

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-17			8	2043	129	7.4	2.011		1				
Event:	2			10	690	5	12.0	6.765						
Station:	P 1	3	☐							3				
Event Date (Local):	8/6/13									4				
Analysis Date (Local):	9/6/13									5				
Analyst:	H. A.													
Stdization Date (Local):	9/6/13									7				
KIO ₃ N:	0.0100246	8	☐							8				
Standard Titer:	0.7187	9	☐							9				
Blank Titer:	0.0023	10	☐							10				
THIO N:	0.14031	11	☐							11				
Sample Flask Water Seal?	Yes	12	☐											
	No	13	☐							13				
Reagent Change?	MnCl ₂	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15	☐							15				
	H ₂ SO ₄	16	☐											
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17	☐							17				
	THIO	18	☐							18				
Notes:		19	☐							19				
		20	☐											
		21	☐							21				
		22	☐							22				
		23	☐							23				
		24	☐							24				

**Institute of Ocean Sciences
Water Properties Group**

[illegible]

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-17			43	3033	1320	4.0	0.571		1				
Event:	B			44	3035	1250	4.0	0.460		2				
Station:	P4			45	3018	1250	4.2	0.464			3037	4.3	0.497	
Event Date (Local):	8 JUN			46	3084	1000	4.9	0.244						
Analysis Date (Local):	9/6/13			47	3028	800	5.3	0.221		5				
Analyst:	H.M.	6	☐	48	3023	600	5.7	0.355		6				BUBBLE ON LENS (95% T)
Stdization Date (Local):	9/6/13	7	☐	49	2059	400	6.1	1.049		7				
KIO ₃ N:	0.0100246	8	☐	50	3021	300	6.6	1.905		8				
Standard Titer:	0.7187	9	☐	51	3014	250	1.8	2.361						
Blank Titer:	0.0023	10	☐	52	3020	200	7.2	2.904		10				
THIO N:	0.14031	11	☐	53	3022	175	7.5	2.819		11				
Sample Flask Water Seal?	(Yes) (LATE) No α 2 HRS	12	☐	54	3104	150	7.7	3.020		12				
		13	☐	55	552	125	7.9	3.457		13				
Reagent Change?	MnCl ₂ X	14	☐	56	3032	100	7.9	3.819						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH X	15	☐	57	3007	75	7.8	5.520			708	7.9	5.696	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ X	16	☐	58	3034	50	8.3	6.581		16				
	KIO ₃ X	17	☐	59	396	25	11.1	6.728		17				
	THIO X	18	☐	60	2069	10	12.4	6.851						
Notes: GREEN BOX		19	☐	61	2035	5	12.6	6.875		19				
		20	☐							20				
		21	☐							21				
		22	☐											
		23	☐							23				
		24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-17			166A	3190	2000	3.2	1.410	WRONG SAMPLE # & FLASK in FILE 168B	1	2088	3.5	1.423	2000 m
Event: 22	2	☐	169	3047	1500	3.8	0.678						
Station: P8	3	☐	170	2065	1250	4.1	0.455		3				
Event Date (Local): 10/6/13	4	☐	171	631	1000	4.6	0.260		4				
Analysis Date (Local): 12/6/13	5	☐	172	3009	800	5.2	0.224		5				
Analyst: H.M.	6	☐	173	2055	600	5.6	0.412		6				
Stdization Date (Local): 12/6/13	7	☐	174	2086	400	6.2	2.155						BUBBLE ON LENS
KIO ₃ N: 0.0100 246	8	☐	175	2014	300	6.5	1.550		8				
Standard Titer: 0.719	9	☐	176A	621	250	6.9	2.003	176B		3142	6.9	1.995	250 m
Blank Titer: 0.0023	10	☐	177	3209	200	7.3	2.605		10				
THIO N: 0.14025	11	☐	178	715	175	7.5	2.776		11				
Sample Flask Water Seal? ☒ Yes	12	☐	179	3111	150	7.5	2.918						
No	13	☐	180	1053	125	7.8	3.249		13				
Reagent Change? MnCl ₂ ☒	14	☐	181	3038	100	8.2	4.183		14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐	182A	611	75	8.0	5.380	182B		2049	8.0	5.375	75 m
NaI/NaOH ☒	16	☐	183	570	50	8.2	6.328		16				
H ₂ SO ₄ ☒	17	☐	184	2090	25	11.5	6.694		17				
NOTE NEW BATCH IN LOG BOOK	18	☐	185	712	10	11.7	6.576		18				
THIO ☒	19	☐	186	2033	5	11.7	6.566		19				
Notes:	20	☐							20				
	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-17	1	☐	210	1105	3275	2.6	2.341		1				
Event: 32	2	☐	211	1106	3000	2.6	2.298		2				
Station: P12	3	☐	212	1110	3000	2.6	2.291		3	1114	2.6	2.277	
Event Date (Local): 11/6/13	4	☐	213	1119	2500	2.5	1.887		4				
Analysis Date (Local): 12/6/13	5	☐	214	1123	2000	2.8	1.376		5				
Analyst: H.M.	6	☐	215	1124	1500	3.5	0.675		6				
Stdization Date (Local): 12/6/13	7	☐	216	1126	1250	6.9	3.618	OBVIOUS MISFIRE	7				BUBBLE ON LENS
KIO ₃ N: 0.0100246	8	☐	217	1127	1000	4.5	0.243	COLOURMETER ISSUES (OPERATOR ERROR)	8	1128	4.7	0.255	
Standard Titer: 0.719	9	☐	218	1130	800	4.9	0.286	BUBBLE ON LENS	9				
Blank Titer: 0.8023	10	☐	219	1134	600	5.2	0.953		10				
THIO N: 0.14025	11	☐	220	1136	400	5.5	1.645		11				
Sample Flask Water Seal? Yes	12	☐	221	1141	300	6.1	2.112		12				
No	13	☐	222	1142	250	6.4	2.517		13				
Reagent Change? MnCl ₂ ✓	14	☐	223	1144	200	6.9	3.778		14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐	224	1146	175	7.3	3.330		15				
NaI/NaOH ✓	16	☐	225	1150	150	7.6	3.523		16	1153	7.6	3.516	
H ₂ SO ₄ ✓	17	☐	226	1158	125	7.6	4.255		17				
NOTE NEW BATCH IN LOG BOOK	18	☐	227	1138	100	7.5	5.184		18				
THIO ✓	19	☐	228	1174	75	7.5	6.065		19				
Notes: #7 Temp = 6.9 °C	20	☐	229	1175	50	8.1	6.682	50m NOT 550m	20	1177	8.0	6.678	
*	21	☐	230	1178	25	10.2	6.710		21				
	22	☐	231	1180	10	10.6	6.599		22				
	23	☐	232	1182	5	10.7	6.589		23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Press

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-17			332	1105	3687	2.3	2.745		1				
Event: 49			333	1106	3580	2.2	2.675						
Station: P16			334	1110	3500	2.4	2.686		3				
Event Date (Local): 12/6/13	4	☐	335	1114	3000	2.2	2.373		4				
Analysis Date (Local): 13/6/13	5	☐	336	1119	2500	2.4	1.869		5				
Analyst: H.M.			337	1123	2000	2.6	1.288			1124	2.9	1.189	BUBBLE ON LENS (94%)
Stdization Date (Local): 12/6/13	7	☐	338	1126	1500	3.1	0.540		7				
KIO ₃ N: 0.0100246	8	☐	339	1127	1250	3.5	0.290		8				
Standard Titer: 0.719	9	☐	340	1130	1000	3.8	0.267		9				
Blank Titer: 0.0023	10	☐	341	1130	800	4.3	0.372		10				
THIO N: 0.14025	11	☐	342	1134	600	—	—	MIS FIRE (BOTTOM LID DIDNT CLOSE)	11				
Sample Flask Water Seal? Yes	12	☐	343	1136	400	5.5	1.436						
No	13	☐	344	1141	200	6.0	2.213			1142	6.0	2.209	
Reagent Change? MnCl ₂ Y	14	☐	345	1144	250	6.3	2.433		14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐	346	1146	200	6.7	2.968		15				
NOTE NEW BATCH IN LOG BOOK	16	☐	347	1150	175	7.0	3.446			1153	7.0	3.440	
	17	☐	348	1150	150	6.9	4.304	BUBBLE ON LENS (96%)					1
	18	☐	349	1138	125	7.2	5.412		18				
Notes:	19	☐	350	1174	100	7.3	6.208		19				
	20	☐	351	1175	75	7.5	6.570	BUBBLE ON LENS (I CHECKED BEFORE - HONESTLY)		1177	7.5	6.713	
	21	☐	352	1178	50	8.7	6.844		21				
	22	☐	353	1180	25	9.9	6.684		22				
	23	☐	354	1182	10	10.0	6.685		23				
	24	☐	355	1188	5	10.0	6.691						

3687

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-17			432	1105	4024	2.1	3.000		1				
Event:	65	2	☐	433	1106	3500	2.1	2.803		2				
Station:	P20	3	☐	434	1110	3500	2.1	2.867	leaking vent open		1114	2.1	2.873	
Event Date (Local):	14/6/13	4	☐	435	1119	3000	2.1	2.538		4				
Analysis Date (Local):	20/6/13	5	☐	436	1123	2500	2.3	1.996		5				
Analyst:	H.T.	6	☐	437	1124	2000	2.5	1.291		6				
Stdization Date (Local):	20/6/13	7	☐	438	1126	1500	3.1	0.566	redraw					
KIO ₃ N:	0.0100246	8	☐	439	1127	1250	3.3	0.402		8				
Standard Titer:	0.7177	9	☐	440	1128	1000	3.5	0.375		9				
Blank Titer:	0.0023	10	☐	441	1130	800	3.9	0.489			1134	4.0	0.482	
THIO N:	0.14051	11	☐	442	1136	600	4.5	0.681		11				
Sample Flask Water Seal?	Yes	12	☐	443	1141	400	4.8	1.362		12				
	No	13	☐	444	1142	300	4.9?	2.028						
Reagent Change?	MnCl ₂ X	14	☐	445	1144	250	5.2	2.751		14				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH X	15	☐	446	1146	200	5.6	3.924			1150	5.7	3.927	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ X	16	☐	447	1153	175	5.7	4.506		16				
	KIO ₃ X	17	☐	448	1158	150	5.9	5.783						
	THIO X	18	☐	449	1138	125	6.1	6.844		18				
Notes:		19	☐	450	1174	100	6.4	7.003		19				
		20	☐	451	1175	75	6.6	7.096		20				
		21	☐	452	1177	50	7.1	7.257						
		22	☐	453	1178	25	9.3	6.751		22				
		23	☐	454	1180	10	9.5	6.720			1182	9.5	6.726	
		24	☐	455	1188	5	9.4	6.721		24				

49 34.01
138 39.91 4034d

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-17			612	1400	418	2.4	3.244		1				
Event:	86			613	1401	4000	2.1	3.172			1402	2.1	3.155	
Station:	P26			614	1404	3500	2.1	2.932		3				
Event Date (Local):	18/6/13			615	1406	3000	2.2	2.498		4				
Analysis Date (Local):	20/6/13	5	☐	616	1407	2500	2.4	1.920		5				
Analyst:	H.M.	6	☐	617	1408	2000	2.5	1.301		6				
Stdization Date (Local):	20/6/13	7	☐	618	1409	1500	2.8	0.587						
KIO ₃ N:	0.0100246	8	☐	619	1411	1250	3.1	0.499			1413	3.2	0.501	
Standard Titer:	0.7177	9	☐	620	1414	1000	3.4	0.527		9				
Blank Titer:	0.0023	10	☐	621	1416	800	3.8	0.528		10				
THIO N:	0.14050	11	☐	622	1417	600	4.2	0.565		11				
Sample Flask Water Seal?	Yes	12	☐	623	1418	400	4.5	0.947		12				
	No	13	☐	624	1421	300	4.4	1.347						
Reagent Change?	MnCl ₂ X	14	☐	625	1422	250	4.5	1.908		14	1424	4.5	1.928	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH X	15	☐	626	1426	200	4.5	2.664		15				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ X	16	☐	627	1427	175	4.6	3.103		16				
	KIO ₃ Y	17	☐	628	1428	150	4.8	4.151						
	THIO X	18	☐	629	1429	125	5.2	6.300			1430	5.2	6.297	
Notes:		19	☐	630	1432	100	5.5	6.963		19				
		20	☐	631	1433	75	5.8	7.139		20				
		21	☐	632	1434	50	6.3	7.200						
		22	☐	633	1440	25	8.8	6.827		22				
		23	☐	634	1442	10	9.0	6.834		23				
		24	☐	635	1443	5	9.0	6.829		24				