

Water Properties Group

Rosette Log

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

Cruise ID: 2012-16 Station: T2-4 Event #: 001 Ship: Vector UTC Date (dd|mmm|yyyy): 02 | July | 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			50	☒	50	x										
2	2			10	☒	10	x										
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS / TS

Bottom Depth: 236 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start 0240	0240	
Bottom	0246	
End	0253	

Positional Information

Start
 Lat: 48 ° 58.59 N
 Lon: 123 ° 22.35 W

Bottom
 Lat: 48 ° 58.59 N
 Lon: 123 ° 22.30 W

End
 Lat: 48 ° 58.62 N
 Lon: 123 ° 22.31 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: 2012-16 Station: BSI Event #: 002 Ship: Vector UTC Date (dd|mmm|yyyy): 02 | Jul | 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	3			B-2	✓	18	✓	✓									
2	4			B-4	✓	16		✓									
3	5			B-6	✓	14	✓	✓									
4	6			10	✓	10		✓	✓								
5	7			5	✓	5	✓	✓									
6	8			0	✓	0		✓									
7	bucket			0				✓									
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 20 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1509	
Bottom	1513	
End	1519	

Positional Information
Start Lat: 49 ° 38.884 N
Lon: 124 ° 52.714 W

Bottom Lat: 49 ° 38.880 N
Lon: 124 ° 52.706 W

End Lat: 49 ° 38.879 N
Lon: 124 ° 52.716 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: 2012-16 Station: B52 Event #: 003 Ship: Vector UTC Date (dd|mmm|yyyy): 08 | July | 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	9			B-2	✓	34		✓								
2	10			B-4	✓	32	✓	✓								
3	11			B-6	✓	30		✓								
4	12			25	✓	25		✓								
5	13			10	✓	10	✓✓	✓✓	✓							
6	14			5	✓	5	✓	✓								
7	15			0	✓	0		✓								
8	bucket			0				✓								
9																
10																
11																
12																
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16																
17																
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19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS.

Bottom Depth: 37 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1547	
Bottom	1549	
End	1556	

Positional Information

Start	Lat:	49 ° 38.414	N
	Lon:	124 ° 53.681	W
▼			
Bottom	Lat:	49 ° 38.413	N
	Lon:	124 ° 53.725	W
▼			
End	Lat:	49 ° 38	N
	Lon:	124 ° 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: 2012-16 Station: B52 repeat Event #: 004 Ship: Nector UTC Date (dd|mmm|yyyy): 08 | Jul | 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	9			B-2	✓	33		✓									
2	10			B-4	✓	31	✓	✓									
3	11			B-6	✓	29		✓									
4	12			25	✓	25		✓									
5	13			10	✓	10	✓	✓	✓								
6	14			5	✓	5	✓	✓									
7	15			0	✓	0		✓									
8	Bucket			0				✓									
9																	
10																	
11																	
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17																	
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23																	
24																	

Watchkeeper(s): KS

Bottom Depth: _____ m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1618	
Bottom	16	
End	1626	

Positional Information

Start Lat: 49 ° 38. N
Lon: 124 ° 53. W

Bottom Lat: 49 ° 38.434 N
Lon: 124 ° 53.726 W

End Lat: 49 ° 38. N
Lon: 124 ° 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

1st try @ B52 = vents/epigals open

Water Properties Group

Rosette Log

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

Cruise ID: 2012-16 Station: B53 Event #: 005 Ship: Vector UTC Date (dd|mmm|yyyy): 08 | Jul | 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	16			B-2	☒ 20	☒	☒							
2	17			B-4	☒ 18		☒							
3	18			B-6	☒ 16		☒							
4	19			10	☒ 10	☒	☒	☒						
5	20			5	☒ 5		☒							
6	21			0	☒ 0		☒							
*	Bucket			0			☒							
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9														
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23														
24														

Watchkeeper(s): KS

Bottom Depth: 25 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1651	
Bottom	1653	
End	1658	

Positional Information

Start Lat: 49 ° 37.870 N
Lon: 124 ° 54.547 W

Bottom Lat: 49 ° 37.871 N
Lon: 124 ° 54.548 W

End Lat: 49 ° 37.871 N
Lon: 124 ° 54.553 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: 2012-16 Station: B54 Event #: 006 Ship: Vector UTC Date (dd|mmm|yyyy): 08 | Jul | 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	22			B-2	☒	21	☒							
2	23			B-4	☒	19	☒							
3	24			10	☒	10	☒	☒						
4	25			5	☒	5	☒							
5	26			0	☒	0	☒							
6	Bucket			0			☒							
7														
8														
9														
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20														
21														
22														
23														
24														

Watchkeeper(s): KS

Bottom Depth: 23 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	17 34	
Bottom	17 35	
End	17 40	

Positional Information

Start
Lat: 49° 36.200 N
Lon: 124° 54. W

Bottom
Lat: 49° 36.200 N
Lon: 124° 54.356 W

End
Lat: 49° 36.188 N
Lon: 124° 54.353 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: 2012-16 Station: B55 Event #: 007 Ship: Vecor UTC Date (dd|mmm|yyyy): 08 | Jul | 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	27			B-2	☒	42		☒									
2	28			B-4	☒	40		☒									
3	29			B-6	☒	38	☒	☒	☒								
4	30			30	☒	30		☒									
5	31			25	☒	25	☒	☒									
6	32			10	☒	10		☒									
7	33			5	☒	5	☒	☒									
8	34			0	☒	0	☒	☒									
9	Bucket			0				☒									
10																	
11																	
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13																	
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18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 445 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1803	
Bottom	1805	
End	1813	

Positional Information

Start
Lat: 49° 35.808 N
Lon: 124° 51.601 W

Bottom
Lat: 49° 35.789 N
Lon: 124° 51.611 W

End
Lat: 49° 35.734 N
Lon: 124° 51.632 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: 2012-16 Station: B56 Event #: 008 Ship: Vector UTC Date (dd|mmm|yyyy): 08 | Jul | 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	35			B-2	✓	25		✓									
2	36			B-4	✓	23		✓									
3	37			B-6	✓	21	✓	✓									
4	38			20	✓	20	✓	✓	✓								
5	39			10	✓	10		✓									
6	40			5	✓	5		✓									
7	41			0	✓	0	✓	✓									
8	Bucket			0				✓									
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 27 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1915	
Bottom	1917	
End		

Positional Information

Start
Lat: 49° 35.628 N
Lon: 124° 52.592 W

Bottom
Lat: 49° 35.623 N
Lon: 124° 52.590 W

End
Lat: 49° 35.629 N
Lon: 124° 52.585 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: 2012-16 Station: B515 Event #: 009 Ship: Vector UTC Date (dd|mmm|yyyy): 09 | July | 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	42		B-2		☒ 22	☒	☒									
2	43		B-4		☒ 20		☒									
3	44		B-6		☒ 18	☒	☒									
4	45		10		☒ 10	☒	☒	☒								
5	46		5		☒ 5		☒									
6	47		0		☒ 0		☒									
X	Bucket		0				☒									
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 25 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1420	
Bottom	1422	
End	1428	

Positional Information
 Lat: 49 ° 30.614 N
 Lon: 124 ° 49.373 W

Start

Lat: 49 ° 30.616 N
 Lon: 124 ° 49.374 W

Bottom

Lat: 49 ° 30.619 N
 Lon: 124 ° 49.361 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

Water Properties Group

Rosette Log

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

Cruise ID: 2012-16 Station: B513 Event #: 011 Ship: Vector UTC Date (dd|mmm|yyyy): 09 | July | 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	55			B-2	☒	45		☒									
2	56			B-4	☒	43		☒									
3	57			B-6	☒	41	☒	☒	☒								
4	58			25	☒	25		☒									
5	59			10	☒		☒	☒									
6	60			5	☒		☒	☒									
7	61			0	☒			☒									
8	Bucket			0				☒									
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): K.S.

Bottom Depth: 47 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1517	
Bottom	1520	
End	15	

Positional Information

Start Lat: 49 ° 31.355 N
Lon: 124 ° 48.480 W

Bottom Lat: 49 ° 31.351 N
Lon: 124 ° 48.475 W

End Lat: 49 ° 31.351 N
Lon: 124 ° 48.470 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: 2012-16 Station: BS12 Event #: 012 Ship: Vecor UTC Date (dd|mmm|yyyy): 09 | July | 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	62			B-2	☒	37	☒	☒									
2	63			B-4	☒	35		☒									
3	64			B-6	☒	33	☒	☒	☒								
4	65			10	☒	10	☒	☒									
5	66			5	☒	5		☒									
6	67			0	☒	0		☒									
X	Bucket			0				☒									
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 37 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1552	
Bottom	1554	
End	1600	

Positional Information

Start Lat: 49° 32.366 N Lon: 124° 50.088 W

Bottom Lat: 49° 32.360 N Lon: 124° 50.092 W

End Lat: 49° 32.374 N Lon: 124° 50.113 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: 2012-16 Station: BS11 Event #: 013 Ship: Vector UTC Date (dd|mmm|yyyy): 09 | July | 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	69			B-2	☒	45	☒	☒									
2	70			B-4	☒	43	☒	☒									
3	71			B-6	☒	41	☒	☒	☒								
4	72			25	☒	25	☒	☒									
5	73			10	☒	10	☒	☒									
6	74			5	☒	5	☒	☒									
7	75			0	☒	0	☒	☒									
X	Bucket			0				☒									
9																	
10																	
11																	
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13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 47 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1623	
Bottom	1627	
End	1631	

Positional Information

Start
Lat: 49 ° 32.209 N
Lon: 124 ° 50.449 W

Bottom
Lat: 49 ° 32.210 N
Lon: 124 ° 50.450 W

End
Lat: 49 ° 32.215 N
Lon: 124 ° 50.448 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: 2012-16 Station: B510 Event #: 014 Ship: Vector UTC Date (dd|mmm|yyyy): 09 | July | 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	76			B-2	☒	20		☒									
2	77			B-4	☒	18	☒	☒									
3	78			B-6	☒	16	☒	☒	☒								
4	79			10	☒	10	☒	☒									
5	80			5	☒	5		☒									
6	81			0	☒	0		☒									oops! did not fire
X	Bucket			0				☒									
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 22 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1654	
Bottom	1656	
End	1701	

Positional Information

Start Lat: 49 ° 32.014 N
Lon: 124 ° 50.999 W

Bottom Lat: 49 ° 32.011 N
Lon: 124 ° 51.002 W

End Lat: 49 ° 32.004 N
Lon: 124 ° 51.012 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: 2012-16 Station: B526 Event #: 015 Ship: Vector UTC Date (dd|mmm|yyyy): 10 | July | 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	82			B-2	☒ 45		☒	☒									
2	83			B-4	☒ 43		☒	☒									
3	84			B-6	☒ 41		☒	☒	☒								
4	85			25	☒ 25		☒	☒									
5	86			10	☒ 10		☒	☒									
6	87			5	☒ 5		☒	☒									
7	88			0	☒ 0		☒	☒									
8	Bucket			0				☒									
9																	
10																	
11																	
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13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 47 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1415	
Bottom	1418	
End	1425	

Positional Information
 Start
 Lat: 49 ° 38.063 N
 Lon: 124 ° 49.849 W

Bottom
 Lat: 49 ° 38.054 N
 Lon: 124 ° 49.838 W

End
 Lat: 49 ° 38.027 N
 Lon: 124 ° 49.808 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: 2012-16 Station: BS25 Event #: 016 Ship: Vecor UTC Date (dd|mmm|yyyy): | July | 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	89			B-2	☒	49	☒	☒									
2	90			B-4	☒	47	☒	☒									
3	91			B-6	☒	45	☒	☒									
4	92			25	☒	25	☒	☒									
5	93			10	☒	10	☒	☒	☒								
6	94			5	☒	5	☒	☒									
7	95			0	☒	0	☒	☒									
8	Bucket			0				☒									
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 53 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1449	
Bottom	1451	
End	1457	

Positional Information

Start Lat: 49° 38.960 N
Lon: 124° 50.710 W

Bottom Lat: 49° 38.957 N
Lon: 124° 50.710 W

End Lat: 49° 38.942 N
Lon: 124° 50.707 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: 2012-16 Station: B524 Event #: 017 Ship: Vector UTC Date (dd|mmm|yyyy): | July | 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	96			B-2	☒ 50	//	☒									
2	97			B-4	☒ 48	☒	☒									
3	98			B-6	☒ 46	☒	☒	☒								
4	99			25	☒ 25	☒	☒									
5	100			10	☒ 10	☒	☒									
6	101			5	☒ 5	☒	☒									
7	102			0	☒ 0	☒	☒									
8	Bucket			0		☒	☒									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 54 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1522	
Bottom	1524	
End	1530	

Positional Information

Start Lat: 49° 39.797 N
Lon: 124° 51.154 W

Bottom Lat: 49° 39.793 N
Lon: 124° 51.157 W

End Lat: 49° 39.785 N
Lon: 124° 51.170 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: 2012-16

Station: B57

Event #: 018

Ship: Vector

UTC Date (dd|mmm|yyyy): 10 | July | 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	103			B-2	✓	26	✓	✓									
2	104			B-4	✓	24		✓									
3	105			B-6	✓	22	✓	✓									
4	106			10	✓	10		✓									
5	107			5	✓	5	✓	✓	✓								
6	108			0	✓	0		✓									
7	Bucket			0				✓									
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 28 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1930	
Bottom	1931	
End	1937	

Positional Information

Start Lat: 49 ° 34.014 N
Lon: 124 ° 52.283 W

Bottom Lat: 49 ° 34.014 N
Lon: 124 ° 52.285 W

End Lat: 49 ° 34.013 N
Lon: 124 ° 52.306 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: 2012-16 Station: B58 Event #: 019 Ship: Vector UTC Date (dd|mmm|yyyy): 10 | Jul | 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	109			B-2	☒ 44		☒									
2	110			B-4	☒ 42	☒	☒									
3	111			B-6	☒ 40	☒	☒									
4	112			25	☒ 25	☒	☒									
5	113			10	☒ 10		☒									
6	114			5	☒ 5	☒	☒	☒								
7	115			0	☒ 0		☒									
8				0			☒									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 48 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1955	
Bottom	1956	
End	2004	

Positional Information

Start Lat: 49 ° 34.160 N
Lon: 124 ° 51.562 W

Bottom Lat: 49 ° 34.159 N
Lon: 124 ° 51.560 W

End Lat: 49 ° 34.153 N
Lon: 124 ° 51.564 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: 2012-16 Station: BS9 Event #: 020 Ship: Vector UTC Date (dd|mmm|yyyy): 10 | July | 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	116			B-2	☒ 27		☒									
2	117			B-4	☒ 25	☒	☒									
3	118			B-6	☒ 23		☒									
4	119			10	☒ 10	☒	☒	☒								
5	120			5	☒ 5	☒	☒									
6	121			0	☒ 0		☒									
7	Bucket			0			☒									
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 29 m
Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	20	
Bottom	2024	
End	2030	

Positional Information
Start Lat: 49 ° 34.392 N
Lon: 124 ° 50.975 W

Bottom Lat: 49 ° 34.392 N
Lon: 124 ° 50.977 W

End Lat: 49 ° 34.388 N
Lon: 124 ° 50.976 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: 2012-16

Station: B516

Event #: 021

Ship: Vector

UTC Date (dd|mmm|yyyy): 11 July 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	117			B-2	✓ 41	✓	✓									
2	118			B-4	✓ 39	✓	✓									
3	119			B-6	✓ 37	✓	✓									
4	1120			10	✓ 10	✓	✓	✓								
5	1121			5	✓ 5	✓	✓									
6	122			0	✓ 0	✓	✓									
7	Bucket			0			✓									
8																
9																
10																
11																
12																
13																
14																
15																
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18																
19																
20																
21																
22																
23																
24																

* I duplicated sample #s 117-121 (stations B59 & B516). I Added a 1 to beginning of sample IDs on this cast to make them unique. Please see Kenny if any confusion.

Watchkeeper(s): KS

Bottom Depth: 43 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1447	
Bottom	1450	
End	1455	

Positional Information

Start Lat: 49° 29.257 N
Lon: 124° 45.732 W

Bottom Lat: 49° 29.258 N
Lon: 124° 45.731 W

End Lat: 49° 29.275 N
Lon: 124° 45.743 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: 2012-16

Station: B517

Event #: 022

Ship: Vector

UTC Date (dd|mmm|yyyy): 11 July 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	123			B-2	✓ 51	✓	✓	✓								
2	124			B-4	✓ 49	✓	✓									
3	125			B-6	✓ 47		✓									
4	126			25	✓ 25		✓									
5	127			10	✓ 10	✓	✓									
6	128			5	✓ 5	✓	✓									
7	129			0	✓ 0		✓									
8	Bucket			0			✓									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 54 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1516	
Bottom	1518	
End	1524	

Positional Information

Start Lat: 49 ° 29.033 N
Lon: 124 ° 46.174 W

Bottom Lat: 49 ° 29.036 N
Lon: 124 ° 46.176 W

End Lat: 49 ° 29.051 N
Lon: 124 ° 46.190 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: 2012-16 Station: B518 Event #: 023 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | July | 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	130		B-2	20	☒	☒	☒									
2	131		B-3	18	☒	☒	☒	☒								
3	132		B-6	16	☒	☒	☒									
4	133		10	10	☒	☒	☒									
5	134		5	5	☒	☒	☒									
6	135		0	0	☒	☒	☒									
X	Bucket		0			☒										
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 22 m

Transmisso Cleaned: ☒ (Y) / N

Time	UTC	Local
Start	1547	
Bottom	1547	
End	1553	

Positional Information

Start
 Lat: 49 ° 28.921 N
 Lon: 124 ° 46.524 W

Bottom
 Lat: 49 ° 28.921 N
 Lon: 124 ° 46.524 W

End
 Lat: 49 ° 28.922 N
 Lon: 124 ° 46.540 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: 2012-16 Station: BS19 Event #: 024 Ship: Vector UTC Date (dd|mmm|yyyy): 11 July 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	136			B-2	☒ 27	☒	☒									
2	137			B-4	☒ 25	☒	☒	☒								
3	138			B-6	☒ 23	☒	☒									
4	139			10	☒ 10	☒	☒									
5	140			5	☒ 5	☒	☒									
6	141			0	☒ 0	☒	☒									
X	Bucket			0			☒									
8																
9																
10																
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13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 29 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1617	
Bottom	1619	
End	1625	

Positional Information

Start Lat: 49 ° 28.060 N
Lon: 124 ° 45.205 W

Bottom Lat: 49 ° 28.061 N
Lon: 124 ° 45.209 W

End Lat: 49 ° 28.079 N
Lon: 124 ° 45.240 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹
Std Value: _____ mL • L⁻¹
*Date Run: 11 July
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: 2012-16 Station: BS20 Event #: 025 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | July | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl <i>a</i>	NH ₄						
1	142			B-73	☒ 37	☒	☒									
2	143			B-45	☒ 35		☒									
3	144			B-67	☒ 33		☒									
4	145			25	☒ 25	☒	☒	☒								
5	146			10	☒ 10	☒	☒									
6	147			5	☒ 5		☒									
7	148			0	☒ 0	☒	☒									
8	Bucket			0			☒									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 39 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1653	
Bottom	1656	
End	1702	

Positional Information
 Lat: 49 ° 28.356 N
 Lon: 124 ° 44.784 W

▼
 Lat: 49 ° 28.350 N
 Lon: 124 ° 44.797 W

▼
 Lat: 49 ° 28.344 N
 Lon: 124 ° 44.860 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: 2012-16 Station: B521 Event #: 026 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | July | 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	149			B-2	☒	20	☒	☒									
2	150			B-4	☒	18	☒	☒									
3	151			B-6	☒	16	☒	☒									
4	152			10	☒	10		☒									
5	153			5	☒	5		☒									
6	154			0	☒	0	☒	☒									
X	Bucket			0				☒									
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 22 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1727	
Bottom	1728	
End	1734	

Positional Information

Start Lat: 49 ° 28.592 N
Lon: 124 ° 44.556 W

Bottom Lat: 49 ° 28.589 N
Lon: 124 ° 44.579 W

End Lat: 49 ° 28.588 N
Lon: 124 ° 44.598 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: 2012-16 Station: BS23 Event #: 027 Ship: Vector UTC Date (dd|mmm|yyyy): 12 | July | 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	155			B-2	☒	54	☒	☒									
2	156			B-4	☒	52	☒	☒									
3	157			B-6	☒	50	☒	☒									
4	158			25	☒	25	☒	☒									
5	159			10	☒	10	☒	☒	☒								
6	160			5	☒	5	☒	☒									
7	161			0	☒	0	☒	☒									
X	Bucket			0				☒									
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS

Bottom Depth: 56 m
Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1640	
Bottom	1642	
End	1649	

Positional Information
Start
Lat: 49 ° 27.708 N
Lon: 124 ° 39.968 W

Bottom
Lat: 49 ° 27.700 N
Lon: 124 ° 39.984 W

End
Lat: 49 ° 27.674 N
Lon: 124 ° 40.052 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: 2012-16 Station: B522 Event #: 028 Ship: Vector UTC Date (dd|mmm|yyyy): 12 | July | 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	162			B-2	☒ 36	☒	☒									bottom cap hung up
2	163			B-4	☒ 34	☒	☒	☒								∞ bottle did not close
3	164			B-6	☒ 32	☒	☒									
4	165			10	☒ 10	☒	☒									
5	166			5	☒ 5	☒	☒									
6	167			0	☒ 0	☒	☒									
7	Bucket!			0			☒									
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): K5

Bottom Depth: 38 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1716	
Bottom	1717	
End	1723	

Positional Information

Start Lat: 49° 28.211 N Lon: 124° 41.810 W

Bottom Lat: 49° 28.217 N Lon: 124° 41.804 W

End Lat: 49° 28.228 N Lon: 124° 41.810 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: 2012-16 Station: B527 Event #: 029 Ship: Vector UTC Date (dd|mmm|yyyy): 12 | July | 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	168			B-2	☒ 48		☒									
2	169			B-4	☒ 46		☒									
3	170			B-6	☒ 44	☒	☒	☒								
4	171			25	☒ 25	☒	☒									
5	172			10	☒ 10	☒	☒									
6	173			5	☒ 5		☒									
7	174			0	☒ 0		☒									
*	Bucket			0			☒									
9				* stn previously labelled QB27.												
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 48 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1800	
Bottom	1802	
End	1808	

Positional Information

Start Lat: 49 ° 29.951 N
Lon: 124 ° 37.506 W

Bottom Lat: 49 ° 29.949 N
Lon: 124 ° 37.505 W

End Lat: 49 ° 25.946 N
Lon: 124 ° 37.496 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: 2012-16 Station: BS28 Event #: 030 Ship: Vector UTC Date (dd|mmm/yyyy): 12 | July | 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	175			B-2	✓ 49		✓									
2	176			B-4	✓ 47	✓	✓									
3	177			B-6	✓ 45		✓									
4	178			25	✓ 25		✓									
5	179			10	✓ 10	✓	✓	✓								
6	180			5	✓ 5	✓	✓									
7	181			0	✓ 0	✓	✓									
8	Bucket			0	0		✓									
9				* stn previously labelled QB28												
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KS

Bottom Depth: 53 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1914	
Bottom	1916	
End	1922	

Positional Information

Start Lat: 49 ° 25.246 N
Lon: 124 ° 36.232 W

Bottom Lat: 49 ° 25.248 N
Lon: 124 ° 36.230 W

End Lat: 49 ° 25.250 N
Lon: 124 ° 36.228 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: 2012-16 Station: B529 Event #: 031 Ship: Vector UTC Date (dd|mmm/yyyy): 12 | July | 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	182			B-2	✓	53	✓	✓	✓								
2	183			B-4	✓	51	✓	✓									
3	184			B-6	✓	49	✓	✓									
4	185			25	✓	25	✓	✓									
5	186			10	✓	10	✓	✓									
6	187			5	✓	5	✓	✓									
7	188			0	✓	0	✓	✓									
8	Bucket			0			✓										
9				* stn previously labelled QB29													
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KS.

Bottom Depth: 55-6 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2008	
Bottom	2010	
End	2017	

Positional Information
 Start
 Lat: 49 ° 24.653 N
 Lon: 124 ° 34.915 W

Bottom
 Lat: 49 ° 24.656 N
 Lon: 124 ° 34.916 W

End
 Lat: 49 ° 24.656 N
 Lon: 124 ° 34.919 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