

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



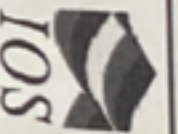
Last Updated: December

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: 2021-036			1							1					
Event: 4304			2		2	425	3.2	1.096		2					
Station: SE01			3		3	1465	3.2	1.046		3					
Event Date (Local): 17 June 2021			4		4	690	3.5	0.537	Forgot the this tube stopped, fixed it, again	4					
Analysis Date (Local): 18 June 2021			5		5	429	3.9	0.457		5					
Analyst: Julian			6		6	2087	4.0	0.361		6					
Standardization Date (Local): 18 June 2021			7							7					
KIO ₃ N: 0.0119265			8		8A	1378	4.2	0.383	→	8	8B	196	4.4	0.381	
Standard Titer: 0.4941			9		9	933	4.4	0.267		9					
Blank Titer: 0.0005			10		10	3008	4.5	0.355		10					
THIO N: 0.23936			11		11	1015	4.7	0.249		11					
Sample Flask Water Seal? ☒ Yes			12		12	569	4.8	0.260		12					
Reagent Change? ☐ No			13		13	3007	5.2	0.242		13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)			14		14	2000	5.4	0.315		14					
NaI/NaOH			15		15A	1053	5.6	0.543	→	15	15B	2069	5.7	0.530	Dups off
H ₂ SO ₄			16							16					
KIO ₃			17		17	691	5.7	0.942		17					
THIO			18		18	2040	5.9	1.490		18					
Notes:			19		19	1019	6.4	2.410		19					
			20		20	94	8.2	6.730		20					
21 - Swallow.xlsx			21		21	2075	10.5	6.289		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 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)
Cruise Number:	2021-036	1		22	2089	2.7	2080				1				
Event:	OR	2		23	371	2.6	2014				2				
Station:	DS39	3		24	3009	2.8	1.596				3				
Event Date (Local):	18 JUN 21	4		25	3100	2.9	1.286				4				
Analysis Date (Local):	19 JUN 21	5		26A	2043	3.2	0.937	→			5	26B	2019	3.4	0.944
Analyst:	CS	6		27	3000	3.4	0.544				6				
Standardization Date (Local):	18 JUN 21	7		28	2027	3.8	0.312				7				
KIO ₃ N:	0.018265	8		29	3032	3.8	0.344				8				
Standard Titer:	6.9944	9		30	2047	4.2	0.303				9				
Blank Titer:	0.2005	10		31	3072	4.4	0.214				10				
THIO N:	0.28934	11		32A	3030	4.5	0.222	→			11	32B	3109	4.7	0.269
Sample Flask Water Seal?	Yes	12		33	505	4.7	0.261				12				
Reagent Change?	MnO ₂	13		34	3049	4.8	0.248				13				
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		35	3057	5.1	0.248				14				
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		36	1429	5.5	0.306				15				
	KIO ₃	16		37	930	5.7	0.391				16				
	THIO	17		38	1409	5.9	0.649				17				
Notes:		18		39	2032	6.2	1.152				18				
		19		40	3127	6.6	1.135				19				
		20		41	3145	7.9	0.545				20				
		21		42	2092	12.4	6.516				21				
16 - Bender.xlsx		22									22				
		23													
		24													

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

2021-036	DS39	OXY	42	2021-036	DS39	OXY	41	2021-036	DS39	OXY	40	2021-036	DS39	OXY	39	2021-036	DS39	OXY	38	2021-036	DS39	OXY	37	2021-036	DS39	OXY	36	2021-036	DS39	OXY	35
10 m				100 m				300 m				400 m				500 m			600 m			700 m			800 m						
bot 21				bot 20				bot 19				bot 18				bot 17			bot 16			bot 15			bot 14						

plain this in the comments column.

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Last Updated: December 2019

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Water Properties Group



Cruise and Analysis Information

Cruise Number: 2021-036

Event: 15

Station: DS46

Event Date (Local): 18 June 2021

Analysis Date (Local): 19 June 2021

Analyst: SS

Standardization Date (Local): 18 June 2021

KIO₃ N: 0.0116285

Standard Titer: 0.4941

Blank Titer: 0.0005

THIO N: 0.734354

Sample Flask Water Seal? ☒ Yes

Reagent Change? ☒ No

MinO₂

NaI/NaOH

H₂SO₄

KIO₃

THIO

Notes:

21 - Swallow.xlsx

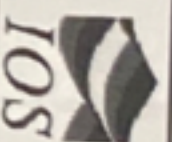
Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1						
2						
3						
4		49	425	5.6	0.390	
5		50	1465	5.6	0.489	
6		51A	690	5.7	0.651	→
7		52	2087	6.1	1.164	
8		53	1378	6.5	1.675	
9		54	196	7.9	4.955	
10		55	933	12.7	6.456	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6	51B	429	5.8	0.654	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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 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:	2021-036			1															1										
Event:	26			2				60	1015			3.89	0.443						2										
Station:	DS27			3				61	569			3.8	0.440						3										
Event Date (Local):	20 Jun 2021			4				62	3007			4.1	0.383						4										
Analysis Date (Local):	21 Jun 2021			5				63A	2000			4.4	0.300						5		63B	1053	4.5	0.311					
Analyst:	Julian			6				64	2069			4.6	0.287						6										
Standardization Date (Local):	18 June 2021			7				65	691			4.7	0.250						7										
KIO ₃ N:	0.615065			8				66	2040			4.8	0.235						8										
Standard Titer:	0.4441			9															9										
Blank Titer:	0.0005			10				68	1019			4.9	0.240						10										
THIO N:	0.239359			11				69	94			5.2	0.250						11										
Sample Flask Water Seal?	☒			12				70	2075			5.5	0.266						12										
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂			13				71A	2088			5.7	0.438						13		71B	650	5.7	0.458					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			14				72	1470			5.9	0.695						14										
	NaI/NaOH			15															15										
	KIO ₃			16				74	2090			6.1	1.297						16										
	THIO			17				75	438			6.4	2.186						17										
Notes:				18				76	3070			7.9	4.944						18										
				19				77	3108			12.1	6.462						19										
				20															20										
				21															21										
				22															22										
				23															23										
				24															24										

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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	
1							
2		79	2089	3.8	0.453		
3		80	371	4.0	0.422		
4		81	3009	4.2	0.371		
5		82	3100	4.6	0.285		
6							
7		84A	2043	4.7	0.262		
8		85	3000	4.7	0.247		
9		86	2027	4.8	0.245		
10		87	3032	5.1	0.230		
11		88	2047	5.4	0.253		
12							
13		90	3072	5.6	0.347		
14		91A	3030	5.7	0.188		
15		92	505	6.0	0.124		
16		93	3049	6.1	1.350		
17		94A	3057	6.6	2.191		
18		95	930	8.1	5.578		
19		96	1409	12.8	6.441		
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	
1					
2					
3					
4					
5					
6					
7	84B	2019	4.9	0.254	
8					
9					
10					
11					
12					
13					
14	91B	3109	5.8	0.484	
15					
16					
17	94B	1429	6.7	2.194	
18					
19					
20					
21					

82	84A	84B
OXY TW01	OXY TW01	OXY TW01
2021-036 1100 m bot 5	2021-036 1050 m bot 7	2021-036 1050 m bot 7
85	86	87
OXY TW01	OXY TW01	OXY TW01
2021-036 1000 m bot 8	2021-036 950 m bot 9	2021-036 900 m bot 10
88	90	91A
OXY TW01	OXY TW01	OXY TW01
2021-036 800 m bot 11	2021-036 700 m bot 13	2021-036 600 m bot 14
91B	92	93
OXY TW01	OXY TW01	OXY TW01
2021-036 600 m bot 14	2021-036 500 m bot 15	2021-036 400 m bot 16

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this in the comments column.

96
OXY
TW01
2021-036
10 m
bot 19

95
OXY
TW01
2021-036
100 m
bot 18

94B
OXY
TW01
2021-036
300 m
bot 17

94A
OXY
TW01
2021-036
300 m
bot 17

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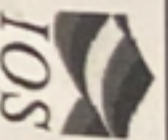


