

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:	2022-075	1		1	3162	9.5			1					
Event:	2	2		2A	956	9.6			2	2B	3054	9.5		
Station:	JS1	3		3	2084	9.6			3					
Event Date (Local):	2022-10-13	4		4	3035	9.6			4					
Analysis Date (Local):		5		5	955	9.7			5					
Analyst:		6		6	1192	9.7			6					
Stdization Date (Local):		7		7A	3034	9.8			7	7B	301	9.8		
KIO ₃ N:		8		8	3049	9.8			8					
Standard Titer:		9		9	3048	9.8			9					
Blank Titer:		10		10	3200	9.9			10					
THIO N:		11							11					
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
16 - Bender.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.

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Cruise Number:	2022-075	1							1					
Event:	8	2	✓✓	12	3038	7.7			2					
Station:	HAK1	3	✓✓	13	3180	8.4			3					
Event Date (Local):	2022-10-13	4	✓✓	14A	3164	9.8			4	14B	941	9.9		
Analysis Date (Local):		5	✓✓	15	2015	10.4			5					
Analyst:		6	✓✓	16	3068	10.6			6					
Stdization Date (Local):		7	✓✓	17	3090	10.9			7					
KIO ₃ N:		8	✓✓	18	3036	10.9			8					
Standard Titer:		9							9					
Blank Titer:		10							10					
THIO N:		11							11					
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
16 - Bender.xlsx		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-075	1							1					
Event:	13	2							2					
Station:	RO3	3	✓✓	44	3131	8.2			3					
Event Date (Local):	2022-10-14	4	✓✓	45	3106	8.2			4					
Analysis Date (Local):		5							5					
Analyst:		6	✓✓	47	1054	8.3			6					
Stdization Date (Local):		7	✓✓	48A	456	9.0			7	48B	650	9.1		
KIO ₃ N:		8	✓✓	49	2032	9.7			8					
Standard Titer:		9	✓✓	50	3150	10.7			9					
Blank Titer:		10	✓✓	51	1407	14.5			10					
THIO N:		11							11					
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
16 - Bender.xlsx		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-075	1							1					
Event:	22	2							2					
Station:	SP3	3	✓✓	73	2094	7.1			3					
Event Date (Local):	2022-10-15	4	✓✓	74	3110	7.1			4					
Analysis Date (Local):		5	✓✓	75	1470	7.1			5					
Analyst:		6	✓✓	76	3194	7.1			6					
Stdization Date (Local):		7	✓✓	77	942	7.6			7					
KIO ₃ N:		8							8					
Standard Titer:		9	✓✓	79	940	8.5			9					
Blank Titer:		10	✓✓	80A	3094	9.5			10	80B	1408	9.6		~1 1/2 squirts MnCl ₂ added
THIO N:		11	✓✓	81	3000	10.9			11					
Sample Flask Water Seal?	Yes	12	✓✓	82	1347	11.5		Flask # 3000	12					
	No	13	✓✓	83	3029	13.2		Flask # 1347	13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
20 - Shark.xlsx		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-075	1							1					
Event:	31	2							2					
Station:	FC1	3		128	638	7.1			3					
Event Date (Local):	2022-10-15	4		129	3070	7.1			4					
Analysis Date (Local):		5		130	1400	7.1			5					
Analyst:		6		131	425	7.1			6					
Stdization Date (Local):		7		132	712	7.1			7					
KIO ₃ N:		8		133	505	7.2			8					
Standard Titer:		9		134A	471	7.3			9	134B	1156	7.3		
Blank Titer:		10		135	950	7.7			10					
THIO N:		11		136	3103	8.8			11					
Sample Flask Water Seal?	Yes	12							12					
	No	13		138	1422	9.8			13					
Reagent Change?	MnCl ₂	14		139	3084	10.4			14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		140	3080	10.7			15					
	H ₂ SO ₄	16		141	2095	7.5			16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
20 - Shark.xlsx		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-075	1							1					
Event:	44	2		197	2045	7.5			2					
Station:	DE4	3							3					
Event Date (Local):	2022-10-17	4		199	3145	7.6			4					
Analysis Date (Local):		5							5					
Analyst:		6		201A	621	7.8			6	201B	3091	7.9		Start of Box 22 - Sword Fish.xlsx
Stdization Date (Local):		7							7					
KIO ₃ N:		8		203	570	8.4			8					
Standard Titer:		9							9					
Blank Titer:		10		205	691	8.8			10					
THIO N:		11							11					
Sample Flask Water Seal?	Yes	12		207	462	8.9			12					
	No	13							13					
Reagent Change?	MnCl ₂	14		209	1035	10.3			14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		211	2089	11.1			16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
20 - Shark.xlsx		21							21					
22 - Sword Fish.xlsx		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-075	1							1					
Event:	73	2							2					
Station:	SM2	3		302	3089	7.9			3					
Event Date (Local):	2022-10-19	4		303	371	7.9			4					
Analysis Date (Local):		5							5					
Analyst:		6		305	3161	7.9			6					
Stdization Date (Local):		7							7					
KIO ₃ N:		8		307A	1429	8.1			8	307B	3116	8.2		
Standard Titer:		9							9					
Blank Titer:		10		309	3135	9.3			10					
THIO N:		11							11					
Sample Flask Water Seal?	Yes	12		311	2056	7.8			12					
	No	13							13					
Reagent Change?	MnCl ₂	14		313	2049	9.8			14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		315	3108	9.8			16					
	KIO ₃	17							17					
	THIO	18		317	3078	10.6			18					
Notes:		19							19					
		20							20					
22 - Sword Fish.xlsx		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2022-075	1							1					
Event:	84	2							2					
Station:	KN06	3		348	1050	8.6			3					
Event Date (Local):	2022-10-20	4		349	948	8.6			4					
Analysis Date (Local):		5							5					
Analyst:		6		351	18	8.6			6					
Stdization Date (Local):		7							7					
KIO ₃ N:		8		353A	2000	8.6			8	353B	2063	8.1		
Standard Titer:		9							9					
Blank Titer:		10		355	2019	8.6			10					
THIO N:		11							11					
Sample Flask	Yes	12		357	930	8.4			12					
Water Seal?	No	13							13					
Reagent Change?	MnCl ₂	14		359	622	8.4			14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		361	3118	8.4			16					
	KIO ₃	17							17					
	THIO	18		363	3109	8.4			18					
Notes:		19							19					
		20		365	1473	9.7			20					
22 - Sword Fish.xlsx		21							21					
		22		367	957	10			22					
		23							23					
		24							24					

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