									
5		98	200	☒ 200	X	X									
6		99	175	☒ 175	X	X									
7		100	150	☒ 150	X	X									
8		101	125	☒ 125	X	X									
9		102	100	☒ 100	X	X									
10		103	75	☒ 75	X	X									
11		104	50	☒ 50	X	XX		X							
12		105	30	☒ 30	X	X		XX							
13		106	20	☒ 20	X	X		X		XX					
14		107	10	☒ 10	XX	X		X		XX					
15		108	5	☒ 5	X	X		X		XX	X	X	X	X	
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 513 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0211	1911
Bottom	0220	1920
End	0243	1943

Positional Information
Start
Lat: 48 ° 12.900 N
Lon: 125 ° 51.870 W

Bottom
Lat: 48 ° 12.870 N
Lon: 125 ° 51.550 W

End
Lat: 48 ° 12.755 N
Lon: 125 ° 51.920 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LB13

Event #:

31

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 21 May 2021

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): V

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	NutF	CHL	HPLC	Sample Lists: Core_Samples	Comments
1		109	5	V	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									

Bottom Depth: 4922 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0313	2023
Bottom	0331	2034
End	0348	2056

Positional Information

Start
Lat: 48 ° 10 . 580 N
Lon: 125 ° 56.110 W

Bottom
Lat: 48 ° 10.580 N
Lon: 125 ° 56.140 W

End
Lat: 48 ° 10.570 N
Lon: 125 ° 56.060 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB14

Event #:

38

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 21 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPIC	NH4	Core Samples	Save sheet after printing labels:	YES
1		110	Bot-10	✓ 1170	X		X	X						
2		111	1000	✓ 1000	XX	XX	X	X						
3		112	750	✓ 1150	X	X	X	X						
4		113	500	✓ 500	X	X	XX	XX						
5		114	400	✓ 400	X		X	X						
6		115	300	✓ 301	X		X							
7		116	250	✓ 250	X		X							
8		117	200	✓ 200	X		X							
9		118	175	✓ 175	X		X							
10		119	150	✓ 150	X		X							
11		120	125	✓ 125	XX		X							
12		121	100	✓ 100	X		X							
13		122	75	✓ 75	X		X							
14		123	50	✓ 50	X		X							
15		124	30	✓ 30	X		XX		X					
16		125	20	✓ 20	X		X		X		XX			
17		126	10	✓ 10	X		X		XX		XX			
18		127	5	✓ 5	X		X		X		XX			
19														
20														
21														
22														
23														
24														

Version: 4MAR2021

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

Profile type: ROS TRM X-Niskin other? Watchkeeper(s): 0

Bottom Depth: 1175 m Transmisso Cleaned: Y / N

Time UTC Local Start 0453 0133 Bottom 0453 0153 End 0532 2232

Positional Information Start Lat: 48° 08' 40" N Lon: 125° 57' 95" W

Bottom Lat: 48° 08' 360" N Lon: 125° 59' 970" W

End Lat: 48° 08' 280" N Lon: 125° 59' 980" W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB15

Event #:

39

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 21 May 2022

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

Confirmed Pressure

Nut-F

CHL

HPIC

FA

PHOS

Phyto

TEP

Sample Lists:

Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): CS/RF

Target Pressure

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LB16

Event #:

148

Ship:

JP Tully

UTC Date (dd mmm yyyy): 21 May 2021

Profile type:

ROS	TRM	X-Niskin	other?
-----	-----	----------	--------

other?

Watchkeeper(s): RF

RF

[illegible]

Bottom Depth: 1810 m

Transmisso Cleaned: Y / N

Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
-------------	------------	--------------

Start	0837	0137
-------	------	------

Bottom	0908	0208
--------	------	------

End	0937	0237
-----	------	------

Positional Information

Lat: 48 ° 0.460 N

Lon: 126 ° 16.877 W

Lat: 48 ° 0.468 N

Lon: 126 ° 16.880 W

Lat: 48° 0.46' N

Lon: 126 ° 16.880 W

Extra comments:

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LC11

Event #:

47

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 21 May 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	HPLC	NH4				Save sheet after printing labels:	YES
1		132	Bot-10	✓ 1491	X		X	X								
2		133	1250	✓ 1250	X	X	XX	XX								
3		134	1000	✓ 1000	X	XX	X	X								
4		135	750	✓ 750	XX	X	X	X								
5		136	500	✓ 500	X	X	X	X								
6		137	400	✓ 400	X		X	X								
7		138	300	✓ 301	X		X									
8		139	250	✓ 250	X		X									
9		140	200	✓ 200	X		X									
10		141	175	✓ 175	XX		X									
11		142	150	✓ 151	X		X									
12		143	125	✓ 125	X		XX									
13		144	100	✓ 100	X		X									
14		145	75	✓ 75	X		X									
15		146	50	✓ 50	X		X		XX							
16		147	30	✓ 30	X		X		X							
17		148	20	✓ 20	X		X		X		XX					
18		149	10	✓ 10	XX		X		X		XX					
19		150	5	✓ 5	X	X	X		X	XX	XX					
20																
21																
22																
23																
24																

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

Bottom Depth: 1441 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1918	1218
Bottom	1943	1243
End	2024	1324

Positional Information
Lat: 48 ° 18.950 N
Lon: 126 ° 26.690 W

Bottom
Lat: 48 ° 18.950 N
Lon: 126 ° 26.808 W

End
Lat: 48 ° 18.877 N
Lon: 126 ° 21.103 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LC09

Event #:

49

Ship:

JP Tully

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

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Nut-C	CHL	HPIC	NH4	DIC	Lugol's	DA	Chito	OOB		
1		151	Bot-10	✓ 601	x	x	xx				x						
2		152	500	✓ 500.5	x	x	x				x						
3		153	400	✓ 400.8	x	x	x				xx						
4		154	300	✓ 300.2	x	x					x						
5		155	250	✓ 250	xx	x					x				x		
6		156	200	✓ 200	x	x					x						
7		157	175	✓ 174.6	x	xx											
8		158	150	✓ 150.6	x	x									x		
9		159	125	✓ 125.6	x	xx											
10		160	100	✓ 100.4	x	x					xx						
11		161	75	✓ 75.4	xx	x											
12		162	50	✓ 50.5	x	x		x			x				x		
13		163	50	✓ 50.3												x	
14		164	30	✓ 30.2	x	x		xx			x						
15		165	30	✓ 30.2												x	
16		166	20	✓ 20.4	x	x		x		xx					x		
17		167	20	✓ 20.4												x	
18		168	10	✓ 10.6	x	x		x		xx	x						
19		169	10	✓ 10.6												x	
20		170	5	✓ 4.6	x					xx	x						
21		171	5	✓ 4.8		x		x	xx				x	x			
22		172	5	✓ 4.8												x	
23																	
24																	

