

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: STA 16 Event #: 8 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 4 | 11

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	HH ₂ HPLC	T°	T°		
1	1	1213	3.584	154	✓ B-5	✓	✓				7.9	8.1		recorded bottles
2	2	3193	3.751	125	✓ 125			✓			7.8	8.1		and temp in
3	3	2200	4.037	100	✓ 100						7.7	8.1		reverse order.
4	4	1473	4.249	75	✓ 75						7.8	7.9		Has been corrected
5	5	2063	5.346	50	✓ 50	✓					7.8	7.9		
6	6	2092	5.697	40	✓ 40						7.8	7.8		
7	7	3075	6.108	30	✓ 30		✓				7.9	7.8		
8	8	1377	6.205	20	✓ 20				✓	✓	7.9	7.8		
9	9	3019	6.641	10	✓ 10				✓	✓	8.1	7.7		
10	10	7128	6.667	5	✓ 5					✓	8.1	7.8		
11	11	1314	6.654	0	✓ 3.5	✓	✓		✓	✓	8.1	7.9		
12														
13														
14														
15	15	1106	5.348								7.7	7.7		
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): PC/DT/H.M.

Bottom Depth: 135 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1331	0631
Bottom	1334	0634
End	1345	0645

Positional Information

Start	Lat: 49 ° 57.71	N
	Lon: 125 ° 08.82	W

Bottom	Lat: 49 ° 57.69	N
	Lon: 125 ° 08.79	W

End	Lat: 49 ° 57.72	N
	Lon: 125 ° 08.73	W

Oxygen Info For This Cast

Blank Value:	0.00068 mL · L ⁻¹
Std Value:	0.54544 mL · L ⁻¹
*Date Run:	14 04 2011
Analyst:	KS

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

OXYGEN YELLOW CASE

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: 14 Event #: 10 Ship: VECTOR 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	T _{pot}					
1	12	1421	3.232	B-5	☒ 308	☒	☒				8.5					* These samples are in fact #11-26 i.e. there are two #11s - one from cast 8 and the other from this cast
2	13	1488	3.227	300	☒ 300			☒			8.3					
3	14	708	3.558	250	☒ 250						8.3					
4	15	1322	3.637	200	☒ 200						8.3					
5	16	3181	3.780	175	☒ 175						8.3					
6	17	3203	4.024	150	☒ 150	☒					8.1					
7	18	2084	4.181	125	☒ 125						8.1					
8	19	1400	4.198	100	☒ 100						9.0					
9	20	3007	5.056	75	☒ 75		☒				7.9					
10	21	2633	6.468	50	☒ 50						7.7					
11	22	1311	7.481	40	☒ 40						7.7					
12	23	3055	7.544	30	☒ 30	☒					7.8					
13	24	2069	7.526	20	☒ 20				☒	☒	7.9					
14	25	690	7.606	10	☒ 10				☒	☒	7.9					
15	26	1490	7.631	5	☒ 5						7.9					
16	27	1489	7.630	sf	☒ 3.6	☒	☒		☒	☒	7.9					
17																
18																
19																
20	17	1481	4.021								8.1					
21	23	2065	7.543								7.9					
22																
23																
24																

Watchkeeper(s): KE/KM/DT

Bottom Depth: 315 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1523	0823
Bottom	1529	0829
End		

Positional Information

Start
 Lat: 49 ° 52.98 N
 Lon: 124 ° 59.59 W

Bottom
 Lat: 49 ° 52.98 N
 Lon: 124 ° 59.56 W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.00068 mL · L⁻¹
 Std Value: 0.54544 mL · L⁻¹
 *Date Run: 14 10 2011
 Analyst: KS

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

OXY ORANGE CASE

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08Station: Sta 12Event #: 12Ship: VECTORUTC Date (dd|mmm|yyyy): 14 | 4 | 11

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken					T ^o C					Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	MP4 HPLC						
1	28	3043	3.071	351	✓	B-5	✓	✓				8.6				
2	29	3188	3.443	300	✓	300			✓			8.3				
3	30	2082	3.740	250	✓	250						8.3				
4	31	1174	4.225	200	✓	200	✓					8.1				
5	32	657	4.434	175	✓	175						8.0				
6	33	1313	4.502	150	✓	150		✓				7.9				
7	34	1477	4.427	125	✓	125						8.1				
8	35	1470	4.342	100	✓	100						8.1				
9	36	557	4.464	75	✓	75						8.1				
10	37	622	7.119	50	✓	50						7.8				
11	38	1498	7.540	40	✓	40						7.9	-dese tip in air -> aborted -> re-titrated			
12	39	3084	7.678	30	✓	30						7.8				
13	40	2055	7.809	20	✓	20				✓	✓	7.9				
14	41	2019	7.854	10	✓	10	✓			✓	✓	7.9				
15	42	1367	7.815	5	✓	5						8.0				
16	43	1316	7.881	0	✓	3.8	✓	✓		✓	✓	8.0				
17																
4	31	2086	4.254									8.0	-stopper not sealed			
14	41	3180	7.859									7.9				
20																
21																
22																
23																
24																

Watchkeeper(s): RE/AM/STBottom Depth: 355 mTransmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1752	1052
Bottom	1759	1059
End	1815	1115

Positional Information

Lat:	49 °	43.60	N
Lon:	124 °	40.80	W

Lat:	49 °	43.59	N
Lon:	124 °	40.79	W

Lat:	49 °	43.62	N
Lon:	124 °	40.80	W

Oxygen Info For This Cast

Blank Value:	0.00068	mL · L ⁻¹
Std Value:	0.54544	mL · L ⁻¹
*Date Run:	1410412011	
Analyst:	KS	

* 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: 2011-08 Station: STA 9 Event #: 16 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 4 | 11

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	44	1337	3.885	164	☒ B-5	☒	☒									8.3 - bubble below stopper
2	45	3108	3.908	150	☒			☒								8.2
3	46	468	4.124	125	☒											8.1
4	47	631	4.245	100	☒											8.1
5	48	1261	4.583	75	☒	☒										7.9
6	49	3028	5.158	50	☒											7.7
7	50	1373	5.659	40	☒											7.7
8	51	1404	6.077	30	☒											7.6
9	52	3126	6.629	20	☒		☒		☒	☒						7.6
10	53	1319	7.247	10	☒				☒	☒						7.5
11	54	1378	7.279	5	☒											7.6
12	55	647	7.305	0	☒				☒	☒						7.5
13																
14																
5.48	48	1248	4.581													7.9
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SRBottom Depth: 170 mTransmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2303	1603
Bottom	2307	
End	2325	

Positional Information

Start
Lat: 49 ° 35.50 N
Lon: 124 ° 38.33 WBottom
Lat: 49 ° 35.51 N
Lon: 124 ° 38.32 WEnd
Lat: 49 ° 35.50 N
Lon: 124 ° 38.32 W

Oxygen Info For This Cast

Blank Value: 0.00068 mL · L⁻¹Std Value: 0.54544 mL · L⁻¹*Date Run: 14 | 04 | 2011Analyst: KS

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

white

Water Properties Group

Rosette Log

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

Cruise ID: _____ Station: 6 Event #: 18 Ship: Vector UTC Date (dd|mmm|yyyy): 15 | April | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken						Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a			
1	56	3043	4.237	185	✓	X	X					
2	57	3187	4.401	175	✓			X				
3	58	2082	4.659	150	✓							
4	59	1174	4.920	125			XX					
5	60	2086	4.441	100								
6	61	657	4.614	75		XX						
7	62	1477	6.032	50								
8	63	1470	6.908	40								
9	64	557	8.280	30								
10	65	622	8.659	20					XX	XX		
11	66	1498	8.722	10					XX	XX		
12	67	3084	8.739	5								
13	68	2055	8.736	0					XX	XX		
14												
15												
16	61	1313	4.609									
17												
18												
19												
20												
21												
22												
23												
24												

Watchkeeper(s): SR

Bottom Depth: 192 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0140	1840
Bottom	0144	
End	0159	

Positional Information

Start Lat: 49 ° 30.62 N
Lon: 124 ° 27.82 W

Start

Bottom Lat: 49 ° 30.61 N
Lon: 124 ° 27.79 W

Bottom

End Lat: 49 ° 30.58 N
Lon: 124 ° 27.79 W

End

Oxygen Info For This Cast

Blank Value: 0.00068 mL · L⁻¹
Std Value: 0.94544 mL · L⁻¹
*Date Run: 14 | 04 | 2011
Analyst: KS

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

red

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08

Station: 3

Event #: 201

Ship: Vector

UTC Date (dd|mmm|yyyy): 15 | APR | 2011

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	69	3209	2.811	B-5	☒ 317											
2	70	3184	2.870	300	☒			X						8.7		
3	71	1317	3.104	250	☒									8.6		
4	72	3191	4.036	200	☒									8.5		
5	73	3166	4.535	175	☒									8.0		
6	74	1478	4.842	150	☒									7.7		
7	75	471	5.004	125	☒			X						7.6		
8	76	2064	4.959	100	☒									7.5		
9	77	3090	4.668	75	☒									7.4		
10	78	1497	5.622	50	☒									7.6		
11	79	3038	6.007	40	☒	X								7.4		
12	80	1401	6.498	30	☒									7.3		
13	81	3098	8.350	20	☒				XX	XX				7.3		
14	82	2032	8.439	10					XX	XX				7.4		
15	83	3052	8.414	5										7.4		
16	84	3057	8.406	0		☒	☒		XX	XX				7.4		
17																
18																
11	79	3174	6.009	40										7.3		
20																
21																
22																
23																
24																

Watchkeeper(s): SR

Bottom Depth: 320 m

Transmisso Cleaned: (Y) N

	UTC	Local
Time Start	0430	2130
Bottom	0436	
End	0454	

Positional Information

Start Lat: 49 ° 26.61 N

Lon: 124 ° 20.20 W

Start

Bottom Lat: 49 ° 26.61 N

Lon: 124 ° 20.23 W

Bottom

End

End Lat: 49 ° 26.66 N

Lon: 124 ° 20.22 W

Oxygen Info For This Cast

Blank Value: 0.00074 mL

Std Value: 0.54601 mL

*Date Run: 15 | APR | 2011

Analyst: N2

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

BROWN

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08

Station: 2

Event #: 23

Ship: Vector

UTC Date (dd|mmm|yyyy): 15 | APR | 2011

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			OC	
1	85	3043		8-5	☒ 274								8.0	
2	86	3187	3.345	250	☒			X					7.9	
3	87	2082	4.198	200	☒								7.6	
4	88	1174	4.464	175	☒								7.5	
5	89	2086	4.694	150	☒								7.5	
6	90	657	4.960	125		XX							7.5	
7	91	1477	5.002	100									7.5	
8	92	1470	5.060	75									7.5	
9	93	557	5.088	50			XX						7.7	
10	94	622	5.232	40	☒ 40								7.7	
11	95	1498	5.613	30	☒ 30								7.6	
12	96	3084	7.236	20	☒ 20				☒	☒			7.7	
13	97	2055	8.177	10	☒ 10				☒	☒			7.8	
14	98	2019	8.379	5	☒ 5				☒	☒			7.7	
15	99	3180	8.424	0	☒ 3.8	↓	↓		☒	☒			7.7	
16														
17														
18	90	1313	4.960										7.5	
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 281 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0637	2337
Bottom	0642	2342
End	0700	0000

Positional Information

Start

Lat: 49 ° 24.08 N

Lon: 124 ° 9.28 W

Bottom

Lat: 49 ° 24.10 N

Lon: 124 ° 9.28 W

End

Lat: 49 ° 24.10 N

Lon: 124 ° 9.33 W

Oxygen Info For This Cast

Blank Value: 0.000738 mL · L⁻¹

Std Value: 0.54601 mL · L⁻¹

*Date Run: 15 | 04 | 2011

Analyst: KS

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

OXY - RED CASE

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08

Station: 27

Event #: 27

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 15 | APR | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PH HPLC	OC					
1	100	1337	2.772	6-5	✓ 343	↓					8.2					
2	101	3108	2.896	300	✓ 300	↓		✓			8.1					
3	102	468	3.196	250	✓ 250	↓					8.1					
4	103	631	4.263	200	✓ 200	↓					7.7					
5	104	1261	4.435	175	✓ 175	✓✓					7.7	- stopper very easy to pull out				
6	105	3028	4.333	150	✓ 150	↓					7.7					
7	106	1373	4.767	125	✓ 125	↓					7.6					
8	107	1404	5.106	100	✓ 100	↓					7.5					
9	108	3126	4.955	75	✓ 75	↓	↓				7.6					
10	109	1319	4.853	50	✓ 50	↓	✓✓				7.7					
11	110	1378	5.026	40	✓ 40	↓					7.7					
12	111	647	5.325	30	✓ 30	✓✓					7.6					
13	112	1475	5.962	20	✓ 20	↓			✓✓	✓✓	7.5					
14	113	621	8.592	10	✓ 10	↓			✓✓	✓✓	7.7					
15	114	1146	8.640	5	✓ 5	↓	↓				7.7					
16	115	528	8.663	SPR	✓ 3.3	↓	↓		✓✓	✓✓	7.8					
17																
18	125	1248	4.426								7.6					
19	12	1402	5.322								7.7					
20																
21																
22																
23																
24																

Watchkeeper(s): R/AM/DT

Bottom Depth: 346 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1403	0703
Bottom	1409	0709
End	1425	0725

Positional Information

Start

Lat: 49 ° 19.09 N

Lon: 123 ° 47.99 W

Bottom

Lat: 49 ° 19.10 N

Lon: 123 ° 48.01 W

End

Lat: 49 ° 19.09 N

Lon: 123 ° 48.00 W

Oxygen Info For This Cast

Blank Value: 0.000738 mL · L⁻¹

Std Value: 0.54601 mL · L⁻¹

*Date Run: 15 104 12011

Analyst: KS.

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

OXY WHITE BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: 39 Event #: 30 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | APR | 2011

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 ⁺	NO ₃ ⁻	PO ₄ ³⁻	SiO ₄ ²⁻	
1	116	1298	2.623	6-5	✓ 373	✓	✓							8.3
2	117	2014	2.774	350	✓ 350			✓						8.3
3	118	1404	3.086	300	✓ 300									8.3
4	119	1307	3.557	250	✓ 250									8.1
5	120	1392	4.371	200	✓ 200	✓								7.9
6	121	3090	4.783	175	✓ 175									7.6
7	122	1330	5.002	150	✓ 150									7.7
8	123	1397	4.890	125	✓ 125									7.7
9	124	3151	5.020	100	✓ 100		✓							7.8
10	125	1318	5.767	75	✓ 75									7.6
11	126	2020	4.976	50	✓ 50									7.9
12	127	1745	5.093	40	✓ 40	✓								7.8
13	128	1395	5.316	30	✓ 30									7.8
14	129	1327	5.860	20	✓ 20				✓✓	✓✓				7.7
15	130	1406	8.157	10	✓ 10				✓✓	✓✓				7.7
16	131	1407	9.042	5	✓ 5									7.6
17	132	1476	9.058	SPC	✓ 3.6	✓	✓		✓✓	✓✓				7.7
18														
19		1300	4.382											7.9
20		3206	5.103											7.8
21														
22														
23														
24														

Watchkeeper(s): R/HM/DT

Bottom Depth: 375 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1728	1028
Bottom		1036
End		1109

Positional Information

Start Lat: 49 ° 9.78 N
Lon: 123 ° 33.00 W

Start

Bottom Lat: ° N
Lon: ° W

Bottom

End Lat: ° N
Lon: ° W

End

Oxygen Info For This Cast

Blank Value: 0.000738 mL · L⁻¹
Std Value: 0.54601 mL · L⁻¹
*Date Run: 15/04/2011
Analyst: K5

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

BLUE OXY BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08

Station: 42

Event #: 36

Ship: Vector

UTC Date (dd|mmm|yyyy): 15 | APR | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	MP4 HPLC				
1	133	1213	2.915	13-5	☒	317							8.3	
2	134	3193	3.049	300	☒			X					8.3	
3	135	3260	3.345	250	☒								8.3	
4	136	1473	3.828	200	☒								8.0	
5	137	1106	4.310	175	☒								7.4	
6	138	2063	4.712	150	☒								7.7	
7	139	3075	4.976	125	☒								7.7	
8	140	1377	5.425	100	☒		X						7.6	
9	141	3019	5.329	75	☒								7.6	
10	142	1128	5.266	50									7.7	
11	143	1314	5.453	40		X							7.7	
12	144	712	5.685	30									7.7	
13	145	94	6.006	20					XX	XX			7.7	
14	146	3016	8.710	10					XX	XX			7.8	
15	147	1247	9.372	5									8.0	
16	148	2061	9.600	0					XX	XX			8.1	
17														
18														
19	143	3189	5.455	40									7.7	
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 320 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2243	1543
Bottom	2250	
End	2311	

Positional Information

Start
Lat: 49 ° 1.79 N
Lon: 123 ° 26.20 W

Bottom
Lat: 49 ° 1.80 N
Lon: 123 ° 26.18 W

End
Lat: 49 ° 1.81 N
Lon: 123 ° 26.17 W

Oxygen Info For This Cast

Blank Value: 0.000738 mL • L⁻¹

Std Value: 0.54601 mL • L⁻¹

*Date Run: 15 | 04 | 2011

Analyst: KS

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

Yellow

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: 59 Event #: 41 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | APR | 2011

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	1298	5.139	B-5	✓ 230	↓	↓									FLUSH BURETTE 3X
2	150	2014	5.146	200	✓	X		X								
3	151	1307	5.240	175	✓											
4	152	1392	5.301	150	✓											
5	153	1300	5.348	125	✓											
6	154	3090	5.915	100	✓											
7	155	1330	6.129	75	✓											
8	156	1397	6.249	50	✓											
9	157	3151	6.308	40	✓			X								
10	158	1318	6.386	30	✓											
11	159	2020	6.535	20	✓				XX	XX						
12	160	745	6.623	10	✓				XX	XX						
13	161	3206	6.645	5		X										
14	162	1321	6.643	0		↓	↓		XX	XX						
15																
16																
17	150	1408	5.145													
18	161	1395	6.652													
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SRZ

Bottom Depth: 235 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0436	2136
Bottom	0442	
End	0458	

Positional Information

Start

Lat: 48 ° 37.81 N

Lon: 123 ° 14.51 W

Bottom

Lat: 48 ° 37.80 N

Lon: 123 ° 14.53 W

End

Lat: 48 ° 37.81 N

Lon: 123 ° 14.55 W

Oxygen Info For This Cast

Blank Value: 0.000738 mL · L⁻¹

Std Value: 0.54601 mL · L⁻¹

*Date Run: 15 | 04 | 2011

Analyst: HM

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

Oxy- Baby Blue box

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: STA 102 Event #: 45 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 4 | 11

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	OC			
1	163	1213	1.913	252	✓ B-5	✓	✓	✓						
2	164	3193	2.286	200	✓ 200			✓						<i>no fine</i>
3	165	3200	2.504	175	✓ 175	✓								
3/4	166	1473	2.529	150	✓ 150	✓								<i>double fine</i>
5	167	2063	2.886	125	✓ 125									
6	168	3075	4.311	100	✓ 100									
7	169	1377	5.038	75	✓ 75									
8	170	3019	5.754	50	✓ 50									
9	171	1128	5.953	40	✓ 40	✓								
10	172	3189	6.190	30	✓ 30		✓							
11	173	712	6.332	20	✓ 20				✓✓	✓✓				
12	174	94	6.662	10	✓ 10				✓✓	✓✓				
13	175	3016	6.905	5	✓ 5									
14	176	1247	6.879	5	✓ 4.0	✓	✓		✓✓	✓✓				
15														
16														
17		1106	2.530											
18		1314	5.959											
19														
20														
21														
22														
23														
24														

Watchkeeper(s): R/IM/DT

Bottom Depth: 256 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1551	0851
Bottom	1557	0857
End	1612	0912

Positional Information

Start Lat: 48 ° 30.03 N
Lon: 124 ° 44.00 W

Start

Bottom

Lat: ° 30.01 N
Lon: ° 43.97 W

End

Lat: ° 29.94 N
Lon: ° 43.92 W

Oxygen Info For This Cast

Blank Value: 0.006738 mL · L⁻¹
Std Value: 0.54661 mL · L⁻¹
*Date Run: 15 | 04 | 11
Analyst: H.M.

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

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: 75 Event #: 48 Ship: VECTOR 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 HOE	PHATO			
1	177	1298	1.988	6-5	222	✓	✓						7.0	
2	178	2014	2.000	200		✓	✓	✓					6.9	
3	179	1408	2.039	175		✓	✓						7.0	
4	180	1307	2.448	150		✓	✓						7.2	
5	181	1300	3.043	125		✓	✓						7.8	big bubble and stopper
6	182	3090	4.307	100		✓	✓						7.8	
7	183	1330	5.177	75		✓	✓						7.8	stopper not seated
8	184	1397	5.869	50		✓	✓						7.8	
9	185	3151	5.952	40		✓	✓						7.9	
10	186	1318	6.294	30		✓	✓						7.9	
11	187	745	6.294	20		✓	✓		✓✓	✓✓			8.3	
12	188	3206	6.999	10		✓	✓		✓✓	✓✓			8.3	
13	189	1395	7.021	5		✓	✓		✓✓	✓✓			8.3	
14	190	1321	7.018	5		✓	✓		✓✓	✓✓	XXX		8.4	
15														
16														
4 18	180	1392	2.451										7.2	
10 18	186	2020	6.294										7.9	
19														
20														
21														
22														
23														
24														

Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start
 Lat: ° N
 Lon: ° W

Bottom
 Lat: ° N
 Lon: ° W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.000478 mL · L⁻¹

Std Value: 0.04583 mL · L⁻¹

*Date Run: 16.104.12011

Analyst: KS

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

BLUE OXY BOX

This N: 222447

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08

Station: 72

Event #: 51

Ship: Vector

UTC Date (dd|mmm|yyyy): 17 | APR | 2011

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				
1	191	1337	2.218	B-5	✓ 185								7.2	
2	192	3108	2.232	175	✓			X					7.1	
3	193	468	2.354	150	✓								7.1	
4	194	631	3.529	125	✓								7.6	
5	195	1475	4.288	100	✓								7.7	
6	196	1248	4.889	75	✓								7.7	
7	197	3028	5.411	50	✓		XX						7.6	
8	198	1373	5.610	40									7.6	
9	199	1404	6.085	30		XX							7.8	
10	200	1319	6.287	20	6.245				XX	XX			7.8	
11	201	1378	6.292	10					XX	XX			7.9	
12	202	647	6.294	5									7.9	
13	203	3157	6.285	0		↓	↓		XX	XX			8.0	
14														
15														
16														
17	199	3126	6.087										7.8	
18	195	1261	4.287											
19														
20														
21														
22														
23														
24														

hoops 5

white.

Watchkeeper(s): SR

Bottom Depth: 190 m

Transmisso Cleaned: (Y) N

	UTC	Local
Time Start	0042	1748
Bottom	0053	
End	0106	

Positional Information

Start Lat: 48 ° 18.63 N

Lon: 124 ° 4.10 W

Start

Bottom Lat: 48 ° 18.64 N

Lon: 124 ° 4.11 W

Bottom

End Lat: 48 ° 18.65 N

Lon: 124 ° 4.18 W

End

Oxygen Info For This Cast

Blank Value: 0.000478 mL · L⁻¹

Std Value: 0.57883 mL · L⁻¹

*Date Run: 16 | 04 | 2011

Analyst: KS

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

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08Station: ADCPEvent #: 56Ship: VectorUTC Date (dd|mmm|yyyy): 17 | APR | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	TEMP						
1	204	1421	4.454	8-5	✓ 118									7.5		
2	205	1488	4.988	100	✓ 100			X						7.5		
3	206	708	5.375	75	✓ 75									7.6		
4	207	1322	5.661	50	✓ 50									7.7		
5	208	3181	5.871	40	✓ 40									7.7		
6	209	3203	6.092	30	✓ 30		XX							7.7		LID BROKE
7	210	1481	6.098	20	✓ 20				✓✓	✓✓				7.8		
8	211	2084	4.922	10	✓ 10	XX			✓✓	✓✓				7.8		* WRONG SAMPLE
9	212	3007	6.102	5	✓ 5									7.9		4.922 IS FROM STA
10	213	2033	6.113	0	✓ 3.4	↓	↓		✓✓	✓✓				8.0		(65 # 215 - NOT 211)
11																3055
12	211	2084	6.097													
13																
14	211	1400	6.096											7.9		
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): KE/M/MTBottom Depth: 120 (m)Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0718	1218
Bottom	0723	1223
End	0731	1231

Positional Information

Start
Lat: 48 ° 14.00 N
Lon: 123 ° 18.02 WBottom
Lat: 48 ° 14.02 N
Lon: 123 ° 18.00 WEnd
Lat: 48 ° 14.00 N
Lon: 123 ° 18.01 W

Oxygen Info For This Cast

Blank Value: 0.000478 mL · L⁻¹Std Value: 0.54583 mL · L⁻¹*Date Run: 16 | 4 | 11Analyst: H.M.

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

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: 62 Event #: 64 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | APR | 2011

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 N	NO ₃ N					
1	224	1298	4.710	6.5	✓ 148	✓	✓									
2	225	2014	4.736	125	✓ 125			✓								
3	226	1408	5.030	100	✓ 100											
4	227	1307	5.317	75	✓ 75											
5	228	1392	5.814	50	✓ 50	✓										
6	229	3090	5.951	40	✓ 40											
7	230	1330	5.997	30	✓ 30											
8	231	1397	5.917	20	✓ 20		✓		✓✓	✓✓						
9	232	3151	5.979	10	✓ 10				✓✓	✓✓						
10	233	1318	5.964	5	✓ 5											
11	234	2020	5.973	sfc	✓ 3.7	✓	✓		✓✓	✓✓						
12																
13																
14	228	1300	5.818													
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): R. H. VEST

Bottom Depth: 150 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	1259	0559
Bottom	1302	0602
End	1312	0612

Positional Information

Start

Lat: 48 ° N

Lon: 123 ° W

Bottom

Lat: 48 ° N

Lon: 123 ° W

End

Lat: 48 ° N

Lon: 123 ° W

Oxygen Info For This Cast

Blank Value: 0.000478 mL · L⁻¹

Std Value: 0.54593 mL · L⁻¹

*Date Run: 16 4 11

Analyst: H.M.

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

Blue

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08 Station: 56 Event #: 69 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | APR | 2011

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	235	1421	5.785	6.5	☒ 209	☒	☒						7.9	
2	236	708	5.814	200	☒			☒					7.9	
3	237	1488	5.872	175	☒								7.9	
4	238	3181	5.886	150	☒	☒							7.9	
5	239	3137	5.933	125	☒								7.9	
6	240	1481	5.948	100	☒		☒						7.8	
7	241	2084	6.057	75	☒								7.8	
8	242	1400	6.099	50	☒								7.7	
9	243	3007	6.168	40	☒								7.7	
10	244	2033	6.187	30	☒								7.7	
11	245	1311	6.198	20		☒			☒	☒			7.7	
12	246	2065	6.222	10					☒	☒			7.7	
13	247	2069	6.230	5									7.7	
14	248	690	6.230	sfc		☒	☒		☒	☒			7.7	
15														
16														
17	238	1322	5.883										7.8	
18	245	3055	6.197										7.8	
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 214 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	2017	1317
Bottom	2022	
End	2038	

Positional Information

Start

Lat: 48 ° 46.45 N

Lon: 123 ° 1.52 W

Bottom

Lat: 48 ° 46.43 N

Lon: 123 ° 1.42 W

End

Lat: 48 ° 46.70 N

Lon: 123 ° 1.60 W

Oxygen Info For This Cast

Blank Value: 0.000601 mL · L⁻¹

Std Value: 0.546017 mL · L⁻¹

*Date Run: 17 | 04 | 2011

Analyst: KS

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

orange.

Thio N: 0.22253

Water Properties Group

Rosette Log

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

Cruise ID: 2011-08

Station: 46

Event #: 76

Ship: Vector

UTC Date (dd|mmm|yyyy): 18 | APR | 2011

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						T	
1	249	1298	5.780	8.5	☒	179										7.9	
2	250	2014	5.267	150	☒				X							7.9	
3	251	1408	5.889	125	☒											7.9	
4	252	1307	5.927	100	☒											7.8	
5	253	1392	5.964	75	☒			XX								7.8	
6	254	3206	5.937	50	☒											7.7	Spigot b push in
7	255	3090	5.962	40	☒		XX									7.7	
8	256	1397	5.988	30	☒											7.7	
9	257	3151	6.014	20						XX	XX					7.7	
10	258	1318	6.248	10						XX	XX					7.7	
11	259	2020	7.903	5												7.9	
12	260	745	8.311	0			↓	↓		XX	XX					8.1	
13				0 }		for Nine, no sample #s assigned											
14				0 }													
15																	
16	255	1180	5.963													7.7	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): SR

Bottom Depth: 184 m

Transmisso Cleaned: ☒ Y ☐ N

	UTC	Local
Time Start	0105	1805
Bottom	0109	
End	0120	

Positional Information

Start Lat: 48 ° 51.38 N
Lon: 123 ° 10.78 W

Start

Bottom Lat: 48 ° 51.37 N
Lon: 123 ° 10.78 W

Bottom

End Lat: 48 ° 52.34 N
Lon: 123 ° 10.83 W

End

Oxygen Info For This Cast

Blank Value: 0.000601 mL · L⁻¹
Std Value: 0.546017 mL · L⁻¹
*Date Run: 17 | 04 | 2011
Analyst: KS

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

Baby Blue Oxy Box

This N: 0.22253