

Cruise ID: 2021-020

Station: SI

Event #: 1

Ship: Vector

UTC Date (dd mmm/yyyy): 05 APR 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		1	100	✓ 166	x	x												
2		2	75	✓ 75	x	xx												
3		3	50	✓ 50	xx	x												
4		4	40	✓ 40	x	xx												
5		5	30	✓ 30	x	x												
6		6	20	✓ 20	x	x		x										
7		7	10	✓ 10	x	x		x										
8		8	5	✓ 5	xx	x		x										
9		9	0	✓ 0	x	x		xx	xx									FL: 27.0
10																		
11																		
12																		FL:
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 185 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0154	1854
Bottom	0157	
End	0213	

Positional Information

Start

Lat: 48 ° 39 . 084 N

Lon: 123 ° 30 . 556 W

Bottom

Lat: 48 ° 39 . 085 N

Lon: 123 ° 30 . 552 W

End

Lat: 48 ° 39 . 094 N

Lon: 123 ° 30 . 600 W

Extra comments:

Cruise ID: 2021-020

Station: 62

Event #: 2

Ship: Vector

UTC Date (dd mmm/yyyy): 05 APR 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		10	Bot-5	✓ 144	x	x												
2		11	125	✓ 125	x	xx	x											
3		12	100	✓ 100	x	xx												
4		13	75	✓ 76	x	x												
5		14	50	✓ 50	x	x												
6		15	40	✓ 41	xx	x												
7		16	30	✓ 30	x	x												
8		17	20	✓ 20	xx	x		x										
9		18	10	✓ 10	x	x		xx										
10		19	5	✓ 5	x	x		x										
11		20	0	✓ 0	x	x		x	xx									FL: 0.3
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SR

Bottom Depth: 151 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1418	0718
Bottom	1421	
End	1437	

Positional Information

Lat: 48° 22.788 N

Lon: 123° 2.605 W

Lat: 48° 22.790 N

Lon: 123° 2.606 W

Lat: 48° 22.799 N

Lon: 123° 2.594 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020

Station: 63

Event #: 4

Ship: Vector

UTC Date (dd mmm yyyy): 05 APR 2021

		Event #: 4		Ship: Vector		UTC D												
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	Nut-F	CHL	HPLC	DA	Lugol's									
1		21	20	✓ 20	x	x												
2		22	10	✓ 10	x	xx												Bottle leaking b
3		23	5	✓ 5	x	x												
4		24	0	✓ 2.5	x	x	xx	x	x									
5																		FL: 0.5
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 cast, do not use Ammonia products

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

Bottom Depth: 154 m

Transmisso Cleaned: (Y) / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1605	0905
Bottom	1608	
End	1615	

Positional Information

Lat:	48 ° 14.586	N
Lon:	122 ° 58.458	W

Lat: 48 ° 14.585 N
Lon: 122 ° 58.456 W

Lat: 48 ° 14.580 N
Lon: 122 ° 58.466 W

Extra comments:

Cruise ID: 2021-020

Station: 65

Event #: 6

Ship: Vector

UTC Date (dd|mmm|yyyy): 05 APR 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		25	Bot-5	✓ 121	x	x												
2		26	100	✓ 160	x	x	x											
3		27	75	✓ 75	x	x												
4		28	50	✓ 50	x	xx												
5		29	40	✓ 40	x	x												
6		30	30	✓ 30	x	x												
7		31	20	✓ 20	x	x		xx										
8		32	10	✓ 9	x	x		x										
9		33	5	✓ 5	x	x		x										
10		34	0	✓ 0	xx	x		x	xx									FL: 0.25
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 128 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1745	1045
Bottom	1748	
End	1800	

Positional Information

Lat: 48 ° 15.902 N

Lon: 123 ° 9.814 W

Lat: 48 ° 15.898 N

Lon: 123 ° 9.810 W

Lat: 48 ° 15.884 N

Lon: 123 ° 9.799 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2021-020

Station:

ADCP

Event #:

10

Ship:

Vector

UTC Date (dd mmm/yyyy): 05 APR 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	Nut-F	Sal	CHL	HPLC	DA	Lugol's						
1		35	Bot-5	✓ 118	x	x											
2		36	100	✓ 100	x	x	x										
3		37	75	✓ 75	x	x											
4		38	50	✓ 50	x	x											
5		39	40	✓ 40	x	x											
6		40	30	✓ 30	x	x											
7		41	20	✓ 20	x	x			x								
8		42	10	✓ 10	x	x			x								
9		43	5	✓ 5	x	xx			xx								
10		44	0	✓ 0	xx	x			x	xx	x	x					FL:
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 122 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2120	0220
Bottom	2123	
End		

Positional Information
Start
Lat: 48 ° 14.010 N
Lon: 123 ° 18.041 W

Bottom
Lat: 48 ° 14.010 N
Lon: 123 ° 18.041 W

End
Lat: 48 ° 14.011 N
Lon: 123 ° 18.052 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020

Station: 69

Event #: 13

Ship: Vector

UTC Date (dd|mmm|yyyy): 06 APR 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC					Save sheet after printing labels: YES			
1		45	Bot-5	✓ 175	x	xx											
2		46	150	✓ 150	x	xx	x										
3		47	125	✓ 125	x	x											
4		48	100	✓ 101	x	x											
5		49	75	✓ 75	x	x											
6		50	50	✓ 50	xx	x											
7		51	40	✓ 41	x	x											
8		52	30	✓ 30	xx	x											
9		53	20	✓ 19	x	x		x									
10		54	10	✓ 11	x	x		x									
11		55	5	✓ 5	x	x		xx									
12		56	0	✓ 0	x	x		x	xx					FL: 0.4			
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 178 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0038	1738
Bottom	0442	
End	0058	

Positional Information
Start
Lat: 48 ° 15.550 N
Lon: 123 ° 43.178 W

Bottom
Lat: 48 ° 15.562 N
Lon: 123 ° 43.174 W

End
Lat: 48 ° 15.584 N
Lon: 123 ° 43.141 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2021-020

Station:

102

Event #:

23

Ship:

Vector

UTC Date (dd mmm/yyyy): 06 APR 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's						
1		57	Bot-5	✓	252	x	x										
2		58	250	✓	250	x	x	x									
3		59	200	✓	201	x	x										
4		60	175	✓	175	xx	x										
5		61	150	✓	150	x	x										
6		62	125	✓	125	x	x										
7		63	100	✓	100.0	x	x										
8		64	75	✓	75	x	x										
9		65	50	✓	51	xx	x										
10		66	40	✓	41	x	xx										
11		67	30	✓	30	x	xx										
12		68	20	✓	21	x	x		x								
13		69	10	✓	10	x	x		xx								
14		70	5	✓	5	x	x		x								
15		71	0	✓	0	x	x		x	xx	x	x				FL: 1.6	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 256 m
Transmisso Cleaned: ☒ Y ☐ N

	UTC	Local
Start	2340	1640
Bottom	2346	
End	0009	

Positional Information
Start
Lat: 48 ° 30.050 N
Lon: 124 ° 43.988 W

Bottom
Lat: 48 ° 30.065 N
Lon: 124 ° 43.939 W

End
Lat: 48 ° 29.984 N
Lon: 124 ° 43.829 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 75 Event #: 26 Ship: Vector UTC Date (dd mmm yyyy): 07 Apr/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		72	Bot-5	✓ 219	x	x												
2		73	200	✓ 200	x	x	x											
3		74	175	✓ 175	x	x												
4		75	150	✓ 151	xx	x												
5		76	125	✓ 126	x	x												
6		77	100	✓ 100	x	xx												
7		78	75	✓ 76	x	x												
8		79	50	✓ 50	x	x												
9		80	40	✓ 41	x	xx												
10		81	30	✓ 30	x	x												
11		82	20	✓ 20	x	x		x										
12		83	10	✓ 11	xx	x		x										
13		84	5	✓ 5	x	x		xx										
14		85	0	✓ 0	x	x		x	xx									FL:
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SR

Bottom Depth: 224 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0239	
Bottom	0243	
End	0302	

Positional Information

Lat: 48 ° 28.183 N

Lon: 124 ° 32.689 W

Lat: 48 ° 28.196 N

Lon: 124 ° 32.594 W

Lat: 48 ° 28.129 N

Lon: 124 ° 32.396 W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-020

Station:

72

Event #:

32

Ship:

Vector

UTC Date (dd mmm yyyy): 07 Apr 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	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's					
1		86	Bot-5	✓ 181	x	x		x									
2		87	175	✓ 175	x	xx	x										
3		88	150	✓ 151	x	x		x									
4		89	125	✓ 125	x	x											
5		90	100	✓ 100	x	x		x									
6		91	75	✓ 75	x	x		x									
7		92	50	✓ 50	x	x		x									
8		93	40	✓ 40	x	x											
9		94	30	✓ 30.5	x	x		x									
10		95	20	✓ 20	xx	xx		xx	x								
11		96	10	✓ 10	x	x		x	x								
12		97	5	✓ 5	xx	x		x	x								
13		98	0	✓ 0	x			xx									
14		99	0	✓ 0		x			xx	xx	x	x					
15																	FL:
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): SR

Bottom Depth: 188 m
Transmissio Cleaned: (Y) / N

Time	UTC	Local
Start	2130	
Bottom	2133	
End	2150	

Positional Information
Start
Lat: 48 ° 18.960 N
Lon: 124 ° 13.617 W

Bottom
Lat: 48 ° 17.009 N
Lon: 124 ° 3.679 W

End
Lat: 48 ° 17.064 N
Lon: 124 ° 3.905 W

Extra comments:

Cruise ID: 2021-020

Station: 59

Event #: 36

Ship: Vector

UTC Date (dd mmm/yyyy): 08 Apr/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments				
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's						Save sheet after printing labels: YES	
1		100	Bot-5	✓ 178	x	x		x											
2		101	200 175	✓ 175	xx	x	x	x											
3		102	175	✓ 175	xx	x													
4		103	150	✓ 150.5	x	x		xx											
5		104	125	✓ 125	x	xx													
6		105	100	✓ 100	x	x		x											
7		106	75	✓ 75	x	xx		x											
8		107	50	✓ 50	x	x		x											
9		108	40	✓ 40	x	x													
10		109	30	✓ 30	x	x		x											
11		110	20	✓ 20	x	x		x	xx										
12		111	10	✓ 10	x	x		xx	x										
13		112	5	✓ 5	x	x		x	x										
14		113	0	✓ 0	x			x											
15		114	0	✓ 0		x			x	xx	x	x					FL:		
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): SR

Bottom Depth: 182 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1445	0745
Bottom	1448	
End	1506	

Positional Information

Start

Lat: 48 ° 37.784 N

Lon: 123 ° 15.358 W

Bottom

Lat: 48 ° 37.771 N

Lon: 123 ° 15.359 W

End

Lat: 48 ° 37.751 N

Lon: 123 ° 15.376 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020

Station: 56

Event #: 39

Ship: Vector

UTC Date (dd:mmm/yyyy): 08 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's						
1		115	Bot-5	✓ 213	x	x											
2		116	200	✓ 202	x	x	x										
3		117	175	✓ 175	x	x											
4		118	150	✓ 151	x	x											
5		119	125	✓ 126	x	x											
6		120	100	✓ 101	x	x											
7		121	75	✓ 75	x	x											
8		122	50	✓ 50.6	x	x											
9		123	40	✓ 40	x	x											
10		124	30	✓ 30.5	xx	x											
11		125	20	✓ 20	x	x		x									
12		126	10	✓ 10	x	x		xx									
13		127	5	✓ 5	x	xx		x									
14		128	0	✓ 0	xx	xx		x	xx	x	x						FL:
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 218 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1733	1033
Bottom	1737	
End	1751	

