

SWORD FISH

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2015



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:	2017-23						1			001	547	9.3	4.536		1						Top Valve loose.
Event:	002						2			02	437	9.6	4.534		2						
Station:	JSI						3			03	438	9.3	4.535		3	003	3199	9.3	4.536		
Event Date (Local):	06 July 2017						4			04	3131	9.3	4.548		4						
Analysis Date (Local):	06 July 2017						5			05	3109	9.3	4.585		5						
Analyst:	TF						6			06	557	9.7	4.637		6						thio not in sample @ 1st attempt
Stdization Date (Local):	06 July 2017						7			07	3176	9.5	4.768		7						
KIO ₃ N:	0.0118636						8			08	3019	9.5	4.858		8						
Standard Titer:	0.4921505						9			09	339	9.7	5.035		9	009	3155	9.7	5.032		
Blank Titer:	0.0005279						10			10	3120	9.8	5.115		10						
THIO N:	0.241156						11			11	3044	9.9	5.205		11						
Sample Flask	☒ Yes						12			12	435	10.3	5.987		12						
Water Seal?	☐ No						13			13	3170		6.969		13						Is put in 10.3 as temp b/c no temp here
Reagent Change?	MnCl ₂						14								14						
(Please circle reagent that was changed prior to sampling and standardization)	None						15								15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								16						
	KIO ₃						17								17						
	THIO						18								18						
Notes:							19								19						
							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.

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Cruise Number:	2017-23						1		14	3180	8.1	2.967		1	14	429	8.1	2.934	little bubble during stirring (B)
Event:	003						2		15	3029	8.2	3.080		2					
Station:	QCS1						3		16	3118	8.3	3.157		3					
Event Date (Local):	06 July 2017						4		17	730	8.6	3.567		4					
Analysis Date (Local):	06 July 2017						5		18	658	9.5	4.859		5					
Analyst:	TF						6		19	3173	9.7	5.058		6	19	3030	9.7	5.061	
Stdization Date (Local):	06 July 2017						7		20	3079	9.8	5.192		7					
KIO ₃ N:	0.0118636						8		21	1050	10.4	6.065		8					
Standard Titer:	0.4921505						9							9					
Blank Titer:	0.0005279						10							10					
THIO N:	0.241156						11							11					
Sample Flask	(Yes)						12							12					
Water Seal?	No						13							13					
Reagent Change?	MnCl ₂						14							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							16					
	KIO ₃						17							17					
	THIO						18							18					
Notes:							19							19					
							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.

BENDER BOX

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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:	2017-23	1			22	3148	7.8	2.505		1					2					
Event:	005	2			23	3145	7.8	2.499		2					2					↑ " endpoint 2.8+ weird
Station:	QCS4	3			24	3126	7.8	2.501		3					3					↓ "
Event Date (Local):	06-JULY/17	4			25	3150	7.9	2.620		4	25	3129	7.9	2.611	4					
Analysis Date (Local):	07 July 2017	5			26	3135	8.0	2.727		5					5					changed zero from 2.83 to 2.512 ✓
Analyst:	TF	6			27	3190	8.1	2.892		6					6					
Stdization Date (Local):	06 July 2017	7			28	3125	8.3	3.232		7					7					
KIO ₃ N:	0.0118636	8			29	3142	8.6	3.508		8	29	3072	8.7	3.506	8					
Standard Titer:	0.4921505	9			30	3138	9.0	4.002		9					9					
Blank Titer:	0.0005279	10			31	3132	9.4	4.616		10					10					
THIO N:	0.241156	11			32	3028	10.3	6.258		11					11					
Sample Flask	Yes	12			33	3144	11.1	8.768		12					12					
Water Seal?	No	13			34	3000	12.4	9.144		13					13					
Reagent Change?	MnCl ₂	14								14					14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16					16					
	KIO ₃	17								17					17					
	THIO	18								18					18					
Notes:		19								19					19					
		20								20					20					
		21								21					21					
		22								22					22					
		23								23					23					
		24								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.

