

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:	2024-025	1		4	1480	15.5	8.007	5 m	1					
Event:	16	2		5	183	13.1	6.324	10 m	2					
Station:	SOG8	3		6	3073	10.5	4.476	25 m	3					
Event Date (Local):	2024-06-13	4		7	911	10.1	4.340	50 m OT due to noisy curve-dancing	4					→ bubble. OT looks good :)
Analysis Date (Local):	24 Jul 2024	5		8A	2084	10.2	4.267	75 m → had to redraw bubbles	5	8B	172	10.3	4.251	75 m
Analyst:	ER	6		9	3176	10.3	4.467	100 m bubble in flask	6					
Stdization Date (Local):	24 Jul 2024	7		10	1459	10.4	4.256	149 m big bubble in flask,	7					→ stopper a little loose.
KIO ₃ N:	0.0118719	8		11	137	10.4	3.940	200 m → redraw + bubble in NaI/NaOH dispenser	8					→ bubble in flask
Standard Titer:	0.47893	9		12	1408	10.5	3.501	250 m	9					
Blank Titer:	0.00035	10							10					
THIO N:	0.24813	11							11					
Sample Flask Water Seal?	Yes	12		4		5		6	7	8A		8B		
	No	13		OXY		OXY		OXY	OXY	OXY		OXY		
		14		SOG8		SOG8		SOG8	SOG8	SOG8		SOG8		
Reagent Change?	MnCl ₂	15		2024-025	2024-025	2024-025	2024-025	2024-025	2024-025	2024-025		2024-025		
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	16		5 m	10 m	25 m	50 m	75 m	75 m	75 m		75 m		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	17		bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 5		bot 5		
	KIO ₃	18												
	THIO	19		9	10		11	12						
Notes:	MnCl ₂ batch 2302	20		OXY	OXY		OXY	OXY						
	bottle 707	21		SOG8	SOG8		SOG8	SOG8						
	dispenser 3	22		2024-025	2024-025		2024-025	2024-025						
Sea Turtle.xlsx		23		100 m	150 m		200 m	250 m						
	NaI NaOH batch 2302	24		bot 6	bot 7		bot 8	bot 9						
	bottle 995													
	dispenser 15													

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.

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:	2024-025	1		35	3173	10.3	3.184		1					
Event:	114	2		36A	3170			didn't fine bottle	2	36B	103			bottle didn't fine
Station:	SOG57	3		37	3021	10.2	3.488	bubble in flask	3					
Event Date (Local):	2024-06-21	4		38	1458	10.1	3.617		4					
Analysis Date (Local):	24 JUN 2024	5		39	184	10.1	3.628		5					
Analyst:	ER	6		40	3007	10.1	3.588	bubble in flask	6					
Stdization Date (Local):	24 JUN 2024	7		41	1321	10.8	4.062	bubble along ground glass	7					flask volume MISSING recalculate
KIO ₃ N:	0.0118719	8		42	396	11.6	4.515	bubble in flask	8					
Standard Titer:	0.4789336	9		43	1333	13.1	5.491	bubble in flask	9					
Blank Titer:	0.0003464	10		44	3014	16.7	7.045		10					
THIO N:	0.248127	11		35					11					
Sample Flask Water Seal?	Yes	12		OXY					12					
	No	13		SOG57					13					
Reagent Change?	MnCl ₂	14		2024-025					14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		bot-10 m					15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		bot 1					16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:	MnCl ₂ batch 2302	19							19					
	bottle 707	20							20					
	dispenser 3	21							21					
Sea Turtle.xlsx		22							22					
	NaI NaOH batch 2302	23							23					
	bottle 995	24							24					
	dispenser 15													

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.

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: 2024-025	1		49	16	10.0	2.599	had to redraw - bubble in NaI/NaOH	1					
Event: 136	2		50	113	—	—	didn't shut	2					
Station: SOG69	3		51	708	10.1	2.645		3					
Event Date (Local): 2024-06-23	4		52A	962	10.1	3.029		4	52B	187	10.2	3.037	
Analysis Date (Local): 04 Jul 2024	5		53	3042	10.2	3.230		5					
Analyst: KZ	6		54	2065	10.2	3.283		6					
Stdization Date (Local): 24 Jul 2024	7		55	3058	10.2	3.355	wrong flask ID in box file —	7					should be 813053
KIO ₃ N: 0.0118719	8		56	3125	10.2	3.379		8					
Standard Titer: 0.4789336	9		57	1378	10.3	3.294		9					
Blank Titer: 0.0003464	10		58	1470	10.4	3.538		10					
THIO N: 0.248127	11		59	3000	11.0	4.243		11					
Sample Flask Water Seal? ☒ Yes	12		60	983	13.8	6.078	OT due to late endpoint. —	12					still noisy, O2 check 153337
☐ No	13		61	989	—	—	bottle didn't fine	13					
Reagent Change? MnCl ₂	14	X	62	1497	16.4	7.631		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		63	120	10.4	2.476		15					
NOTE NEW BATCH IN LOG BOOK	16		49	51	52A	52B		16					
	17		OXY	OXY	OXY	OXY		17					
	18		SOG69	SOG69	SOG69	SOG69		18					
	19		2024-025	2024-025	2024-025	2024-025		19					
	20		bot-10 m	400 m	300 m	300 m		20					
	21		bot 1	bot 3	bot 4	bot 4		21					
	22		55	56	57	58		22					
	23		OXY	OXY	OXY	OXY		23					
	24		SOG69	SOG69	SOG69	SOG69		24					
	25		2024-025	2024-025	2024-025	2024-025		25					
	26		150 m	100 m	75 m	50 m		26					
	27		bot 7	bot 8	bot 9	bot 10		27					
	28							28					
	29							29					
	30							30					
	31							31					
	32							32					
	33							33					
	34							34					
	35							35					
	36							36					
	37							37					
	38							38					
	39							39					
	40							40					
	41							41					
	42							42					
	43							43					
	44							44					
	45							45					
	46							46					
	47							47					
	48							48					
	49							49					
	50							50					
	51							51					
	52							52					
	53							53					
	54							54					
	55							55					
	56							56					
	57							57					
	58							58					
	59							59					
	60							60					
	61							61					
	62							62					
	63							63					
	64							64					
	65							65					
	66							66					
	67							67					
	68							68					
	69							69					
	70							70					
	71							71					
	72							72					
	73							73					
	74							74					
	75							75					
	76							76					
	77							77					
	78							78					
	79							79					
	80							80					
	81							81					
	82							82					
	83							83					
	84							84					
	85							85					
	86							86					
	87							87					
	88							88					
	89							89					
	90							90					
	91							91					
	92							92					
	93							93					
	94							94					
	95							95					
	96							96					
	97							97					
	98							98					
	99							99					
	100							100					

Notes: MnCl₂ batch 2302 bottle 707 dispenser 3

NaI/NaOH batch 2302 bottle 995 dispenser 15

Octopus.xlsx

FLAG 1

50 OXY SOG69 2024-025 500 m bot 2

61 OXY SOG69 2024-025 5 m bot 13

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

check and explain this in the comments column.