

Water Properties Group

Rosette Log

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

Cruise ID: 2009-34

Station: T21

Event #: 001

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 09

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	2014	5.527	B-2	✓ 196	✓								
2	2			B-4	✓ 194									
3	3			B-6	✓ 192									
4	4			150	✓									
5	5			100	✓									
6	6	459	5.116	50	✓	✓								
7	7			25	✓									
8	8	2033	6.163	10	✓	✓								
9	9	2092	—	5		✓								
10	10	3157	—	0		✓								END POINT TOO EARLY
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): _____

Bottom Depth: 198 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	18 16	
Bottom	18 20	
End	18 32	

Positional Information

Start
Lat: 48 ° 54 37 N
Lon: 123 ° 16 54 W

Bottom
Lat: 48 ° 54 38 N
Lon: 123 ° 16 02 W

End
Lat: 48 ° 54 34 N
Lon: 123 ° 16 02 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: 2009-034

Station: T22

Event #: 002

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 09

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	11	3063	5.327	B-2	✓ 189	✓										
2	12			B-4	✓ 187											
3	13			B-6	✓ 185											
4	14			150	✓											
5	15			100	✓											
6	16	3206	5.013	50	✓	✓										
7	17			25	✓											
8	18	3135	6.259	10	✓	✓										
9	19	3077	—	5	✓	✓										
10	20	3094	—	0	✓	✓										
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 192 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1913	
Bottom	1918	
End	1932	

Positional Information

Start
Lat: 48 ° 53.78 N
Lon: 123 ° 19.00 W

Bottom
Lat: 48 ° 55 73 N
Lon: 123 ° 18 95 W

End
Lat: 48 ° 55 59 N
Lon: 123 ° 18 .84 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: 2009-034

Station: TZ 3

Event #: 003

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 09

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	21	3196	4.943	B-2	✓ 198	✓								
2	22			B-4	✓ 196									
3	23			B-6	✓ 194									
4	24			175	✓									
5	25			150	✓			✓						
6	26			100	✓									
7	27	3084	5.148	50	✓	✓								
8	28			25	✓									
9	29	1365	6.246	10	✓	✓								
10	30	2055	/	5	✓	✓								
11	31	371	/	0	✓	✓								END POINT TO EARLY
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): HM

Bottom Depth: 201 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1953	
Bottom		
End		

Positional Information

Start
Lat: 48 ° 57 .13 N
Lon: 123 ° 20 75 W

Bottom
Lat: 48 ° 57 N
Lon: 123 ° 20 W

End
Lat: 48 ° 57 N
Lon: 123 ° 20 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: 2009-034

Station: T24

Event #: 004

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 09

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	32	557	3.823	B-2	☒	232	☒							
2	33			B-4	☒	229								
3	34			B-6	☒	227								
4	35			175	☒									
5	36			150	☒									
6	37			100	☒									
7	38	632	5.161	50			☒							
8	39			25										
9	40	1085	7.025	10			☒							
10	41	605	/	5			☒							END POINT TOO EARLY
11	42	559	/	0			☒							
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.N.

Bottom Depth: 237 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2032	
Bottom	2039	
End	2051	

Positional Information

Start
 Lat: 48 ° 58.65 N
 Lon: 123 ° 22.34 W

Bottom
 Lat: 48 ° 58.59 N
 Lon: 123 ° 22.22 W

End
 Lat: 48 ° 58.52 N
 Lon: 123 ° 22.12 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: 2009-034

Station: T25

Event #: 005

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 2009

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	43	2064	3.592	B-2	✓ 277	✓										
2	44			B-4	✓ 275											
3	45			B-6	✓ 273											
4	46			250	✓											
5	47			200	✓											
6	48			175	✓											
7	49			150	✓			✓								
8	50			100	✓											
9	51	3024	5.053	50	✓	✓										
10	52			25	✓											
11	53	3098	8.127	10	✓	✓										
12	54	3075	—	5	✓	✓										
13	55	3006	—	0	✓	✓										
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): W.M.

Bottom Depth: 282 m

Transmissio Cleaned: B / N

Time	UTC	Local
Start	2112	
Bottom	2120	
End	2136	

Positional Information

Start
Lat: 48 ° 59.94 N
Lon: 123 ° 24.26 W

Bottom
Lat: 48 ° 59.90 N
Lon: 123 ° 24.16 W

End
Lat: 48 ° 59.86 N
Lon: 123 ° 24.04 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: 2009-034

Station: T26

Event #: 006

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 2009

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	56	3171	4.595	B-2	✓ 311	✓								
2	57			B-4	✓ 309									
3	58			B-6	✓ 307									
4	59			250	✓									
5	60			200	✓									
6	61			175	✓									
7	62			150	✓			✓						
8	63			100	✓									
9	64	3057	5.155	50	✓	✓								
10	65			25	✓									
11	66	3055	8.142	10	✓	✓								} END POINT TO EARLY O ₂ > 10
12	67	3203	—	5		✓								
13	68	3018	—	0		✓								
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): _____

Bottom Depth: 314 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2155	
Bottom	2203	
End	2221	

Positional Information

Start Lat: 49 ° 01.41 N

Lon: 123 ° 25.73 W

Bottom Lat: 49 ° 01 38 N

Lon: 123 ° 25 63 W

End Lat: 49 ° 01 30 N

Lon: 123 ° 25 31 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: 2009-034

Station: T27

Event #: 007

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 2009

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	69	3012	4.400	B-2	✓ 320	✓										
2	70			B-4	✓											
3	71			B-6	✓											
4	72			300	✓											
5	73			250	✓											
6	74			200	✓											
7	75			175	✓											
8	76			150	✓											
9	77			100	✓											
10	78	3124	5.155	50	✓	✓										
11	79			25	✓											
12	80	2007	7.622	10	✓	✓										
13	81	2015	—	5	✓	✓										
14	82	2099	—	0	✓	✓										END AT TO EARLY O ₂ > 10m/l
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 322 m

Transmissio Cleaned: (Y) / N

Time	UTC	Local
Start	2241	
Bottom	2249	
End	2308	

Positional Information

Start Lat: 49 ° 02.99 N
Lon: 123 ° 27.24 W

Bottom Lat: 49 ° 02.97 N
Lon: 123 ° 27.24 W

End Lat: 49 ° 02.93 N
Lon: 123 ° 27.27 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: 2009-0311

Station: T24.5B

Event #: 009

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 2009

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	83			B-2	✓ 258											
2	84			B-4	✓											
3	85			B-6	✓											
4	86			250	✓											
5	87			200	✓											
6	88			175	✓											
7	89			150	✓											
8	90			100	✓											
9	91			50	✓											
10	92			25	✓											
11	93			10	✓											
12	94			5	✓											
13	95			0	✓											
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 259 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0043	
Bottom	0050	
End	0105	

Positional Information

Start	Lat: 48 ° 59.48	N
	Lon: 123 ° 22.88	W
▼		
Bottom	Lat: 48 ° 59.49	N
	Lon: 123 ° 22.95	W
▼		
End	Lat: 48 ° 59.50	N
	Lon: 123 ° 22.94	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: 2009-034

Station: B52

Event #: 010

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	96	2064	5.699	B-2	✓ 34	✓								
2	97			B-4	✓									
3	98			B-6	✓									
4	99			20	✓									
5	100	3024	6.093	10	✓	✓								
6	101			5	✓									
7	102			0	✓									
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.M.

Bottom Depth: 36 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1408	
Bottom	1416	
End		

Positional Information

Start Lat: 49 ° 38.43 N
Lon: 124 ° 53.67 W

Bottom Lat: 49 ° 38.44 N
Lon: 124 ° 53.66 W

End Lat: ° N
Lon: ° 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: 2011-34

Station: B51

Event #: 011

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	103	3098	5.847	B-2	✓ 20	✓								
2	104			B-4	✓									
3	105			B-6	✓									
4	106	3075	5.782	10	✓	✓								
5	107			5										
6	108			0										
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): HM

Bottom Depth: 18.8 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		1433	
Bottom		1435	
End		1441	

Positional Information

Start Lat: 49 ° 38 ' 89 N
Lon: 124 ° 52 ' 73 W

Bottom Lat: 49 ° 38 ' 89 N
Lon: 124 ° 52 ' 73 W

End Lat: 49 ° 38 ' 89 N
Lon: 124 ° 52 ' 71 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: 2009-34

Station: B5 3

Event #: 012

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	109	3006	5.385	B-2	✓ 20	✓										
2	110			B-4	✓											
3	111			B-4												
4	112	3171	5.359	10	✓	✓										
5	113			5	✓											
6	114			0	✓											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 22 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1457	
Bottom	1459	
End	1504	

Positional Information
 Lat: 49 ° 37.89 N
 Lon: 124 ° 54.55 W

▼
Bottom
 Lat: 49 ° 37.90 N
 Lon: 124 ° 54.56 W

▼
End
 Lat: 49 ° 37.89 N
 Lon: 124 ° 54.56 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: 2009-34

Station: B54

Event #: 013

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	115			B-2	✓ 22											
2	116			B-4	✓											
3	117			10												
4	118			5												
5	119			0												
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H. M.

Bottom Depth: 23 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1527	
Bottom	1529	
End	1535	

Positional Information

Start Lat: 49 ° 36 20 N
Lon: 124 ° 50 36 W

Bottom Lat: 49 ° 36 20 N
Lon: 124 ° 50 36 W

End Lat: 49 ° 36 18 N
Lon: 124 ° 50 38 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: 2009/34Station: BS 5Event #: 014Ship: VECTORUTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	120			B-2	✓ 41									
2	121			B-4	✓ 39									
3	122			B-6	✓									
4	123			30	✓									
5	124			20	✓									
6	125			10	✓									
7	126			5	✓									
8	127			0	✓									
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H M.Bottom Depth: 43 mTransmisso Cleaned: Y / N

Time	UTC	Local
Start	1545	
Bottom	1547	
End	1554	

Positional Information

Start
Lat: 49 ° 35.85 N
Lon: 124 ° 51.60 WBottom
Lat: 49 ° 35.84 N
Lon: 124 ° 51.66 WEnd
Lat: 49 ° 35.86 N
Lon: 124 ° 51.59 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹Std 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: 2009-34

Station: BS6

Event #: 015

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	128			B-2	✓ 27											
2	129			B-4	✓											
3	130			B-6	✓											
4	131			20	✓											
5	132			16	✓											
6	133			5	✓											
7	134			0	✓											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.A.

Bottom Depth: 29 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1606	
Bottom	1608	
End	1614	

Positional Information

Start Lat: 49 ° 35.64 N
Lon: 124 ° 52.59 W

Bottom Lat: 49 ° 35.64 N
Lon: 124 ° 52.59 W

End Lat: 49 ° 35.66 N
Lon: 124 ° 52.58 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: 2009-34 Station: BS 7 Event #: 016 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	135	3057	5.166	B-2	✓	26	✓										
2	136			B-4	✓												
3	137			B-6	✓												
4	138	3055	5.627	10	✓		✓										
5	139			5	✓												
6	140			0	✓												
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 28 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1634	
Bottom	1636	
End	1642	

Positional Information

Start Lat: 49 ° 34.00 N
Lon: 124 ° 52.31 W

Bottom Lat: 49 ° 33.99 N
Lon: 124 ° 52.32 W

End Lat: 49 ° 33.97 N
Lon: 124 ° 52.33 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: 2009-34

Station: BS 8

Event #: 017

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	141	3203	5.792	B-2	✓ 46	✓										
2	142			B-4	✓											
3	143			B-6	✓											
4	144			20	✓											
5	145	3018	6.408	10	✓	✓										
6	146			5	✓											
7	147			0	✓											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 50 m

Transmisso Cleaned: DI N

	Time	UTC	Local
Start		1653	
Bottom		1655	
End		1702	

Positional Information

Start Lat: 49 ° 34.15 N
Lon: 124 ° 51.55 W

Bottom Lat: 49 ° 34.15 N
Lon: 124 ° 51.55 W

End Lat: 49 ° 34.14 N
Lon: 124 ° 51.55 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: 2009-34

Station: BS 9

Event #: 018

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	148	3012	6.517	B-2	√ 28	✓										
2	149			B-4	√											
3	150			B-6	√											
4	151	3124	6.544	10	√	✓										
5	152			5	√											
6	153			0	√											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 27 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1712	
Bottom	1714	
End	1721	

Positional Information

Start Lat: 49 ° 34.39 N
Lon: 124 ° 50.96 W

Bottom Lat: 49 ° 34.40 N
Lon: 124 ° 50.97 W

End Lat: 49 ° 34.40 N
Lon: 124 ° 50.94 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: 2009-34

Station: B510

Event #: 019

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 19 | 04 | 09

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	154			B-2	✓ 19.0											
2	155			B-4	✓											
3	156			B-6	✓											
4	157			10	✓											
5	158			5	✓											
6	159			0	✓											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1751	
Bottom	1753	
End	1758	

Positional Information

Start
 Lat: 49 ° 32.01 N
 Lon: 124 ° 51.03 W

Bottom
 Lat: 49 ° 32.02 N
 Lon: 124 ° 51.03 W

End
 Lat: 49 ° 32.00 N
 Lon: 124 ° 51.03 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: 2009-34 Station: BS11 Event #: 020 Ship: Vector UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	160			B-2	✓	45											
2	161			B-4	✓												
3	162			B-6	✓												
4	163			20	✓												
5	164			10	✓												
6	165			5	✓												
7	166			0	✓												
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 47 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start	1806	
Bottom	1808	
End	1815	

Positional Information

Start
Lat: 49 ° 32.20 N
Lon: 124 ° 50 43 W

Bottom
Lat: 49 ° 32 21 N
Lon: 124 ° 50 44 W

End
Lat: 49 ° 32 17 N
Lon: 124 ° 50 45 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: 2009-34 Station: BS 12 Event #: 021 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	167			B-2	✓ 32									
2	168			B-4	✓									
3	169			B-6	✓									
4	170			10	✓									
5	171			5	✓									
6	172			0	✓									
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.M.

Bottom Depth: 39 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1822	
Bottom	1825	
End	1831	

Positional Information

Start Lat: 49 ° 32.37 N
Lon: 124 ° 50.06 W

Bottom Lat: 49 ° 32.33 N
Lon: 124 ° 50.00 W

End Lat: 49 ° 32.35 N
Lon: 124 ° 50.14 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: 2009-34 Station: BS 13 Event #: 022 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	173	2007	6.149	B-2	☒ 44	☒										
2	174			B-4	☒											
3	175			B-6	☒											
4	176	2015	6.853	10	☒	☒										
5	177			5	☒											
6	178			0	☒											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 46 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Time Start	1920	
Bottom	1923	
End	1928	

Positional Information

Start Lat: 49 ° 31.36 N
Lon: 124 ° 48.47 W

Bottom Lat: 49 ° 31.36 N
Lon: 124 ° 48.46 W

End Lat: 49 ° 31.36 N
Lon: 124 ° 48.46 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: 2009-34 Station: BS 14 Event #: 623 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	179	2099	5.728	B-2	☒ 47	☒										
2	180			B-4	☒											
3	181			B-6	☒											
4	182			20	☒											
5	183	2035	6.898	10	☒	☒										
6	184			5	☒											
7	185			0	☒											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 48 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1941	
Bottom	1943	
End	1949	

Positional Information

Start Lat: 49 ° 31.08 N
Lon: 124 ° 48.74 W

Bottom Lat: 49 ° 31.08 N
Lon: 124 ° 48.74 W

End Lat: 49 ° 31.08 N
Lon: 124 ° 48.74 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: 2009-34Station: BS 15Event #: 024Ship: VECTORUTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	186	3034	6.044	B-2	✓ 23.8	✓								
2	187			B-4	✓									
3	188			B-6	✓									
4	189	2032	6.157	10	✓	✓								
5	190			5	✓									
6	191			0	✓									
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.M.Bottom Depth: 26 mTransmisso Cleaned: Y / N

	Time	UTC	Local
Start		2006	
Bottom		2008	
End		2013	

Positional Information

Start
Lat: 49 ° 30.62 N
Lon: 124 ° 49.35 WBottom
Lat: 49 ° 30.63 N
Lon: 124 ° 49.35 WEnd
Lat: 49 ° 30.64 N
Lon: 124 ° 49.35 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: 2009-34

Station: BS 16

Event #: 025

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	192			B-2	✓ 4.2											
2	193			B-4	✓											
3	194			B-6	✓											
4	195			10	✓											
5	196			5	✓											
6	197			0	✓											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 44 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	<u>2043</u>	
Bottom	<u>2045</u>	
End	<u>2050</u>	

Positional Information

Start
Lat: 49 ° 29.27 N
Lon: 124 ° 45.76 W

Bottom
Lat: 49 ° 29.27 N
Lon: 124 ° 45.75 W

End
Lat: 49 ° 29.28 N
Lon: 124 ° 45.75 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: 2009-34

Station: RS-17

Event #: 026

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	190			B-2	✓ 53											
2	199			B-4	✓											
3	200			B-6	✓											
4	201			20	✓											
5	202			10	✓											
6	203			5	✓											
7	204			0	✓											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: _____ m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		2059	
Bottom		2103	
End		2109	

Positional Information

Start

Lat: 49 ° 29.04 N

Lon: 124 ° 46.17 W

Bottom

Lat: 49 ° 29.05 N

Lon: 124 ° 46.16 W

End

Lat: 49 ° 29.05 N

Lon: 124 ° 46.14 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: 2009-34

Station: BS 18

Event #: 027

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 09 | 09

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	205			B-2	✓ 24											
2	206			B-4	✓											
3	207			B-6	✓											
4	209			10	✓											
5	209			5	✓											
6	210			0	✓											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 26 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2117	
Bottom	2118	
End	2124	

Positional Information

Start
Lat: 49 ° 28.92 N
Lon: 124 ° 46.52 W

Bottom
Lat: 49 ° 28.91 N
Lon: 124 ° 46.52 W

End
Lat: 49 ° 28.91 N
Lon: 124 ° 46.49 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: 2009-34 Station: BS 19 Event #: 028 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 09 | 09

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	211	3109	7.052	B-2	☒ 17	☒								
2	212			B-4	☒									
3	213			B-6	☒									
4	214	3052	7.025	10	☒	☒								
5	215			5	☒									
6	216			0	☒									
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.M.

Bottom Depth: 23 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2137	
Bottom	2140	
End	2145	

Positional Information

Start
 Lat: 49 ° 28.03 N
 Lon: 124 ° 45.19 W

Bottom
 Lat: 49 ° 28.02 N
 Lon: 124 ° 45.19 W

End
 Lat: 49 ° 28.03 N
 Lon: 124 ° 45.19 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: 2009-34 Station: BS 20 Event #: 029 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 01

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	217	3164	6.104	B-2	✓ 37	✓										
2	218			B-4	✓											
3	219			B-6	✓											
4	220			20	✓											
5	221	3038	—	10	✓	✓										E.P. Too High
6	222			5	✓											
7	223			0	✓											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 40 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2156	
Bottom	2158	
End	2204	

Positional Information

Start Lat: 49 ° 26 36 N
Lon: 124 ° 44 78 W

Bottom Lat: 49 ° 28 37 N
Lon: 124 ° 44 80 W

End Lat: 49 ° 28 39 N
Lon: 124 ° 44 86 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: 2009-34

Station: BS 21

Event #: 030

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 09

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	224	3040	6.415	B-2	✓ 19	✓										
2	225			B-4	✓											
3	226			B-6	✓											
4	227	2087	6.865	10	✓	✓										
5	228			5	✓											
6	229			0	✓											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 21 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		2214	
Bottom		2215	
End		2221	

Positional Information

Start

Lat: 49 ° 28.58 N

Lon: 124 ° 44.54 W

Bottom

Lat: 49 ° 28.59 N

Lon: 124 ° 44.54 W

End

Lat: 49 ° 28.58 N

Lon: 124 ° 44.57 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: 2009-34

Station: ES 22

Event #: 031

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 18 | 04 | 07

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	230				✓	B-2	38									
2	231				✓	B-4										
3	232				✓	B-6										
4	233				✓	10										
5	234				✓	5										
6	235				✓	0										
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 40 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		2247	
Bottom		2244	
End		2250	

Positional Information

Start Lat: 49 ° 28 19 N
Lon: 124 ° 41 51 W

Bottom Lat: 49 ° 28 19 N
Lon: 124 ° 41 52 W

End Lat: 49 ° 28 18 N
Lon: 124 ° 41 53 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: 2009-34 Station: BS 23 Event #: 032 Ship: VECTOR UTC Date (dd|mmm|yyyy): 10 | 04 | 09

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	236			B-2	✓	56											
2	237			B-4	✓												
3	238			B-6	✓												
4	239			20	✓												
5	240			10	✓												
6	241			5	✓												
7	242			0	✓												
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 50 m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		2304	
Bottom		2307	
End		2313	

Positional Information

Start Lat: 41 ° 27 74 N
Lon: 124 ° 39 95 W

Bottom Lat: 49 ° 27 74 N
Lon: 124 ° 39 95 W

End Lat: 49 ° 27 75 N
Lon: 124 ° 39 95 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: 2009-34

Station: TIN

Event #: 033

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 19 | 04 | 09

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	243	2014	3.388	8-2	✓ 334	✓										
2	244	589	3.422	8-4	✓ 332											
3	245	2033	3.397	8-6	✓			✓								
4	246	2092	3.755	250	✓											
5	247	3157	4.032	200	✓											
6	248	3063	3.969	175	✓											
7	249	3206	3.756	150	✓											
8	250	3135	3.875	100	✓											
9	251	3097	4.697	50	✓											
10	252	3196	5.694	20	✓											
11	253	3084	6.920	10	✓											
12	254	1365	7.267	5	✓											
13	255	2055	7.383	0	✓											
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.N.

Bottom Depth: 336 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0140	
Bottom	0150	
End	0208	

Positional Information

Start Lat: 49 ° 49.91 N
Lon: 124 ° 51.93 W

Bottom Lat: 49 ° 49.92 N
Lon: 124 ° 51.93 W

End Lat: 49 ° 49.91 N
Lon: 124 ° 51.94 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