

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: SI

Event #: 1

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 02/APR/2022

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

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC										
1		1	Bot-5	174	x	x													
2		2	175	174	xx	x	x												
3		3	150	150	x	x													
4		4	125		x	x													
5		5	100		xx	xx													
6		6	75		x	x												Did not sample	
7		7	50		x	x													
8		8	40		x	x													
9		9	30		x	x													
10		10	20		x	x		x											
11		11	10		x	x		xx											
12		12	5		x	xx		x											
13		13	0		x	x		x	xx										
14		14	50	50	X	X													
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: Rosette

Watchkeeper(s): SR + CO

Bottom Depth:

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0131	1831
Bottom	0133	
End	0204	

Positional Information

Lat:	48 ° 39.07	N
Lon:	123 ° 29.93	W

Lat:	48 ° 39.103	N
Lon:	123 ° 29.927	W

Lat:	° 39.	N
Lon:	°	W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Ross						Save sheet after printing labels: YES
1		15	Bot-5	✓	224	x	x		x										
2		16	200	✓	199	x	x	x	xx										DC 168 taken before 16A.
3		17	175	✓	174	x	xx												
4		18	150	✓	151	x	x		x										
5		19	125	✓	125	x	x												
6		20	100	✓	100	xx	x		x										
7		21	75	✓	75	xx	xx		x										
8		22	50	✓	50	x	x		x										
9		23	40	✓	40	x	x												
10		24	30	✓	30	x	x		xx										
11		25	20	✓	20	x	x		x	xx									
12		26	10	✓	10	x	x		x	x									
13		27	5	✓	5	x	x		x	x									
14		28	0	✓	2	x			x										
15		29	0	✓	2		x			x	xx	x	x	xx					
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: Rosette

Watchkeeper(s): CO

Bottom Depth: 231 m

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	04:45	21:45
Bottom	04:49	21:49
End	05:17	22:17

Positional Information

Lat:	48 ° 37.688	N
Lon:	123 ° 14.572	W

Lat:	48 ° 37.624	N
Lon:	123 ° 14.561	W

Lat:	48 ° 37.272	N
Lon:	123 ° 14.573	W

Extra comments:

Cruise ID: 2022-013

Station: 102

Event #: 5

Ship: Vector

UTC Date (dd|mmm|yyyy): 02/APR/2022

Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments				
Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross							Save sheet after printing labels: YES

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross					
1		30	Bot-5	241	x	x	x										
2		31	250	244	x	x	x										
3		32	200	204	x	x	x										
4		33	175	178	x	x	x										
5		34	150	149	x	x											
6		35	125	127	x	x											
7		36	100	99	x	xx											
8		37	75	75	xx	x											
9		38	50	51	x	x											
10		39	40	40	x	x											
11		40	30	31	xx	x											
12		41	20	20	x	x		x									
13		42	10	10	x	xx		xx									
14		43	5	5	x	x		x									
15		44	0		x	x		x	xx	x	x	xx					
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: Rosette

Watchkeeper(s): SR

Bottom Depth:

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1636	0936
Bottom	1643	
End	1713	

Positional Information

Start

Lat: 48 ° 29.999 N

Lon: 124 ° 44.536 W

Bottom

Lat: 48 ° 30.086 N

Lon: 124 ° 44.747 W

End

Lat: 48 ° 30.587 N

Lon: 124 ° 44.45.701 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2022-013

Station:

75

Event #:

8

Ship:

Vector

UTC Date (dd|mmm|yyyy):

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC						Save sheet after printing labels: YES	
1		45	Bot-5	✓	211	xx	x	x								
2		46	200	✓	200	x	x	x								
3		47	175	✓	178	x	x	x								
4		48	150	✓	152	x	x									
5		49	125	✓	129	x	x									
6		50	100	✓	99	x	x									
7		51	75	✓	76	x	x									
8		52	50	✓	50	x	x									
9		53	40	✓	41	x	x									
10		54	30	✓	32	x	x									
11		55	20	✓	21	xx	x		xx							
12		56	10	✓	11	x	xx		x							
13		57	5	✓	6	x	xx		x							
14		58	0	✓	2	x	x		x	xx						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: Rosette