Profile type: ☒ ROS TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): 15

Bottom Depth: 610 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2246	1546
Bottom	2257	1557
End	2326	1626

Positional Information

Lat: 48	°	25.930	N
Lon: 126	°	13.640	W

Start

Lat: 48	°	25.890	N
Lon: 126	°	13.680	W

Bottom

Lat: 48	°	25.770	N
Lon: 126	°	13.550	W

End

Extra comments:

Water Properties Group

Program STN List: All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LC08

Event #:

54

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 02 | 14 | 2022

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

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

Sample Lists: Core Samples DIC

Comments Save sheet after printing labels: YES

Profile type: ROS TRM X-Niskin other? Watchkeeper(s): 05

Bottom Depth: 200 m Transmisso Cleaned: (Y) / N

Time UTC Local Start 0259 1959 Bottom 0303 2003 End 0319 2019

Positional Information Lat: 48 ° 29.40 N Start Lon: 126 ° 07.14 W

Bottom Lat: 48 ° 29.40 N Bottom Lon: 126 ° 07.16 W

End Lat: 48 ° 29.32 N End Lon: 126 ° 07.20 W

Extra comments:

Water Properties Group

Program STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LC06

Event #:

57

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 22 | May | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	FA	PHOS	Phyto	TEP			Save sheet after printing labels: YES
1		185	Bot-10	✓ 85	X	X										
2		186	75	✓ 75	X	X										
3		187	50	✓ 50	XX	X	X									
4		188	30	✓ 30	X	X	XX						X			Michael UVIC
5		189	20	✓ 20	X	X	X		XX				X			Michael UVIC
6		190	10	✓ 10	X	XX	X		XX				X			Michael UVIC
7		191	5	✓ 5		X	X	XX	XX				X			Sile/Michael
8		192	5	✓ 5						X	X					Sile
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Version: 4MAR2021

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

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): A

Bottom Depth: 94 m

Transmissio Cleaned: (Y) / N

Time UTC Local

Start	0524	2224
Bottom	0526	2226
End		

Positional Information

Start

Lat: 48 ° 36.490 N

Lon: 125 ° 54.010 W

Bottom

Lat: 48 ° 36.490 N

Lon: 125 ° 53.940 W

End

Lat: 48 ° N

Lon: 125 ° W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LC04

Event #:

63

Ship:

JP Tully

UTC Date (dd|mm|yyyy): May 22 2019.

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Chito	OOB	Core Samples	Save sheet after printing labels:	YES
1	1	193	Bot-10	✓ 157.7	x	x								
2	2	194	150	✓ 151.0	x	x				x				
3	3	195	125	✓ 125.6	x	x								
4	4	196	100	✓ 100.3	x	x				x				
5	5	197	75	✓ 74.3	x	x								
6	6	198	50	✓ 49.8	x	xx	x			x				
7	7	199	50	✓ "										
8	8	200	30	✓ 31.2	xx	x	xx				x			
9	9	201	30	✓ 30.8							x			
10	10	202	20	✓ 20.2	x	x	x		xx	x				
11	11	203	20	✓ 20.3							x			
12	12	204	10	✓ 10.4	x	x	x		xx	x				
13	13	205	10	✓ 10.4							x			
14	14	206	5	✓ 4.7	x	x				x				
15	15	207	5	✓ 4.2			x	xx	xx					
16	16	208	5	✓ "							x			
17														
18														
19														
20														
21														
22														
23														
24														

Profile type:

(ROS) TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 167 m

Transmisso Cleaned: 01 N

Time		UTC	Local
Start		0837	0137
Bottom		0841	0141
End		0857	0157

Positional Information

Start
Lat: 48 ° 43.460 N
Lon: 125 ° 40.810 W

Bottom
Lat: 48 ° 43.460 N
Lon: 125 ° 40.810 W

End
Lat: 48 ° 43.430 N
Lon: 125 ° 40.820 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LC02

Event #:

65

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 22 May 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	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	Lugol's	DA			
1	1	209	Bot-10	✓ 100.7	x		x				x					
2	2	210	75	✓ 75.9	x		x				xx					
3	3	211	50	✓ 50.1	xx		x	x			x					
4	4	212	30	✓ 29.298	x		x	x			xx					
5	5	213	20	✓ 20.2	x		xx	x		xx	x					
6	6	214	10	✓ 10.3	x		x	xx		xx	x					
7	7	215	5	✓ 5.7	x	x					x					
8	8	216	5	✓ 5.7			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 TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 109 m
Transmisso Cleaned: Y / (N)

Time UTC Local
Start 1022 0322
Bottom 1025 0325
End 1036 0336

Positional Information
Lat: 48 ° 48.670 N
Lon: 125 ° 30.990 W

Bottom
Lat: 48 ° 48.670 N
Lon: 125 ° 31.010 W

End
Lat: 48 ° 48.690 N
Lon: 125 ° 31.000 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LC01

Event #:

66

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 22 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples		Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4				
1	1	217	Bot-10	✓ 85.7	x	x							
2	2	218	75	✓ 75.4	x	xx							
3	3	219	50	✓ 50.7	xx	x	x						
4	4	220	30	✓ 29.9	x	x	xx						
5	5	221	20	✓ 20.4	x	x	x		xx				
6	6	222	10	✓ 10.1	x	x	xx		xx				
7	7	223	5	✓ 5.5	x	x	x	xx	xx				
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): AF

Bottom Depth: 95 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1112	0412
Bottom	1114	0414
End	1125	0425

Positional Information

Start
Lat: 48 ° 50.470 N
Lon: 125 ° 27.740 W

Bottom
Lat: 48 ° 50.460 N
Lon: 125 ° 27.740 W

End
Lat: 48 ° 50.430 N
Lon: 125 ° 27.743 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LD01

Event #:

68

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 22 | May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Core_Samples			Save sheet after printing labels:	YES
1	1	224	Bot-10	✓ 26.2	X	X	X							
2	2	225	20	✓ 19.8	X	X	XX		XX					
3	3	226	10	✓ 9.9	XX	X	XX		XX					
4	4	227	5	✓ 4.7	X	XX	X	XX	XX					
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): N2

Bottom Depth: 35 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1325	625
Bottom	1327	0627
End	1332	0632

Positional Information
Start
Lat: 49 ° 0.144 N
Lon: 125 ° 43.806 W

Bottom
Lat: 49 ° 0.140 N
Lon: 125 ° 43.800 W

End
Lat: 49 ° 0.130 N
Lon: 125 ° 43.790 W

Extra comments:

All Stns

Sampling Log

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

UTC Date (dd mmm yyyy): 22 May 2022

Cruise ID:

2021-005

Station:

LD02

Event #:

71

Ship:

JP Tully

Comments

Save sheet after printing labels:

Profile type:
ROS TRM
Watchkeeper

X-Niskin other?

