

Water Properties Group

Rosette Log

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

Cruise ID: 2008-61

Station: ST

Event #: 1

Ship: Vector

UTC Date (dd|mmm|yyyy): 22 | Nov | 2008

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		1.282	60T	☒ 100											
2	2	1377	2.283	75	☒			☒								
3	3	1380	3.712	50	☒		☒									oxy cloudy when acid added bad titration → reagents not added properly?
4	4	1381	3.644	40	☒		☒									
5	5	1384	3.881	30	☒											
6	6	1386	4.098	20	☒											
7	7	1389	4.146	10	☒											
8	8	1392	4.095	5	☒				☒							
9	9	1393	6.547	Stop	☒				☒							
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JB/OT

Bottom Depth: 176 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1805	
Bottom	1809	
End	1815	

Positional Information

Start
Lat: 48 ° 39 402 N
Lon: 123 ° 29 978 W

Bottom
Lat: 48 ° 39 406 N
Lon: 123 ° 29 975 W

End
Lat: 48 ° 39 396 N
Lon: 123 ° 29 988 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: 22 | Nov | 08

Analyst: K. Young

* 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: 2008-61 Station: 59 Event #: 3 Ship: _____ UTC Date (dd|mmm|yyyy): ____|____|____

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	12	690	4.006	805	☒ 230									*690 Invalid used 1175
2	11	1175	3.889	200	☒									
3	12	1176	3.725	175	☒			✓						
4	13	1213	4.110	150	☒									1213 Invalid used #1313
5	14	1180	—	135	☒									Wrong depth/Bin Out
6	15	1414	3.949	100	☒									
7	16	1106	4.312	75	☒		✓							*1106 Invalid used 1373
8	17	1144	4.692	50	☒									*1144 Invalid used 1146
9	18	1315	4.439	40	☒									
10	19	1314	—	30	☒									0.605 + 0.022 + .144 ml
11	20	1317	4.441	20	☒									
12	21	2020	4.886	5	☒				✓					2020 Invalid used #1313
13	22	1316	4.582	5	☒				✓					
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RL + Kelly Y

Bottom Depth: 232 m

Transmisso Cleaned: (Y) N

	Time	UTC	Local
Start		205249	
Bottom		205440	
End		2114	

Positional Information

Lat: 48 ° 37.805 N

Lon: 123 ° 16.618 W

Start

Lat: 48 ° 37.814 N

Lon: 123 ° 14.581 W

Bottom

Lat: 48 ° 37.822 N

Lon: 123 ° 14.602 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

10m missing

Brinkle@shaw.ca

Water Properties Group

Rosette Log

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

Cruise ID: 2008-61

Station: 102

Event #: 7

Ship: Vector

UTC Date (dd|mmm|yyyy): 23 | 11 | 2008

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	23	1316	2.106	80T	☒ 250											
2	24	1381	2.075	250	☒											
3	25	1384	2.300	200	☒											
4	26	1386	2.410	175	☒											
5	27	1392	2.298	150	☒											
6	28	1377	2.583	125	☒											
7	29	1393	2.997	100	☒											
8	30	1389	3.959	75	☒		☒									
9	31	2019	5.397	50	☒											
10	32	1394	5.865	40	☒											stopper was loose and large bubble at time of titration
11	33	1395	5.643	30	☒											really bad peak
12	34	1397	6.014	20	☒											
13	35	1399	6.090	10	☒											
14	36	1400	6.220	5	☒				☒							
15	37	1401	5.824	surf	☒				☒							same as 50 m but worse, stopper loose, bubble.
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KL + KY

Bottom Depth: 257 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	06:57	
Bottom	07:05	
End	07:21	

Positional Information

Start Lat: 48° 29.96 N

Lon: 124° 43.99 W

Start

Bottom Lat: 48° 29.97 N

Lon: 124° 43.96 W

Bottom

End Lat: 48° 30.08 N

Lon: 124° 43.94 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: 2008-61 Station: 6 Event #: 60 Ship: Vector UTC Date (dd|mm|yyyy): 25 | 11 | 2008

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	216	1418	3.091	Bot	✓	188										
2	217	1421	4.059	175	✓			✓								→ strange + weird peak
3	218	1426	3.242	150	✓											
4	219	1427	2.873	125	✓											
5	220	1429	3.227	100	✓											
6	221	1428	3.457	75	✓											
7	222	1430	4.217	50	✓											
8	223	1432	5.483	40	✓											
9	224	1433	5.572	30	✓		✓									
10	225	1434	5.762	20	✓											
11	226	1440	6.166	10	✓											
12	227	1443	6.016	5	✓				✓							
13	228	1446	6.031	surf	✓				✓							
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JPOT

Bottom Depth: 192 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1117	
Bottom	1122	
End	1137	

Positional Information

Start Lat: 49 ° 30 6 14 N
Lon: 124 ° 27 8 17 W

Bottom Lat: 49 ° 30 6 25 N
Lon: 124 ° 27 8 27 W

End Lat: 49 ° 30 6 55 N
Lon: 124 ° 27 7 92 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: 2008-61

Station: 75

Event #: 10

Ship: Vector

UTC Date (dd|mmm|yyyy): 23 Nov | 2008

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	1418	2.025	605	☒	220										
2	39	1421	2.143	200	☒											
3	40	1426	2.235	175	☒	4										
4	41	1427	2.667	150	☒	6										
5	42	1428	2.914	125	☒	9										
6	43	1429	3.328	100	☒	12										
7	44	1433	3.791	75	☒	4										
8	45	1440	4.066	50	☒	6										
9	46	1434	4.443	40	☒	4										
10	47	1432	5.457	30	☒	3										
11	48	1430	6.088	20	☒	1										
12	49	1443	6.056	10	☒	11										
13	50	1445	6.071	5	☒	9										
14	51	1446	6.100	Surf	☒											
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): PPT

Bottom Depth: 220 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	952	
Bottom	959	
End	1012	

Positional Information

Start

Lat: 48 ° 28 141 N

Lon: 124 ° 32 791 W

Bottom

Lat: 48 ° 28 109 N

Lon: 124 ° 32 818 W

End

Lat: 48 ° 29 026 N

Lon: 124 ° 32 941 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: 2008-61 Station: 12 Event #: 13 Ship: Ventura UTC Date (dd|mmm|yyyy): 23 | NOV | 2008

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	52	1376	2.237	80T	☒ 182											
2	53	1377	2.391	175	☒											
3	54	1381	2.269	150	☒											
4	55	1384	2.568	125	☒											
5	56	1386	3.448	100	☒											
6	57	1389	3.701	75	☒											
7	58	1392	3.829	50	☒											
8	59	1394	4.432	40	☒											
9	60	1393	4.517	30	☒											
10	61	1395	4.476	20	☒											
11	62	1397	4.731	10	☒											
12	63	1399	4.893	5	☒											
13	64	1400	4.754	surf	☒											
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): OT

Bottom Depth: 182 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	14 19	
Bottom	14 22	
End	14 35	

Positional Information

Start Lat: 48 ° 18 58.4 N
Lon: 124 ° 40 9.6 W

Bottom Lat: 48 ° 18 59.6 N
Lon: 124 ° 04 09.8 W

End Lat: 48 ° 18 59.3 N
Lon: 124 ° 4 12.7 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: 2008-61

Station: 69

Event #: 16

Ship: Vesta

UTC Date (dd|mmm|yyyy): 23 | NOV | 2008

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	1418	2.372	807	☒ 174											bad peak
2	67	1421	2.611	150	☒											
3	67	1426	2.800	125	☒											
4	68	1427	3.406	100	☒											
5	69	1428	4.032	75	☒											
6	70	1429	4.396	50	☒											
7	71	1430	4.423	40	☒											
8	72	1432	4.630	30	☒											
9	73	1433	4.779	20	☒											
10	74	1434	4.907	10	☒											
11	75	1440	5.058	5	☒											
12	76	1443	5.046	surf	☒											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DT

Bottom Depth: 174 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1723	
Bottom	1727	
End	1738	

Positional Information

Start Lat: 48 ° 15598 N
Lon: 123 ° 43141 W

Start

Bottom Lat: 46 ° 15588 N
Lon: 123 ° 43132 W

Bottom

End Lat: 48 ° 15570 N
Lon: 123 ° 43058 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: 2008-61

Station: 40CP

Event #: 19

Ship: Vector

UTC Date (dd|mmm|yyyy): 23 | 11 | 2007

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	1316	2.966	BOT	☒	118										
2	78	1377	3.376	100	☒											
3	79	1381	3.526	75	☒											
4	80	1384	4.196	50	☒											
5	81	1386	4.188	40	☒											
6	82	1389	4.365	30	☒											
7	83	1392	4.527	20	☒											
8	84	1393	4.767	10	☒											
9	85	1394	4.801	5	☒											
10	86	1395	4.826	Surf	☒											
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Kelly Young/Rosette

Bottom Depth: 120 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	20:16	
Bottom	20:20	
End	20:30	

Positional Information

Start

Lat: 48° 13' 96" N

Lon: 123° 17.982 W

Bottom

Lat: 48° 13' 99" N

Lon: 123° 17.96 W

End

Lat: 48° 14' 041" N

Lon: 123° 17.951 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.722 mL · L⁻¹

*Date Run: 21 | 11 | 08

Analyst: K. Young

* 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: 2008-61 Station: 45 Event #: 23 Ship: Vector UTC Date (dd|mmm|yyyy): 23 | 11 | 2008

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	1418	-	00T	☒ 123											0.094 + 0.526
2	88	1421	3.387	100	☒			✓								
3	89	1426	4.156	75	☒		✓									
4	90	1427	4.659	50	☒											
5	91	1428	4.626	40	☒											
6	92	1429	4.680	30	☒											
7	93	1430	4.672	20	☒											
8	94	1432	4.805	10	☒											
9	95	1433	4.912	5	☒				✓							
10	96	1434	4.895	Surf	☒		✓		✓							
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Kelly Berry/Ronh

Bottom Depth: 125 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	22:55	
Bottom	22:58	
End	23:08	

Positional Information

Start
Lat: 48 ° 15.886 N
Lon: 123 ° 9.854 W

Bottom
Lat: 48 ° 15.882 N
Lon: 123 ° 9.888 W

End
Lat: 48 ° 15.851 N
Lon: 123 ° 10.038 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: 2008-61 Station: 62 Event #: 26 Ship: Vector UTC Date (dd|mmm|yyyy): 24 | 11 | 2008

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	1394	3.338	305	☒ 144.3											
2	98	1393	3.416	150	☒ 144.3			✓								
3	99	1384	3.424	125	☒											
4	100	1386	4.158	100	☒											
5	101	1389	4.617	75	☒		✓									
6	102	1316	4.596	50	☒		✓									
7	103	1377	4.727	40	☒											
8	104	1381	4.742	30	☒											
9	105	1395	4.708	20	☒											
10	106	1392	4.879	10	☒											
11	107	1397	4.887	5	☒				✓	✓						
12	108	1399	4.950	Sur	☒	✓	✓		✓	✓						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Kelly Young & Ron Lindsay

Bottom Depth: 144.3 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	01:40	
Bottom	01:45	
End	01:55	

Positional Information

Start
Lat: 48° 22.774 N
Lon: 123° 2.647 W

Bottom
Lat: 48° 22.759 N
Lon: 123° 2.650 W

End
Lat: 48° 22.708 N
Lon: 123° 2.516 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: K. Young

* 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: 2008-61

Station: 56

Event #: 31

Ship: Vector

UTC Date (dd|mmm|yyyy): 24|NOV|2008

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	1421	3.985	805	✓ 205	↓	↓							
2	110	1418	4.028	200	✓			✓						
3	111	1426	3.981	175	✓									
4	112	1427	3.961	150	✓									
5	113	1428	3.935	125	✓									
6	114	1429	3.948	100	✓									
7	115	1430	3.986	75	✓									
8	116	1432	4.109	50	✓									
9	117	1433	4.131	40	✓									
10	118	1434	4.224	30	✓									
11	119	1440	4.434	20	✓		✓							
12	120	1443	4.323	10	✓									
13	121	1445	4.318	5	✓				✓✓					
14	122	1446	4.385	surf	✓	↓	↓		✓✓					
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): B DT

Bottom Depth: 205 m

Transmisso Cleaned: Y1 N

Time	UTC	Local
Start	800	
Bottom	806	
End	820	

Positional Information

Start

Lat: 48 ° 46 430 N

Lon: 123 ° 1 578 W

Bottom

Lat: 48 ° 46 391 N

Lon: 123 ° 1 574 W

End

Lat: 48 ° 46 330 N

Lon: 123 ° 1 585 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: 2008-61

Station: 46

Event #: 39

Ship: Vector

UTC Date (dd|mmm|yyyy): 24 | Nov | 2008

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	1418	2.976	60+	✓ 183	↓	↓	✓								→ large bubble in flask before titration
2	124	1421	3.013	175	✓	↓	↓	✓								
3	125	1426	3.539	150	✓	↓	↓									
4	126	1427	3.698	125	✓	↓	↓									
5	127	1428	3.998	100	✓	↓	↓									
6	128	1429	4.026	75	✓	↓	↓	✓								
7	129	1430	4.193	50	✓	↓	↓									
8	130	1432	4.236	40	✓	↓	↓									
9	131	1433	3.949	30	✓	↓	↓									
10	132	1434	4.315	20	✓	↓	↓									
11	133	1440	5.315	10	✓	↓	↓									
12	134	1443	5.239	5	✓	↓	↓		✓✓							
13	135	1445	5.250	surf	✓	↓	↓		✓✓							
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JODT

Bottom Depth: 183 m

Transmissio Cleaned: ✓ / N

Time	UTC	Local
Start	1445	
Bottom	1450	
End	1502	

Positional Information

Start
Lat: 48 ° 51338 N
Lon: 123 ° 10865 W

Bottom
Lat: 48 ° 51340 N
Lon: 123 ° 10886 W

End
Lat: 48 ° 51425 N
Lon: 123 ° 10913 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: 2008-61

Station: 42

Event #: 41

Ship: V. Lee

UTC Date (dd|mmm|yyyy): 24 | NOV | 2008

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	1316	2.788	BOT	✓ 3.15											
2	137	1377	2.915	300	✓											
3	138	1381	2.850	250	✓			✓								
4	139	1384	2.956	200	✓											
5	140	1386	2.917	175	✓											
6	141	1389	2.948	150	✓											
7	142	1392	3.386	125	✓											
8	143	1393	3.738	100	✓											
9	144	1394	3.287	75	✓		✓									
10	145	1395	3.460	50	✓											
11	146	1397	3.585	40	✓											
12	147	1399	3.844	30	✓											
13	148	1400	3.991	20	✓											
14	149	1401	4.620	10	✓											
15	150	2019	5.873	5	✓				✓							
16	151	1402	6.588	surf	✓				✓							
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): 10/10

Bottom Depth: 315 m

Transmissio Cleaned: ✓ / N

Time	UTC	Local
Start	17 24	
Bottom	17 32	
End	17 52	

Positional Information

Start
Lat: 49 ° 01 78 N
Lon: 123 ° 26 24 W

Bottom
Lat: 49 ° 01 79 N
Lon: 123 ° 26 24 W

End
Lat: 49 ° 01 82 N
Lon: 123 ° 26 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: 2008 61 Station: 39 Event #: 45 Ship: Vector UTC Date (dd|mmm|yyyy): 24 | Nov | 2008

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	152	1418	2.746	300	☒	373										
2	153	1421	2.737	350	☒											
3	154	1426	2.836	300	☒											
4	155	1427	2.938	250	☒											
5	156	1428	2.996	200	☒											
6	157	1429	3.058	175	☒											
7	158	1430	3.075	150	☒											
8	159	1432	2.984	125	☒											
9	160	1433	3.011	100	☒											
10	161	1434	3.040	75	☒											
11	162	1440	3.356	50	☒											
12	163	1443	3.509	40	☒											
13	164	1445	4.174	30	☒											
14	165	1446	5.315	20	☒											
15	166	1447	6.168	10	☒											
16	167	1451	6.292	5	☒											
17	168	1453	6.413	Surf	☒											
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL + KY

Bottom Depth: 378 m

Transmissio Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	21:14	
Bottom	21:23	
End	21:44	

Positional Information

Start

Lat: 49 ° 09.852 N

Lon: 123 ° 33.038 W

Bottom

Lat: 49 ° 09.835 N

Lon: 123 ° 32.934 W

End

Lat: 49 ° 09.890 N

Lon: 123 ° 32.978 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: 2008.61 Station: 27 Event #: 49 Ship: Vector UTC Date (dd|mmm|yyyy): 25 | Nov | 2008

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	169	1316	2.723	005	☒	341										
2	170	1377	2.837	300	☒											
3	171	1381	2.791	250	☒											
4	172	1384	2.895	200	☒											
5	173	1386	2.929	175	☒											
6	174	1389	2.883	150	☒											
7	175	1392	2.913	125	☒											
8	176	1393	2.918	100	☒											
9	177	1394	2.903	75	☒											
10	178	1395	2.898	50	☒											
11	179	1397	2.973	40	☒											
12	180	1399	3.564	30	☒											
13	181	1400	4.830	20	☒											
14	182	1401	5.580	10	☒											
15	183	1402	5.801	5	☒											
16	184	1404	5.842	Surf	☒											
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL + KY

Bottom Depth: 346 m

Transmissio Cleaned: ☒ Y / N

Time	UTC	Local
Start	00:56	16:56
Bottom	01:04	17:04
End	01:23	

Positional Information

Start
Lat: 49 ° 19.120 N
Lon: 123 ° 48.012 W

Bottom
Lat: 49 ° 19.017 N
Lon: 123 ° 48.098 W

End
Lat: 49 ° 19.088 N
Lon: 123 ° 48.028 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹
Std Value: _____ mL · L⁻¹
*Date Run: ____ | ____ | ____
Analyst: K. Young

* 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: 2008-61

Station: 2

Event #: 53

Ship: Nector

UTC Date (dd|mmm|yyyy): 25 | 11 | 2008

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	185	1418	2.686	Bot	☒ 271.50											Entered as Sample #5
2	186	1421	2.685	250	☒			✓								
3	187	1426		200	☒											(abort) cloudy, so added word 0.604 + Too Cloudy
4	188	1427	2.756	175	☒											
5	189	1428	2.927	150	☒											entered as 1189
6	190	1429	3.106	125	☒											
7	191	1430	3.081	100	☒											
8	192	1432	2.996	75	☒		✓✓									
9	193	1433	3.967	50	☒											
10	194	1434	4.492	40	☒											
11	195	1440	5.248	30	☒											
12	196	1443	5.179	20	☒											
13	197	1445	6.458	10	☒											
14	198	1446	6.452	5	☒				✓✓							
15	199	1447	6.521	surf	☒	↓	↓		✓✓							
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Carl + Kelly Young

Bottom Depth: 275 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	05:13	
Bottom	05:20	
End	05:37	

Positional Information

Start

Lat: 49° 24.112 N

Lon: 124° 9.332 W

Bottom

Lat: 49° 24.128 N

Lon: 124° 9.330 W

End

Lat: 49° 24.145 N

Lon: 124° 9.239 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: 2008-61Station: 3Event #: 57Ship: NectorUTC Date (dd|mmm|yyyy): 25 | NOV | 2008

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	200	1316	2.503	DOT	☒ 315											
2	201	1377	2.582	300	☒			☒								
3	202	1381	2.727	250	☒											
4	203	1384	2.841	200	☒		☒									
5	204	1386	3.472	175	☒											
6	205	1389	2.948	150	☒											
7	206	1392	3.320	125	☒											
8	207	1393	2.992	100	☒											
9	208	1406	2.790	75	☒											
10	209	1395	3.685	50	☒											
11	210	1397	5.529	40	☒											
12	211	1399	5.653	30	☒											
13	212	1400	5.846	20	☒											
14	213	1401	6.165	10	☒											
15	214	1402	6.057	5	☒				☒							
16	215	1404	6.089	surf	☒				☒							
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JDBottom Depth: 322 mTransmisso Cleaned: ☒ N

Time	UTC	Local
Start	832	
Bottom	841	
End	856	

Positional Information

Start
Lat: 49 ° 26 621 N
Lon: 124 ° 20 28 WBottom
Lat: 49 ° 26 615 N
Lon: 124 ° 20 230 WEnd
Lat: 49 ° 26 603 N
Lon: 124 ° 20 250 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: 200861

Station: 9

Event #: 63

Ship: Vector

UTC Date (dd|mmm|yyyy): 25 | 11 | 2008

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	229	1316	2.563	BOT	☒	165										
2	230	1377	2.606	150	☒											
3	231	1381	2.692	125	☒											
4	232	1384	2.482	100	☒											
5	233	1386	2.888	75	☒											
6	234	1389	3.574	50	☒											
7	235	1392	4.660	40	☒											
8	236	1393	5.581	30	☒											
9	237	1395	5.518	20	☒											
10	238	1397	5.874	10	☒											
11	239	1399	5.958	5	☒											
12	240	1400	5.965	Surf	☒											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): LB DT

Bottom Depth: 168 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		14:15	
Bottom		14:20	
End		14:31	

Positional Information

Start

Lat: 49 ° 35.522 N

Lon: 124 ° 38.346 W

Bottom

Lat: 49 ° 35.497 N

Lon: 124 ° 38.338 W

End

Lat: 49 ° 35.514 N

Lon: 124 ° 38.345 W

Oxygen Info For This Cast

Blank Value: .006 mL · L⁻¹

Std Value: .722 mL · L⁻¹

*Date Run: 25 | 11 | 2008

Analyst: DT

* 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: 2008-61 Station: 12 Event #: 66 Ship: Victor UTC Date (dd|mmm|yyyy): 25 | Nov | 2008

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	241	1418	2.722	300	☒	351										
2	242	1421	2.754	350	☒											
3	243	1426	2.787	300	☒											
4	244	1427	3.113	250	☒											
5	245	1428	2.835	200	☒											
6	246	1429	2.786	175	☒											
7	247	1430	3.239	150	☒											
8	248	1432	2.851	125	☒											
9	249	1433	2.793	100	☒											
10	250	1434	2.863	75	☒											
11	251	1440	5.725	50	☒											
12	252	1443	5.775	40	☒											
13	253	1446	6.559	30	☒		vv									
14	254	1447	6.022	20	☒											
15	255	1451	5.895	10	☒											
16	256	1453	5.933	5	☒				vv							
17	257	1413	5.938	Surf	☒				vv							
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DT

Bottom Depth: 356 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1632	
Bottom	1640	
End	1658	

Positional Information

Start
Lat: 49 ° 43 61.2 N
Lon: 124 ° 40 87.7 W

Bottom
Lat: 49 ° 43 56.7 N
Lon: 124 ° 40 82.6 W

End
Lat: 49 ° 43 57.3 N
Lon: 124 ° 40 82.6 W

Oxygen Info For This Cast

Blank Value: .006 mL · L⁻¹
Std Value: .722 mL · L⁻¹
*Date Run: 25 | 11 | 2008
Analyst: DT

* 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: 2008-61 Station: 14 Event #: 68 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 2008

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	258	1316	2.687	300	✓	(316) Bl										Dep Not on sheet used
2	259	1377	2.661	300	✓											Log Depth
3	260	1381	2.715	250	✓											
4	261	1384	2.701	200	✓											in file
5	262	1386	2.971	175	✓											
6	263	1389	2.684	150	✓											
7	264	1392	2.599	125	✓											
8	265	1393		100	✓											in file
9	266	1395	3.306	75	✓											
10	267	1397	4.364	50	✓											
11	268	1399	4.496	40	✓											
12	269	1400	4.556	30	✓											
13	270	1401	4.706	20	✓											Top loose
14	271	1402	4.895	10	✓											
15	272	1404	5.239	5	✓											
16	273	1406	5.248	surf												
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): LB/DT/KY/RL/PC

Bottom Depth: 316 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	19:16	11:16
Bottom	19:23	11:23
End	19:43	11:43

Positional Information

Start

Lat: 49 ° 53.008 N

Lon: 124 ° 59.617 W

Bottom

Lat: 49 ° 53.020 N

Lon: 124 ° 59.602 W

End

Lat: 49 ° 53.018 N

Lon: 124 ° 59.634 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: 2008-61

Station: 16

Event #: 70

Ship: Vector

UTC Date (dd|mmm|yyyy): 25 | Nov | 2008

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	274	1413	3.057	100	☒	152										
2	275	1418	3.212	125	☒											
3	276	1421	3.703	100	☒											
4	277	1426	4.084	75	☒											
5	278	1427	4.377	50	☒											
6	279	1428	4.355	40	☒											
7	280	1429	4.275	30	☒											
8	281	1430	4.751	20	☒											
9	282	1432	4.878	10	☒											
10	283	1434	5.237	5	☒				☒							
11	284	1440	5.621	surf	☒				☒							
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL + KY

Bottom Depth: 155 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	21:05	
Bottom	21:09	
End	21:20	

Positional Information

Start
Lat: 49 ° 57.728 N
Lon: 125 ° 08.795 W

Bottom
Lat: 49 ° 57.674 N
Lon: 125 ° 08.734 W

End
Lat: 49 ° 57.626 N
Lon: 125 ° 08.648 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹
Std Value: _____ mL · L⁻¹
*Date Run: ____ | ____ | ____
Analyst: K. Young

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