Watchkeeper(s): CO

Bottom Depth: 220

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	20:39	13:39
Bottom	20:45	13:45
End	21:	14:

Positional Information

Start	Lat:	48 ° 28.376	N
	Lon:	124 ° 32.724	W
Bottom	Lat:	48 ° 28.438	N
	Lon:	124 ° 32.794	W
End	Lat:	48 ° 28.667	N
	Lon:	124 ° 33.001	W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2022-013

Station:

72

Event #: 12

Ship:

Vector

UTC Date (dd|mmm|yyyy):

03/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Ross						Save sheet after printing labels: YES
1		59	Bot-5	✓	183	x	xx	x	x										
2		60	175	✓	175	x	x	x											
3		61	150	✓	151	x	xx		xx										DIC 61B sampled before 61A
4		62	125	✓	125	x	x												
5		63	100	✓	101	x	x		x										
6		64	75	✓	77	xx	x		x										
7		65	50	✓	50	x	x		x										
8		66	40	✓	40	xx	x												
9		67	30	✓	30	x	x		x										
10		68	20	✓	20	x	x		x	x									
11		69	10	✓	10	x	x		x	x									
12		70	5	✓	5	x	x		xx	xx									DIC 70B sampled before 70A
13		71	0	✓	1	x			x										
14		72	0	✓	1		x		x	xx	x	x	xx						
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 19JAN2022

Profile type:

ROS

Watchkeeper(s):

C5

Bottom Depth:

188

Trans Clean:

yes

Fl. Clean:

yes

Par Status:

On

/ Off

Time

UTC

Local

Start

01:41

18:41

Bottom

01:45

18:45

End

02:06

19:06

Positional Information

Lat:

48° 18.592' N

Lon:

124° 04.038' W

Lat:

48° 18.610' N

Lon:

124° 04.034' W

Lat:

48° 18.665' N

Lon:

124° 04.016' W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013 Station: adcp Event #: 18 Ship: Vector UTC Date (dd|mmm|yyyy): 03/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All_Samples				Comments			
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross	Save sheet after printing labels: YES			
1		85	Bot-5	✓ 115	x	x										
2		86	100	✓ 101	x	xx	x									
3		87	75	✓ 76	xx	x										
4		88	50	✓	x	x										
5		89	40	✓	x	x										
6		90	30	✓	x	x										
7		91	20	✓	x	x		xx								
8		92	10	✓	x	x		x								
9		93	5	✓	x	x		x								
10		94	0	✓	x	x		x	xx	x	x	xx				
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS
Watchkeeper(s): SR

Bottom Depth: 120
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off
Time UTC Local
Start 0858 0158
Bottom 0901
End 0918

Positional Information
Start Lat: 48 ° 14.052 N
Lon: 123 ° 18.100 W
Bottom Lat: 48 ° 14.052 N
Lon: 123 ° 18.102 W
End Lat: 48 ° 14.006 N
Lon: 123 ° 18.085 W

Extra comments:

Cruise ID:

2022-013

Station:

65

Event #:

22

Ship:

Vector

UTC Date (dd|mmm|yyyy):

03/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples								Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC										
			✓																
1+2		95	Bot-5	✓	121	x	x												
3		96	100	✓	127	x	x	x											
4		97	75/100	✓		x	x												
5		98	50	✓		x	x												
6		99	40	✓		x	x												
7		100	30	✓		x	x												
8		101	20	✓		x	xx		x										
9		102	10	✓		xx	x		xx										
10		103	5	✓		x	x		x										
11		104	0	✓		x	x		x	xx									
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 19 JAN 2022

Profile type:

ROS

Watchkeeper(s):