Positional Information
Start
Lat: 48 ° 46.381 N
Lon: 123 ° 01.613 W

Bottom
Lat: 48 ° 46.378 N
Lon: 123 ° 01.600 W

End
Lat: 48 ° 46.375 N
Lon: 123 ° 01.550 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 46 Event #: 46 Ship: Vector UTC Date (dd mmm/yyyy): 08 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		129	Bot-5	✓ 174	x	x												
2		130	150	✓ 150.5	x	x	x											
3		131	125	✓ 125.5	x	x												
4		132	100	✓ 100.4	x	x												
5		133	75	✓ 75.1	xx	xx												
6		134	50	✓ 50	x	x												
7		135	40	✓ 40.2	x	x												
8		136	30	✓ 30.2	x	x												
9		137	20	✓ 20.1	xx	x		x										
10		138	10	✓ 10.2	x	x		x										
11		139	5	✓ 4.9	x	x		xx										
12		140	0	✓ 2.5	x	xx		x	xx									FL: 21.5
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SR

Bottom Depth: 128 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2207	1507
Bottom	2112	
End	2225	

Positional Information

Lat: 48° 51.463 N

Lon: 123° 10.819 W

Lat: 48° 51.462 N

Lon: 123° 10.823 W

Lat: 48° 51.478 N

Lon: 123° 10.813 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 42 Event #: 50 Ship: Vector UTC Date (dd mmm yyyy): 08 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's			Save sheet after printing labels:	YES	
1		141	Bot-5	✓ 321	x	x		x									
2		142	300	✓ 300	x	x	x										
3		143	250	✓ 250	x	xx		x									
4		144	200	✓ 200	xx	x		x									
5		145	175	✓ 175	x	xx											
6		146	150	✓ 150	x	x		x									
7		147	125	✓ 125	x	x		x									
8		148	100	✓ 100	x	x		xx									
9		149	75	✓ 75	x	x		x									
10		150	50	✓ 50	x	x		x									
11		151	40	✓ 40	xx	x		x									
12		152	30	✓ 30	x	x		x									
13		153	20	✓ 20	x	x		x	xx								
14		154	10	✓ 10	x	x		xx	x								
15		155	5	✓ 5	x	x		x	x								
16		156	0	✓ 0	x			x									
17		157	0	✓ 0		x			x	xx	x	x				FL:	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 325 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0135	
Bottom	0141	
End	0206	

Positional Information
Start
Lat: 49° 1.816 N
Lon: 123° 26.453 W

Bottom
Lat: 49° 1.820 N
Lon: 123° 26.438 W

End
Lat: 49° 1.820 N
Lon: 123° 26.420 W

Extra comments:
2021-020

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020 Station: VAN7 Event #: 52 Ship: Vector UTC Date (dd mmm/yyyy): 02 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL									
1		158	Bot-5	✓ 17.6	x	xx		x	x									
2		159	5	✓ 9	xx	x	x	x	x									
3		160	0	✓ 0	x	x		xx	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): SR

Bottom Depth: 21 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1422	0722
Bottom	1423	
End	1428	

Positional Information

Start

Lat: 49 ° 17.423 N

Lon: 122 ° 54.312 W

Bottom

Lat: 49 ° 17.424 N

Lon: 122 ° 54.312 W

End

Lat: 49 ° 17.428 N

Lon: 122 ° 54.308 W

Extra comments:

Cruise ID: 2021-020

Station: IND2

Event #: 54

Ship: Vector

UTC Date (dd mmm yyyy): 9 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC							
1		162	Bot-5	✓ 158	x	x		x									
2		163	125	✓ 125	xx	xx	x	x									
3		164	100	✓ 100	x	x		x									
4		165	75	✓ 75	x	x		x									
5		166	50	✓ 50	x	x		xx									
6		167	40	✓ 40	x	xx											
7		168	30	✓ 30	xx	x		x									
8		169	20	✓ 20	x	x		x	x								
9		170	10	✓ 10	x	x		x	xx								
10		171	5	✓ 5	x	x		x	x								
11		172	0	✓ 0	x			x									
12		173	0	✓ 0		x			x	xx							FL:
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): SR

Bottom Depth: 163 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1537	
Bottom	1541	
End	1553	

Positional Information

Lat: 49 ° 20.994 N

Lon: 122 ° 54.119 W

▼

Lat: 49 ° 20.996 N

Lon: 122 ° 54.122 W

▼

Lat: 49 ° 21.004 N

Lon: 122 ° 54.106 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC							
1		174	Bot-5	✓ 37	x	x		x									
2		175	30	✓ 30	x	xx	x	x									
3		176	20	✓ 20	xx	x		xx	xx								
4		177	10	✓ 10	x	x		x	x								
5		178	5	✓ 5	x	x		x	x								
6		179	0	✓ 0	x												
7		180	0	✓ 0		x			x	xx							FL:
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): SR

Bottom Depth: 40.2 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1716	1016
Bottom	1718	
End	1724	

Positional Information

Start

Lat: 49 ° 26.466 N

Lon: 122 ° 52.560 W

Bottom

Lat: 49 ° 26.466 N

Lon: 122 ° 52.555 W

End

Lat: 49 ° 26.455 N

Lon: 122 ° 52.547 W

Extra comments:

Cruise ID: 2021-020

Station: IND7

Event #: 58

Ship: Vector

UTC Date (dd mmm/yyyy): 09 Apr/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC							
1		181	Bot-5	✓ 72.6	x	x		x									
2		182	50	✓ 50.0	x	x	x										
3		183	40	✓ 40	x	x											
4		184	30	✓ 30	x	x		x									
5		185	20	✓ 20	x	x		x	x								
6		186	10	✓ 10	x	xx		x	x								
7		187	5	✓ 5	xx	x		xx	x								
8		188	0	✓ 0	x			x									
9		189	0	✓ 0		x			xx	xx							FL:
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): SR

Bottom Depth: 76 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1822	1122
Bottom	1824	
End	1832	

Positional Information

StartLat: 49 ° 27.410 N
Lon: 122 ° 52.676 W

BottomLat: 49 ° 27.408 N
Lon: 122 ° 52.676 W

EndLat: 49 ° 27.408 N
Lon: 122 ° 52.681 W

Extra comments:

Cruise ID: 2021-020

Station: IND4

Event #: 60

Ship: Vector

UTC Date (dd:mmm/yyyy): 09 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's						Save sheet after printing labels: YES	
1		190	Bot-5	✓ 218	x	x		xx											
2		191	200	✓ 200	x	x	x												
3		192	175	✓ 175	x	x		x											
4		193	150	✓ 150	x	x		x											
5		194	125	✓ 125	xx	x		x											
6		195	100	✓ 100	x	x		x											
7		196	75	✓ 75	x	x		x											
8		197	50	✓ 50	x	x		xx											
9		198	40	✓ 40	x	x													
10		199	30	✓ 30	x	x		x											
11		200	20	✓ 20	xx	x		x	x										
12		201	10	✓ 10	x	xx		x	xx										
13		202	5	✓ 5	x	x		x	x										
14		203	0	✓ 0	x			x											
15		204	0	✓ 0		xx			x	xx	x	x					FL: 1.8		
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 223 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1940	1240
Bottom	1945	
End	2008	

Positional Information

Start

Lat: 49 ° 23.306 N

Lon: 122 ° 52.498 W

Bottom

Lat: 49 ° 23.293 N

Lon: 122 ° 52.498 W

End

Lat: 49 ° 23.276 N

Lon: 122 ° 52.501 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020 Station: INDO Event #: 63 Ship: Vector UTC Date (dd|mmm|yyyy): 09 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC							
1		205	Bot-5	✓ 32.5	xx	x		x									
2		206	20	✓ 20	x	xx	x	x	xx								
3		207	10	✓ 10	x	x		x	x								
4		208	5	✓ 5	x	x		x	x								
5		209	0	✓ 0	x			xx									
6		210	0	✓ 0		x			x	xx							FL: 4.4
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): SR

Bottom Depth: 35 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2205	
Bottom	2206	
End	2210	

Positional Information

Lat: 49° 18.182 N

Lon: 122° 56.521 W

Lat: 49° 18.180 N

Lon: 122° 56.522 W

Lat: 49° 18.173 N

Lon: 122° 56.518 W

Extra comments:

Cruise ID: 2021-020

Station: VAN6

Event #: 65

Ship: Vector

UTC Date (dd mmm yyyy): 09 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC							
1		211	Bot-5	✓ 66	x	x		x									
2		212	50	✓ 50	x	x	x	x									
3		213	40	✓ 40	x	x											
4		214	30	✓ 30	x	x		x									
5		215	20	✓ 20	x	x		x	x								
6		216	10	✓	xx	xx		x	xx								
7		217	5	✓	x	x		x	x								
8		218	0	✓	x			xx									
9		219	0	✓		x			x	xx							FL:
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 70 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2256	1556
Bottom	2258	
End	2306	

Positional Information

Start

Lat: 49 ° 17.899 N

Lon: 122 ° 58.888 W

Bottom

Lat: 49 ° 17.902 N

Lon: 122 ° 58.898 W

End

Lat: 49 ° 17.899 N

Lon: 122 ° 58.957 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: VAN5 Event #: 66 Ship: Vector UTC Date (dd mmm/yyyy): 10 Apr/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples				Comments		
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC					Save sheet after printing labels: YES		
1		220	Bot-5	✓	35	x	x		x								
2		221	30	✓	30	x	x	x	x								
3		222	20	✓	20	x	x		x	x							
4		223	10	✓	10	x	x		x	x							
5		224	5	✓	5	x	x		xx	xx							
6		225	0	✓	0	xx			x								
7		226	0	✓	0		xx			x	xx					FL: 5.4	
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): SR

Bottom Depth: m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0052	18
Bottom	0053	
End	0059	

Positional Information

Start Lat: 49 ° 17.705 N

Start Lon: 123 ° 03.278 W

Bottom Lat: 49 ° 17.704 N

Bottom Lon: 123 ° 03.270 W

End Lat: 49 ° 17.707 N

End Lon: 123 ° 03.274 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020

Station: VAN4

Event #: 67

Ship: Vector

UTC Date (dd mmm yyyy): 10 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC					Save sheet after printing labels: YES			
1		227	Bot-5	✓ 59.3	x	x		xx										
2		228	50	✓ 50	x	x	x	x										
3		229	40	✓ 40	x	x		x										
4		230	30	✓ 30	x	x		x										
5		231	20	✓ 20	x	x		x	xx									
6		232	10	✓ 10	x	x		x	x									
7		233	5	✓ 5	x	x		x	x									
8		234	0	✓ 0	xx			x										
9		235	0	✓ 0		xx			x	xx							FL: 5.0	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 61 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0131	
Bottom	0133	
End	0141	

