

Shark swordfish

Dissolved Oxygen Analysis Log Sheet

Last Updated: July 2015

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2016-12		1	X	476	3057	9.1	0.290	Slow leak on Niskin valve	1					
Event: 99		2		477A	3067	9.0	1.201		2	477B	3049	9.1	1.213	
Station: EFFOS		3		478	3119	9.1	1.530	Accidentally topped early, Redrawn	3					
Event Date (Local): 15/07/2016		4		479	3074	9.0	1.088		4					
Analysis Date (Local): 15 July 16		5		480	3076	9.1	1.248		5					
Analyst: Tamar		6		481A	2020	9.1	1.697		6	481B	3052	9.2	1.700	
Stdization Date (Local): 15 July 16		7		482	3062	9.6	1.788		7					
KIO ₃ N: 0.0120874		8		483	3055	10.1	2.980		8					
Standard Titer: 0.5159986		9		484	3065	10.5	3.684		9					
Blank Titer: 0.000478		10		485	3075	11.2	5.243		10					
THIO N: 0.234531		11		486	3010	17.0	7.244		11					
Sample Flask Water Seal? Yes		12							12					
No		13							13					
Reagent Change? MnCl ₂		14							14					
(Please circle reagent that was changed prior to sampling and standardization)		15							15					
NOTE NEW BATCH IN LOG BOOK		16							16					
		17							17					
		18							18					
		19							19					
		20							20					
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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.

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Cruise Number: 2016-12	1			487	3066	9.3	1.567								1					
Event: 100	2			488	3041	9.1	1.752								2					
Station: E F 06	3			489	3072	9.2	1.638						Re-drawn		3	489B	3059	9.3	1.626	
Event Date (Local): 15/07/2016	4			490	1409	9.1	1.692								4					
Analysis Date (Local): 15 July 16	5			491	3046	9.6	1.775						small bubble in flask before opening		5					
Analyst: Tamariz	6			492	3051	10.0	3.065								6					
Stdization Date (Local): 15 July 16	7			493A	3044	10.5	4.139						bubbles in flask	" "	7	493B	3094	10.5	4.067	
KIO ₃ N: 0.0120874	8			494	3048	10.9	4.792								8					
Standard Titer: 0.5159986	9			495	3027	13.7	7.253								9					
Blank Titer: 0.000478	10														10					
THIO N: 0.234531	11														11					
Sample Flask Water Seal? ☒ Yes	12														12					
	13														13					
Reagent Change? MnCl ₂	14														14					
(Please circle reagent that was changed prior to sampling and standardization)	15														15					
	16														16					
NOTE NEW BATCH IN LOG BOOK	17														17					
	18														18					
	19														19					
	20														20					
	21														21					
	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.

Squid

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Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2016-12	1			496	3056	9.2	1.677							1					
Event: 101	2			497	1058	9.1	1.674							2					
Station: EFF07	3			498	3021	9.1	1.683							3					
Event Date (Local): 15/07/2016	4			499	2056	9.7	1.854							4	499B	3104	9.7	1.837	
Analysis Date (Local): 15 July 16	5			500	3055	10.8	3.420					Flask 2095		5					
Analyst: Tamarac	6			501	3088	10.5	4.059							6					
Stdization Date (Local): 15 July 16	7			502	3019	11.4	5.229							7					
KIO ₃ N: 0.0120874	8			503	2055	16.3	7.239							8					
Standard Titer: 0.5159986	9													9					
Blank Titer: 0.000478	10													10					
THIO N: 0.234531	11													11					
Sample Flask (Yes)	12													12					
Water Seal? No	13													13					
Reagent Change? MnCl ₂	14													14					
(Please circle reagent that was changed prior to sampling and standardization)	15													15					
NOTE NEW BATCH IN LOG BOOK	16													16					
	17													17					
	18													18					
Notes:	19													19					
	20													20					
	21													21					
	22													22					
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Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 206-12	1			504A	2084	9.3	1.730			1	504B	3028	9.5	1.736					
Event: 102	2			505	1053	9.5	1.731			2									
Station: EFF08	3			506	1002	9.5	1.844			3									
Event Date (Local): 15/07/2016	4			507	1054	10.0	3.462			4									
Analysis Date (Local): 15 July 16	5			508	638	10.5	4.051	bubble while stirring		5									
Analyst: Tamera	6			509	647	11.0	4.873			6									
Stdization Date (Local): 15 July 16	7			510	715	17.0	7.128			7									
KIO ₃ N: 0.010 0.012 0.0874	8									8									
Standard Titer: 0.5159986	9									9									
Blank Titer: 0.000478	10									10									
THIO N: 0.234531	11									11									
Sample Flask (Yes)	12									12									
Water Seal? No	13									13									
Reagent Change? MnCl ₂	14									14									
(Please circle reagent that was changed prior to sampling and standardization)	15									15									
NOTE NEW BATCH IN LOG BOOK	16									16									
	17									17									
	18									18									
Notes:	19									19									
	20									20									
	21									21									
	22									22									
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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2016-12							1			S11	G38	10.1	3.006		1					
Event: 103							2			S12A	G20	10.0	3.308		2	S12B	G31	10.0	3.310	
Station: EFF08							3			S13	G22	10.6	4.379		3					
Event Date (Local): 15/07/2016							4			S14	G57	11.2	5.068		4					
Analysis Date (Local): 15 July 16							5			S15	3007	15.8	6.972		5					
Analyst: Tamar							6								6					
Stdization Date (Local): 15 July 16							7								7					
KIO ₃ N: 0.0120874							8								8					
Standard Titer: 0.5159986							9								9					
Blank Titer: 0.000478							10								10					
THIO N: 0.234531							11								11					
Sample Flask (Yes)							12								12					
Water Seal? No							13								13					
Reagent Change? MnCl ₂							14								14					
(Please circle reagent that was changed prior to sampling and standardization)							15								15					
NOTE NEW BATCH IN LOG BOOK							16								16					
							17								17					
							18								18					
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Cruise and Analysis Information							OXY-1					OXY-2				
	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments			
Cruise Number: 2016-12	1		516	7087	9.0	1.846		1				±				
Event: 104	2		517A	3192	9.1	1.905		2	517B	3040	9.1	1.906				
Station: EFF10	3		518	3013	9.7	2.338		3								
Event Date (Local): 15/07/2016	4		519	3075	9.9	3.380		4								
Analysis Date (Local): 15 July 16	5		520	557	10.4	4.153		5								
Analyst: Tamariz	6		521A	3093	11.2	5.256		6	521B	3088	11.3	5.279				
Stdization Date (Local): 15 July 16	7		522	575	15.9	7.034		7								
KIO ₃ N: 0.0120874	8							8								
Standard Titer: 0.559986	9							9								
Blank Titer: 0.000478	10							10								
THIO N: 0.234531	11							11								
Sample Flask Water Seal? ☒ Yes	12							12								
	13							13								
Reagent Change? MnCl ₂	14							14								
(Please circle reagent that was changed prior to sampling and standardization)	15							15								
	16							16								
NOTE NEW BATCH IN LOG BOOK	17							17								
	18							18								
	19							19								
	20							20								
	21							21								
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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2016-12						1			523	510	8.43	2.099		1					
Event:	105						2			524	528	9.7	2.795		2					
Station:	EFF1						3			525A	3055	10.1	3.773		3	525B	304	10.1	3.789	
Event Date (Local):	15/07/2016						4			526	612	10.7	4.650		4					
Analysis Date (Local):	15 July 16						5			527	2058	11.7	6.144		5					
Analyst:	Tamer						6			528	586	14.8	7.101		6					
Stdization Date (Local):	15 July 16						7								7					
KIO ₃ N:	0.0120874						8								8					
Standard Titer:	0.5159986						9								9					
Blank Titer:	0.000478						10								10					
THIO N:	0.234531						11								11					
Sample Flask Water Seal?	(Yes)						12								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								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃						17								17					
	THIO						18								18					
Notes:							19								19					
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Cruise Number: 2016-12		1		528	3043	9.1	2.200		1					
Event: 106		2		530	3162	9.1	2.159		2					
Station: EFF 12		3		531	3096	9.6	3.122		3					
Event Date (Local): 15/07/2016		4		532A	3175	10.0	3.854		4	532B	570	10.1	3.875	
Analysis Date (Local): 15 July 2016		5		533	3087	10.7	4.733		5					
Analyst: Tamarc		6		534	3023	11.8	6.988		6					
Stdization Date (Local): 15 July 16		7		535	3161	16.3	7.339		7					
KIO ₃ N: 0.0120874		8							8					
Standard Titer: 0.5159986		9							9					
Blank Titer: 0.000478		10							10					
THIO N: 0.234531		11							11					
Sample Flask Water Seal? ☒ Yes		12							12					
		13							13					
Reagent Change? MnCl ₂		14							14					
(Please circle reagent that was changed prior to sampling and standardization)		15							15					
NOTE NEW BATCH IN LOG BOOK		16							16					
		17							17					
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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2016-17	1			536	307B	8.9	2.364								1					
Event: 107	2			537	456	9.0	2.261								2					
Station: EFF13	3			538A	471	9.6	3.239								3	538B	1406	9.6	3.245	
Event Date (Local): 15/07/2016	4			539	3005	10.3	4.213								4					
Analysis Date (Local): 15 July 16	5			540	196	10.7	5.080								5					
Analyst: Tamar	6			541	712	11.3	6.190								6					
Stdization Date (Local): 15 July 16	7			542	307B	15.6	7.515								7					
KIO ₃ N: 0.0120874	8														8					
Standard Titer: 0.5159986	9														9					
Blank Titer: 0.000478	10														10					
THIO N: 0.234531	11														11					
Sample Flask Water Seal? ☒ es	12														12					
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