Cruise and Analysis Information				Nisk ID				Nisk Int V S				Sample ID				Flask 1				Draw Temp 1 (°C)				OXY-1 (mL/L)				OXY-1 Comments				Nisk ID				Sample ID				Flask 2				Draw Temp 2 (°C)				OXY-2 (mL/L)				OXY-2 Comments																																															
Cruise Number: 2021-036				1				2				3				4				5				6				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24			
Event: 35				2				3				4				5				6				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24							
Station: TW06				3				4				5				6				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24											
Event Date (Local): 20 June 2021				4				5				6				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24															
Analysis Date (Local): 21 June 2021				5				6				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24																			
Analyst: Sullivan				6				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24																							
Stratification Date (Local): 16 June 2021				7				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24																											
KIO ₃ N: 0.0118265				8				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24																															
Standard Titer: 0.4941				9				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24																																			
Blank Titer: 0.0005				10				11				12				13				14				15				16				17				18				19				20				21				22				23				24																																							
THIO N: 0.239354				11				12				13				14				15				16				17				18				19				20				21				22				23				24																																											
Sample Flask Water Seal? ☒ Yes				12				13				14				15				16				17				18				19				20				21				22				23				24																																															
Reagent Change? ☐ No				13				14				15				16				17				18				19				20				21				22				23				24																																																			
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)				14				15				16				17				18				19				20				21				22				23				24																																																							
NaI/NaOH				15				16				17				18				19				20				21				22				23				24																																																											
H ₂ SO ₄				16				17				18				19				20				21				22				23				24																																																															
NOTE NEW BATCH IN LOG BOOK				17				18				19				20				21				22				23				24																																																																			
KIO ₃				18				19				20				21				22				23				24																																																																							
THIO				19				20				21				22				23				24																																																																											
Notes:				20				21				22				23				24																																																																															
17 - Loch Ness.xlsx				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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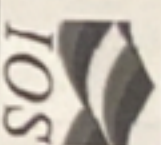
Last Updated: December 20

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:	2021-036		1							1					
Event:	37		2		116	2016	3.3	1.591		2					
Station:	TW09		3		117	3173	3.3	1.591		3					
Event Date (Local):	21 June 2021		4		118	3116	3.3	1.362		4					
Analysis Date (Local):	21 June 2021		5		119	3090	3.6	0.445		5					
Analyst:	Julian		6		120	2015	3.9	0.616		6					
Standardization Date (Local):	18 June 2021		7		121A	3036	4.8	0.418	→	7	121B	1422	4.5	0.467	
KIO ₃ N:	0.6118265		8		122	712	4.5	0.383		8					
Standard Titer:	0.444107		9		123	1416	4.8	0.275		9					
Blank Titer:	0.0065		10							10					
THIO N:	0.239359		11		125	2094	4.9	0.244		11					
Sample Flask Water Seal?	Yes		12		126	3054	5.7	0.242		12					
Reagent Change?	No		13		127	2025	5.3	0.235		13					
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂		14		128	1408	5.4	0.239		14					
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH		15		129A	3010	5.7	0.260	→	15	129B	458	5.7	0.251	
	H ₂ SO ₄		16		130	1442	5.8	0.466		16					
	KIO ₃		17		131	3038	6.1	0.601		17					
	THIO		18		132	3162	6.3	0.899		18					
Notes:			19							19					
			20		134	3094	6.4	1.348		20					
			21		135	3143	6.9	2.033		21					
			22		136A	3175	8.1	5.046	→	22	136B	3144	8.1	5.049	
			23		137	3121	10.3	6.493		23					
			24							24					

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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:	2021-036	1									1					
Event:	49	2									2					
Station:	ST01	3									3					
Event Date (Local):	25 June 2021	4	150	425	3.1	1.164					4					
Analysis Date (Local):	25 June 2021	5	151	1465	3.2	1.108					5					
Analyst:	JS	6	152	690	3.5	0.516					6					
Standardization Date (Local):	25 June 2021	7	153	429	3.6	0.406					7					
KIO ₃ N:	0.014265	8	154	2087	3.8	0.352					8					
Standard Titer:	0.0044221	9	155	1378	4.1	0.298					9					
Blank Titer:	0.0005	10	156A	196	4.2	0.287					10	156B	933	4.4	0.284	
THIO N:	0.239321	11	157	3008	4.4	0.279					11					
Sample Flask Water Seal?	(Yes)	12	158	1015	4.5	0.299					12					
Reagent Change?	(Yes) <u>MnCl₂</u>	13	159	569	4.7	0.294					13					
(Please circle reagent that was changed prior to sampling and standardization)	(Yes) <u>Kal/NaOH</u>	14	160	3007	4.9	0.322					14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15	161	2000	5.3	0.348					15					
	KIO ₃	16	162	1053	5.5	0.442					16					
	THIO	17	163A	2069	5.7	0.482					17	163B	691	5.8	0.503	
Notes:		18	164	2040	5.9	0.264					18					
		19	165	1019	6.3	0.131					19					
		20	166	94	7.9	6.352					20					
21 - Swallow.xlsx		21	167	2075	12.5	6.380					21					
		22									22					
		23									23					
		24									24					

