

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



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)
Cruise Number:	2022-040		1		258A	970	9.2	3.430		1	258B	971	9.3	3.331
Event:	81		2		259	972	9.1	3.428		2				
Station:	6		3		260	973	9.0	3.841		3				
Event Date (Local):	28 Jun 2022		4		261	974	9.0	3.919		4				
Analysis Date (Local):	28 Jun 2022		5		262	975	9.1	3.982		5				
Analyst:	KS		6		263A	976	9.3	3.947		6	263B	977	9.3	3.945
Standardization Date (Local):	27 Jun 2022		7		264	978	9.9	4.094		7				
KIO ₃ N:	0.0126957		8		265	979	10.0	4.159		8				
Standard Titer:	0.50557		9		266	980	10.4	4.327		9				
Blank Titer:	0.00621		10		267	981	10.8	4.515		10				
THIO N:	0.23923		11		268	982	13.5	5.709		11				
Sample Flask Water Seal?	Yes		12		269	983	14.2	5.985		12				
Reagent Change?	No		13		270	984	19.9	6.026		13				
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂		14		258A	258B	259	260	261	262	263A	263B	264	
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH		15		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
	H ₂ SO ₄		16		6	6	6	6	6	6	6	6	6	
	KIO ₃		17		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	
	THIO		18		Bot-5 m	Bot-5 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m	
Notes:			19		bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6	bot 7	
14 - Chicken & Egg.xlsx			20		268	269	270							
			21		OXY	OXY	OXY							
			22		6	6	6							
			23		2022-040	2022-040	2022-040							
			24		10 m	5 m	0 m							
					bot 11	bot 12	bot 13							

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

ny opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and exp

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Cruise Number:	2022-040	1		271A	900	9.3	3.251				1	271B	901	9.5	3.240
Event:	83	2		272	902	9.2	3.372				2				
Station:	9	3		273	903	9.1	3.582				3				
Event Date (Local):	28-Jun-22	4		274	904	9.1	3.784				4				
Analysis Date (Local):	28 June 2022	5		275	905	9.5	3.746				5				
Analyst:	KS	6		276	906	10.0	4.143				6				
Standardization Date (Local):	27 June 2022	7		277	907	10.2	4.212				7				
KIO ₃ N:	0.0120957	8		278	908	10.7	4.506				8				
Standard Titer:	0.50557	9		279	909	10.7	4.579				9				
Blank Titer:	0.00021	10		280	910	12.0	5.239	911			10				
THIO N:	0.23923	11		281	911	14.4	6.562	910			11				
Sample Flask Water Seal?	Yes	12		282A	912	16.5	6.864				12	282B	913	16.5	6.866
Reagent Change?	MnO ₂	13		271A	271B	272	273	274	275	276	277	278			
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY			
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		9	9	9	9	9	9	9	9	9			
	KIO ₃	16		2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040			
	THIO	17		Bot-5 m	Bot-5 m	150 m	125 m	100 m	75 m	50 m	40 m	30 m			
		18		bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8			
Notes:		19		282A	282B										
	OXY	20													
8 - Snail.xlsx		21		9	9										
	2022-040	22													
	0 m	23													
	bot 12	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 exp

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Cruise Number:	2022-040		1	✓	283	970	9.8	3.228		1				
Event:	86		2	✓	284	971	9.6	3.348		2				
Station:	12		3	✓	285	972	9.7	3.419		3				
Event Date (Local):	28 June 2022		4	✓	286	973	9.5	3.569		4				
Analysis Date (Local):	28 June 2022		5	✓	287	974	9.5	3.593		5				
Analyst:	KS 227 June 2022		6	✓	288A	975	9.4	3.622		6	288B	976	9.5	3.628
Standardization Date (Local):	28 June 2022		7	✓	289	977	9.2	3.558	Flesh Oxy	7				
KIO ₃ N:	0.0120957	✓	8	✓	290	978	9.2	3.558	289 3.636	8				
Standard Titer:	0.50557		9	✓	291	979	9.4	3.813		9	980	9.3	3.782	
Blank Titer:	0.00021		10	✓	292	981	10.0	4.018		10				
THIO N:	0.23923		11	✓	293	982	10.2	4.205		11				
Sample Flask Water Seal?	Yes		12	✓	294	983	10.3	4.162		12				
Reagent Changed?	MnCl ₂		13	✓	295	984	11.1	4.540		13				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH		14	✓	296	985	18.7	6.242		14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄		15	✓	297	986	17.1	6.988		15				
	KIO ₃		16	✓	298	987	18.0	7.037		16				
	THIO		17	✓	283	284	285	286	287	288A	288B	289	291	
			18	✓	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
			19	✓	12	12	12	12	12	12	12	12	12	
			20	✓	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	2022-040	
			21	✓	Bot-5 m	300 m	250 m	200 m	175 m	150 m	150 m	125 m	75 m	
			22	✓	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 6	bot 7	bot 9	
			23	✓	294	295	296	297	298					
			24	✓	OXY	OXY	OXY	OXY	OXY					

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2022-040 2022-040 2022-040 2022-040 2022-040 2022-040
30 m 20 m 10 m 5 m 0 m
bot 12 bot 13 bot 14 bot 15 bot 16

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Cruise Number:	2022-040	1				300	900	9.1	3.175		1				
Event:	28	2				301	901	9.3	3.186		2				
Station:	14	3				302	902	9.3	3.325		3				
Event Date (Local):	28 June 2022	4				303	903	9.2	3.611		4				
Analysis Date (Local):	29 June 2022	5				304A	904	9.1	3.608		5	304B	905	9.1	3.611
Analyst:	KS	6				305	906	9.1	3.729		6				
Standardization Date (Local):	27 June 2022	7				306	907	9.1	3.792		7				
KIO ₃ N:	0.0120957	8				307	908	9.2	3.784		8				
Standard Titer:	0.50557	9				308A	909	9.4	3.667		9	308B	910	9.5	
Blank Titer:	0.00021	10				309	911	10.3	4.134		10	300		301	
THIO N:	0.73923	11				310	912	10.6	4.317		11	OXY		OXY	
Sample Flask Water Seal?	Yes	12				311	913	10.9	4.507		12	14		14	
Reagent Change?	No	13				312	914	11.8	4.975		13	2022-040		2022-040	
(Please circle reagent that was changed prior to sampling and standardization)		14				313	915	12.6	5.339		14	Bot-5 m		300 m	
NOTE NEW BATCH IN LOG BOOK		15				314	916	12.7	5.387		15	bot 1		bot 2	
		16									16	305		306	
		17				316	917	12.9	5.392		17	OXY		OXY	
		18									18	14		14	
		19									19	2022-040		2022-040	
		20									20	150 m		125 m	
		21									21	bot 6		bot 7	
		22									22	310		311	
		23									23	OXY		OXY	
		24									24	14		14	

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2022-040 40 m 2022-040 30 m
bot 11 bot 12

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Cruise Number:	2022-040	1		317	1409	9.0	3.497				1				
Event:	89	2		318	3057	9.0	3.534				2				
Station:	16	3		319	639	9.0	3.618				3				
Event Date (Local):	28 June 2022	4		320	3037	9.0	3.662				4				
Analysis Date (Local):	29 June 2022	5		321A	969	9.4	3.764				5	321B	510	9.4	3.761
Analyst:	KS	6		322	1401	9.6	3.881				6				
Stratization Date (Local):	27 June 2022	7		323	3002	10.4	4.184				7				
KIO ₃ N:	0.0120957	8		324	3137	10.4	4.187				8				
Standard Titer:	0.50557	9		325A	951	10.7	4.357				9	325B	3081	10.7	4.351
Blank Titer:	0.00021	10		326	20	11.0	4.536				10				
THIO N:	0.23923	11		327	569	11.1	4.601				11				
Sample Flask Water Seal?	Yes	12		317											
Reagent Change?	No	13		OXY											
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		16											
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15		2022-040											
	H ₂ SO ₄	16		Bot-5 m	2022-040										
	KIO ₃	17		bot 1	125 m	2022-040									
	THIO	18		327											
Notes:		19		OXY											
		20		16											
		21		2022-040											
		22		0 m											
		23		bot 11											
		24													

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