Watchkeeper(s): RF

五

Bottom Depth: 44 m

Transmisso Cleaned:

YIN

Time	UTC	Local
------	-----	-------

Start	1441	0741
-------	------	------

1441	012
------	-----

End	1949	0179
-----	------	------

1949	017
------	-----

0199

Positional Information

Lat: 48° 58.300 N

at: 48 o 58,500

 $\mathbf{z}$

Lat:	10 30 20
Lon:	125 0 47.200 W

Lon: 125.41.200

W

Bottom	
Lat:	48 ° 58.300 N
Lon:	125 ° 47.200 W

Lon: 125 ° 41.200

W

Lat:	48 ° 58.300	N
Lon:	125 ° 47.200	W

Lon: 125.41200

W

Extra comments:

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

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LD04

Event #:

76

Ship:

JP Tully

UTC Date (dd/mm/yyyy):

May 22 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4		Core_Samples		Save sheet after printing labels:	YES
1	1	233	Bot-10	✓ 55.8	xx	x	x							
2	2	234	30	✓ 30.2	x	xx	x							
3	3	235	20	✓ 19.7	x	x	x		xx					
4	4	236	10	✓ 10.8	x	x	xx		xx					
5	5	237	5	✓ 5.1	x	x	x	xx	xx					
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: 64 m
Transmisso Cleaned: (Y) / N

Time		UTC	Local
Start		1652	0952
Bottom		1654	0954
End		1701	1601

Positional Information

Lat: 48 ° 53.190 N
Lon: 125 ° 57.090 W

Lat: 48 ° 53.200 N
Lon: 125 ° 57.090 W

Lat: 48 ° 53.190 N
Lon: 125 ° 57.120 W

Extra comments:

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LD06

Event #:

81

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 22 | MAY 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	Core_Samples		Save sheet after printing labels:	YES
1		238	Bot-10	✓ 133	X		X							
2		239	100	✓ 100	X		XX							
3		240	75	✓ 75	X		X							
4		241	50	✓ 50	X		X	X						
5		242	30	✓ 30	X		X	X						
6		243	20	✓ 20	X		X	XX		XX				
7		244	10	✓ 10	X		X	X		XX				
8		245	5		XX	X	X	X	XX	XX				
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Version: 4MAR2021

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

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: 142 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1920	1220
Bottom	1923	1223
End		

Positional Information

Start

Lat: 48 ° 46.170 N

Lon: 126 ° 10.770 W

Bottom

Lat: 48 ° 46.180 N

Lon: 126 ° 10.830 W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LD08

Event #:

94

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 22 | May 2021

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Comments

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): GJN/MK

Niskin #	Firing #	Sample #	Bot-10	Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	DA	Core Samples	Save sheet after printing labels: YES
1		246	✓	764	✓	X		X	X							
2		247	✓	750	✓	X	X	XX	XX							
3		248	✓	500	✓	XX	X	X	X							
4		249	✓	400	✓	X		X	X							
5		250	✓	300	✓	X		X								
6		251	✓	250	✓	X		X								
7		252	✓	200	✓	X		X								
8		253	✓	175	✓	X		X								
9		254	✓	150	✓	X		X								
10		255	✓	125	✓	X		X								
11		256	✓	100	✓	X		X								
12		257	✓	75	✓	X		XX								
13		258	✓	50	✓	X		X		X						
14		259	✓	30	✓	XX		X		XX						
15		260	✓	20	✓	X		X		X		XX				
16		261	✓	10	✓	X		X		X		XX				
17		262	✓	5	✓	X		X		X	XX	XX	X	X		
18																
19																
20																
21																
22																
23																
24																

Bottom Depth: 764 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start	0200	1500
Bottom	0214	1514
End		

Positional Information

Start

Lat: 46 ° 39 00 N

Lon: 126 ° 23.310 W

Bottom

Lat: 46 ° 36.143 N

Lon: 126 ° 23.354 W

End

Lat: ° N

Lon: ° W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-005

Station: LD11

Event #: 93

Ship: JP Tully

UTC Date (dd|mm|yyyy): 25 May 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	OOB				

1		263	50	✓ 50	X														
2		264	30	✓ 30	X														
3		265	20	✓ 20	X														
4		266	10	✓ 10	X														
5		267	5	✓ 5	X														
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):	B			

Bottom Depth:	168	m
Transmisso Cleaned:	Y / N	

Time	UTC	Local
Start	0525	2225
Bottom	0524	2227
End	0534	2234

Positional Information

Lat:	48 ° 28.790 N
Lon:	126 ° 43.790 W

Bottom

Lat:	48 ° 28.784 N
Lon:	126 ° 43.904 W

End

Lat:	48 ° 28.782 N
Lon:	126 ° 44.011 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

LD11

Event #:

94

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

23 May 2021

Niskin # Firing # Sample #

Rosette Operation
Target Pressure
Confirmed Pressure

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

Sample Lists: Core Samples

Comments
Save sheet after printing labels: YES

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

Bottom Depth: 1884 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0549 2247
Bottom 0622 2322
End 0710 0010

Positional Information

Start
Lat: 48 ° 28.630 N
Lon: 126 ° 44.150 W

Bottom
Lat: 48 ° 28.46 N
Lon: 126 ° 44.450 W

End
Lat: 48 ° 28.490 N
Lon: 126 ° 44.670 W

Extra comments:

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

UTC Date (dd mmm yyyy): May 23 2021

TRM	X-Niskin	other?
-----	----------	--------

RF

Transmisso Cleaned:

Y/N

Local

0126

0800

08 29

Posi

274
N

W

—

217 N

WCS

111

300

100

Ext

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

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LG06

Event #:

104

Ship: JP Tully

UTC Date (dd|mm|yyyy): 25 | May | 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	HPLC	NH4	Lugol's	Glut	Form	DA		Save sheet after printing labels: YES
1		302	Bot-10	✓ 614	x		x	x									
2		303	750		x	x	xx	xx									
3		304	500	✓ 500	xx	X	x	x									
4		305	400	✓ 400	x		x	x									
5		306	300	✓ 300	x		x										
6		307	250	✓ 250	x		x										
7		308	200	✓ 200	x		x										
8		309	175	✓ 175	x		x										
9		310	150	✓ 150	x		xx										
10		311	125	✓ 125	x		x										
11		312	100	✓ 100	x		x										
12		313	75	✓ 75	x		x										
13		314	50	✓ 50	x		x		x								
14		315	30	✓ 30	xx		x		xx								
15		316	20	✓ 20	x		x		x								
16		317	10	✓ 10	x		x		x								
17		318	5	✓ 5	x	x											
18		319	5	✓ 5			X		x	xx	xx	x	x	x	x		
19																	
20																	
21																	
22																	
23																	
24																	

303B
Nut-F
LG06
2021-005
750 m
bot 2

303A
Nut-C
LG06
2021-005
750 m
bot 2

303A
Nut-F
LG06
2021-005
750 m
bot 2

303
OXY
LG06
2021-005
750 m
bot 2

SPRINT SAMPLES
→ THEN EXPECTED

Bottom Depth: 600 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	2119	1419
Bottom	2130	1430
End	2158	1458

Positional Information

Lat: 49 ° 03.505 N
Lon: 126 ° 57.990 W

Bottom

Lat: 49 ° 03.515 N
Lon: 126 ° 57.900 W

End

Lat: 49 ° 03.510 N
Lon: 126 ° 57.940 W

Extra comments:

All_Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LG04

Event #:

106

Ship:

JP Tully

UTC Date (dd mmm yyyy): 23 05

2021

Profile type:

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

Bottom Depth: 145 m

Transmisso Cleaned: (Y) / N

Transmisso Cleaned:

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	23:42
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Bottom	23:45	
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End	23:5
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Positional Information

Lat: 49° 11.23'

Lon: 126 ° 49.97

Lat:	49 ° 11.21	N
Lon:	126 ° 49.45	W

Lon: 126 ° 49, 43

Lat: 49 ° 11.18 N
Lon: 126 ° 49.61 W

Lon: 126° 49.61

Extra comments:

excellente!

[illegible]

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LG01

Event #:

114

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 24 | 05 | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4		Core_Samples		Save sheet after printing labels:	YES
1	1	342	Bot-10	✓ 44.5	x	x	x							
2	2	343	30	✓ 29.9	xx	x	x							
3	3	344	20	✓ 20.2	x	xx	xx		xx					
4	4	345	10	✓ 10.75	x	x	x		xx					
5	5	346	5	✓ 5.6	x	x	x	xx	xx					
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): JN

Bottom Depth: 52 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 0414
Bottom 0415
End 0422

Positional Information
Start
Lat: 49 ° 20.56 N
Lon: 126 ° 35.00 W

Bottom
Lat: 49 ° 20.57 N
Lon: 126 ° 35.02 W

End
Lat: 49 ° 20.62 N
Lon: 126 ° 35.02 W

Extra comments:

All_Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LJ02

Event #:

Ship: JP Tully

UTC Date (dd|mmm|yy): May 24 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	DA						
1	1	347	5	✓ Sil	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														

Version: 4MAR2021

Transmissometer to be cleaned before each use.

Save sheet after printing labels: YES

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

Bottom Depth: 83 m

Transmisso Cleaned: (X) / N

Time	UTC	Local
Start	0830	0130
Bottom	0832	0132
End	0835	0135

Positional Information	
Lat:	44 ° 42.640 N
Lon:	127 ° 5.280 W

Bottom

Lat:	49 ° 42.640 N
Lon:	127 ° 5.290 W

Lat:	44 ° 42.650	N
Lon:	127 ° 5.290	W

Extra comments:

Water Properties Group

Program
STN List: All_Sims

Sampling Log

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

Cruise ID: 2021-005 Station: LU04 Event #: Ship: JP Tully UTC Date (dd|mm|yyyy): 24 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPIC	DA					
1	1	348	5	✓ S.3	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													

Save sheet after printing labels:
YES

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): R1=

Bottom Depth: 157 m
Transmisso Cleaned: R1 N

Time	UTC	Local
Start	1057	0357
Bottom	1100	0400
End	1105	0405

Positional Information

Start

Lat: 49 ° 35, 220 N
Lon: 127 ° 16, 356 W

Bottom

Lat: 49 ° 35, 210 N
Lon: 127 ° 16, 340 W

End

Lat: 49 ° 35, 220 N
Lon: 127 ° 16, 320 W

Extra comments:

All_Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LJ06

Event #:

125

Ship:

JP Tully

UTC Date (dd mmm yyyy)

24 MAY 2021

Profile type:

ROS	TRM	X-Niskin	other?
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Watchkeeper(s): N2

Watchkeepers

Bottom Depth: 1030 m
Transmisso Cleaned: Y / N

Transmisso Cleaned:

Y / N

Time	UTC	Local
------	-----	-------

Start	1317	0617
-------	------	------

Bottom	1335	0635
--------	------	------

End	1354	0654
-----	------	------

Positional Information

Lat: 49° 27.810

Lon: 127 ° 28.630 W

2000

Lat: 49° 27.850

Lon: 127 ° 28.610

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△

○

●

▲

Lat: 49° 21.8'

Lon: 27 ° 28,510

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LJ08

Event #:

128

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 24 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC		Core_Samples				
1		350x	5	✓	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/A/2

Bottom Depth: 1740 m

Transmisso Cleaned: 01 N

Time	UTC	Local
Start	1656	0956
Bottom	1728	1028
End	1755	1055

Positional Information

Lat: 49 ° 20.110 N

Lon: 127 ° 41.080 W

Bottom

Lat: 49 ° 20.110 N

Lon: 127 ° 40.97 W

End

Lat: 49 ° 20.150 N

Lon: 127 ° 40.860 W

Extra comments:

All_Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LBP8

Event #: _____

133

Ship:

JP Tully

UTC Date (dd mmm yyyy): 25 05 2021.

Profile type:

[illegible]

Watchkeeper(s): JN

Bottom Depth: 2087.9 m

Transmisso Cleaned:

Time	UTC	Local
------	-----	-------

Start	04/23
-------	-------

Bottom	0459
--------	------

End	0539
-----	------

Positional Information

Lat: 49 ° 48 62 N

Lon: 128 ° 16 71 W

Lat: 48 62 N

Lon: 16.72 W

Lat: 48 62 ° N

Lon: 16,72 W

Extra comments:

[illegible]

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

LBP7

Event #:

140

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 25 May 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	NH4	Lugol's	Glut	Form	DA				
1	1	362	2000	✓ 2000.5	x	xx	x	x											
2	2	363	1500	✓ 1499.1	xx	xx	x	x											
3	3	364	1250	✓ 1250.7	x	xx	x	x											
4	4	365	1000	✓ 1000.3	x	x	xx	xx											
5	5	366	750	✓ 749.7	x	x	x	x											
6	6	367	500	✓ 499.8	x	x	x	x											
7	7	368	400	✓ 400.5	x	x	x	x											
8	8	369	300	✓ 299.2	x	x	x												
9	9	370	250	✓ 250.3	x	x	x												
10	10	371	200	✓ 200.5	xx	x	x												
11	11	372	175	✓ 175.4	x	x	x												
12	12	373	150	✓ 151.0	x	x	x												
13	13	374	125	✓ 124.7	x	x	x												
14	14	375	100	✓ 100.3	x	x	x												
15	15	376	75	✓ 74.9	x	x	xx												
16	16	377	50	✓ 50.0	x	x	x		x										
17	17	378	30	✓ 29.7	x	x	x		x										
18	18	379	20	✓ 20.1	xx	x	x		xx		xx								
19	19	380	10	✓ 10.2	x	x	x		x		xx								
20	20	381	5	✓ 5.0	x	x													
21	21	382	5	✓ 4.7			x		x	xx	xx	x	x	x	x				
22																			
23																			
24																			

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): AF

Bottom Depth: 2182 m

Transmisso Cleaned: 01 N

Time		UTC	Local
Start		0922	0222
Bottom		0959	0254
End		1052	0352

Positional Information

Start
Lat: 49 ° 52.334 N
Lon: 128 ° 11.250 W

Bottom
Lat: 49 ° 52.334 N
Lon: 128 ° 11.267 W

End
Lat: 49 ° 52.334 N
Lon: 128 ° 11.256 W

Extra comments:

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

UTC Date (dd mmm yyyy): 25 May 2021

ROS	TRM	X-Niskin	other?
Watchkeeper(s): <i>RF</i>			

Bottom Depth: 1287 m

Transmissio Cleaned: (Y) / N

Transmisso Cleaned:

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	1339	0639
-------	------	------

Bottom	1401	0701
--------	------	------

End	1739	6739
-----	------	------

Lat: 49° 59.940' N

Lon: 128° 0.150 W

100

Lat: 49 ° 59.938 N

Lon: 128 ° 0.170 W

Lat: 49° 59.870 N

Lon: 128.0 6.150 W

Extra comments:

UTC Date (dd mmm yyyy): 25 May 2021

ROS	TRM	X-Niskin	other?
Watchkeeper(s): <i>RF</i>			

Bottom Depth: 1287 m

Transmissio Cleaned: (Y) / N

Transmisso Cleaned:

<i>Time</i>	<i>UTC</i>	<i>Local</i>
-------------	------------	--------------

Start	1339	0639
-------	------	------

Bottom	1401	0701
--------	------	------

End	1739	6739
-----	------	------

Lat: 49° 59.940' N

Lon: 128° 0.150 W

100

Lat: 49 ° 59.938 N

Lon: 128 ° 0.170 W

Lat: 49° 59.870 N

Lon: 128.0 6.150 W

Extra comments:

Profile type: ROS ☐ TRM ☐ X-Niskin ☐ other? ☐			
Matchkeeper(s): <u>RF</u>			
Bottom Depth: <u>1287</u> m		Transmisso Cleaned: <u>01</u> N	
Time		UTC	Local
Start		<u>1339</u>	<u>0639</u>
Bottom		<u>1401</u>	<u>0701</u>
End		<u>1439</u>	<u>0739</u>
Positional Information			
Lat: <u>49</u> ° <u>59.940</u>	<u>N</u>		
Lon: <u>128</u> ° <u>0.150</u>	<u>W</u>		
Bottom			
Lat: <u>49</u> ° <u>59.930</u>	<u>N</u>		
Lon: <u>128</u> ° <u>0.170</u>	<u>W</u>		
Start			
Lat: <u>49</u> ° <u>59.870</u>	<u>N</u>		
Lon: <u>128</u> ° <u>0.150</u>	<u>W</u>		
Extra comments: 			

Water Properties Group

Program
STN List:

Sampling Log

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

Cruise ID: 2021-005 Station: CS02 Event #: 166 Ship: JP Tully UTC Date (dd|mm|yyyy): 09 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	OOB								Save sheet after printing labels: YES
1		461	50	✓ 50	x								
2		462	30	✓ 30	x								
3		463	20	✓ 20	x								
4		464	10	✓ 10	x								
5		465	5	✓ 5	x								
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):

Bottom Depth: 1902 m
Transmisso Cleaned: Y/N

Time UTC Local
Start 0637 2337
Bottom 0639 2339
End 0648 2348

Positional Information
Start Lat: 5. 41. 523 N
Lon: 137. 27. 610 W

Bottom Lat: 5. 41. 587 N
Lon: 137. 28. 026 W

End Lat: 5. 41. 707 N
Lon: 129. 28. 120 W

Extra comments:

Water Properties Group

Program STN List:

Sampling Log

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

Cruise ID:

2021-005

Station:

CS02

Event #:

167

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 27 May 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	HPLC	NH4	pCO2	Chito	FA	PHOS	Phyto	TEP	Save sheet after printing labels:							YES
1	1	440	Bot-10	✓	1888.7	X		X	X																
2	2	441	1500	✓	1499.3	X		XX	X			xxx													
3	3	442	1250	✓	1299.7	X		X	XX																
4	4	443	1000	✓	997.9	X	X	X	X			X													
5	5	444	750	✓	750.3	XX	X	X	X			X													
6		445	500	✓		X	XX	X	X			X													
7		446	400	✓		X		X																	
8		447	300	✓		X		X				X													
9		448	250	✓		X		X					X												
10		449	200	✓		X		XX				X													
11		450	175	✓		X		X																	
12		451	150	✓		X		X					X												
13		452	125	✓		XX		X																	
14		453	100	✓		X		X				X													
15		454	75	✓		X		X				X													
16		455	50	✓		X		X				X													
17		456	30	✓		X		X				X													
18		457	20	✓		XX		X				XX													
19		458	10	✓		X		X				XX													
20		459	5	✓		X		X				X													
21		460	5	✓								XX													
22														X	X	X	X								
23																									
24																									

Version: 4MMAR2021

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

Profile type: ROSE TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 1894 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0704 0004

Bottom 0743 0043

End 0839 0139

Positional Information

Start Lat: 50 ° 41.818 N Lon: 129 ° 27.958 W

Bottom Lat: 50 ° 42.190 N Lon: 129 ° 28.236 W

End Lat: 50 ° 42.460 N Lon: 129 ° 27.894 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

CS04

Event #:

173

Ship:

JP Tully

UTC Date (dd|mm|yyyy): May 1 27 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	pCO2						Save sheet after printing labels: YES
1	1	466	Bot-5	✓ 88.9	X					X						
2	2	467	Bot-10	✓ 83.6	X	X										
3	3	468	75	✓ 74.3	X	X				X						
4	4	469	50	✓ 50.9	X	X	X			X						
5	5	470	30	✓ 30.7	XX	X	XX			X						
6	6	471	20	✓ 20.9	X	X	X		XX	X						
7	7	472	10	✓ 10.6	X	X	X		XX	X						
8	8	473	5	✓ 5.1	X	XX	X	XX	XX							
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: 93 m
Transmisso Cleaned: N / N

Time	UTC	Local
Start	1351	0651
Bottom	1353	0653
End	1404	0704

Positional Information

Start	Lat: 50 ° 49.240 N Lon: 129 ° 13.050 W
Bottom	Lat: 50 ° 49.270 N Lon: 129 ° 13.070 W
End	Lat: 50 ° 49.360 N Lon: 129 ° 13.220 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

CS08

Event #:

189

Ship:

JP Tully

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

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core_Samples		Comments
			Target Pressure	Confirmed Pressure	PC02				
1	1	491	Bot-5	✓ 142.0	X x Y				
2	2	492	100	✓ 100.6	X				
3	3	493	75	✓ 74.5	X				
4	4	494	50	✓ 44.4	X				
5	5	495	30	✓ 30.3	X				
6	6	496	20	✓ 19.6	X				
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: 146 m

Transmisso Cleaned: Y / N

Time UTC PDT Local

Start 0925 0225

Bottom 0928 0228

End 0938 0238

Positional Information

Start

Lat: 51 ° 08.490 N

Lon: 128 ° 35.970 W

Bottom

Lat: 51 ° 08.490 N

Lon: 128 ° 35.990 W

End

Lat: 51 ° 08.420 N

Lon: 128 ° 35.960 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

CS06

Event #:

184

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

04 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:		Core Samples		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	Lugo's	DA	PCO2						Save sheet after printing labels:	YES
1		483	Bot-5	✓ 51.5	X								xxx							
2		484	Bot-10	✓ 51.5	X		xx													
3		485	50	✓ 50	xx		X	X					X							
4		486	30	✓ 30	X		X	X					X							
5		487	20	✓ 20	X		X	xx		xx			X							
6		488	10	✓ 10	X		X	X		xx			X							
7		489	5	✓ 5	X	X														
8		490	5	✓ 5			X		X	xx	X	X								
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):

Bottom Depth: 68 m
Transmisso Cleaned: 0 / N

Time	UTC	Local
Start	0641	2341
Bottom	0643	2343
End	0651	2351

Positional Information
Lat: 50 ° 59.710 N
Lon: 128 ° 51.290 W

Bottom
Lat: 50 ° 59.717 N
Lon: 128 ° 51.268 W

End
Lat: 50 ° 59.690 N
Lon: 128 ° 51.69 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

CS09

Event #:

192

Ship:

JP Tully

UTC Date (dd mmm yyyy): 28 May 2021

Niskin #

Rosette Operation
Target Pressure

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

Sample Lists: Core Samples
PCO2 Chito OOB

Comments
Save sheet after printing labels: YES

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

Bottom Depth: 197 m
Transmisso Cleaned: 0 / N

Time	UTC	Local
Start	1114	0414
Bottom	1118	0418
End	1134	0434

Positional Information
Lat: 51 ° 12.480 N
Lon: 128 ° 28.130 W

Bottom
Lat: 51 ° 12.450 N
Lon: 128 ° 28.160 W

End
Lat: 51 ° 12.440 N
Lon: 128 ° 28.180 W

Extra comments:

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	PCO2	Chito	OOB	Comments
1	1	497	Bot-5	✓ 191.3	X					X			
2	2	498	Bot-10	✓ 186.9	X	X							
3	3	499	175	✓ 174.9	X	X							
4	4	500	150	✓ 150.2	X	X				X	X		
5	5	501	125	✓ 124.4	X	XX							
6	6	502	100	✓ 100.5	X	X				X	X		
7	7	503	75	✓ 74.4	X	X				X			
8	8	504	50	✓ 50.3	XX	X	X				X		
9	9	505	50	✓ 11								X	
10	10	506	30	✓ 30.2	X	X	XX			X			
11	11	507	30	✓ 30.3							X		
12	12	508	20	✓ 14.9	X	X	X		XX	X	X		
13	13	509	20	✓ 11								X	
14	14	510	10	✓ 10.2	X	X	X		XX	X	X		
15	15	511	10	✓ 10.3								X	
16	16	512	5	✓ 5.5	X	X	X	XX	XX		X		
17	17	513	5	✓ 5.4								X	
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:

2021-005

Station:

CS10

Event #:

194

Ship:

JP Tully

UTC Date (dd mmm/yyyy):

May 28 2020

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	PCO2		Core Samples		Save sheet after printing labels:	YES
1	1	514	75	75.2	x					
2	2	515	50	51.5	x					
3	3	516	30	28.7	x					
4	4	517	20	20.0	x					
5	5	518	10	9.5	x					
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: 82 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1250	0550
Bottom	1252	0552
End	1300	0600

Positional Information
Lat: 51 ° 16.630 N
Lon: 128 ° 20.440 W

Bottom
Lat: 51 ° 16.620 N
Lon: 128 ° 20.430 W

End
Lat: 51 ° 16.580 N
Lon: 128 ° 20.450 W

Extra comments:

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

UTC Date (dd mmm yyyy): 28 May 2021

Watchkeeper(s): N/C

Transmisso Cleaned: Y / N

Start	1458	0758
-------	------	------

Bottom	1504	0808
--------	------	------

End	1509	0809
-----	------	------

Lat: 51° 28.110' N

Lon: 178 ° 30, 470 W

Lat: 51° 48' 30" N

Lon: 128 ° 30,330 W

20

Lat: 21° 28.11' N

Lon: 120 20.780

Extra comments:

Extra comments:

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

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

CPE1

Event #:

199

Ship:

JP Tully

UTC Date (dd mmm/yyyy): 28 05 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	PCO2				Core Samples		Save sheet after printing labels:	
1	✓ 2	520	Bot-5	✓ 149	xxx							
2	✓ 3	521	100	✓ 99	x							
3	✓ 4	522	75	✓ 75.4	x							
4	✓ 5	523	50	✓ 50.2	x							
5	✓ 6	524	30	✓ 30.3	x							
6	✓ 7	525	20	✓ 20	x							
7	✓ 8	526	10	✓ 10.6	x							
8	✓ 9	527	6.5	✓ 5.7	x							
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): JN

Bottom Depth: 155 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1942	1242
Bottom	1945	1245
End	1959	1259

Positional Information

Start

Lat: 50 ° 59.870 N

Lon: 127 ° 49.810 W

Bottom

Lat: 50 ° 59.820 N

Lon: 127 ° 49.760 W

End

Lat: 50 ° 59.82 N

Lon: 127 ° 49.582 W

Extra comments:

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

JS01

Event #:

202

Ship:

JP Tully

UTC Date (dd mmm/yyyy): 24 May 2021

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): A

Save sheet after printing labels:

YES

Rosette Operation		Confirmed		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
Niskin #	Firing #	Sample #	Target Pressure	Pressure	OXY	Sal	Nut-F	CHL	HPLC	DIC	Core Samples		

1		528	Bot-10	✓	358	X		X		X			
2		529	200	✓	200	X		X		X			
3		530	150	✓	150	X		X		XX			
4		531	100	✓	100	XX		X		X			
5		532	75	✓	14.9	X		X		X			
6		533	50	✓	50	XX		X		X			
7		534	30	✓	30	X		X		X			
8		535	20	✓	20	X		XX		X			
9		536	10	✓	10	XX		X		X			
10		537	5	✓	5	X	X	X		XX			
11		538	0	✓	3.5	X		X	XX	X			
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Bottom Depth: 368 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0144	1844
Bottom	0151	1851
End	0210	1910

Positional Information

Lat: 50 ° 30.428 N

Lon: 126 ° 28.132 W

Bottom

Lat: 50 ° 30.416 N

Lon: 126 ° 28.134 W

End

Lat: 50 ° 30.303 N

Lon: 126 ° 28.068 W

Extra comments:

All_Stns

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

Cruise ID:

2021-005

Station:

16

Event #: _____

204

Ship:

JP Tully

UTC Date (dd mmm yyyy): 14 July 2008

Profile type:

ROS	TRM	X-Niskin	other?

Watchkeeper(s): RF

Save sheet after printing labels: YES

YES

Bottom Depth: 154 m
Transmissio Cleaned: (Y) / N

Transmisso Cleaned: Y / N

Time	UTC	Local
------	-----	-------

Start	1127	0927
-------	------	------

Bottom	1150	0930
--------	------	------

End	138	0938
-----	-----	------

Lat: 49° 51.710

Lon: 125° 8.720

Lat: 49° 51.780

Lon: 125 ° 8, 110

—

Lat: 49° 51.190

Extra comments:

100

14

1000

[illegible]

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

12

Event #:

211

Ship:

JP Tully

UTC Date (dd mmm/yyyy): May 29 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPIC	Lugols	DA	Core Samples	
1	1	547	Bot-10	✓ 344.9	x	x						
2	2	548	200	✓ 200.1	x	x						
3	3	549	100	✓ 100.1	x	x						
4	4	550	75	✓ 75.0	x	xx						
5	5	551	50	✓ 49.8	x	x						
6	6	552	40	✓ 40.1	xx	x						
7	7	553	30	✓ 30.0	x	x	x					
8	8	554	20	✓ 19.9	x	x	x					
9	9	555	10	✓ 9.8	x	x	x	xx	x			
10	10	556	5	✓ 4.8	x	x	xx					
11	11	557	0	✓ 2.5	x	x	x	xx	x			
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type: [ROS] TRM X-Niskin other?
Watchkeeper(s): AP

Bottom Depth: 354 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1646	0946
Bottom	1653	0953
End	1712	1012

Positional Information
Lat: 49 ° 43.586 N
Lon: 124 40.960 W

Bottom
Lat: 49 ° 43.586 N
Lon: 124 ° 40.930 W

End
Lat: 49 ° 43.550 N
Lon: 124 ° 40.940 W

Extra comments:

Water Properties Group

Program
STN List: All_Sms

Sampling Log

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

Cruise ID: 2021-005 Station: 22 Event #: 216 Ship: JP Tully UTC Date (dd mmm/yyyy): 29 05 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Lugo's		Core_Samples		
1	1	558	20	✓ 20	x	x						
2	2	559	10	✓ 9.8	x	x						
3	3	560	5	✓ 4.9	x	x						
4	4	561	0	✓ 2.4	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): JN

Bottom Depth: 349 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2135	
Bottom	2142	
End	2154	

Positional Information

Start

Lat: 49 ° 40.18 N

Lon: 124 ° 16.37 W

Bottom

Lat: 49 ° 40.18 N

Lon: 124 ° 16.37 W

End

Lat: 49 ° 40.18 N

Lon: 124 ° 16.40 W

Extra comments:

All Stns

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

60

220

Ship: JP Tully

UTC Date (dd mmm yyyy): 30 05 2022

Extra comments:

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

6

Event #:

223

Ship:

JP Tully

UTC Date (dd mmm yyyy): 30 05 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): JN