Positional Information
Start
Lat: 49 ° 17.888 N
Lon: 123 ° 05.759 W

Bottom
Lat: 49 ° 17.896 N
Lon: 123 ° 05.771 W

End
Lat: 49 ° 17.888 N
Lon: 123 ° 05.810 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's					
1		236	Bot-5	✓ 113	x	x		x									
2		237	100	✓ 100	x	x	x	xx									
3		238	75	✓ 75	x	x		x									
4		239	50	✓ 50	x	x		x									
5		240	40	✓ 40	x	x		x									
6		241	30	✓ 30	x	xx		x									
7		242	20	✓ 20	x	x		x	x								
8		243	10	✓ 10	x	x		x	x								
9		244	5	✓ 5	x	x		xx	x								
10		245	0	✓ 0	xx			x									
11		246	0	✓ 0		x			xx	xx	x	x					
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 117 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1546	0846
Bottom	1548	
End	1559	

Positional Information

Start

Lat: 49 ° 18.859 N

Lon: 123 ° 15.942 W

Bottom

Lat: 49 ° 18.846 N

Lon: 123 ° 15.950 W

End

Lat: 49 ° 18.848 N

Lon: 123 ° 15.990 W

Extra comments:

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 24 Event #: 73 Ship: Vector UTC Date (dd mmm/yyyy): 10 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed ✓ Pressure	Nut-F	CHL	HPLC									Save sheet after printing labels: YES	
1		247	20	✓ 20	x	x											
2		248	10	✓ 10	x	x											
3		249	5	✓ 4	xx	x											
4		250	0	✓ 0	x	xx	xx									FL:	
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): SR

Bottom Depth: 427 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	<u>1943</u>	
Bottom	<u>1952</u>	
End	<u>2004</u>	

Positional Information

Start	Lat: <u>49° 30.271</u>	N
	Lon: <u>124° 06.020</u>	W
	▼	
Bottom	Lat: <u>49° 30.313</u>	N
	Lon: <u>124° 06.026</u>	W
	▼	
End	Lat: <u>49° 30.385</u>	N
	Lon: <u>124° 06.064</u>	W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's			Save sheet after printing labels: YES			
1		255	Bot-5	✓ 239	x	x		x									
2		256	250	✓ 239	x	x	x	x									
3		257	100	✓ 100	x	x		xx									
4		258	50	✓ 50	x	xx		x									
5		259	25	✓ 25	xx	x		x									
6		260	10	✓ 10	x	x		xx									
7		261	5	✓ 5	x	x		x		NOT SAMPLED							
8		262	0	✓ 0	x	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):

SR

Bottom Depth:

241

m

Transmisso Cleaned:

Y

N

Time	UTC	Local
Start	2311	1611
Bottom	2315	
End	2326	

Positional Information

Start

Lat: 49 ° 43.433 N

Lon: 124 ° 15.490 W

Bottom

Lat: 49 ° 43.447 N

Lon: 124 ° 15.494 W

End

Lat: 49 ° 43.432 N

Lon: 124 ° 15.577 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-020

Station:

22

Event #:

76

Ship:

Vector

UTC Date (dd:mmm/yyyy): 10 Apr/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	Nut-F	CHL	HPLC	DA	Lugol's						
1		251	20	✓ 20	xx	xx									CHL MAX
2		252	10	✓ 10	x	x	xx								
3		253	5	✓ 5	x	x									FL: ≈ 2.0
4		254	0	✓ 0	x	x	xx	x	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): SR

Bottom Depth: SR m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2226	
Bottom	2232	
End	2241	

Positional Information
Start
Lat: 49 ° 40.247 N
Lon: 124 ° 16.298 W

Bottom
Lat: 49 ° 40.249 N
Lon: 124 ° 16.296 W

End
Lat: 49 ° 40.219 N
Lon: 124 ° 16.277 W

Extra comments:

Cruise ID: 2021-020

Station: JI-3

Event #: 78

Ship: Vector

UTC Date (dd mmm/yyyy): 11 Apr 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	Sal	CHL	HPLC							
1		263	Bot-5	✓ 304	xx	x			xx								
2		264	250	✓ 250	x	x		x	x								
3		265	100	✓ 100	x	xx			x								
4		266	50	✓ 50	x	x			x								
5		267	25	✓ 25	x	x			xx								
6		268	10	✓ 10	x	x			x								
7		269	5	✓ 5	x	x			x								
8		270	0	✓ 0	x	x			x	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): SR

Bottom Depth: 310 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0039	1739
Bottom	0046	
End	0059	

Positional Information

Start

Lat: 49 ° 45.905 N

Lon: 124 ° 9.974 W

Bottom

Lat: 49 ° 45.900 N

Lon: 124 ° 10.009 W

End

Lat: 49 ° 45.916 N

Lon: 124 ° 10.014 W

Extra comments:

Cruise ID: 2021-020

Station: JI-5

Event #: 79

Ship: Vector

UTC Date (dd|mmm|yyyy): 11 April 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments			
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Nut-C			Save sheet after printing labels: YES			
1		271	Bot-5	✓ 662	x	x		x				x						
2		272	250	✓ 250	x	x	x	xx										
3		273	100	✓ 100	x	x		x										
4		274	50	✓ 50	x	x		x										
5		275	25	✓ 25	x	x		xx										
6		276	10	✓ 10	xx	xx		x										
7		277	5	✓ 5	x	x		x										
8		278	0	✓ 0	x	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): SR

Bottom Depth: ~ m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0145	1845
Bottom	0157	
End	0214	

Positional Information

Start

Lat: 49 ° 47.820 N

Lon: 124 ° 02.046 W

▼

Bottom

Lat: 49 ° 47.819 N

Lon: 124 ° 02.060 W

▼

End

Lat: 49 ° 47.819 N

Lon: 124 ° 02.062 W

Extra comments:

Cruise ID: 2021-020

Station: JI-6

Event #: 80

Ship: Vector

UTC Date (dd|mmm|yyyy): 11 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL									
1		279	Bot-5	✓ 360	xx	x		x									
2		280	250	✓ 250	x	x	x	x									
3		281	100	✓ 100	x	x		xx									
4		282	50	✓ 50	x	x		x									
5		283	25	✓ 25	x	x		x									
6		284	10	✓ 10	x	x		x									
7		285	5	✓ 5	x	x		xx									
8		286	0	✓	x	xx		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): SR

Bottom Depth: 36 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0243	1943
Bottom	0250	
End	0302	

Positional Information

Start

Lat: 49 ° 47.388 N

Lon: 123 ° 57.248 W

Bottom

Lat: 49 ° 47.390 N

Lon: 123 ° 57.274 W

End

Lat: 49 ° 47.378 N

Lon: 123 ° 57.260 W

Extra comments:

Cruise ID: 2021-020

Station: JI-7

Event #: 81

Ship: Vector

UTC Date (dd mmm yyyy): 11 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed ☒ Pressure	OXY	Nut-F	Sal	CHL	HPLC	Nut-C							
1		287	Bot-5	☒ 677	x	x		x		x							
2		288	250	☒ 250	xx	x	x	xx									
3		289	100	☒ 250	x	x		xx									
4		290	50	☒ 50	x	x		x									
5		291	25	☒ 25	x	x		x									
6		292	10	☒ 10	x	xx		x									
7		293	5	☒ 5	x	x		x									
8		294	0	☒ 0	x	x		x	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): SR

Bottom Depth: 682 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1410	0710
Bottom	1422	
End	1441	

Positional Information

Start

Lat: 49 ° 50.656 N

Lon: 123 ° 53.822 W

Bottom

Lat: 49 ° 50.663 N

Lon: 123 ° 53.815 W

End

Lat: 49 ° 50.675 N

Lon: 123 ° 53.813 W

Extra comments:

Cruise ID: 2021-020

Station: JI-4

Event #: 82

Ship: Vector

UTC Date (dd mmm yyyy): 11 Apr 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	Sal	CHL									
1		295	Bot-5	✓ 599	x	x	x		x									
2		296	250	✓ 250	x	xx		x	x									
3		297	100	✓ 100	x	x			xx									
4		298	50	✓ 50	x	x			x									
5		299	25	✓ 25	x	x			x									
6		300	10	✓ 10	xx	x			xx									
7		301	5	✓ 5	x	x			x									
8		302	0	✓ 0	x	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): SR

Bottom Depth: 539 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1542	
Bottom	1555	
End	1611	

Positional Information

Start

Lat: 49 ° 47.203 N

Lon: 124 ° 5.758 W

▼

Bottom

Lat: 49 ° 47.209 N

Lon: 124 ° 5.714 W

▼

End

Lat: 49 ° 47.215 N

Lon: 124 ° 5.683 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020 Station: JI-2 Event #: 83 Ship: Vector UTC Date (dd mmm yyyy): 11 Apr

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL									
1		303	Bot-5	✓ 324	x	x		x									
2		304	250	✓ 250	xx	x	x	x									
3		305	100	✓ 100	x	x		xx									
4		306	50	✓ 50	x	x		x									
5		307	25	✓ 25	x	x		x									
6		308	10	✓ 10	x	x		xx									
7		309	5	✓ 5	x	xx		x									
8		310	0	✓ 0	x	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): SR

Bottom Depth: 327 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1653	
Bottom	1659	
End		

Positional Information

Start	Lat: 49 ° 45.798 N
	Lon: 124 ° 14.414 W

Bottom

	Lat: 49 ° 45.788 N
	Lon: 124 ° 14.417 W

End

	Lat: 49 ° 45.790 N
	Lon: 124 ° 14.424 W

Extra comments:

Cruise ID: 2021-020

Station: 14

Event #: 88

Ship: Vector

UTC Date (dd mmm yyyy): 11 Apr 202

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's						
1		311	Bot-5	✓ 312	x	x											
2		312	300	✓ 300	x	x	x										
3		313	250	✓ 250	x	x											
4		314	200	✓ 200	xx	x											
5		315	175	✓ 175	x	x											
6		316	150	✓ 150	x	x											
7		317	125	✓ 125	x	x											
8		318	100	✓ 125	x	x											
9		319	75	✓ 100	x	x											
10		320	50	✓ 50	x	x											
11		321	40	✓ 40	x	xx											
12		322	30	✓ 30	x	xx											
13		323	20	✓ 20	x	x		x									
14		324	10	✓ 10	x	x		x									
15		325	5	✓ 5	x	x		x									
16		326	0	✓	xx	x		xx	xx	x	x						FL:
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 316 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2214	1514
Bottom	2219	
End	2239	

Positional Information

Start

Lat: 49 ° 52.990 N

Lon: 124 ° 59.581 W

Bottom

Lat: 49 ° 52.990 N

Lon: 124 ° 59.598 W

End

Lat: 49 ° 52.986 N

Lon: 124 ° 59.616 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 16 Event #: 92 Ship: Vector UTC Date (dd|mmm|yyyy): 12 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		327	Bot-5	✓ 155	xx	x												
2		328	125	✓ 125	x	x	x											
3		329	100	✓ 100	x	x												
4		330	75	✓ 75	x	x												
5		331	50	✓ 50	x	xx												
6		332	40	✓ 40	xx	x												
7		333	30	✓ 30	x	x												
8		334	20	✓ 20	x	x		xx										
9		335	10	✓ 10	x	xx		x										
10		336	5	✓ 5	x	x		x										
11		337	0	✓ 0	x	x		x	xx									FL:
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 159 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0126	1826
Bottom	0130	
End	0143	

Positional Information
Start
Lat: 49 ° 57.673 N
Lon: 125 ° 08.777 W

Bottom
Lat: 49 ° 57.670 N
Lon: 125 ° 08.773 W

End
Lat: 49 ° 57.678 N
Lon: 125 ° 08.797 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 12 Event #: 96 Ship: Vector UTC Date (dd mmm yyyy): 12 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's					
1		338	Bot-5	✓ 353	x	xx		x									
2		339	300	✓ 300.4	x	x	x										
3		340	250	✓ 250	xx	x		x									
4		341	200	✓ 200	xx	x		x									
5		342	175	✓ 175	x	x											
6		343	150	✓ 150.5	x	x		x									
7		344	125	✓ 125	x	x		x									
8		345	100	✓ 100	x	x		xx									
9		346	75	✓ 75	x	x		x									
10		347	50	✓ 50	x	xx		xx									
11		348	40	✓ 40	x	x		x									
12		349	30	✓ 30	x	x		x									
13		350	20	✓ 20	x	x		x	x								
14		351	10	✓ 10	x	x		x	x								
15		352	5	✓ 5	x	x		x	xx								
16		353	0	✓ 0	x			x									
17		354	0	✓ 0		x			x	xx	x	x					FL:
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 359 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1553	0853
Bottom	1600	
End	1628	

Positional Information
Start
Lat: 49 ° 43.591 N
Lon: 124 ° 40.819 W

Bottom
Lat: 49 ° 43.616 N
Lon: 124 ° 40.837 W

End
Lat: 49 ° 43.625 N
Lon: 124 ° 40.855 W

Extra comments:

Cruise ID: 2021-020

Station: 9

Event #: 98

Ship: Vector

UTC Date (dd mmm yyyy): 12 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples				Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC					Save sheet after printing labels: YES			
1		355	Bot-5	✓ 165	x	x											
2		356	150	✓ 150	x	x	x										
3		357	125	✓ 125	x	xx											
4		358	100	✓ 100	x	x											
5		359	75	✓ 75	x	x											
6		360	50	✓ 50	x	xx											
7		361	40	✓ 40	x	x											
8		362	30	✓ 30	x	x											
9		363	20	✓ 20	x	x		xx									
10		364	10	✓ 10	x	x		x									
11		365	5	✓ 5	xx	x		x									
12		366	0	✓ 0	xx	x		x	xx					FL:			
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 170 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1818	11:18
Bottom	1821	
End	1835	

Positional Information

Lat: 49 ° 35.533 N

Lon: 124 ° 38.238 W

▼

Lat: 49 ° 35.532 N

Lon: 124 ° 38.242 W

▼

Lat: 49 ° 35.537 N

Lon: 124 ° 38.239 W

Extra comments:

Cruise ID: 2021-020

Station: 6

Event #: 100

Ship: Vector

UTC Date (dd mmm yyyy): 12 / 1

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		367	Bot-5	✓ 188	x	x												
2		368	175	✓ 175	x	x	x											
3		369	150	✓ 150	x	x												
4		370	125	✓ 125	x	xx												
5		371	100	✓ 100	xx	x												
6		372	75	✓ 75	x	x												
7		373	50	✓ 50	x	x												
8		374	40	✓ 40	x	x												
9		375	30	✓ 30	x	x												
10		376	20	✓ 20	x	x		x										
11		377	10	✓ 10	xx	x		x										
12		378	5	✓ 5	x	x		x										
13		379	0	✓ 0	x	xx		xx	xx									FL:
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): SR

Bottom Depth: 193 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	20:25	1325
Bottom	20:28	
End	20:45	

Positional Information

Lat: 49 ° 30.602 N

Lon: 124 ° 27.785 W

Start

Bottom

Lat: 49 ° 30.604 N

Lon: 124 ° 27.788 W

End

Lat: 49 ° 30.609 N

Lon: 124 ° 27.790 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 3 Event #: 103 Ship: Vector UTC Date (dd mmm/yyyy): 12 Apr / 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC					Save sheet after printing labels: YES			
1		380	Bot-5	✓ 320.6	x	x											
2		381	300	✓ 300	x	x	x										
3		382	250	✓ 250	x	x											
4		383	200	✓ 200	x	x											
5		384	175	✓ 175	x	x											
6		385	150	✓ 150	x	x											
7		386	125	✓ 125	x	x											
8		387	100	✓ 100	x	xx											
9		388	75	✓ 75	x	xx											
10		389	50	✓ 50	x	x											
11		390	40	✓ 40	xx	x											
12		391	30	✓ 30	x	x											
13		392	20	✓ 20	x	x		x									
14		393	10	✓ 10	xx	x		xx									
15		394	5	✓ 5	x	x		x									
16		395	0	✓ 0	x	x		x	xx								
17																	FL:
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 326 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2246	1546
Bottom	2252	
End	2310	

Positional Information
Start
Lat: 49 ° 26.598 N
Lon: 124 ° 20.209 W

Bottom
Lat: 49 ° 26.600 N
Lon: 124 ° 20.248 W

End
Lat: 49 ° 26.634 N
Lon: 124 ° 20.202 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 2 Event #: 106 Ship: Vector UTC Date (dd mmm yyyy): 13 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's						
1		396	Bot-5	✓ 277	xx	x											
2		397	250	✓	x	xx	x										
3		398	200	✓	x	x											
4		399	175	✓	x	x											
5		400	150	✓	x	x											
6		401	125	✓	x	x											
7		402	100	✓	x	x											
8		403	75	✓	x	x											
9		404	50	✓	x	x											
10		405	40	✓	x	x											
11		406	30	✓	x	xx											
12		407	20	✓	x	x		x									
13		408	10	✓	x	x		x									
14		409	5	✓	x	x		xx									
15		410	0	✓	xx	x		x	xx	x	x						FL: 7.6
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): 802

Bottom Depth: 280 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0131	1731
Bottom	0136	
End	0155	

Positional Information

Start	Lat: <u>49 ° 24.090</u> N
	Lon: <u>124 ° 9.368</u> W
	▼
Bottom	Lat: <u>49 ° 24.092</u> N
	Lon: <u>124 ° 24.364</u> W
	▼
End	Lat: <u>49 ° 24.076</u> N
	Lon: <u>124 ° 9.311</u> W

Extra comments:

Cruise ID: 2021-020

Station: CPF1

Event #: 108

Ship: Vector

UTC Date (dd.mmm.yyyy): 13 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC										Save sheet after printing labels: YES	
1		411	20	✓ 20	x	xx												
2		412	10	✓ 10	xx	x												
3		413	5	✓ 5	x	x												
4		414	0	✓ 0	x	x	xx										FL:	
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): SR

Bottom Depth: 250 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0312	2012
Bottom	0316	
End	0327	

Positional Information

Start

Lat: 49 ° 21.984 N

Lon: 124 ° 5.156 W

Bottom

Lat: 49 ° 21.978 N

Lon: 124 ° 5.143 W

End

Lat: 49 ° 21.979 N

Lon: 124 ° 5.113 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 39 Event #: 113 Ship: Vector UTC Date (dd mmm/yyyy): 13 Apr/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC									
1		415	Bot-5	✓ 374	x	x												
2		416	350	✓ 351	x	x	x											
3		417	300	✓ 300	x	x												
4		418	250	✓ 251	x	x												
5		419	200	✓ 200	xx	x												
6		420	175	✓ 176	x	x												
7		421	150	✓ 150	x	x												
8		422	125	✓ 126	x	x												
9		423	100	✓ 100	x	x												
10		424	75	✓ 75	x	x												
11		425	50	✓ 50	x	x												
12		426	40	✓ 40	x	x												
13		427	30	✓ 30	x	x												
14		428	20	✓ 20	xx	xx		x										
15		429	10	✓ 10	x	x		x										
16		430	5	✓ 5	x	x		xx										
17		431	0	✓ 0	x	xx		x	xx									FL:
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): 507

Bottom Depth: 379 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1606	0906
Bottom	1613	
End	1636	

Positional Information
Start
Lat: 49 ° 9.770 N
Lon: 123 ° 32.954 W

Bottom
Lat: 49 ° 9.778 N
Lon: 123 ° 32.981 W

End
Lat: 49 ° 9.773 N
Lon: 123 ° 32.980 W

Extra comments:

Cruise ID: 2021-020

Station: GEO1

Event #: 117

Ship: Vector

UTC Date (dd mmm yyyy): 13 Apr 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		432	20	✓	20	x	x													
2		433	10	✓	10	x	xx													
3		434	5	✓	5	xx	x													
4		435	0	✓	0	x	x	xx												FL:
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
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17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 403 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	2102	1402
Bottom	2110	
End	2120	

Positional Information

Start

Lat: 49 ° 14.993 N

Lon: 123 ° 44.915 W

Bottom

Lat: 49 ° 15.004 N

Lon: 123 ° 44.922 W

End

Lat: 49 ° 15.013 N

Lon: 123 ° 44.945 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-020 Station: 27 Event #: 120 Ship: Vector UTC Date (dd|mmm|yyyy): 13 Apr 2022

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists:					Core_Samples					Comments	
			Target Pressure	Confirmed	Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's							Save sheet after printing labels:		
				✓																		
1		436	Bot-5	✓	355	x	x		x													
2		437	300	✓	300	x	xx	x	xx													
3		438	250	✓	250	x	x		x													
4		439	200	✓	200	xx	x		x													
5		440	175	✓	175	x	x															
6		441	150	✓	150	x	x															
7		442	125	✓	125	xx	x															
8		443	100	✓	100	x	x															
9		444	75	✓	75	x	x															
10		445	50	✓	50	x	x															
11		446	40	✓	40	x	x															
12		447	30	✓	30	x	x															
13		448	20	✓	20	x	x			x												
14		449	10	✓	10	x	xx			xx												
15		450	5	✓	5	x	x			x												
16		451	0	✓	0	x																
17		452	0	✓	0		x			x	xx	x	x						FL:			
18																						
19																						
20																						
21																						
22																						
23																						
24																						

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

Watchkeeper(s): SR

Bottom Depth: 359 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2319	
Bottom	2326	
End	2346	

Positional Information

Lat: 49 ° 19.014 N

Lon: 123 ° 48.112 W

Lat: 49 ° 19.056 N

Lon: 123 ° 48.122 W

Lat: 49 ° 19.072 N

Lon: 123 ° 48.972 W

Extra comments:

Cruise ID: 2021-020

Station: SC04

Event #: 133

Ship: Vector

UTC Date (dd mmm/yyyy): 14 Apr 2021

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed ✓	Pressure	Nut-F	CHL	HPLC	LUG									Save sheet after printing labels: YES	
1		453	20	✓	20	xx	xx												
2		454	10	✓	10	x	x												
3		455	5	✓	5	x	x												
4		456	0	✓	0	x	x	xx	X									FL: 1.5	
5																			
6																			
7																			
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23																			
24																			

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

Watchkeeper(s): SR

Bottom Depth: 98 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2304	1604
Bottom	2306	
End	2310	

Positional Information

Start

Lat: 48 ° 43.507 N

Lon: 123 ° 25.018 W

▼

Bottom

Lat: 48 ° 43.508 N

Lon: 123 ° 25.010 W

▼

End

Lat: 48 ° 43.513 N

Lon: 123 ° 25.008 W

Extra comments: