

Water Properties Group

Rosette Log

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

Cruise ID: 2012 04 Station: SI Event #: 2 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	1			100	✓ 100			✓								
2	2			75	✓ 75											
3	3			50	✓ 50											
4	4			40	✓ 40											
5	5			30	✓ 30	✓										
6	6			20	✓ 20		✓		✓✓							
7	7			10	✓ 10				✓✓							
8	8			5	✓ 5											
9	9			sfc	✓ .6				✓✓							
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Shayne

Bottom Depth: 187 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	2308	1608
Bottom	2311	1611
End	2319	1619

Positional Information

Start

Lat: 48 ° 39.20 N

Lon: 123 ° 30.18 W

Bottom

Lat: 48 ° 39.21 N

Lon: 123 ° 30.18 W

End

Lat: 48 ° 39.23 N

Lon: 123 ° 30.18 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012 04 Station: 59 Event #: 4 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NH ₄ DIC	pH			
1	10			6.5	✓ 221					✓	✓			
2	11			200	✓ 200			✓		✓	✓			
3	12			175	✓ 175		✓				✓			
4	13			150	✓ 150	✓					✓✓			
5	14			125	✓ 125						✓			
6	15			100	✓ 100					✓	✓			
7	16			75	✓ 75						✓			
8	17			50	✓ 50					✓	✓			
9	18			40	✓ 40		✓				✓			
10	19			30	✓ 30						✓			
11	20			20	✓ 20	✓			✓✓	✓✓	✓			
12	21			10	✓ 10				✓✓	✓	✓			
13	22			5	✓ 5						✓✓			
14	23			8fc	✓ 0.5				✓✓	✓	✓			
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RS/SR/LS

Bottom Depth: 228 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0152	1852
Bottom	0158	1858
End	0212	1912

Positional Information

Start

Lat: 48 ° 37.76 N

Lon: 123 ° 14.64 W

Bottom

Lat: 48 ° 37.81 N

Lon: 123 ° 14.67 W

End

Lat: 48 ° 37.81 N

Lon: 123 ° 14.74 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 102 Event #: 8 Ship: VECTOR UTC Date (dd|mmm|yyyy): 6 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄ DIC	pH			
1	24			6-5	✓ 245					✓				
2	25			200	✓			✓		✓✓	✓✓			
3	26			175	✓									
4	27			150	✓		✓							
5	28			125	✓	✓								
6	29			100	✓					✓				
7	30			75	✓									
8	31			50	✓					✓				
9	32			40	✓									
10	33			30	✓						✓✓			
11	34			20	✓		✓		✓✓	✓				
12	35			10	✓	✓			✓✓	✓				
13	36			5	✓									
14	37			SPC	✓				✓✓	✓				
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.M/S.M/G.C.

Bottom Depth: 252 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1341	
Bottom	1346	
End	1401	

Positional Information

Start Lat: 48 ° 30.03 N
Lon: 124 ° 44.11 W

Bottom Lat: 48 ° 30.03 N
Lon: 124 ° 44.11 W

End Lat: 48 ° 29.92 N
Lon: 124 ° 44.37 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 75 Event #: 11 Ship: VECTOR UTC Date (dd|mmm|yyyy): 6 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	38			B-5	☒ 210	☒										
2	39			200	☒		☒	☒								
3	40			175	☒											
4	41			150	☒											
5	42			125	☒	☒										
6	43			100	☒											
7	44			75	☒											
8	45			50	☒		☒									
9	46			40	☒											
10	47			30	☒											
11	48			20	☒				☒							
12	49			10	☒	☒			☒							
13	50			5	☒											
14	51			SFC	☒	☒	☒		☒							
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): W.N./S.M./G.C.

Bottom Depth: 220 m

Transmisso Cleaned: (Y) 1 N

Time	UTC	Local
Start	1646	
Bottom	1650	
End	1705	

Positional Information

Start

Lat: 48 ° 28.24 N

Lon: 124 ° 32.76 W

Bottom

Lat: 48 ° 28.22 N

Lon: 124 ° 32.87 W

End

Lat: 48 ° 28.19 N

Lon: 124 ° 33.18 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 72 Event #: 14 Ship: VECTOR UTC Date (dd|mmm|yyyy): 6 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken											Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	ph ₈	DIC	PH					
1	52			B-5	☒	184	☒				☒	☒					
2	53			175	☒	175	☒					☒					
3	54			150	☒	150	☒										
4	55			125	☒	125	☒					☒	☒				
5	56			100	☒	100	☒	☒			☒	☒					
6	57			75	☒	75	☒					☒					
7	58			50	☒	50	☒				☒	☒	☒				
8	59			40	☒	40	☒					☒					
9	60			30	☒	30	☒					☒					
10	61			20	☒	20	☒		☒		☒	☒					
11	62			10	☒	10	☒		☒		☒	☒					
12	63			5	☒	5	☒					☒					
13	64			SFC	☒	0.8	☒		☒	☒	☒	☒					
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): 10/82/KS

Bottom Depth: 188 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2046	1346
Bottom	2050	1350
End	2103	1403

Positional Information

Start

Lat: 48 ° 18.56 N

Lon: 124 ° 3.90 W

Bottom

Lat: 48 ° 18.57 N

Lon: 124 ° 3.75 W

End

Lat: 48 ° 18.38 N

Lon: 124 ° 3.24 W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 69 Event #: 17 Ship: Vector UTC Date (dd|mmm|yyyy): 06 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	65			B-5	☒ 165											
2	66			150	☒ 150											
3	67			125	☒ 130											
4	68			100	☒ 100	XX										
5	69			75	☒ 75		XX									
6	70			50	☒ 50											
7	71			40	☒ 40											
8	72			30	☒ 30											
9	73			20	☒ 20	XX										
10	74			10	☒ 10		XX		✓✓							
11	75			5	☒ 5				✓✓							
12	76			surf	☒ 0.53	✓	✓		✓✓							
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): PC/8R

Bottom Depth: 172 m

Transmisso Cleaned: ☒ Y ☐ N

	Time	UTC	Local
Start		2337	1637
Bottom		2341	1641
End		2353	1653

Positional Information

Start
 Lat: 48 ° 15.50 N
 Lon: 123 ° 43.09 W

Bottom
 Lat: 48 ° 15.35 N
 Lon: 123 ° 42.98 W

End
 Lat: 48 ° 15.03 N
 Lon: 123 ° 42.50 W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹
 Std Value: _____ mL * L⁻¹
 *Date Run: ____ | ____ | ____
 Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: ADCP Event #: 20 Ship: VECTOR UTC Date (dd|mmm|yyyy): 07 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	77			5-5	☒ 114											
2	78			100	☒ 100			✓								
3	79			75	☒ 75											
4	80			50	☒ 50											
5	81			40	☒ 40	✓										
6	82			30	☒ 30		✓									
7	83			20	☒ 20				✓✓							
8	84			10	☒ 10				✓✓							
9	85			5	☒ 5											
10	86			sfc	☒ 0.5				✓✓							
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RSR KS

Bottom Depth: 118 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0251	1951
Bottom	0255	1955
End	0303	2003

Positional Information

Start Lat: 48 ° 13.96 N
Lon: 123 ° 18.10 W

Bottom Lat: 48 ° 13.96 N
Lon: 123 ° 18.14 W

End Lat: 48 ° 13.96 N
Lon: 123 ° 18.22 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012 04 Station: 65 Event #: 24 Ship: VECTOR UTC Date (dd|mmm|yyyy): 07 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	87			6-5	☒	122										
2	88			100	☒	100										
3	89			75	☒	76										
4	90			50	☒	50										
5	91			40	☒	40										
6	92			30	☒	30										
7	93			20	☒	20										
8	94			10	☒	10										
9	95			5	☒	5										
10	96			sfc	☒	0.6										
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
P. SR KS GC

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0600	2300
Bottom	0602	2302
End		

Positional Information

Lat:	48 °	15.86	N
Lon:	123 °	9.90	W

Bottom

Lat:	48 °	15.80	N
Lon:	123 °	9.90	W

End

Lat:	48 °	15.60	N
Lon:	123 °	9.80	W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 62 Event #: 27 Ship: Vector UTC Date (dd|mmm|yyyy): 7 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	97			B-5	☒ 143											
2	98			125	☒											
3	99			100	☒			☒								
4	100			75	☒	XX										
5	101			50	☒		XX									
6	102			40	☒											
7	103			30	☒											
8	104			20	☒				☒	☒						
9	105			10	☒				☒	☒						
10	106			5	☒				☒	☒						
11	107			Surf	☒	↓	↓		☒	☒						
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M / S.M

Bottom Depth: 150 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0834	
Bottom	0837	
End	0847	

Positional Information
Start
Lat: 48 ° 22.80 N
Lon: 123 ° 02.56 W

Bottom
Lat: 48 ° 22.81 N
Lon: 123 ° 02.61 W

End
Lat: 48 ° 22.93 N
Lon: 123 ° 02.63 W

Oxygen Info For This Cast
Blank Value: _____ mL * L⁻¹
Std Value: _____ mL * L⁻¹
*Date Run: ____ | ____ | ____
Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 56 Event #: 32 Ship: VECTOR UTC Date (dd|mmm|yyyy): 7 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	108			B-5	☒ 213	☒	☒									
2	109			200	☒			☒								
3	110			175	☒											
4	111			150	☒	☒										
5	112			125	☒											
6	113			100	☒											
7	114			75	☒											
8	115			50	☒											
9	116			40	☒		☒									
10	117			30	☒											
11	118			20	☒				☒							
12	119			10	☒				☒							
13	120			5	☒				☒							
14	121			SFC	☒	☒	☒		☒							
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M / S.M

Bottom Depth: 212 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1403	
Bottom	1407	
End	1420	

Positional Information

Start Lat: 48 ° 46.39 N
Lon: 123 ° 01.64 W

Bottom Lat: 48 ° 46.27 N
Lon: 123 ° 01.70 W

End Lat: 48 ° 46.03 N
Lon: 123 ° 01.93 W

Oxygen Info For This Cast

Blank Value: mL * L⁻¹

Std Value: mL * L⁻¹

*Date Run: | |

Analyst:

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 46 Event #: 42 Ship: VECTOR UTC Date (dd|mmm|yyyy): 7 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	122			B-5	☒ 176	1	1									
2	123			150	☒ 150	1	1	✓								
3	124			125	☒ 125	1	1									
4	125			100	☒ 100	1	1									
5	126			75	☒ 75	✓	1									
6	127			50	☒ 50	1	1									
7	128			40	☒ 40	1	1									
8	129			30	☒ 30	1	1									
9	130			20	☒ 20		✓		✓✓							
10	131			10	☒ 10		1		✓✓							
11	132			5	☒ 5	1	1									
12	133			SFC	☒ 0.5	1	1		✓✓							
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
47/51

Bottom Depth: 179 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2050	1350
Bottom	2053	1353
End	2105	1405

Positional Information

Start

Lat: 48 ° 51.40 N

Lon: 123 ° 10.88 W

Bottom

Lat: 48 ° 51.36 N

Lon: 123 ° 11.02 W

End

Lat: 48 ° 51.25 N

Lon: 123 ° 11.27 W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012 04 Station: 42 Event #: 46 Ship: VECTOR UTC Date (dd|mmm|yyyy): 08 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄	pH			
1	134			5-5	✓ 315					✓				
2	135			300	✓ 300			✓						
3	136			250	✓ 250						✓			
4	137			200	✓ 200		✓			✓				
5	138			175	✓ 175	✓								
6	139			150	✓ 150									
7	140			125	✓ 125									
8	141			100	✓ 100					✓				
9	142			75	✓ 75									
10	143			50	✓ 50					✓				
11	144			40	✓ 40		✓							
12	145			30	✓ 30	✓								
13	146			20	✓ 20				✓	✓	✓			
14	147			10	✓ 10				✓	✓				
15	148			5	✓ 5									
16	149			sfc	✓ 0.4				✓	✓				
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): PCSR KS GC

Bottom Depth: 320 m

Transmisso Cleaned: Y / N

	UTC	Local
Time Start	0032	1732
Bottom	0039	1739
End	0056	1756

Positional Information

Start Lat: 49 ° 1.79 N
Lon: 123 ° 26.22 W

Start

Bottom Lat: 49 ° 1.73 N
Lon: 123 ° 26.19 W

Bottom

End

End Lat: 49 ° 1.55 N
Lon: 123 ° 26.11 W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 39 Event #: 51 Ship: Vector UTC Date (dd|mmm|yyyy): 08 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄ phg				
1	150			B-5	✓	377								
2	151			350	✓	350			X					
3	152			300	✓	300								
4	153			250	✓	250		XX						
5	154			200	✓	200	XX							
6	155			175	✓	175								
7	156			150	✓	150								
8	157			125	✓	125								
9	158			100	✓	100								
10	159			75	✓	75								
11	160			50	✓	50		XX						
12	161			40	✓	40	XX							
13	162			30	✓	30								
14	163			20	✓	20			XX					
15	164			10	✓	10			XX					
16	165			5	✓	5								
17	166			Surf	✓	0.5	↓	↓	XX	X				
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): R SR KS

Bottom Depth: 384 m

Transmisso Cleaned: ☒ Y / N

	UTC	Local
Time		
Start	0541	2241
Bottom	0550	2250
End	0607	2307

Positional Information

Start	Lat: 49 ° 9.37	N
	Lon: 123 ° 32.94	W

Bottom	Lat: 49 ° 9.32	N
	Lon: 123 ° 32.88	W

End	Lat: 49 ° 9.31	N
	Lon: 123 ° 32.80	W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04

Station: 3

Event #: 61

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 8 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	199			318	✓	B-5		✓								
2	200			300	✓			✓								
3	201			250	✓											
4	202			200	✓											
5	203			175	✓			✓								
6	204			150	✓											
7	205			125	✓											
8	206			100	✓											
9	207			75	✓											
10	208			50	✓											
11	209			40	✓											
12	210			30	✓											
13	211			20	✓				✓✓							
14	212			10	✓				✓✓							
15	213			5	✓											
16	214			SFC	✓				✓✓							
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HM/SN

Bottom Depth: 323 m

Transmisso Cleaned: (Y) I N

	Time	UTC	Local
Start		1601	0901
Bottom		1607	
End		1623	

Positional Information

Start Lat: 49 ° 26.60 N
Lon: 124 ° 20.18 W

Bottom Lat: 49 ° 26.60 N
Lon: 124 ° 20.19 W

End Lat: 49 ° 26.60 N
Lon: 124 ° 20.18 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 6 Event #: 63 Ship: VECTOR UTC Date (dd|mmm|yyyy): 8 | 4 | 12

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	215			185	✓ B-5	✓	✓									
2	216			175	✓			✓								
3	217			150	✓											
4	218			125	✓											
5	219			100	✓											
6	220			75	✓											
7	221			50	✓											
8	222		40	40	✓											
9	223		40	30	✓											
10	224		30	20	✓				✓✓							
11	225		20	10	✓				✓✓							
12	226		10	5	✓				✓✓							
13	227		5	SFC	✓	✓	✓		✓✓							
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

14 bottles fixed. Best 8 were 19:
223 - 40
224 - 30
225 - 20
226 - 10
227 - 5

Watchkeeper(s): W/Sa

Bottom Depth: 190 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	1757	1057
Bottom	1801	
End	1812	

Positional Information
Start Lat: 49 ° 30.59 N
Lon: 124 ° 27.81 W

Bottom Lat: 49 ° 30.59 N
Lon: 124 ° 27.80 W

End Lat: 49 ° 30.57 N
Lon: 124 ° 27.77 W

Oxygen Info For This Cast
Blank Value: mL • L⁻¹
Std Value: mL • L⁻¹
*Date Run: | |
Analyst:

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 9 Event #: 67 Ship: VECTOR UTC Date (dd|mmm|yyyy): 08 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	228			B-5	☒ 161		☒									
2	229			150	☒ 150			☒								
3	230			125	☒ 125											
4	231			100	☒ 100											
5	232			75	☒ 75											
6	233			56	☒ 50											
7	234			40	☒ 40											
8	235			30	☒ 30		☒									
9	236			20	☒ 20				✓✓							
10	237			10	☒ 10				✓✓							
11	238			5	☒ 5											
12	239			SFC	☒ 0.4		☒		✓✓							
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): 10 SR KS

Bottom Depth: 167 m

Transmisso Cleaned: ☒ Y / N

	UTC	Local
Time Start	2055	1355
Bottom	2100	1400
End		

Positional Information

Start Lat: 49 ° 35.47 N
Lon: 124 ° 38.29 W

Bottom Lat: 49 ° 35.47 N
Lon: 124 ° 38.29 W

End Lat: 49 ° 35.44 N
Lon: 124 ° 38.32 W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04

Station: 12

Event #: 70

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 08 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄ DIC	pH			
1	240			5-5	☒ 349					X				
2	241			300	☒ 300			X						
3	242			250	☒ 250									
4	243			200	☒ 200					X				
5	244			175	☒ 175		XX							
6	245			150	☒ 150	XX					XXX			
7	246			125	☒ 125									
8	247			100	☒ 100					X				
9	248			75	☒ 75									
10	249			50	☒ 50					XX				
11	250			40	☒ 40									
12	251			30	☒ 30		XX				XXX			
13	252			20	☒ 20	XX			XX	X				
14	253			10	☒ 10				XX	X				
15	254			5	☒ 5									
16	255			sfc	☒ 0.5				XX	X				
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): R. S. K. S. G. C.

Bottom Depth: 356 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2300	1600
Bottom	2306	1606
End	2322	1622

Positional Information

Start
Lat: 49 ° 43.58 N
Lon: 124 ° 40.81 W

Bottom
Lat: 49 ° 43.59 N
Lon: 124 ° 40.81 W

End
Lat: 49 ° 43.55 N
Lon: 124 ° 40.80 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

*Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 14 Event #: 72 Ship: VECTOR UTC Date (dd|mmm|yyyy): 09 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH₄ DIC	PH			
1	256			6-5	☒	310				X				
2	257			250	☒	250		X			xxx			
3	258			200	☒	200				X				
4	259			175	☒	175		xx						
5	260			150	☒	150	xx							
6	261			125	☒	125								
7	262			100	☒	100				xx				
8	263			75	☒	75					xxx			
9	264			50	☒	50		xx		X				
10	265			40	☒	40								
11	266			30	☒	30	xx							
12	267			20	☒	20			xx	X				
13	268			10	☒	10			xx	X				
14	269			5	☒	5								
15	270			sfc	☒	0.3			xx	X				
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s):
PC SR KS GC

Bottom Depth: 316 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0128	1828
Bottom	0135	1835
End		

Positional Information

Start

Lat: 49 ° 52.99 N

Lon: 124 ° 59.61 W

Bottom

Lat: 49 ° 53.00 N

Lon: 124 ° 59.59 W

End

Lat: 49 ° 53.00 N

Lon: 124 ° 59.61 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2012-04 Station: 16 Event #: 75 Ship: Vector UTC Date (dd|mmm|yyyy): 09 | APR | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	271			B-5	✓ 152											
2	272			125	✓ 125			X								
3	273			100	✓ 100											
4	274			75	✓ 75											
5	275			50	✓ 50		XX									
6	276			40	✓ 40											
7	277			30	✓ 30	XX										
8	278			20	✓ 20				XX							
9	279			10	✓ 10				XX							
10	280			5	✓ 5				XX							
11	281			surf	✓ 0.5	↓	↓		XX							
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KE SR KS

Bottom Depth: 155 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	0455	2155
Bottom	0458	2158
End	0507	2207

Positional Information

Start Lat: 49 ° 57.69 N
Lon: 125 ° 8.79 W

Start

Bottom Lat: 49 ° 57.67 N
Lon: 125 ° 8.79 W

Bottom

End Lat: 49 ° 57.65 N
Lon: 125 ° 9.17 W

End

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible