

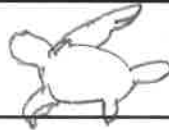
Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Turtle



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:	2017-23	1			244	1023	6.6	1.001						1					
Event:	60	2			245			1.242						2					
Station:	1954	3			246	1472	6.7	1.242						3					
Event Date (Local):	11 July 17	4			247	3110	6.8	1.432	⇒					4	247	1402	6.9	1.431	
Analysis Date (Local):	12 July 17	5			248	1035	7.1	1.713						5					
Analyst:	TF	6			249	3047	7.4	2.175						6					
Stdization Date (Local):	12 July 17	7			250									7					
KIO ₃ N:	0.0118636	8			251	1422	8.5	4.399						8					
Standard Titer:	0.4924822	9			252	1459	9.1	5.507	⇒					9	252	1457	9.1	5.501	
Blank Titer:	0.000617	10			253	1401	9.7	5.842						10					
THIO N:	0.241092	11			254	1418	11.4	6.351						11					
Sample Flask Water Seal?	Yes	12			255	650	13.6	6.409						12					
	No	13			256	2035	14.4	6.324						13					Top Cap Not Seal Properly
Reagent Change?	MnCl ₂	14			257	1099	14.9	6.247						14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			258									15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			259									16					
	KIO ₃	17												17					
	THIO	18												18					
Notes:		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.

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↓ these are correct sample numbers TK

Shark

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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Sword fish

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:	2017-23	1		280	547	9.4	9.757		1					vent + Spigots open
Event:	68	2		281					2					vent - Spigots open
Station:	MS8	3		282	437	8.5	11.377		3					vent + Spigot open - V: large bubble in sample
Event Date (Local):	12 July 17	4		283	438	5.2	0.316		4					H ₂ S sampled first
Analysis Date (Local):	12 July 17	5		284	3199	5.3	0.292		5					H ₂ S sampled first
Analyst:	TF	6		285	3131	5.4	0.249	⇒	6	285	3109	5.6	0.242	H ₂ S sampled first for 10.3
Stdization Date (Local):	12 July 17	7		286	557	5.5	0.249		7					H ₂ S sampled first
KIO ₃ N:	0.0118636	8		287	3176	5.5	0.227		8					H ₂ S sampled first
Standard Titer:	0.4924822	9		288	3091	5.6	0.327	→	9	288	339	5.7	0.322	
Blank Titer:	0.000617	10		289	3155	6.1	0.930		10					
THIO N:	0.24092	11		290					11					
Sample Flask Water Seal?	Yes	12		291	3120	6.3	1.390		12					
	No	13		292	3044	6.6	1.980		13					
Reagent Change?	MnCl ₂	14		293	435	7.3	2.390		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		294	3170	7.3	2.757		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		295	1311	8.1	3.514		16					
	KIO ₃	17		296	3180	8.3	5.036	⇒	17	296	429	8.3	5.031	
	THIO	18		297	3029	8.7	5.679		18					
Notes:		19		298	3118	10.0	5.970		19					
		20		299	730	10.9	6.317		20					
		21		300	658	12.5	6.559		21					
		22		301	3173	13.9	6.287		22					
		23		302	3030	14.1			23					
		24		303					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.

Swordfish

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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:	2017-23	1			314	3044	9.1	-0.020							1						anoxic and stinky
Event:	93	2			315	435	9.1	0.138							2	315	3170	9.2	0.139		Redraw on Both Samples
Station:	EFFOS	3			316	1311	9.3	1.575							3						
Event Date (Local):	16 July 17	4			317	8180	9.3	2.036							4						
Analysis Date (Local):	16 July 17	5			318	429	9.4	2.683							5						
Analyst:	TF	6			319	3028	9.7	3.310					analyzed & correct flask info		6	319 ^A	3118	9.7	3.290		A sampled first + analysed first = correct flask info
Stdization Date (Local):	16 July 17	7			320	730	9.9	4.255							7						
KIO ₃ N:	0.0118636	8			321	658	10.6	7.044							8						
Standard Titer:	0.4923092	9			322	373	17.5	6.874							9						
Blank Titer:	0.0007195	10													10						
THIO N:	0.241268	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)	NaI/NaOH	15													15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16													16						
	KIO ₃	17													17						
	(THIO)	18													18						
Notes:		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.

swadfish

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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:	2017-23						1			304	547	9.1		-0.019		1					cannot titrate stinky, clear to begin titration
Event:	94						2									2					
Station:	EFF03						3			306	437	9.3		-0.019		3					same as 304
Event Date (Local):	15 July 17						4			307	438	9.3		-0.020		4					same as 304
Analysis Date (Local):	15 July 17						5			308	3199	9.6	2.039			5					not stinky
Analyst:	TF						6			309	3131	9.5	2.440			6					
Stdization Date (Local):	14 July 17						7			310	3108	9.7	3.024			7					
KIO ₃ N:	0.0118636						8			311	557	9.8	3.441	→		8	311	3176	9.8	3.480	
Standard Titer:	0.4923092						9			312	3091	10.6	7.318			9					for 313: dropped 2 stir bars in - had to retrieve 1
Blank Titer:	0.0007195						10			313	339	17.4	6.979			10					
THIO N:	0.241268						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)	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					
							20									20					
							21									21					
							22									22					
							23									23					
							24									24					

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