Bottom Depth:

126

Trans Clean:

Y

N

FI. Clean:

Y

I

N

Par Status:

On

/

Off

Time

UTC

Local

Start

1147

0447

Bottom

1150

End

1207

Positional Information

Lat:

48 °

15.929

N

Lon:

123 °

9.736

W

Lat:

48 °

15.949

N

Lon:

123 °

9.743

W

Lat:

48 °

15.962

N

Lon:

123 °

9.692

W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All_Samples		Comments	
			Target Pressure	Confirmed ✓	Pressure	Nut-F	CHL	HPLC	DA	Lugol's	Ross					
1		105	20			x	x									
2		106	10			x	xx									
3		107	5			x	x									
4		108	0			xx	x	xx	x	x	xx					
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): SR

Bottom Depth: 164

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1350	0650
Bottom	1353	
End	1402	

Positional Information

Start	Lat: 48 ° 14.458	N
	Lon: 122 ° 58.658	W
Bottom	Lat: 48 ° 14.464	N
	Lon: 122 ° 58.651	W
End	Lat: 48 ° 14.476	N
	Lon: 122 ° 58.698	W

Extra comments:

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID: 2022-013 Station: 62 Event #: 26 Ship: Vector UTC Date (dd|mmm|yyyy): 03/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		All_Samples		Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC					Save sheet after printing labels: YES	
1		109	Bot-5	✓ 144	x	xx									
2		110	125	✓	x	x	x								
3		111	100	✓	x	x									
4		112	75	✓	xx	x									
5		113	50	✓	x	x									
6		114	40	✓	x	x									
7		115	30	✓	x	x									
8		116	20		x	x		xx							
9		117	10		x	x		x							
10		118	5		x	xx		x							
11		119	0		xx	x		x	xx						
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): SR

Bottom Depth:

Trans Clean: (Y) N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1538	0838
Bottom	1541	
End	1558	

Positional Information

Start	Lat: 48° 22.819	N
	Lon: 123° 2.670	W
Bottom	Lat: 48° 22.831	N
	Lon: 123° 2.657	W
End	Lat: 48° 22.820	N
	Lon: 123° 2.653	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2022-013

Station:

56

Event #:

30

Ship:

Vector

UTC Date (dd|mmm|yyyy):

03/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: All_Samples							Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross							
			✓																
1		120	Bot-5	✓	208	xx	x												
2		121	200	✓	200	x	x	x											
3		122	175	✓	175	x	x												
4		123	150	✓	150	x	x												
5		124	125	✓	125	x	x												
6		125	100	✓	100	x	x												
7		126	75	✓	75	x	xx												
8		127	50	✓	50	x	x												
9		128	40	✓	40	x	xx												
10		129	RR 40	✓	40	x	x												modified @ c 40m.
11		130	20	✓	20	xx	x		x										
12		131	10	✓	10	x	x		xx										
13		132	5	✓	5	x	x		x										
14		133	0	✓	1	x	x		x	xx	x	x	xx						
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 19 JAN 2022

Profile type:

ROS

Watchkeeper(s):

CS

Bottom Depth:

211

Trans Clean:

Y

N

FI. Clean:

Y

N

Par Status:

On

/

Off

Time

UTC

Local

Start

21:04

14:04

Bottom

21:08

14:08

End

21:32

14:32

Positional Information

Start

Lat:

48

°

46.400

N

Lon:

123

°

01.598

W

Bottom

Lat:

48

°

46.392

N

Lon:

123

°

01.565

W

End

Lat:

48

°

46.393

N

Lon:

123

°

01.463

W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: 46

Event #: 38

Ship: Vector

UTC Date (dd|mmm|yyyy): 04/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples								Comments
			Target Pressure	Confirmed	OXY	Nut-F	Sal	CHL	HPLC									
			✓	Pressure														
1		134	Bot-5	✓	177	x	xx											
2		135	150	✓	150	x	x	x										
3		136	125	✓	125	x	x											
4		137	100	✓	100	x	x											
5		138	75	✓	75	xx	x											
6		139	50	✓	50	x	x											
7		140	40	✓	40	x	xx											
8		141	30	✓	30	x	x											
9		142	20	✓	20	x	x		x									
10		143	10	✓	10	x	x		x									
11		144	5	✓	5	x	x		xx									
12		145	0	✓	1	xx	x		x	xx								
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Save sheet after printing labels:

YES

Version: 12 JAN 2022

Profile type: ROS

Watchkeeper(s):

Bottom Depth: 123

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	03:02	20:02
Bottom	03:05	20:05
End	03:28	20:28

Positional Information

Lat: 48 ° 51.402	N
Lon: 123 ° 10.832	W

Lat: 48 ° 51.398	N
Lon: 123 ° 10.847	W

Lat: 48 ° 51.389	N
Lon: 123 ° 10.858	W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: 42

Event #: 48

Ship: Vector

UTC Date (dd|mmm|yyyy): 04/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Ross				
1		146	Bot-5	✓ 316	x	x		x									
2		147	300	✓ 301	x	x	x										
3		148	250	✓ 250	x	x	x	x									
4		149	200	✓ 201	x	x	x	x									
5		150	175	✓ 175	xx	x											
6		151	150	✓ 151	x	x		x									
7		152	125	✓ 125	x	x		x									
8		153	100	✓ 100	x	xx		xx									
9		154	75	✓ 75	x	x		x									
10		155	50	✓	x	xx		x									
11		156	40	✓	x	x		x									
12		157	30	✓	xx	x		x									
13		158	20	✓	x	x		xx	x								
14		159	10	✓	x	x		x	xx								
15		160	5	✓	x	x		x	x								
16		161	0	✓	x			x									
17		162	0	✓		x			x	xx	x	x	xx				
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): CO

Bottom Depth: 322

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	06:38	23:38
Bottom	06:44	23:44
End	07:10	

Positional Information

Lat: 49 ° 01.790	N
Lon: 123 ° 26.198	W

Lat: 49 ° 01.739	N
Lon: 123 ° 26.154	W

Lat: 49 ° 1.732	N
Lon: 123 ° 26.140	W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments				
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC						Save sheet after printing labels: YES				
1		163	Bot-5	✓ 377	x	x													
2		164	350	✓	x	xx	x												
3		165	300	✓	x	x	x												
4		166	250	✓	xx	xx	x												
5		167	200	✓	x	x													
6		168	175	✓	x	x													
7		169	150	✓	x	x													
8		170	125	✓	x	x													
9		171	100	✓	x	x													
10		172	75	✓	x	x													
11		173	50	✓	x	x													
12		174	40	✓	x	x													
13		175	30	✓	xx	x													
14		176	20	✓	x	x		xx											
15		177	10	✓	x	x		x											
16		178	5	✓	x	x		x											
17		179	0	✓	x	x		x	xx										
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS

Watchkeeper(s): SR

Bottom Depth: 362

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	16 20	09 20
Bottom	16 29	
End	16 59	

Positional Information

StartLat: 49 ° 9.690 N
Lon: 123 ° 33.065 W

BottomLat: 49 ° 9.655 N
Lon: 123 ° 33.101 W

EndLat: 49 ° 9.788 N
Lon: 123 ° 33.161 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All_Samples				Comments			
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Chito					Save sheet after printing labels: YES			
1		180	350	✓ 351	x			xxxxxx								
2		181	250	✓ 251	x			xxxxxx								
3		182	150	✓ 151	x			xxxxxx								
4		183	50	✓ 50	x			xxxxxx								
5		184	20	✓ 20	x	x		xxxxxx								
6		185	10	✓ 10	xx	x		xxxxxx								
7		186	5	✓ 5	x	x		xxxxxx								
8		187	0	✓ 1	x	xx	xx									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): STR

Bottom Depth: 405

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	18:50	11:50
Bottom	18:57	11:57
End	19:15	12:15

Positional Information

Lat:	49 ° 14.952	N
Lon:	123 ° 44.938	W

Start

Lat:	49 ° 14.914	N
Lon:	123 ° 44.969	W

Bottom

Lat:	49 ° 14.945	N
Lon:	123 ° 44.989	W

End

Extra comments:

Version: 19JAN2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				All_Samples				Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Ross				
1		188	Bot-5	✓ 340	x	x		x									
2		189	300	✓ 300	x	x	x	xx									
3		190	250	✓ 251	x	x	x	x									
4		191	200	✓ 200	x	x	x	x									
5		192	175	✓ 176	x	x											
6		193	150	✓ 150	xx	x											
7		194	125	✓ 125	x	x											
8		195	100	✓ 100	xx	xx											
9		196	75	✓ 75	x	x											
10		197	50	✓ 50	x	x											
11		198	40	✓ 40	x	x											
12		199	30	✓ 30	x	xx											
13		200	20	✓ 20	x	x			xx								
14		201	10	✓ 10	x	x			x								
15		202	5	✓ 5	x	x			x								
16		203	0	✓ 1	x	x			x	xx	x	x	xx				
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): C

Bottom Depth: 349

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	21:48	14:48
Bottom	21:54	14:54
End	22:20	15:20

Positional Information

Start

Lat: 49 ° 19.175 N

Lon: 123 ° 48.103 W

Bottom

Lat: 49 ° 19.162 N

Lon: 123 ° 48.190 W

End

Lat: 49 ° 19.091 N

Lon: 123 ° 48.108 W

Extra comments:

Cruise ID: 2022-013

Station: 24

Event #: 58

Ship: Vector

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

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: All_Samples								Comments	
			Target Pressure	Confirmed ✓ Pressure	Nut-F	CHL	HPLC									Save sheet after printing labels: YES	
1		204	20	✓ 20	x	x											
2		205	10	✓ 10	x	xx											
3		206	5	✓ 5	x	x											
4		207	0	✓ 2	x	x	xx										
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): CW

Bottom Depth: 428

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	02:06	19:06
Bottom	02:14	19:14
End	02:29	19:29

Positional Information

Start

Lat: 49 ° 30.328 N

Lon: 124 ° 05.982 W

Bottom

Lat: 49 ° 30.334 N

Lon: 124 ° 05.977 W

End

Lat: 49 ° 30.324 N

Lon: 124 ° 05.976 W

Extra comments:

Cruise ID: 2022-013

Station: 2

Event #: 68

Ship: Vector

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

Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: All_Samples										Comments				
Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross									Save sheet after printing labels: YES

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross						
1		208	Bot-5	✓ 273	x	x												
2		209	250	✓ 251	x	xx	x											
3		210	200	✓ 200	x	x												
4		211	175	✓ 175	x	x												
5		212	150	✓ 149	xx	x												
6		213	125	✓ 126	x	x												
7		214	100	✓ 100	xx	x												
8		215	75	✓ 75	x	x												
9		216	50	✓ 50	x	xx												
10		217	40	✓ 40	x	x												
11		218	30	✓ 30	x	x												
12		219	20	✓ 20	x	x		x										
13		220	10	✓ 10	x	x		x										
14		221	5	✓ 5	x	x		x										
15		222	0	✓ 1	x	x		xx	xx	x	x	xx						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

222

Nut-F

2

2022-013

0 m

bot 15

← missed 1 CHL,

NO NUT,

Lugol's 3/4 full.