BENDER

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Cruise and Analysis Information							Nisk ID	Nisk Int V	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: 2017-23	1			43	3134	7.9	1.995								1						sample stored while I flushed burette x5
Event: 10	2			4											2						
Station: CS11.	3			45	3147	8.1	2.551								3	45	3080	8.2	2.548		3066 Bottle
Event Date (Local): 7 July 17	4			46	3022	8.7	4.494								4						
Analysis Date (Local): 8 July 17	5														5						
Analyst: TF	6			48	3143	9.4	5.130								6						
Stdization Date (Local): 6 July 17	7			49	2014	10.8	5.956								7						
KIO ₃ N: 0.0118636	8			50	3036	12.7	6.614								8						
Standard Titer: 0.4921505	9			51	3146	14	6.508								9						
Blank Titer: 0.0005279	10			52	3209	15.4	6.570								10						
THIO N: 0.241156	11														11						
Sample Flask Water Seal? ☒ Yes ☐ No	12														12						
Reagent Change? MnCl ₂	13														13						
(Please circle reagent that was changed prior to sampling and standardization)	14														14						
NOTE NEW BATCH IN LOG BOOK	15														15						
	16														16						
	17														17						
	18														18						
Notes:	19														19						
	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.

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Whale

Cruise and Analysis Information	Nisk ID	Nisk Int V 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: 2017-23	1		55	2091	2.5	1.759		1					
Event: 12	2		56	2092	7.4	1.877	→	2	56	3106	7.5	1.870	
Station: CS09	3		57	2097	8.1	3.130		3					
Event Date (Local): 0708 July 17	4		58	1442	8.9	5.090		4					
Analysis Date (Local): 0708 July 17	5		59	2020	9.9	5.916		5					
Analyst: JF	6		60	3089	12.1	6.436		6					
Stdization Date (Local): 06 July 17	7		61	462	12.7	6.469	→	7	61	3074	12.7	6.470	
KIO ₃ N: 0.0118626	8		62	3094	13.3	6.534		8					
Standard Titer: 0.4921505	9		63	3055	15	6.508		9					
Blank Titer: 0.0005279	10							10					
THIO N: 0.241156	11							11					
Sample Flask Water Seal? (Yes) No	12							12					
Reagent Change? MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	14							14					
NOTE NEW BATCH IN LOG BOOK	15							15					
	16							16					
	17							17					
	18							18					
Notes:	19							19					
	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.

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Cruise Number:	2017-23	1			64	3101	8.8	4.987		1					
Event:	15	2			65					2					
Station:	C506	3			66	3065	9.3	5.067		3					
Event Date (Local):	7 July 17	4			67	458	10.4	5.890	→	4	68	2063	10.4	5.887	
Analysis Date (Local):	7 July 17	5			68					5					
Analyst:	TF	6			69	3103	12.3	6.405		6					
Stdization Date (Local):	6 July 17	7			70	3094	14.3	6.549		7					
KIO ₃ N:	0.0118636	8			71	3095	15.5	6.318		8					
Standard Titer:	0.4921505	9								9					
Blank Titer:	0.0005279	10								10					
THIO N:	0.241156	11								11					
Sample Flask Water Seal?	(Yes) / No	12								12					
Reagent Change?	MnCl ₂	13								13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14								14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15								15					
	KIO ₃	16								16					
	THIO	17								17					
Notes:		18								18					
		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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TURTLE

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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:	2017-23	1			74	1023	7.5	1.823		1					
Event:	21	2			75	1472	8.3	3.447		2					
Station:	CS04	3			76	3110	9.3	5.199		3	76	1402	9.3	5.198	
Event Date (Local):	July 7/17	4			77	1035	11.5	6.069		4					
Analysis Date (Local):	7 July 17	5			78	3047	13.7	6.547		5					
Analyst:	TF	6			79	1422	15.3	6.390		6					
Stdization Date (Local):	6 July 17	7			80	1459	15.5	6.392		7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.4921505	9								9					
Blank Titer:	0.0005279	10								10					
THIO N:	0.241156	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					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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TURTLE

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1 ID	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: 2017-23		1		81	401	6.8	1.495		1					
Event: 23		2							2					
Station: Scotts 2		3							3					
Event Date (Local): 78 July 2017		4		84	1418	6.9	1.689		4	84	650	7.0	1.679	
Analysis Date (Local): 7 July 17		5		85	2035	Misc	2.379		5					used temp from 84B.
Analyst: TF		6		86	1019	7.9	2.693		6					
Stdization Date (Local): 6 July 17		7							7					
KIO ₃ N: 0.0118636		8		88	1470	8.4	3.377		8					
Standard Titer: 0.4921505		9		89	3121	8.7	5.286		9	89	3090	8.9	5.285	
Blank Titer: 0.0005279		10		90	3085	9.5	5.229		10					
THIO N: 0.241156		11							11					
Sample Flask Water Seal? ☒ Yes		12							12					
		13							13					
Reagent Change? MnCl ₂		14		94	3080	10.0	5.328		14					
(Please circle reagent that was changed prior to sampling and standardization)		15		95	3084	11.6	6.073		15					
NOTE NEW BATCH IN LOG BOOK		16		96	3048	13.5	6.641		16					
		17		97	2069	15.3	6.354		17					
		18							18					
Notes:		19							19					
		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.

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swordfish

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:	2017-23						1			100	547	4.2	1.576		1						
Event:	25						2								2						
Station:	CI8						3			102	437	4.8	0.562		3						
Event Date (Local):	8 July 2017						4			103	438	5.1	0.392		4						
Analysis Date (Local):	8 July 17						5			104	3199	6.6	0.235		5						lowest so far
Analyst:	TF						6			105	3131	5.9	0.274	⇒	6	105	3109	6.0	0.275		
Stdization Date (Local):	8 July 17						7								7						
KIO ₃ N:	0.0118636						8			107	557	6.3	0.603		8						
Standard Titer:	0.4920656						9			108	3176	6.5	1.044		9						
Blank Titer:	0.0004633						10			109	3091	7.0	1.466	⇒	10	109	339	7.1	1.467		
THIO N:	0.241165						11			110	3155	7.2	1.923		11						left burette tip out of sample 1st time
Sample Flask Water Seal?	(Yes)						12			111	3120	7.6	2.310		12						
	No						13			112	3044	8.1	2.886		13						
Reagent Change?	MnCl ₂						14			113	435	8.3	3.211		14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15			114	3170	8.7	4.445		15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16			115	1311	8.1	4.990	⇒	16	115	3180	8.2	4.981		
	KIO ₃						17			116	429	9.9	5.535		17						
	THIO						18			117	3029	10.6	5.720		18						
Notes:							19			118	3118	13.4	6.470		19						
							20			119	730	15.5	6.295		20						
							21								21						
							22								22						
							23								23						
							24								24						

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Water Properties Group

Bender

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-23	1		122	3148	5.7	0.399	⇒	1	122	3145	5.6	0.391	
Event:	27	2		123	—	—	—		2					
Station:	CI 6	3		124	3126	5.8	0.505		3					
Event Date (Local):	8 July 17	4		125	3150	6.4	0.501		4					
Analysis Date (Local):	9 July 17	5		126	3129	6.3	0.652		5					
Analyst:	TF	6		127	3135	6.5	1.066	⇒	6	127	3190	6.6	1.064	B analyzed before A
Stdization Date (Local):	8 July 17	7		128	—	—	—		7					
KIO ₃ N:	0.0118636	8		129	3125	6.9	1.617		8					
Standard Titer:	0.4920656	9		130	3142	7.0	1.855		9					
Blank Titer:	0.0004633	10		131	3072	7.5	2.434	⇒	10	131	3138	7.6	2.431	
THIO N:	0.241165	11		132	3132	8.1	2.828		11					
Sample Flask Water Seal?	Yes	12		133	3028	8.3	3.512		12					
	No	13		134	3144	8.6	5.125		13					
Reagent Change?	MnCl ₂	14		135	3000	9.4	5.636		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		136	3133	9.9	5.317		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		137	3134	11.1	5.895		16					
	KIO ₃	17		138	3147	13.2	6.718		17					
	THIO	18		139	3066	15.0	6.562		18					
Notes:		19							19					
		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.

Shark

Last Updated: January 2017



Cruise and Analysis Information							Nisk ID	Nisk Int V	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:	2017-23						1			142	1429	6.9	1.466		1						
Event:	30						2			143	94	7.0	1.520		2						
Station:	CI 4						3			144	1408	7.5	2.048		3	144	2007	7.6	2.025	..	
Event Date (Local):	8 July 17						4			145	3158	8.5	4.092		4						
Analysis Date (Local):	9 July 17						5			146	2025	9.1	5.115		5						
Analyst:	TF						6			147	2019	10.1	5.631		6						
Stdization Date (Local):	8 July 17						7			148	2017	11.0	5.829		7						
KIO ₃ N:	0.0118636						8			149	2016	11.3	5.941		8						
Standard Titer:	0.4920656						9			150	1465	14.7	6.324		9						
Blank Titer:	0.0004633						10			151	3062	15.7	6.221		10						
THIO N:	0.24165						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						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								16						
	KIO ₃						17								17						
	THIO						18								18						
Notes:							19								19						
							20								20						
							21								21						
							22								22						
							23								23						
							24								24						

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Water Properties Group

Last Updated: January 2017



Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-23	1		152	2027	7.1	1.396		1					
Event:	34	2		153					2					
Station:	C101	3		154	2032	7.7	2.649		3	154	2043	7.7	2.648	
Event Date (Local):	July 8/17	4		155	2040	8.6	4.707		4					
Analysis Date (Local):	9 July 17	5							5					
Analyst:	TF	6		157	2047	9.7	5.467		6					
Stdization Date (Local):	8 July 17	7		158	3033	10.3	5.982		7					
KIO ₃ N:	0.0118636	8		159	3009	12.7	6.602		8					
Standard Titer:	0.4920656	9		160	621	14.8	6.368		9	160	3032	14.9	6.365	
Blank Titer:	0.0004633	10		161	3000		6.265		10					used 14.9 as temp / not resealed
THIO N:	0.241165	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					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		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.

BENDY

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:	2017-23	1			164	3143	7.1	1.548		1					
Event:	36	2								2					
Station:	HA1K1	3								3					
Event Date (Local):	8 July 17	4			167	2014	7.9	2.984		4					
Analysis Date (Local):	9 July 17	5								5					
Analyst:	TF	6			169A	3036	8.5	3.977		6	169B	3146	8.5	3.975	
Stdization Date (Local):	8 July 17	7								7					
KIO ₃ N:	0.0118636	8			171	3209	9.2	5.136		8					
Standard Titer:	0.4920656	9								9					
Blank Titer:	0.0004633	10								10					
THIO N:	0.241165	11			174	569	10.9	5.033		11					
Sample Flask Water Seal?	Yes	12								12					
	No	13			176A	3194	11.6	5.982		13	176B	3059	11.6	5.978	accidentally put 2 stir bars into sample - had to retrieve 1
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			178	1094	13.4	7.211		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16								16					
	KIO ₃	17			180	3051	15.4	7.018		17					
	THIO	18								18					
Notes:		19								19					
		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Turtle

Cruise and Analysis Information		Nisk ID	Nisk Int V 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:	2017-23	1		195	1003	7.3	1.814		1					
Event:	37	2							2					
Station:	MSI	3		197	1472	7.7	2.351		3	197	3110	7.7	2.350	
Event Date (Local):	8 July 17	4		198	1402	8.0	2.990		4					
Analysis Date (Local):	9 July 17	5							5					
Analyst:	TF	6		200	1035	8.4	3.657		6					
Stdization Date (Local):	8 July 17	7		3047	201	3047	9.5	4.976	7					
KIO ₃ N:	0.0118636	8		202	1422	10.3	5.542		8					
Standard Titer:	0.4920656	9		203	1459	11.9	6.495		9	203	1457	11.9	6.498	
Blank Titer:	0.0004633	10		204	1407	14.1	6.509		10					
THIO N:	0.241165	11		205	1418	15.2	6.334		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					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Whale

flushed this burette
in between problem
successful analysis
of 206A.

Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2017-23	1			206	2091	4.2	3.887	⇒ had problem closing a A - see file notes	1				206	2092	4.3	3.811	B analysis likely better than A	
Event:	43	2			207					2									
Station:	JPS7	3			208	3106	4.2	4.702		3									
Event Date (Local):	10 July 17	4			209	2087	4.8	5.834		4									
Analysis Date (Local):	10 July 17	5			210		4.9			5									
Analyst:	TF	6			211	1442	10.4	6.261		6									
Stdization Date (Local):	9 July 17	7			212	2020	11.3	7.073		7									
KIO ₃ N:	0.0118636	8			213	3089	12.9	6.728		8									
Standard Titer:	0.4920656	9			214	462	13.7	6.549		9									
Blank Titer:	0.0004633	10			215					10									
THIO N:	0.241165	11			216					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									
		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Whale

Cruise and Analysis Information							Nisk ID	Nisk Int V 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:	2017-23	1			217	3094	8.2	3.673						1						
Event:	48	2			218									2						SP: got 1 pushed in
Station:	JPS 4	3			219	3055	8.2	3.687						3						
Event Date (Local):	10 July FT	4			220	3052	8.1	3.694	⇒					4	220	3101	8.2	3.698		
Analysis Date (Local):	10 July 17	5			221	3065	8.3	3.837						5						
Analyst:	TF	6			222	458	8.3	3.980						6						
Stdization Date (Local):	9 July 17	7			223									7						
KIO ₃ N:	0.0118636	8			224	2063	8.6	4.489						8						
Standard Titer:	0.4920656	9			225	3103	9.6	5.638	⇒					9	225	3098	9.6	5.633		
Blank Titer:	0.0004633	10			226	3095	10.5	6.121						10						
THIO N:	0.241165	11			227	1312	11.0	6.106						11						
Sample Flask Water Seal?	Yes	12			228	371	11.3	6.301						12						
	No	13			229	2090	13.0	6.940						13						
Reagent Change?	MnCl ₂	14			230	3054	13.3	6.841						14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15												15						
	H ₂ SO ₄ none	16												16						
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17												17						
	THIO	18												18						
Notes:		19												19						
		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Bender

Cruise and Analysis Information	Nisk ID	Nisk Int V 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: 2017-23	1		231	3148	8.5	3.982		1					
Event: 5150	2		232					2					
Station: JPS1	3		233	3145	8.8	4.243	⇒	3	233	3126	8.8	4.236	
Event Date (Local): 10 July 17	4		234	3150	9.7	5.474		4					
Analysis Date (Local): 10 July 17	5		235					5					
Analyst: TF	6		236	3129	11.1	6.248		6					
Stdization Date (Local): 9 July 17	7		237	3135	11.7	6.524		7					
KIO ₃ N: 0.0118636	8		238	3190	11.9	6.624		8					
Standard Titer: 0.4920656	9		239	3125	12.1	6.821		9					
Blank Titer: 0.0004633	10		240	3142	12.3	6.935		10					
THIO N: 0.241165	11							11					
Sample Flask Water Seal? ☒ Yes	12							12					
	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	15							15					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes:	19							19					
	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.