

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: SI Event #: 1 Ship: Vectra UTC Date (dd|mmm|yyyy): 15 | 04 | 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	DE HPLC				
1	1	1456	0.1051	807	☒	170								
2	2	—		170	☒			✓						
3	3	—		170	☒									Bottles # 1-3 not sampled
4	4	1341	0.087	150	☒									at bottom
5	5	1344	0.183	125	☒									170 m
6	6	1347	2.061	100	☒									
7	7	—		75	☒									bottle #7
8	8	1354	5.416	50	☒									didn't fire
9	9	1356	5.495	40	☒		✓							
10	10	1358	5.285	30	☒									
11	11	1360	5.647	20	☒		✓		✓	✓				
12	12	1361	7.363	10	☒				✓	✓				* BAD END AT.
13	13	1362	9.99	5	☒		✓							
14	14	1363	10.49	surf	☒	2.48	✓		✓	✓				
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): all

Bottom Depth: 170 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	00:11	
Bottom	1:17	
End	1:31	

Positional Information

Start
 Lat: 48 ° 39.377 N
 Lon: 123 ° 30.012 W

Bottom
 Lat: 48 ° 39.377 N
 Lon: 123 ° 30.014 W

End
 Lat: 48 ° 39.38 N
 Lon: 123 ° 30.037 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: 2008-19 Station: 3 Event #: 4 Ship: Vector UTC Date (dd|mmm|yyyy): 15 | apr | 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	HPLC					
1	15	705	2.385	200	✓	315										
2	16	1247	2.414	300	✓											
3	17	1230	3.019	250	✓											
4	18	1228	3.574	200	✓			✓								
5	19	1238	4.313	175	✓											
6	20	1241	4.714	150	✓											
7	21	1268	4.785	125	✓	748										
8	22	1267	4.860	100	✓											
9	23	1244	4.551	75	✓	100										
10	24	1274	4.596	50	✓											
11	25	1271	5.003	40	✓											
12	26	1276	5.945	30	✓											
13	27	1424	6.603	20	✓				✓		✓					
14	28	1278	8.187	10	✓				✓		✓					
15	29	1274	8.211	5	✓				✓		✓					
16	30	1280	8.164	surf	✓				✓		✓					
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 315 mTransmisso Cleaned: ☒ N

Time UTC Local

Start	1402	
Bottom	1409	
End	1428	

Positional Information

Start
Lat: 49 ° 26.614 N
Lon: 124 ° 20.185 WBottom
Lat: 49 ° 26.615 N
Lon: 124 ° 20.171 WEnd
Lat: 49 ° 26.604 N
Lon: 124 ° 20.219 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

Oxy - grey box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 9

Event #: 9

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 15 | 04 | 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	Wet HPLC							
1	44	705	2.965	BOT.	☒ 168	☒	☒										
2	45	1247	2.912	150	☒												
3	46	1230	4.031	125	☒			☒									
4	47	1228	4.104	100	☒		☒										
5	48	1238	4.910	75	☒												
6	49	1241	5.159	50	☒												
7	50	1260	5.261	40	☒												
8	51	1267	5.652	30	☒												
9	52	1244	6.118	20	☒				☒	☒							
10	53	1274	9.356	10	☒				☒	☒							
11	54	1271	9.499	5	☒				☒	☒							CHECK FLASH # WITH LALA
12	55	1276	9.558	Surf.		☒	☒		☒	☒							
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): Ronh. / Hugh M.

Bottom Depth: 168 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>19:20</u>	<u>19:20</u>
Bottom	<u>19:24</u>	
End	<u>19:39</u>	

Positional Information

Start Lat: 49 ° 35' 46.0 N
Lon: 124 ° 38' 31 W

Start

Bottom

Lat: 49 ° 35' 46.1 N
Lon: 124 ° 38' 30.6 W

End

Lat: 49 ° 35' 44.3 N
Lon: 124 ° 38' 28.7 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

Oxy - grey box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 12

Event #: 11

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 15 | Apr | 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	DO ₄ HPLC				
1	56	1456	2.988	BoY	☒ 345	☒	☒							Nutrients dups
2	57	1338	?	300	☒ *			☒						cast
3	58	1340	3.709	250	☒									
4	59	1341	4.115	200	☒									
5	60	1344	4.304	175	☒									
6	61	1347	4.471	150	☒									
7	62	1351	4.763	125	☒									
8	63	1354	4.495	100	☒									
9	64	1356	4.203	75	☒									
10	65	1358	4.811	50	☒									
11	66	1360	5.109	40	☒									
12	67	1361	6.036	30	☒									
13	68	1362	7.295	20	☒				☒	☒				
14	69	1363	8.429	10	☒				☒	☒				
15	70	1364	8.858	5	☒									
16	71	1366	9.091	Surf	☒	☒	☒		☒	☒				
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Ron L / Hugh M.

Bottom Depth: 356 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	<u>21:23</u>	
Bottom	<u>21:30</u>	
End		

Positional Information

Start

Lat: 49° 43 594 N

Lon: 124° 40 192 W

Bottom

Lat: 49° 43 597 N

Lon: 124° 40 795 W

End

Lat: 49° 43 469 N

Lon: 124° 40 771 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

* POSIMAT WOULDN'T STOP - HAD TO ABORT RUN - NO END POINT

Dry - no box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 23

Event #: 15

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 16 | 04 | 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	72	76	5.876	80T	☒	230											
2	73	632	5.676	200	☒												
3	74	329	5.777	175	☒												
4	75	425	6.003	150	☒												
5	76	439	5.733	125	☒												
6	77	371	5.812	100	☒												
7	78	456	5.812	75	☒												
8	79	462	6.012	50	☒												
9	80	471	6.070	40	☒												
10	81	547	5.953	30	☒												
11	82	2040	5.957	20	☒												
12	83	557	5.979	10	☒												
13	84	559	5.941	5	☒												
14	85	575	5.954	surf	☒												
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): Shane / Valerie / Peter

Bottom Depth: 237 m

Transmisso Cleaned: ☒ Y ☐ N

	Time	UTC	Local
Start		<u>0340</u>	<u>8:40pm</u>
Bottom		<u>0348</u>	<u>8:48pm</u>
End		<u>0403</u>	<u>9:03pm</u>

Positional Information

Start

Lat: 50 ° 15.007 N

Lon: 125 ° 22.969 W

Bottom

Lat: 50 ° 14.987 N

Lon: 125 ° 22.907 W

End

Lat: 50 ° 15.026 N

Lon: 125 ° 22.702 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

Oxy-green box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 16

Event #: 16

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 16 | 04 | 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	MP-C				
1	84	705	3.019	Box.	✓ 151	✓	✓							
2	85	1247	4.492	125	✓									
3	86	1230	5.047	100	✓									
4	87	1220	5.274	75	✓			✓						2m wire angle straight now
5	88	1230	5.632	50	✓		✓							
6	89	1241	5.990	40	✓									
7	90	1268	6.086	30	✓									
8	91	1267	6.094	20	✓				✓✓	✓✓				
9	92	1244	6.828	10	✓				✓✓	✓✓				
10	93	1274	7.251	5	✓									
11	94	1271	7.358	Surf.	✓				✓✓	✓✓				
12				0										
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Vol & Shore

Bottom Depth: 151 m

Transmissio Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0603	1103pm
Bottom	0608	1108
End	0619	1119

Positional Information

Start

Lat: 49 ° 57.685 N

Lon: 125 ° 8.786 W

Bottom

Lat: 49 ° 57.688 N

Lon: 125 ° 8.759 W

End

Lat: 49 ° 57.676 N

Lon: 125 ° 8.711 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

Oxy - grey box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 14

Event #: 19

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 19 | 04 | 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	HPLC	Phyto samples	
1	95	639	—	Bot	☒ 310	☒	☒		NO	SAM	ALC	Phyto samples this cast
2	96	638	3.381	250	☒							
3	97	657	3.410	200	☒							Lugol's
4	98	647	4.004	175	☒							Form
5	99	700	4.145	150	☒							Glux
6	100	690	4.181	125	☒							- 250 bottle not triggered initially
7	101	1138	4.176	100	☒							- back down to 250 to trigger
8	102	712	4.501	75	☒							
9	103	715	4.996	50	☒			☒				
10	104	1106	5.255	40	☒							
11	105	1105	6.353	30	☒							- Bottle #1 did not trigger. DU. indicated trigger!
12	106	1110	7.041	20	☒				☒	☒		
13	107	1213	7.670	10	☒				☒	☒		
14	108	1123	9.109	5	☒							
15	109	1487	9.368	Surf					☒	☒	XXX	
16												
17	111											
18												
19		RAN	109	BEFORE	108							
20		CALLED		109-108								
21				108-109								
22												
23												
24												

Watchkeeper(s): Ron L / Hugh M.

Bottom Depth: 310 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0843	
Bottom	0848	
End	0909	

Positional Information		
Lat:	49 ° 52 99	N
Lon:	124 ° 59 61	W
▼		
Lat:	49 ° 52 99	N
Lon:	124 ° 59 59	W
▼		

Lat:	49 ° 52 99	N
Lon:	124 ° 59 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

Yellow Box.

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 2

Event #: 27

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 16 | 04 | 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	HA					
1	110	76	2.903	Bot	☒ 273											
2	111	632	3.156	250	☒			✓								
3	112	329	3.967	200	☒											
4	113	425	4.547	175	☒											
5	114	439	4.819	150	☒											
6	115	371	4.847	125	☒											
7	116	456	4.617	100	☒											
8	117	462	4.541	75	☒											
9	118	471	4.830	50	☒		✓									
10	119	547	4.898	40	☒											
11	120	2040	5.899	30	☒											
12	121	557	8.025	20	☒				✓	✓						
13	122	559	8.273	10	☒				✓	✓						
14	123	575	8.436	5	☒											
15	124	586	9.157	Surf	☒				✓	✓						
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Ron L. / Hugh M.

Bottom Depth: 278 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1854	
Bottom	1901	
End	1919	

Positional Information

Start

Lat: 49° 24' 12.7 N

Lon: 124° 9.289 W

Bottom

Lat: 49° 24.119 N

Lon: 124° 9.283 W

End

Lat: 49° 24' 09.8 N

Lon: 124° 9.254 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

Org → Alex Box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: 27 Event #: 30 Ship: Vector UTC Date (dd|mmm|yyyy): 16 | 04 | 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	MP	HAL			
1	125	639	2.861	801	☒	346								
2	126	638	2.895	300	☒									
3	127	657	4.100	250	☒			☒						yellow on day
4	128	647	4.815	200	☒									
5	129	700	4.993	175	☒									
6	130	690	5.059	150	☒									
7	131	1138	5.203	125	☒									
8	132	712	5.143	100	☒									
9	133	715	4.787	75	☒									
10	134	1106	4.514	50	☒		☒							
11	135	1105	5.184	40	☒									
12	136	1110	5.983	36	☒									
13	137	1213	7.143	20	☒				☒	☒				
14	138	1123	8.037	10	☒				☒	☒				
15	139	1487	8.932	5	☒				☒	☒				
16	140	1144	8.855	stop	☒				☒	☒				
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): M/DH

Bottom Depth: 346 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2311	
Bottom	2319	
End	2336	

Positional Information

Start Lat: 49 ° 19.126 N
Lon: 123 ° 47.850W

Bottom Lat: 49 ° 19.138 N
Lon: 123 ° 47.856 W

End Lat: 49 ° 19.230 N
Lon: 123 ° 47.822 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: 2008-19 Station: 39 Event #: 34 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | 04 | 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	HPLC	Phyto			
1	141	76	2.553	800	✓ 370	✓	✓							
2	142	632	2.422	350	✓			✓						
3	143	329	3.243	300	✓									green out 1-rod
4	144	425	3.922	250	✓									
5	145	439	4.699	200	✓									
6	146	371	5.026	175	✓									Phyto Sta
7	147	456	5.036	150	✓									Nutrient Dups
8	148	462	5.336	125	✓									
9	149	471	5.028	100	✓									
10	150	547	5.041	75	✓									
11	151	2040	4.713	50	✓									
12	152	557	4.909	40	✓									
13	153	559	5.307	30	✓									
14	154	575	6.160	20	✓				✓✓	✓✓				
15	155	586	7.796	10	✓				✓✓	✓✓				
16	156	589	8.230	5	✓				✓✓	✓✓				
17	157	604	8.273	surf	✓	↓	↓		✓✓	✓✓	✓✓			
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Shane/Valerie/Peter

Bottom Depth: 370 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0411	
Bottom	0420	
End		

Positional Information

Start Lat: 49 ° 9.775 N
Lon: 123 ° 32.899 W

Bottom Lat: 49 ° 9.774 N
Lon: 123 ° 32.876 W

End Lat: 49 ° 9.781 N
Lon: 123 ° 32.855 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

Oxy - green box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: 62 Event #: 37 Ship: Vector UTC Date (dd|mmm|yyyy): 17 | 4 | 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	MP2L					
1	158	76	3.431	80T	✓ 126											
2	159	632	3.292	125	✓			✓								
3	160	329	3.279	100	✓											
4	161	425	4.262	75	✓											green dot only
5	162	439	4.969	50	✓											
6	163	371	5.335	40	✓											
7	164	456		30	✓											NO SAMPLE
8	165	462	5.551	25	✓				✓✓	✓✓						*
9	166	471	5.620	10	✓				✓✓	✓✓						
10	167	547	5.618	5	✓				✓✓	✓✓						
11	168	2040	5.601	Surf	✓				✓✓	✓✓						
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): PO LOT

Bottom Depth: 127 m

Transmisso Cleaned: ✓ N

Time	UTC	Local
Start	1413	
Bottom	1418	
End	1430	

Positional Information

Start
 Lat: 48 ° 23 743 N
 Lon: 123 ° 2 717 W

Bottom
 Lat: 48 ° 23 701 N
 Lon: 123 ° 27 05 W

End
 Lat: 48 ° 23 617 N
 Lon: 123 ° 2 746 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

* DEPTH 30m SHOULD BE 20m IN COMPUTER

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 56

Event #: 43

Ship: Vector

UTC Date (dd|mmm|yyyy): 17 | Apr | 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	DPH				
1	169	639	4.616	807	✓ 204.95									
2	170	638	4.632	200	✓									
3	171	657	4.748	175	✓									
4	172	647	4.890	150	✓		✓							
5	173	700	✓	125	✓	NO SAMPLE								#5 did not trigger
6	174	690	5.059	100	✓									
7	175	1138	6.124	75	✓									yellow loop
8	176	712	5.544	50	✓									
9	177	715	5.599	40	✓			✓						
10	178	1106	5.716	30	✓									
11	179	1105	5.879	20	✓				✓✓	✓✓				
12	180	1110	5.964	10	✓				✓✓	✓✓				
13	181	1213	5.978	5	✓									
14	182	1123	5.922	Surf.	✓	✓	✓		✓✓	✓✓				
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Ronk / Hugh M.

Bottom Depth: 205 m

Transmisso Cleaned: (Y) 1 N

Time	UTC	Local
Start	2210	
Bottom	2216	
End	2230	

Positional Information

Start

Lat: 48 ° 46 39 N

Lon: 123 ° 1 61 W

Bottom

Lat: 48 ° 46 50 N

Lon: 123 ° 1 58 W

End

Lat: 48 ° 46 50 N

Lon: 123 ° 1 48 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: 1 | 1 | 1

Analyst: _____

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

#173 SHOULD BE #174

yellow loop

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: 46 Event #: 50 Ship: Vector UTC Date (dd|mmm|yyyy): 18 | Apr | 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	chl	HPLC					
1	183	1456	4.990	807	☒	178										
2	184	1338	5.317	150	☒			✓								
3	185	1340	5.221	125	☒											
4	186	1341	5.256	100	☒		✓									
5	187	1344	5.612	75	☒											
6	188	1347	4.874	50	☒											
7	189	1351	5.086	40	☒											
8	190	1354	5.466	30	☒				✓✓	✓✓						
9	191	1356	6.118	20	☒				✓✓	✓✓						
10	192	1358	7.550	10	☒				✓✓	✓✓						
11	193	1360	9.577	5	☒				✓✓	✓✓						
12	194	1361	9.567	Surf	☒				✓✓	✓✓						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Shane Valerie

Bottom Depth: 178 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0308	808 pm
Bottom	0312	
End	0325	

Positional Information
Start Lat: 48 ° 51.364 N
Lon: 123 ° 10.796 W

Bottom Lat: 48 ° 51.361 N
Lon: 123 ° 10.751 W

End Lat: 48 ° 51.418 N
Lon: 123 ° 10.571 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

- red oxy bod

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: 42 Event #: 52 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 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	HALL					
1	195	705	3.103	BOT	☒ 310											
* 2	196	1247	3.386	300	☒											MURKY SAMPLE NG
3	197	1230	3.295	250	☒											
4	198	1228	4.211	200	☒											
5	199	1238	4.699	175	☒											
6	200	1241	4.910	150	☒											
7	201	1268	5.013	125	☒											
8	202	1267	5.069	100	☒											
9	203	1244	4.764	75	☒											
10	204	1274	4.719	50	☒											
11	205	1271	5.392	40	☒											
12	206	1276	5.837	30	☒											
13	207	1424	6.857	20	☒				✓✓		✓✓					
14	208	1278	8.007	10	☒				✓✓		✓✓					
15	209	1279	—	5	☒											NO sample?
16	210	1280	8.392	surf	☒				✓✓		✓✓					
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Shane / Valerie

Bottom Depth: 317 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		<u>0618</u>	
Bottom		<u>0627</u>	
End		<u>0645</u>	

Positional Information

Start Lat: 49 ° 1.801 N
Lon: 123 ° 26.074 W

Start

Bottom Lat: 49 ° 1.765 N
Lon: 123 ° 26.040 W

Bottom

End

End Lat: 49 ° 1.729 N
Lon: 123 ° 26.226 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

oxy - grey box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: 59 Event #: 56 Ship: VECTOR UTC Date (dd|mmm|yyyy): 18 | 04 | 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	MP HPLC				
1	211	1456	4.146	BoY.	☒ 230	☒	☒							
2	212	1338	4.105	200	☒									
3	213	1340	4.159	175	☒									
4	214	1341	4.208	150	☒									
5	215	1344	4.724	125	☒									
6	216	1347	5.133	100	☒									
7	217	1351		75	☒									
8	218	1354	5.706	50	☒			☒						
9	219	1356	5.545	40	☒		☒							
10	220	1358	5.864	30	☒									
11	221	1360	5.655	20	☒				☒	☒				
12	222	1361	5.699	10	☒				☒	☒				
13	223	1362	5.835	5	☒				☒	☒				
14	224	1363	5.896	surf.		☒	☒		☒	☒				
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): MT OT

Bottom Depth: 230 m

Transmisso Cleaned: ☒ Y ☒ N

Time	UTC	Local
Start	1316	
Bottom	1323	
End	1340	

Positional Information

Start

Lat: 48 ° 37 747 N

Lon: 123 ° 14 532 W

Bottom

Lat: 48 ° 37 736 N

Lon: 123 ° 14 563 W

End

Lat: 48 ° 37 673 N

Lon: 123 ° 14 564 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

Oxy → red box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: ADP Event #: 58 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | Apr | 2008

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed		Oxy	Nut	Sal	Chl a	NH ₄ K ₂ CO ₃						
1	225	1456	2.578	805	✓	110											
2	226	1338	2.805	100	✓				✓								
3	227	1340	3.098	75	✓												
4	228	1341	3.762	50	✓												
5	229	1344	4.364	40	✓			✓									
6	230	1347	5.259	30	✓												
7	231	1351	5.757	20	✓					✓	✓						
8	232	1354	5.772	10	✓					✓	✓						
9	233	1356	5.850	5	✓												
10	234	1358	5.820	surf	✓					✓	✓						
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): K / OT

Bottom Depth: 110 m
Transmisso Cleaned: ✓ / N

Time	UTC	Local
Start	0040	
Bottom	0043	
End	0053	

Positional Information
Start
Lat: 48 ° 13982 N
Lon: 123 ° 17965 W

Bottom
Lat: 48 ° 13960 N
Lon: 123 ° 17940 W

End
Lat: 48 ° 13925 N
Lon: 123 ° 17860 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

off red loop

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19

Station: 65

Event #: 61

Ship: Vector

UTC Date (dd|mmm|yyyy): 18 | Apr | 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	MP	HPLC					
1	235	690	3.278	BOT	☒	120										FE 10 did not trip
2	236	700	3.981	100	☒			✓								
3	237	647	4.603	75	☒											
4	238	657	5.093	50	☒											Surface sample
5	239	638	5.513	40	☒		✓									to Rose with
6	240	639	5.671	30	☒											a surface
7	241	1110		20	☒				✓	✓						bucket
8*	242	1105	5.658	10	☒	*			✓	✓						
9	243	1106	5.716	5	☒											* SHOULD BE 10m
10	244	715	5.762	surf	☒		✓		✓	✓						NOT 20m
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Shane / Valerie / Peter

Bottom Depth: 120 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0316	816pm
Bottom	0319	
End	0330	

Positional Information

Start
Lat: 48 ° 15.913 N
Lon: 123 ° 9.853 W

Bottom
Lat: 48 ° 15.924 N
Lon: 123 ° 9.919 W

End
Lat: 48 ° 15.947 N
Lon: 123 ° 10.133 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

Oxy - yellow box

Water Properties Group

Rosette Log

69

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

Cruise ID: 2008-19

Station: 72

Event #: 18

Ship: Vector

UTC Date (dd|mmm|yyyy): 19 | Apr | 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	257	1456	1.728	Bot	✓ 180									#2-13 did not
2	258	1338		175	✓				NO	SAMPLE				fuel
3	259	1340	1.723	150	✓			✓						
4	260	1341	1.760	125	✓									- no phyto -
5	261	1344	2.805	100	✓									
6	262	1347	3.285	75	✓									
7	263	1351	4.403	50	✓									
8	264	1354	4.867	40	✓									
9	265	1356	5.211	30	✓									
10	266	1358	5.112	20	✓				xx	xx				
11	267	1360	5.321	10	✓		✓		xx	xx				
12	268	1361	5.374	5	✓									
13	269	1362	5.508	Surf.	✓ 0.5	✓	✓		xx	xx				Samples from Bucket
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Shore/Valerie

Bottom Depth: 185 m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		1626	926 AM
Bottom		1630	
End		1645	

Positional Information

Start

Lat: 48 ° 18.683 N

Lon: 124 ° 4.021 W

Start

Bottom

Lat: 48 ° 18.760 N

Lon: 124 ° 4.181 W

Bottom

End

Lat: 48 ° 19.003 N

Lon: 124 ° 4.633 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

- red ogy box -

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19Station: 75Event #: 71Ship: VECTORUTC Date (dd|mmm|yyyy): 19 | 04 | 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	SP4 HPLC	Phyto					
1	270	705	1.681	800	☒ 208	☒	☒									
2	271	1247	1.633	200	☒											Phyto this Sta.
3	272	1230	1.649	175	☒											
4	273	1228	1.781	150	☒											
5	274	1238	2.037	125	☒											
6	275	1241	2.323	100	☒											
7	276	1268	2.652	75	☒		☒									
8	277	1267	3.989	50	☒			☒								
9	278	1244	4.944	40	☒											
10	279	1274	5.549	30	☒											
11	280	1271	5.649	20	☒				☒	☒						
12	281	1276	5.781	10	☒				☒	☒						
13	282	1424	5.785	5	☒		☒		☒	☒						
14	283	1278	5.790	Surf.		☒	☒		☒	☒	☒					
15				0												
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
Hugh M. RankBottom Depth: 208 mTransmisso Cleaned: ☒ N

Time	UTC	Local
Start	19:47	
Bottom	19:54	
End	20:07	

Positional Information
Start
Lat: 48 ° 28 47 N
Lon: 124 ° 32 59 WBottom
Lat: 48 ° 28 45 N
Lon: 124 ° 32 59 WEnd
Lat: 48 ° 28 40 N
Lon: 124 ° 32 46 WOxygen 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

Oxygen - grey box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-19 Station: 102 Event #: 74 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | Apr | 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 HPLC						
1	284	690	1.503	Bot	☒ 250	✓	✓									Double for Nutrients
2	285	700	1.521	250	☒			✓								
3	286	647	1.738	200	☒											
4	287	657	1.745	175	☒											
5	288	638	1.971	150	☒											
6	289	639	2.264	125	☒											
7	290	1110	2.670	100	☒											
8	291	1105	3.080	75	☒											
9	292	1106	3.470	50	☒											
10	293	715	3.848	40	☒											
11	294	712	5.297	30	☒											
12	295	1138	5.745	20	☒				✓✓	✓✓						
13	296	1213	5.783	10	☒				✓✓	✓✓						
14	297	1123	5.797	5	☒											
15	298	1487	5.976	Surf.	☒	✓	✓		✓✓	✓✓						
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Hugh M. / Ron L.

Bottom Depth: 250 m

Transmisso Cleaned: 01 N

Time	UTC	Local
Start	2239	
Bottom	2249	
End	2305	

Positional Information

Start Lat: 48 ° 29 84 N
Lon: 124 ° 44 75 W

Start

Bottom Lat: 48 ° 29 79 N
Lon: 124 ° 44 37 W

Bottom

End

Lat: 48 ° 29 67 N
Lon: 124 ° 44 63 W

Oxygen Info For This Cast

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

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

Oxy Yellow Box