Profile type: ROS

Watchkeeper(s): CO

Bottom Depth: 281

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	03:43	20:43
Bottom	03:48	20:48
End	04:13	21:13

Positional Information

Start

Lat: 49 ° 24.115 N

Lon: 124 ° 09.269 W

Bottom

Lat: 49 ° 24.070 N

Lon: 124 ° 09.283 W

End

Lat: 49 ° 23.983 N

Lon: 124 ° 09.390 W

Extra comments:

Cruise ID: 2022-013

Station: CPF1

Event #: 61

Ship: Vector

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

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: All_Samples										Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC											
1		223	20	✓ 20	x	x												
2		224	10	✓ 10	xx	x												
3		225	5	✓ 5	x	xx												
4		226	0	✓ 1	x	x	xx											
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS

Watchkeeper(s): CW

Bottom Depth: 250

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	05:02	20:02
Bottom	05:06	20:06
End	05:17	20:17

Positional Information

Start

Lat: 49 ° 22.044 N

Lon: 124 ° 04.966 W

Bottom

Lat: 49 ° 22.052 N

Lon: 124 ° 04.972 W

End

Lat: 49 ° 22.044 N

Lon: 124 ° 04.992 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013 Station: 3 Event #: 65 Ship: Vector UTC Date (dd|mmm|yyyy): 04/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC						Save sheet after printing labels: YES				
1		227	Bot-5	✓ 322	x	x													
2		228	300	✓	xx	x	x												
3		229	250	✓	x	x													
4		230	200	✓	x	x													
5		231	175	✓	x	x													
6		232	150	✓	xx	x													
7		233	125	✓	x	xx													
8		234	100	✓	x	xx													
9		235	75	✓	x	x													
10		236	50	✓	x	x													
11		237	40	✓	x	x													
12		238	30	✓	x	x													
13		239	20	✓	x	x		xx											
14		240	10	✓	x	x		x											
15		241	5	✓	x	x		x											
16		242	0	✓	x	x		x	xx										
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS

Watchkeeper(s): SR

Bottom Depth:

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0814	0114
Bottom	0822	
End	0850	

Positional Information

Start

Lat: 49 ° 26.610 N

Lon: 124 ° 20.125 W

Bottom

Lat: 49 ° 26.512 N

Lon: 124 ° 20.126 W

End

Lat: 49 ° 26.501 N

Lon: 124 ° 20.066 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station:

6

Event #:

68

Ship:

Vector

UTC Date (dd|mmm/yyyy):

05/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		All_Samples		Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC					Save sheet after printing labels: YES	
1	1	243	Bot-5	✓ 187.2	x	x									
2	2	244	175	✓ 175.3	x	x	x								
3	3	245	150	✓ 150.4	x	x									
4	4	246	125	✓ 125.0	x	x									
5	5	247	100	✓ 100.5	x	x									
6	6	248	75	✓ 75.1	x	x									
7	7	249	50	✓ 50.6	xx	xx									
8	8	250	40	✓ 40.5	x	x									
9	9	251	30	✓ 30.2	x	x									
10	10	252	20	✓ 20.5	x	xx		xx							
11	11	253	10	✓ 10.1	x	x		x							
12	12	254	5	✓ 5.3	xx	x		x							
13	13	255	0	✓ 1.2	x	x		x	xx						
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): HS / SR

Bottom Depth: 194

Trans Clean: (Y) / N Fl. Clean: (Y) / N

Par Status: On / Off

Time	UTC	Local
Start	10:49	08:49
Bottom	10:51	08:51
End	11:13	

Positional Information

Lat:	49 ° 30.493	N
Lon:	124 ° 27 774	W

Lat:	49 ° 30.492	N
Lon:	124 ° 27.788	W

Lat:	49 ° 30.439	N
Lon:	124 ° 27,815	W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013 Station: 9 Event #: 71 ~~70~~ Ship: Vector UTC Date (dd|mmm|yyyy): 05/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC						Save sheet after printing labels: YES	
1		256	Bot-5	✓ 164	x	x										
2		257	150	✓	x	x	x									
3		258	125	✓	x	x										
4		259	100	✓	x	x										
5		260	75	✓	x	xx										
6		261	50	✓	xx	x										
7		262	40	✓	xx	x										
8		263	30	✓	x	xx										
9		264	20	✓	x	x		xx								
10		265	10	✓	x	x		x								
11		266	5	✓	x	x		x								
12		267	0	✓	x	x		x	xx							
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): SR