Bottom Depth: 194 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0507 2207

Bottom 0515 2215

End 0524 2224

Positional Information

Lat: 49 ° 30.787 N

Lon: 124 ° 27.95 W

Lat: 49 ° 30.922 N

Lon: 124 ° 28.123 W

Bottom

Lat: 49 ° 30.970 N

Lon: 124 ° 28.061 W

End

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

2

Event #:

226

Ship:

JP Tully

UTC Date (dd mmm yyyy): 30 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Lugol's	Core_Samples				
1	1	574	20	✓ 20.1	x	x							
2	2	575	10	✓ 10.2	x	x							
3	3	576	5	✓ 5.1	x	xx							
4	4	577	0	✓ 2.5	xx	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): JS

Bottom Depth: 279 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	09:10	02:10
Bottom	09:16	02:16
End	09:37	03:07

Positional Information

Start

Lat: 49 ° 24.130 N

Lon: 124 ° 09.260 W

Bottom

Lat: 49 ° 24.130 N

Lon: 124 ° 09.260 W

End

Lat: 49 ° 24.140 N

Lon: 124 ° 09.270 W

Extra comments:

All Stns

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

Cruise ID:

2021-005

Station:

27

Event #:

252

Ship:

JP Tully

UTC Date (dd mmm yyyy): 30 May 2021

Profile type:

	ROS	TRM	X-Niskin	other?
1				
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97				
98				
99				
100				

Watchkeeper(s): JS

Bottom Depth: 349 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	12:13	05:13
Bottom	12:20	05:20
End	12:40	05:40

Positional Information

Lat: 49 ° 19.170
Lon: 123 ° 47.990

Bottom

Lat:	49	°	19.160
Lon:	123	°	47.940

Lat:	°
Lon:	°

Extra comments:

Extra comments:
Went to 5-off bot and
back to 10-off bot.
30 recorded @ 10-off bot.
Went 30s @ 100m instead
of 1min.

[illegible]

Water Properties Group

Program
STN List:

All Sins

Sampling Log

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

Cruise ID:

2021-005

Station:

GEO1

Event #:

233

Ship:

JP Tully

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

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Core_Samples	Save sheet after printing labels:	
1	1	589	20	✓ 20.1	x	xx				
2	2	590	10	✓ 10.1	x	x				
3	3	591	5	✓ 5.1	x	x				
4	4	592	0	✓ 2.4	xx	x	xx			
5										
6										
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24										

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

Bottom Depth: 404 m Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1325	0625
Bottom	1332	0632
End	1343	0643

Positional Information
Start
Lat: 49 ° 15.010 N
Lon: 123 ° 45.230 W

Bottom
Lat: 49 ° 15.010 N
Lon: 123 ° 45.200 W

End
Lat: 49 ° 15.010 N
Lon: 123 ° 45.150 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

39

Event #:

237

Ship:

JP Tully

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

Rosette Operation

Target Pressure
Confirmed Pressure

Sampler's Initials / Samples Taken

Nut-F CHL HPLC

Sample Lists: Core_Samples

Comments

Save sheet after printing labels:

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

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Core_Samples	Comments
1	1	593	20	19.9	x	x			
2	2	594	10	10.0	x	x			
3	3	595	5	5.2	x	x			
4	4	596	0	2.5	x	x	xx		
5									
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24									

Bottom Depth: 380 m
Transmisso Cleaned: 101 N

Time UTC Local
Start 1658 0958
Bottom 1705 1005
End 1717 1017

Positional Information
Lat: 49 ° 9.780 N
Lon: 123 ° 33.130 W

Bottom
Lat: 49 ° 9.767 N
Lon: 123 ° 33.136 W

End
Lat: 49 ° 9.762 N
Lon: 123 ° 33.169 W

Extra comments:

Water Properties Group

Program STN List:

All Shs

Sampling Log

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

Cruise ID:

2021-005

Station:

42

Event #:

238

Ship:

JP Tully

UTC Date (dd mmm yyyy): 30 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	Lugol's	Core_Samples					

1	1	597	Bot-10	✓	312.8	X	X												
2	2	598	200	✓		X	X												
3	3	599	100	✓		X	X												
4	4	600	75	✓		X	XX												
5	5	601	50	✓		X	X												
6	6	602	40	✓		XX	X												
7	7	603	30	✓		X	X	X											
8	8	604	20	✓		X	X	X											
9	9	605	10	✓		X	X	X											
10	10	606	5	✓		X	X	XX											
11	11	607	0	✓		X	X	X	XX	X									
12																			
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24																			

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): JS

Bottom Depth: 320 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	18:25	11:25
Bottom	14:30	11:30
End	16:49	11:49

Positional Information

Lat: 49 ° 01.741 N

Lon: 123 ° 26.209 W

Bottom

Lat: 49 ° 01.702 N

Lon: 123 ° 26.255 W

End

Lat: 49 ° 01.598 N

Lon: 123 ° 26.294 W

Extra comments:

Water Properties Group

Program STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-005

Station:

46

Event #:

241

Ship:

JP Tully

UTC Date (dd mmm/yyyy): 30 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC		Core Samples		Save sheet after printing labels:	YES
1		608	20	✓ 20	x	x						
2		609	10	✓ 10	x	x						
3		610	5	✓ 5	x	x						
4		611	0	✓ 2.0	x	x	xx					
5												
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24												

Profile type: ROS TRM X-Niskin other?
Matchkeeper(s): 6

Bottom Depth: 174 m
Transmisso Cleaned: (Y) N

Time		UTC	Local
Start		2132	1432
Bottom		2135	1435
End		2143	1443

Positional Information

Start
Lat: 48 ° 51.390 N
Lon: 123 ° 10.700 W

Bottom
Lat: 48 ° 51.380 N
Lon: 123 ° 10.670 W

End
Lat: 48 ° 51.340 N
Lon: 123 ° 10.660 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Cruise ID:

2021-005

Station:

56

Event #:

244

Ship:

JP Tully

Sampling Log

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

UTC Date (dd mmm/yyyy): 2 May 2021

Rosette Operation
Target Pressure

Confirmed Pressure

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

U

Bottom Depth: 226 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0349	1649
Bottom	2350	1650
End	2359	1659

Positional Information

Start
Lat: 48 ° 46.294 N
Lon: 123 ° 01.570 W

Bottom
Lat: 48 ° 46.350 N
Lon: 123 ° 01.542 W

End
Lat: 48 ° 46.490 N
Lon: 123 ° 01.316 W

Extra comments:

Version: 4MAR2021

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