

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments		
Cruise Number:	2022-012	1												1				140	142A	142B	144
Event:	36	2		140	3117	7.0	2.044							2				OXY	OXY	OXY	OXY
Station:	FC1	3												3			2.037	FC1	FC1	FC1	FC1
Event Date (Local):	10-04-22	5		142A	438	7.0	2.049							4	142B	730	7.1	2022-012	2022-012	2022-012	2022-012
Analysis Date (Local):	20 Apr 2022	6		143	929	7.1	2.027	2.095						5				b-5 m	700 m	700 m	500 m
Analyst:	KS	7		144	3031	7.1	2.223	2.027						6				bot 2	bot 5	bot 5	bot 7
Stdization Date (Local):	20 Apr '22	8		145	1406	7.1	2.237	2.223						7							
KIO ₃ N:	0.0119622	9		146	954	7.1	2.317	2.317						8				143	145	146	148
Standard Titer:	0.49961	10		147	437								not sampled	9				OXY	OXY	OXY	OXY
Blank Titer:	0.00037	11		148	658	7.1	2.365							10				FC1	FC1	FC1	FC1
THIO N:	0.23967	12		149	547	7.3	2.412							11				2022-012	2022-012	2022-012	2022-012
Sample Flask Water Seal?	Yes	13		150	943	7.3	4.147							12				600 m	400 m	300 m	200 m
	No	14		151A	196	7.8	4.582							13	151B	1015	7.8	bot 6	bot 8	bot 9	bot 10
Reagent Change?	MnCl ₂	15		152	2088	7.4	4.526							14				7.8	4.585		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	16		153	3155	7.4	4.849							15							
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	17		154	931	7.4	5.138							16							
	KIO ₃	18		155	2086	7.4	5.654							17							
	THIO	19		156	1019	7.4	6.619							18							
Notes:		20		157	16	7.6	7.604							19							
FC1 = Finlayson Channel Station		21		149	150	151A	151B	152	153	154	155	156	157								
18 - Octopus.xlsx		22		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY								
MnCl ₂ = 2201		23		FC1	FC1	FC1	FC1	FC1	FC1	FC1	FC1	FC1	FC1								
NaI/NaOH = 2101		24		2022-012	2022-012	2022-012	2022-012	2022-012	2022-012	2022-012	2022-012	2022-012	2022-012								
				150 m	100 m	75 m	75 m	50 m	30 m	20 m	10 m	5 m	0 m								
				bot 11	bot 12	bot 13	bot 13	bot 14	bot 15	bot 16	bot 17	bot 18	bot 19								

Bottle integrity: First test the top vent (V) by op

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments		
Cruise Number:	2022-012	1			3162									1				232	234	236	238A
Event:	74	2		232	1054	9.6	1.856							2				OXY	OXY	OXY	OXY
Station:	SE4	3			956									3				SE4	SE4	SE4	SE4
Event Date (Local):	13-04-22	4		234	456	9.5	1.929							4				2022-012	2022-012	2022-012	2022-012
Analysis Date (Local):	20 Apr. 2022	5			3054									5				b-5 m	400 m	300 m	200 m
Analyst:	KS	6		236	650	9.5	2.056							6				bot 2	bot 4	bot 6	bot 8
Stdization Date (Local):	20 Apr 2022	7			2084									7		3035			238B	240	242
KIO ₃ N:	0.0119622	8		238A	2032	9.3	2.227							8	238B	3150	9.4	2.292	OXY	OXY	OXY
Standard Titer:	0.49961	9			955									9					SE4	SE4	SE4
Blank Titer:	0.00037	10		240	1407	8.3	4.875							10					2022-012	2022-012	2022-012
THIO N:	0.23967	11												11					200 m	100 m	75 m
Sample Flask Water Seal?	Yes	12		242	1192	8.1	5.522							12					bot 8	bot 10	bot 12
	No	13												13					244	246A	246B
Reagent Change?	MnCl ₂	14		244	3034	7.8	5.712							14					OXY	OXY	OXY
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												15					SE4	SE4	SE4
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		246A	3061	8.1	4.895							16	246B	3045	8.1	4.884	2022-012	2022-012	2022-012
	KIO ₃	17												17					50 m	20 m	20 m
	THIO	18		248	3048	8.1	5.928							18					bot 14	bot 16	bot 16
Notes:		19												19					248	250	252
		20		250	3020	8.6	6.400							20					OXY	OXY	OXY
		21												21					SE4	SE4	SE4
		22		252	3032	8.6	6.777							22					2022-012	2022-012	2022-012
		23												23					10 m	5 m	0 m
		24												24					bot 18	bot 20	bot 22

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Scanned

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022-012	1		343	3180	7.4	3.952		1					
Event:	110	2		344	3164	7.4	4.131		2					
Station:	QSC2	3		345A	941	7.5	4.860		3	345B	2015	7.5	4.859	
Event Date (Local):	15-04-22	4		346	3068	7.5	5.356		4					
Analysis Date (Local):	20 Apr 2022	5		347	3090	7.5	5.702		5					
Analyst:	KS	6		348	3036	7.5	5.869		6					
Stdization Date (Local):	20 Apr 2022	7		349	3147	7.5	6.094		7					
KIO ₃ N:	0.0119622	8		350	3131	7.5	6.233		8					
Standard Titer:	0.49961	9		351	3106	7.5	6.424		9					
Blank Titer:	0.00037	10		352	1054	7.4	6.535		10					
THIO N:	0.23967	11							11					
Sample Flask Water Seal?	☒ Yes ☐ No	12		343					12					
		13		OXY	344				13					
		14		QSC2	QSC2				14					
Reagent Change?	MnCl ₂	15		2022-012	2022-012				15					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	16		b-5 m	150 m				16					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	17		bot 1	bot 2				17					
	KIO ₃	18							18					
	THIO	19							19					
Notes:		20							20					
		21							21					
16 - Bender.xlsx		22							22					
		23							23					
		24							24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Scanned

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022-012	1							1					
Event:	151	2		475	2094	8.1	2.912		2					
Station:	KN8	3							3					
Event Date (Local):	17-04-22	4		477	3110	8.0	3.063		4					
Analysis Date (Local):	20 Apr 2022	5							5					
Analyst:	KS	6		479A	1470	7.9	3.331		6	479B	3194	7.9	3.324	
Stdization Date (Local):	20 Apr 2022	7							7					
KIO ₃ N:	0.0119622	8		481	942	7.7	4.307		8					
Standard Titer:	0.49961	9							9	475		477		479A
Blank Titer:	0.00037	10		483	940	7.7	4.168		10	OXY		OXY		479B
THIO N:	0.23967	11							11	KN8		KN8		OXY
Sample Flask Water Seal?	Yes	12		485	3094	7.7	4.069		12	2022-012		2022-012		KN8
	No	13							13	b-5 m		300 m		200 m
Reagent Change?	MnCl ₂	14		487	1408	7.7	3.593		14	bot 2		bot 4		bot 6
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					bot 6
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		489	3000	7.5	5.811	leak on spigot	16	483		485		487
	KIO ₃	17							17	OXY		OXY		491
	THIO	18		491	1347	7.6	7.129		18	KN8		KN8		OXY
Notes:		19							19	2022-012		2022-012		KN8
		20		493	3029	7.7	7.897		20	75 m		50 m		20 m
		21							21	bot 10		bot 12		5 m
		22							22					10 m
		23							23					
		24							24	493				
										OXY				
										KN8				
										2022-012				
										0 m				
										bot 20				

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either

grity check and explain this in the comments column.