Chicken

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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:	2023-009	1								1					
Event:	33	2					9.4			2					
Station:	Q2	3			29A	2098	~~12.3~~	2.444		3	29B	3114	9.4	2.453	
Event Date (Local):	~~10~~-10-23	4			30	904	9.4	2.481		4					
Analysis Date (Local):	26 Oct 2023	5			31	973	9.7	2.476		5					
Analyst:	ER	6			32	196	10.2	-99	critters in flask - bad comp. Sample lost	6					
Stdization Date (Local):	25 Oct 2023	7			33	1346	12.1	4.759		7					
KIO_3 N:	0.0120406	8								8					
Standard Titer:	0.50225	9			35	3005	12.8	5.733		9					
Blank Titer:	0.00019	10			36	118	~~13.9~~	5.806	13.2°C	10					
THIO N:	0.23990	11			37	169	~~13.2~~	5.842	13.0	11					
Sample Flask Water Seal?	(Yes) / No	12			38	3050	13.1	5.839		12					
		13								13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		19								19					
used KIO_3, thiol H_2SO_4 that Chicken & Egg.xlsx had been out on 2023-073 but $MnCl_2$, NaI-NaOH from 2023-009		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.

29A	29B	30	31
OXY	OXY	OXY	OXY
Q2	Q2	Q2	Q2
2023-009	2023-009	2023-009	2023-009
b-5 m	b-5 m	150 m	100 m
bot 3	bot 3	bot 4	bot 5

32
OXY
Q2
2023-009
75 m
bot 6

critters in flask — bad curve. Sample lost.

33	35	36	37	38
OXY	OXY	OXY	OXY	OXY
Q2	Q2	Q2	Q2	Q2
2023-009	2023-009	2023-009	2023-009	2023-009
50 m	25 m	10 m	5 m	0 m
bot 7	bot 9	bot 10	bot 11	bot 12

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Cruise Number:	2023-009	1			48	941	4.2	0.393		1					
Event:	51	2			49	111	4.7	0.242	OT - lateend point. O2check	2					
Station:	VI03	3			50A	953	5.4	0.345	big bubble in flask	3	50B	976	5.6	0.342	
Event Date (Local):	12-10-23	4			51	547	6.5	1.010	big bubble in flask	4					
Analysis Date (Local):	26 Oct 2023	5			52	3040	7.4	1.529		5					
Analyst:	ER	6			53	1416	7.9	1.694	bubble in flask x2	6					
Stdization Date (Local):	25 Oct 2023	7			54	971	8.3	1.638		7					
KIO_3 N:	0.0120406	8			55A	658	8.4	1.735		8	55B	168	8.5	1.734	
Standard Titer:	0.50225	9			56	943	8.6	1.826		9					
Blank Titer:	0.00019	10			57	145	8.9	1.941		10					
THIO N:	0.2399Φ	11			58	986	9.6	3.200		11					
Sample Flask Water Seal?	(Yes) / No	12			59	1493	11.3	3.997		12					
		13			60	3090	13.0	5.308		13					
Reagent Change?	$MnCl_2$	14			61	922	13.5	5.962		14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15			62	1472	13.5	5.985		15					
	H_2SO_4	16			63	165	13.6	5.992		16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
Chicken & Egg.xlsx		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.

48	54	55A	55B	56	57	58	59	60	61	62	63
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
VI03	VI03	VI03	VI03	VI03	VI03	VI03	VI03	VI03	VI03	VI03	VI03
2023-009	2023-009	2023-009	2023-009	2023-009	2023-009	2023-009	2023-009	2023-009	2023-009	2023-009	2023-009
b-10 m	250 m	200 m	200 m	150 m	100 m	75 m	50 m	25 m	10 m	5 m	0 m
bot 1	bot 7	bot 8	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16

49
OXY
VI03
2023-009
1000 m
bot 2

OT – late endpoint both times
O2 check 1054ish.

50A
OXY
VI03
2023-009
750 m
bot 3

bubble in flask

50B	51	52
OXY	OXY	OXY
VI03	VI03	VI03
2023-009	2023-009	2023-009
750 m	500 m	400 m
bot 3	bot 4	bot 5

53
OXY
VI03
2023-009
300 m
bot 6

bubbles in flask