

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:	2024-026	1		17	2086	7.1	0.812	bubble in flask	1					
Event:	67	2		18	919	1.0	0.909		2					
Station:	CTD_CAL	3		19A	3008	1.3	1.389	bubble in flask, OT due to late EP aged	3	19B	2069	7.5	1.387	bubble in flask, OT due to late EP
Event Date (Local):	2024-07-01	4		20	3132	1.4	1.412	bubble in flask, OT due to late EP	4					
Analysis Date (Local):	25 Jul 2024	5		21	611	1.7	1.993		5					
Analyst:	ER	6		22	925	1.7	2.085		6					
Stdization Date (Local):	24 Jul 2024	7		23	1481	1.9	2.178		7					
KIO ₃ N:	0.018719	8		24A	149	8.0	2.579	OT due to late EP, bubble in flask	8	24B	3164	3.1	2.558	
Standard Titer:	0.4781336	9		25	3129	8.4	3.980		9					
Blank Titer:	0.0003464	10		26	121	8.7	4.441		10					
THIO N:	0.248127	11		27	2056	9.1	4.558		11					
Sample Flask Water Seal?	Yes	12		28	3035	10.7	5.257		12					
	No	13		29	144	12.6	6.525		13					
Reagent Change?	MnCl ₂	14		30	3091	13.9	8.682		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		31	1474	14.2	6.198		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17												
	THIO	18												
Notes:	using -025 standardization	19												
Sword Fish.xlsx		20												
		21												
		22												
		23												
		24												

17
OXY
CTD_CAL
2024-026
Btm-10 m
bot 1

18
OXY
CTD_CAL
2024-026
400 m
bot 2

19A
OXY
CTD_CAL
2024-026
300 m
bot 3

19B
OXY
CTD_CAL
2024-026
300 m
bot 3

20
OXY
CTD_CAL
2024-026
250 m
bot 4

21
OXY
CTD_CAL
2024-026
200 m
bot 5

22
OXY
CTD_CAL
2024-026
175 m
bot 6

23
OXY
CTD_CAL
2024-026
150 m
bot 7

24A
OXY
CTD_CAL
2024-026
125 m
bot 8

24B
OXY
CTD_CAL
2024-026
125 m
bot 8

25
OXY
CTD_CAL
2024-026
100 m
bot 9

26
OXY
CTD_CAL
2024-026
75 m
bot 10

27
OXY
CTD_CAL
2024-026
50 m
bot 11

28
OXY
CTD_CAL
2024-026
25 m
bot 12

29
OXY
CTD_CAL
2024-026
10 m
bot 13

30
OXY
CTD_CAL
2024-026
5 m
bot 14

31
OXY
CTD_CAL
2024-026
0 m
bot 15

her fails the integrity check and explain this in the comments column.

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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: 2024-026	1		77	909	6.8	1.173		1					
Event: 250	2		78	1495			Bottle 2 did not trip	2					
Station: cal cast	3		79A	180	7.3	1.663		3	79B	3065	7.3	1.642	
Event Date (Local): 2024-07-21	4		80	1223	7.5	1.721		4					
Analysis Date (Local): 25 Jul 2024	5		81	3049	7.8	2.207		5					
Analyst: ER	6		82	3029	8.4	2.266		6					
Stdization Date (Local): 24 Jul 2024	7		83A	136	8.4	2.837		7	83B	3076	8.4	2.826	
KIO ₃ N: 0.0119719	8		84	1407	8.5	3.582		8					
Standard Titer: 0.4789	9		85	998	9.0	4.061		9					
Blank Titer: 0.0035	10		86	18	11.1	6.150		10					
THIO N: 0.248127	11		87	933	12.5	7.280		11					
Sample Flask Water Seal? ☒ Yes ☐ No	12		88	425	12.5	7.310		12					
Reagent Change? MnCl ₂	13		77					13					
(Please circle reagent that was changed prior to sampling and standardization)	14		OXY		79A			14					
NOTE NEW BATCH IN LOG BOOK	15		cal cast		OXY			15					
	16		2024-026		cal cast			16					
	17		b-5 m		2024-026			17					
	18		bot 1		250 m			18					
	19				bot 3			19					
Notes:	20							20					
Loch Ness.xlsx	21		83A					21					
MnCl ₂ pump = 18	22		OXY		83B			22					
NaI pump = 15	23		cal cast		OXY			23					
	24		2024-026		cal cast			24					
			75 m		2024-026								
			bot 7		75 m								
					bot 7								
					bot 8								
					bot 9								
					bot 10								
					bot 11								
					bot 12								

78

OXY

cal cast

2024-026

300 m

bot 2

84

OXY

cal cast

2024-026

50 m

bot 8

85

OXY

cal cast

2024-026

25 m

bot 9

86

OXY

cal cast

2024-026

10 m

bot 10

87

OXY

cal cast

2024-026

5 m

bot 11

88

OXY

cal cast

2024-026

0 m

bot 12

plain this in the comments column.

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