

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



Shark.

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:	2016-10	1		290	1429	8.5	1.393		1					
Event:	72	2		291	94	8.3	1.412		2					
Station:	75	3		292A	1408	8.3	1.428	→ D	3	292B	1465	8.3	1.437	
Event Date (Local):	26 SEPT 2016	4		293	1152	8.4	1.733		4					
Analysis Date (Local):	26 Sept. 2016	5		294	2025	8.5	1.436		5					
Analyst:	KS	6		295	2019	8.8	1.823		6					
Stdization Date (Local):	25 Sept. 2016	7		296	2017	9.5	2.811		7					
KIO ₃ N:	0.0119758	8		297	2016	9.8	3.005		8					
Standard Titer:	0.51309	9		298	2015	9.9	3.112		9					
Blank Titer:	0.00024	10		299	2007	10.1	3.271		10					
THIO N:	0.23372	11		300					11					
Sample Flask Water Seal?	Yes	12		300	2027	10.2	3.343		12					
	No	13		301	2032	10.3	3.549	Spigot may have been pushed in	13					
Reagent Change?	MnCl ₂	14		302	2043	10.5	3.938		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		303A	2040	10.9	4.019	→ Did not get full NaOH pump	15	303B	2051	10.6	4.010	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16						↳ Precipitate a very odd deep brown and texture.	16					
	KIO ₃	17						↳ Very odd titration behaviour	17					
	THIO	18						↳ Do not trust	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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SEA GULL

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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: 2016-01		1		306	557	8.1	1.572		1					
Event: 95		2		307	3025	8.2			2					
Station: 102		3		308	3192	8.2	1.619		3					
Event Date (Local): Sept 26 2016		4		309	3040	8.3	1.599		4					
Analysis Date (Local): 26 Sept. 2016		5		310	3013	8.5	1.546		5					
Analyst: KS		6		311A	3093	8.8	1.862	TD	6	311B	3038	8.9	1.870	
Stdization Date (Local): 25 Sept. 2016		7		312	708	9.1	2.574		7					
KIO ₃ N: 0.0119758		8		313	575	9.5	2.757		8					
Standard Titer: 0.51309		9		314	611	9.7	3.033		9					
Blank Titer: 0.00024		10		315	510	9.8	3.075		10					
THIO N: 0.23372		11							11					
Sample Flask Water Seal? ☒ Yes ☐ No		12		316A	3053	10.0	3.289	TD	12	316B	745	10.0	3.289	
Reagent Change? ☒ MnCl ₂ ☐ NaI/NaOH ☐ H ₂ SO ₄ ☐ KIO ₃ ☐ THIO		13		317A	3034	10.3	3.886	TD	13					
(Please circle reagent that was changed prior to sampling and standardization)		14		318	512	10.5	4.017		14					
NOTE NEW BATCH IN LOG BOOK		15		319	2098	10.7	4.107	Vent Not Light	15					
		16							16					
		17							17					
		18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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Bender

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:	2016-10	1		322	569	9.8	2.785		1					
Event:	100	2		323A	3132	9.9	2.835 =>		2	323B	3129	9.9	2.834	
Station:	59	3		324	2014	9.9	2.848		3					
Event Date (Local):	26 Sept. 2016	4		325	3022	9.9	2.869		4					
Analysis Date (Local):	26 Sept. 2016	5		326	3028	10.0	2.929		5					
Analyst:	KS	6		327	3134	10.1	3.059		6					
Stdization Date (Local):	25 Sept. 2016	7		328	3133	10.5	3.248 - Check E.P.		7					
KIO ₃ N:	0.0119758	8		329A	3135	10.9	3.635 =>		8	329B	3193	10.9	3.632	
Standard Titer:	0.51309	9		330	3125	11.0	3.687		9					
Blank Titer:	0.00024	10		331	3147	11.1	3.770		10					
THIO N:	0.73372	11							11					
Sample Flask Water Seal?	Yes	12		333	3126	11.2	3.832		12					
	No	13		334	3144	11.3	3.852		13					
Reagent Change?	MnCl ₂	14		335	3150	11.3	3.865		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		336	3138	11.5	3.874		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					

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