Bottom Depth: 170

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1351	0651
Bottom	1357	
End	1415	

Positional Information

Start

Lat: 49 ° 35.507 N

Lon: 124 ° 38.305 W

Bottom

Lat: 49 ° 35.465 N

Lon: 124 ° 38.294 W

End

Lat: 49 ° 35.477 N

Lon: 124 ° 38.263 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013 Station: 12 Event #: 75 Ship: Vector UTC Date (dd|mmm|yyyy): 05/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All_Samples							Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Ross	Chito		Save sheet after printing labels: YES	
1		268	Bot-5	✓ 352	x	xx		x									
2		269	300		x	x	x										
3		270	250		x	x		xx						xxxxxx			
4		271	200		x	x		x									
5		272	175		x	x											
6		273	150		x	x		x						xxxxxx			
7		274	125		x	x		x									
8		275	100		x	x		x									
9		276	75		x	x		x									
10		277	50		x	x		xx						xxxxxx			
11		278	40		x	x		x									
12		279	30		x	x		x									
13		280	20		xx	x		x	x					xxxxxx			
14		281	10		x	x		x	xx					xxxxxx			
15		282	5		x	xx		x	x					xxxxxx			
16		283	0		xx			x									
17		284	0			x			x	xx	x	x	xx				
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): SR

Bottom Depth:

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time

UTC

Local

Start

1642

0942

Bottom

1649

End

1719

Positional Information

Start

Lat: 49 ° 43.644 N

Lon: 124 ° 40.862 W

Bottom

Lat: 49 ° 43.670 N

Lon: 124 ° 40.832 W

End

Lat: 49 ° 43.648 N

Lon: 124 ° 40.838 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: QU39

Event #: 77

Ship: Vector

UTC Date (dd|mmm|yyyy):

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		All_Samples		Comments	
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPLC						
1		301	20	☒ 20	x	xx							
2		302	10	☒ 10	xx	x							
3		303	5	☒ 5	x	x							
4		304	0	☒ 1	x	x	xx						
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS

Watchkeeper(s): CW

Bottom Depth: 274

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	20:26	13:26
Bottom	20:31	13:31
End	20:41	13:41

Positional Information

Start	Lat: 50 ° 01.817	N
	Lon: 125 ° 05.964	W
Bottom	Lat: 50 ° 01.820	N
	Lon: 125 ° 05.947	W
End	Lat: 50 ° 01.832	N
	Lon: 125 ° 05.939	W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013 Station: 16 Event #: 79 Ship: Vector UTC Date (dd|mmm|yyyy): 05/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: All_Samples					Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC						Save sheet after printing labels:	YES
1		305	Bot-5	✓ 149	x	x										
2		306	125	✓ 125	xx	xx	x									
3		307	100	✓ 101	x	x										
4		308	75	✓ 75	x	x										
5		309	50	✓ 50	x	x										
6		310	40	✓ 40	x	x										
7		311	30	✓ 30	x	x										
8		312	20	✓ 20	xx	x		xx								
9		313	10	✓ 10	x	xx		x								
10		314	5	✓ 5	x	x		x								
11		315	0	✓ 1	x	x		x	xx							
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS
Watchkeeper(s): W

Bottom Depth: 154		
Trans Clean:	Y / N	Fl. Clean: Y / N
Par Status: On / Off		
Time	UTC	Local
Start	22:33	15:33
Bottom	22:36	15:36
End	22:56	15:56

Positional Information		
Start	Lat: 49 ° 57.676	N
	Lon: 125 ° 08.873	W
Bottom	Lat: 49 ° 57.673	N
	Lon: 125 ° 08.870	W
End	Lat: 49 ° 57.698	N
	Lon: 125 ° 08.824	W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: 14

