

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Cruise and Analysis Information						Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2019-044					1			1	1455	11.8	2.252		1						
Event:	3					2			2	1392	11.5	4.001		2						
Station:	GEO1					3	✓	✓	3A	1472	10.9	4.256		3	3B	1378	11.2	4.258		
Event Date (Local):	29 APR 2019					4	✓	✓	4	1464	10.6	4.137		4						
Analysis Date (Local):	16 May 2019					5	✓	✓	5	1374	9.9	4.057		5						
Analyst:	KS					6	✓	✓	6	1410	10.7	5.895	small bubble beneath stopper	6						
Stdization Date (Local):	16 May 2019					7	✓	✓	7	1395	10.7	7.108		7						
KIO ₃ N:	0.0118147					8	✓	✓	8	1393	61	7.128		8						
Standard Titer:	0.000570.47112					9								9						
Blank Titer:	0.250990.00057					10														
THIO N:	0.25099					11														
Sample Flask Water Seal?	Yes					12														
	No					13														
Reagent Change?	MnCl ₂					14														
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH					15														
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄					16														
	KIO ₃					17														
	THIO					18														
Notes:	Added 2 mL acid to all samples to hasten precipitate dissolution.					19														
						20														
						21														
						22														
						23														
						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.

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Cruise Number:	2019-044	1			17	1471	10.8	2.492		1					
Event:	34	2			18	1456	10.1	4.061		2					
Station:	CPF2	3			19A	1488	10.1	3.853		3	19B	1498	10.2	3.851	
Event Date (Local):	17 May 2019	4			20	1386	10.1	4.304		4					
Analysis Date (Local):	16 May 2019	5			21	1394	10.4	4.711		5					
Analyst:	KS	6			22	1453	10.6	7.092		6					
Stdization Date (Local):	16 May 2019	7	✓	✓	23	1428	10.8	9.284		7					
KIO ₃ N:	0.0118147	8			24	1454	11.5	8.828		8					
Standard Titer:	0.000570.47112	9								9					
Blank Titer:	0.00057	10								10					
THIO N:	0.25099	11								11					
Sample Flask Water Seal?	Yes	12								12					
Reagent Change?	MnCl ₂	13			17	18	19A	19B	20	21	22	23	24		
(Please circle reagent that was changed prior to sampling and standardization)	Na ₂ /NaOH	14			Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy		
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15			CPF2	CPF2	CPF2	CPF2	CPF2	CPF2	CPF2	CPF2	CPF2		
	KIO ₃	16			0-10	200	100	100	75	50	20	5	0		
	THIO	17			2019-044	2019-044	2019-044	2019-044	2019-044	2019-044	2019-044	2019-044	2019-044		
		18			Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 5	Bot 7	Bot 8		
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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4 - NWI DUP
 6 - O₂ DUP
 8 - DIC DUP + SAL DUP

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Cruise Number: 2019-044	1	1		32	1441	10.1	4.873		1					
Event: 54	3	2		33	1451	10.0	5.193		2					
Station: 46	4	3		34	1479	9.5	5.265		3					
Event Date (Local): 2 MAY 2019	5	4		35	1496	9.9	5.162		4					
Analysis Date (Local): 16 May 2019	6	5		36A	1439	10.3	5.452		5	36B	1494	10.3	5.449	
Analyst: KS	7	6		37	1412	10.7	7.184		6					
Stdization Date (Local): 16 May 2019	8	7	✓	38	1447	11.8	8.922		7					
KIO ₃ N: 0.0118147	9	8							8					
Standard Titer: 0.47112	10	9							9					
Blank Titer: 0.00057	11	10							10					
THIO N: 0.25099	12	11							11					
Sample Flask (Yes)	13	12							12					
Water Seal? No	14	13							13					
Reagent Change? MnCl ₂	15	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	16	15							15					
NOTE NEW BATCH IN LOG BOOK	17	16							16					
	18	17							17					
	19	18							18					
Notes:	20	19							19					
	21	20							20					
	22	21							21					
	23	22							22					
	24	23							23					
		24							24					

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