

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

OCTOPUS

Last Updated: July 2015



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:	2016-71	1		252	3056	10.0	2.785		1					
Event:	68	2		253	1059	10.0	2.831		2					
Station:	6	3		254	3021	10.1	2.890		3					
Event Date (Local):	4 NOV 2016	4		255	2086	10.1	2.829		4					
Analysis Date (Local):	04 Nov 2016	5		256	3104	10.1	2.708		5					
Analyst:	KS	6		257	2084	10.1	2.730		6					
Stdization Date (Local):	03 Nov 2016	7		258	3108	10.3	3.616		7					
KIO ₃ N:	0.0118860	8		259	3088	10.7	5.170	→	8	259B	3019	10.7	5.174	
Standard Titer:	0.00640	9		260	2075	10.7	5.272		9					
Blank Titer:	0.00016	10		261	639	10.8	5.347		10					
THIO N:	0.23497	11		262	1053	10.8	5.509		11					
Sample Flask Water Seal?	Yes	12		263	715	10.8	5.763	→	12	263B	3035	10.8	5.511	incorrect flask ID used. 1002 instead of 3035
Reagent Change?	MnCl ₂	13		264	1002	10.9	5.799		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		265	3061	10.9	5.799		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15							15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:		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.

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SWALLOW

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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:	2016-71	1		283	557	9.7	2.640		1					
Event:	74	2		284	3029	9.7	2.656		2					
Station:	2	3		285	3192	9.9	2.865		3					
Event Date (Local):	4 NOV 2016	4		286	3040	9.9	2.879		4					
Analysis Date (Local):	4 Nov 2016	5		287	3013	10.0	2.892		5					
Analyst:	KS	6		288A	3093	10.0	3.145	⇒	6	288	3038	10.1	3.143	
Stdization Date (Local):	3 Nov 2016	7		289	708	10.1	3.357		7					
KIO ₃ N:	0.0118860	8		290	575	10.1	2.933		8					
Standard Titer:	0.50640	9		291	611	10.2	3.225		9					
Blank Titer:	0.00016	10		292	510	10.4	4.399		10					
THIO N:	0.23497	11		293	3053	10.5	4.967		11					
Sample Flask Water Seal?	Yes	12		294A	745	10.5	5.161	⇒	12	294B	3034	10.5	5.156	
	No	13		295	612	10.7	5.609		13					
Reagent Change?	MnCl ₂	14		296	2098	10.5	6.024		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		297	586	10.6	6.041		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		298	2099				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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NESSY

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: 2016-71							1			299	3079	9.7	2.665		1					
Event: 77							2			300	456	9.7	2.771		2					
Station: 27							3			301	1406	9.7	2.815		3					
Event Date (Local): 4 Nov 2016							4			302	471	9.8	2.826		4					
Analysis Date (Local): 04 Nov 2016							5			303	196	9.8	2.806		5					
Analyst: KS							6			304	3078	9.9	2.848		6					
Stdization Date (Local): 03 Nov 2016							7			305A	3050	10.0	2.892	⇒	7	305B	3005	10.0	2.888	
KIO ₃ N: 0.0118860							8			306	712	10.1	2.841		8					
Standard Titer: 0.50640							9			307	3073	10.1	2.810		9					
Blank Titer: 0.00016							10			308	1055	10.0	2.883		10					
THIO N: 0.23497							11			309	396	10.1	2.971		11					
Sample Flask Water Seal? ☒ Yes							12			310	2089	10.2	3.328		12					
Reagent Change? ☐ No							13			311A	439	10.5	4.027	⇒	13	311B	2060	10.5	4.024	
Reagent Change? ☐ MnCl ₂							14			312	2065	10.7	4.923		14					
(Please circle reagent that was changed prior to sampling and standardization)							15			313	3081	10.5	5.767		15					
NOTE NEW BATCH IN LOG BOOK							16			314	505	10.4	6.001		16					
							17								17					
							18								18					
							19								19					
							20								20					
							21								21					
							22								22					
							23								23					
							24								24					

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