Event #: 83

Ship: Vector

UTC Date (dd|mmm|yyyy): 06/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All_Samples				Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Ross						Save sheet after printing labels: YES
1		285	Bot-5	✓ 309	x	x												
2		286	300	✓ 300	x	x	x											
3		287	250	✓ 250	x	x												
4		288	200	✓ 200	x	x												
5		289	175	✓ 175	xx	x												
6		290	150	✓ 150	x	x												
7		291	125	✓ 125	x	x												
8		292	100	✓ 100	x	x												
9		293	75	✓ 75	x	x												
10		294	50	✓ 50	xx	x												
11		295	40	✓ 40	x	x												
12		296	30	✓ 30	x	xx												
13		297	20	✓ 20	x	xx		xx										
14		298	10	✓ 10	x	x		x										
15		299	5	✓ 5	x	x		x										
16		300	0	✓ 1	x	x		x	xx	x	x	xx						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS

Watchkeeper(s):

Bottom Depth: 316

Trans Clean: Y N Fl. Clean: Y N

Par Status: On Off

Time	UTC	Local
Start	01:23	18:23
Bottom	01:29	18:29
End	01:54	18:54

Positional Information

Lat:	49 ° 53.020	N
Lon:	124 ° 59.634	W

Lat:	49 ° 53.022	N
Lon:	124 ° 59.636	W

Lat:	49 ° 53.021	N
Lon:	124 ° 59.686	W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013 Station: 22 Event #: 87 Ship: Vector UTC Date (dd|mmm|yyyy): 06/APR/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples				Comments			
			Target Pressure	Confirmed ✓	Pressure	Nut-F	CHL	HPLC	DA	Lugol's	Ross							Save sheet after printing labels: YES
1		316	20			x	x											
2		317	10			x	xx											
3		318	5			x	x											
4		319	0			x	x	xx	x	x	xx							
5		320	0								xx							NOT used
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS
Watchkeeper(s): CO + SR

Bottom Depth: 356
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off
Time UTC Local
Start 0645 1845
Bottom 0652
End 0704

Positional Information
Start Lat: 49° 40' 199 N
Lon: 124° 16.302 W
Bottom Lat: 49° 40' 196 N
Lon: 124° 16.298 W
End Lat: 49° 40' 199 N
Lon: 124° 16.255 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: GI01

Event #: 91

Ship: Vector

UTC Date (dd|mmm|yyyy): 06/Apr/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All_Samples				Comments			
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC						Save sheet after printing labels: YES			
1		321	20	✓ 20	x	x										
2		322	10		x	xx										
3		323	5		xx	x							Fired at 3.7 by accident			
4		324	0		x	x	xx									
5		323	5		xx	x										
6													bottle 6 fired by accident too.			
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s):

Bottom Depth: 6

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1506	0806
Bottom	1507	
End	1516	

Positional Information

Start	Lat: 48° 45.824	N
	Lon: 123° 20.453	W
Bottom	Lat: 48° 45.829	N
	Lon: 123° 20.424	W
End	Lat: 48° 45.787	N
	Lon: 123° 20.338	W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-013

Station: SC04

Event #:

94

Ship: Vector

UTC Date (dd|mmm|yyyy):

06

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All_Samples						Comments
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPLC	Lugol's	DA	Ross							
1		325	20	☒	x	xx											
2		326	10	☒	x	x											
3		327	5	☒	x	x											
4		328	0	☒	xx	x	xx	x	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

Watchkeeper(s):

SR

Bottom Depth:

81

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1613 0913

Bottom 1615

End 1622

Positional Information

Lat: 48 ° 43.544 N

Lon: 123 ° 24.805 W

Lat: 48 ° 43.541 N

Lon: 123 ° 24.790 W

Lat: 48 ° 43.513 N

Lon: 123 ° 24.702 W

Extra comments: