

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number:	2024-066	1							1					
Event:	004	2							2					
Station:	Kn4	3		3	963	9.7	2.88	#1164	3					
Event Date (Local):	2024-10-16	4		4	1465	9.5	2.80	#3020	4					
Analysis Date (Local):	31 Oct 2024	5		5A	905	9.5	2.923	#1338	5	5B	3180	9.4	2.919	#3117
Analyst:	ER	6		6	1326	9.4	2.935	#968	6					
Stdization Date (Local):	31 Oct 2024	7		7	146	9.4	2.954	#157	7					
KIO ₃ N:	0.0119845	8		8A	3108	8.3	2.981	#963	8	8B	942	9.3	2.980	#1465
Standard Titer:	0.4843384	9		9	3127	9.3	3.021	#905	9					
Blank Titer:	0.0003228	10		10A	3095	9.3	3.049	#3180	10	10B	150	9.3	3.046	#1326
THIO N:	0.247684	11		11	1035		3.077	#146 (LAN 16 BEFORE 11)	11					
Sample Flask Water Seal?	Yes	12							12					
	No	13		13	926	9.3	3.081	#3108	13					
Reagent Change?	MnCl ₂	14		14	138	9.4	3.424	#942	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		15	621	9.8	4.410	#3127	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		16	999	10.1	5.164	#16 beside 10B in position 12	16					
	KIO ₃	17		3					17					
	THIO	18		OXY					18					
Notes:		19		Kn4					19					
NaI/NaOH = 2404		20		2024-066					20					
Dispenser = 8		21		b-5 m	400 m	300 m	300 m	250 m	200 m	150 m	150 m	100 m	75 m	75 m
Mermaid.xlsx		22		bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 8	bot 9	bot 10	bot 10
MgCl = 2402		23						11	13	14	15			
Dispenser 17		24						OXY	OXY	OXY	OXY			
								Kn4	Kn4	Kn4	Kn4			
								2024-066	2024-066	2024-066	2024-066			
								50 m	25 m	10 m	5 m			
								bot 11	bot 13	bot 14	bot 15			

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent.

ER FLASKS on log do not match FLASKS in box. - out of order?

k and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number:	2024-066	1							1					
Event:	100	2							2					
Station:	FC2	3		471A	130	8.2	1.380		3	471B	923	8.0	1.376	
Event Date (Local):	2024-10-24	4		472	3032	7.9	1.375		4					
Analysis Date (Local):	31 Oct 2024	5		473	913	7.8	1.373		5					
Analyst:	ER	6		474	126	7.7	1.414		6					
Stdization Date (Local):	31 Oct 2024	7		475	1402	7.8	1.460	small bubbles.	7					
KIO ₃ N:	0.0119845	8		476	3096	7.9	1.486		8					
Standard Titer:	0.4843384	9		477	3109	7.9	1.528		9					
Blank Titer:	0.0003228	10		478A	151	8.0	1.617		10	478B	154	8.1	1.618	redrawn
THIO N:	0.247684	11		479	129	9.0	2.146		11					
Sample Flask Water Seal?	Yes	12		480	575	9.6	2.795	redrawn (9.7°)	12					
	No	13		481	171	10.3	3.492		13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		483A	903	10.5	3.703		15	483B	20	10.6		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		484	1192	10.4	4.286		16			3.778		
	KIO ₃	17		485	114	10.4	4.966		17					
	THIO	18							18					
Notes:	471A	471B	472	473	474	475	476	477	478A	478B	479	480	481	483A
	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2	FC2
Snail.xlsx	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066	2024-066
	b-5 m	b-5 m	600 m	500 m	400 m	300 m	250 m	200 m	150 m	150 m	100 m	75 m	50 m	25 m
	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	bot 11	bot 12	bot 13	bot 15

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. If either column if either

dispensers were a bit problematic.

Dissolved Oxygen Analysis Log Sheet
Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

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)	OXY-2 Comments
Cruise Number:	2024-066	1							1					
Event:	064	2							2					
Station:	DE04	3		292	2089	8.3	1.932		3					
Event Date (Local):	2024-10-21	4		293	132	8.3	1.928		4					
Analysis Date (Local):	31 Oct 2024	5		294A	1337	8.3	1.936		5	294B	940	8.3	1.933	
Analyst:	ER	6		295	620	8.2	1.938		6					
Stdization Date (Local):	31 Oct 2024	7		296	3089	8.3	1.938		7					
KIO ₃ N:	0.0119845	8		297A	3025	8.3	1.963	bubble in flask, seal OK, cap loose.	8	297B	929	8.3	1.949	
Standard Titer:	0.4843384	9		298	1322	8.3	1.986		9					
Blank Titer:	0.0003228	10		299	1002	9.2	2.501		10					
THIO N:	0.247684	11							11					
Sample Flask Water Seal?	Yes	12		301A	2047	10.5	3.833	take EP. OT. looks good ✓	12	301B	115	10.6	3.841	
	No	13							13					
Reagent Change?	MnCl ₂	14		303A	510	11.1	4.312		14	303B	995	11.1	4.316	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		304	135	11.5	5.054	2 big zoops in flask.	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		305	2000	11.3	6.070		16					
	KIO ₃	17		306	182	11.2	6.308	forgot dispensing to 1st time. water	17					
	THIO	18							18					

Notes:

Earth.xlsx

Bottle integrity: First test the top

292 OXY DE04 2024-066 b-5 m bot 3 303B OXY DE04 2024-066 25 m bot 14

293 OXY DE04 2024-066 500 m bot 4

294A OXY DE04 2024-066 400 m bot 5

294B OXY DE04 2024-066 400 m bot 5

295 OXY DE04 2024-066 300 m bot 6

296 OXY DE04 2024-066 250 m bot 7

297A OXY DE04 2024-066 200 m bot 8

297B OXY DE04 2024-066 200 m bot 8

298 OXY DE04 2024-066 150 m bot 9

299 OXY DE04 2024-066 100 m bot 10

301A OXY DE04 2024-066 50 m bot 12

301B OXY DE04 2024-066 50 m bot 12

303A OXY DE04 2024-066 25 m bot 14

304 OXY DE04 2024-066 10 m bot 15

305 OXY DE04 2024-066 5 m bot 16

306 OXY DE04 2024-066 0 m bot 17

te column if either fails the integrity check and explain this in the comments column...