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Last Updated: December 2011

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:	2021-036		1		168	2089	2.7	2.34		1					
Event:	52		2		169	371	2.7	2.323		2					
Station:	ST08		3		170	3009	2.8	2.454		3					
Event Date (Local):	25 June 2021		4		171	3100	2.8	1.945		4					
Analysis Date (Local):	25 June 2021		5		172	2043	3.1	1.592	New water in bath; adjusted Volts	5					
Analyst:	Julian		6		173	2019	3.1	1.327		6					
Standardization Date (Local):	23 June 2021		7		174	3000	3.3	0.945		7					
KIO ₃ N:	0.01148265		8		175	2027	3.5	0.590		8					
Standard Titer:	0.4941167		9		176	3032	3.8	0.441		9					
Blank Titer:	0.0005		10		177A	2047	3.9	0.365	→	10	177B	3072	4.0	0.342	∴
THIO N:	0.239321		11		178	3030	4.2	0.245		11					
Sample Flask Water Seal?	☒ Yes		12		179	3109	4.5	0.277		12					
Reagent Change?	☒ Yes		13		180	505	4.5	0.273		13					
(Please circle reagent that was changed prior to sampling and standardization)	☒ MnCl ₂		14		181	3049	4.7	0.278		14					
NOTE NEW BATCH IN LOG BOOK	☒ NaI/NaOH		15		182	3057	4.8	0.288		15					
	☒ H ₂ SO ₄		16		183	1429	5.0	0.315		16					
	☒ KIO ₃		17		184	930	5.3	0.370		17					
	☒ THIO		18		185A	1409	5.5	0.502	→	18	185B	2032	5.6	0.507	∴
Notes:			19		186	3127	5.7	0.861		19					
			20		187	3145	5.9	1.360		20					
			21		188	2092	6.3	2.096		21					
			22		189	3074	8.1	6.756		22					
			23		190	471	10.7	6.405		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: December 201

Cruise and Analysis Information				Nisk ID		Sample ID		Draw		OXY-1 Comments		Nisk ID		Sample ID		Draw		OXY-2 Comments		
Cruise Number:	Event:	Station:	Event Date (Local):	Analysis Date (Local):	Analyst:	Standardization Date (Local):	KIO ₃ N:	Standard Titer:	Blank Titer:	THIO N:	Sample Flask Water Seal?	Reagent Changed?	Notes:	1	2	1	2	1	2	
2021-036	56	UN13_10	24 June 2001	26 June 2001	JS	23 June 2001	0.0118265	0.4942	0.0005	0.234221	Yes	MnO ₂ (Please circle reagent that was changed prior to sampling and standardization) NaI/NaOH H ₂ SO ₄ KIO ₃ THIO								
191	456	2.8	2.506											1	192B	611	3.0	2.475		
192A	2098	2.8	2.477											2						
193	3029	2.8	2.334											3						
194	2007	2.9	2.148											4						
195	3041	3.1	1.855											5						
196	3155	3.2	1.562											6						
197	3120	3.3	1.228											7						
198	622	3.5	0.786											8						
199	3044	3.7	0.484											9						
200	3101	4.0	0.359											10						
201	3078	4.2	0.321											11						
202	3048	4.4	0.289											12						
203	3131	4.5	0.278											13						
204	3079	4.7	0.289											14						
205	3142	4.9	0.283											15						
206	2065	4.9	0.304											16						
207	3133	5.2	0.317											17						
208A	3158	5.5	0.350											18	208B	3005	5.5	0.350		
209	2049	5.6	0.538											19						
210	1406	5.9	0.845											20						
211	3037	6.0	1.350											21						
212A	3103	6.3	2.050											22	212B	3059	6.4	2.052		
213	3080	8.1	6.471											23						
214	1459	12.0	6.439											24						

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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:	2021-036		1							1					
Event:	59		2		216	2016	3.2	1.530		2					
Station:	UN13_06		3		217	3173	3.1	1.580	over-tilted → bubble ⇒ flushed for next run.	3					
Event Date (Local):	25 June 2021		4		218A	3116	3.2	1.335		4	218B	3090	3.4	1.329	—
Analysis Date (Local):	26 June 2021		5		219	2015	3.5	0.863		5					
Analyst:	Julian		6		220	3036	3.7	0.512		6					
Standardization Date (Local):	23 June 2021		7		221	1422	4.0	0.382		7					
KIO ₃ N:	0.018265		8		222	712	4.2	0.335		8					
Standard Titer:	0.4941667		9		223	1416	4.4	0.285		9					
Blank Titer:	0.0005		10		224	2094	4.5	0.283		10					
THIO N:	0.239321		11							11					
Sample Flask Water Seal?	Yes		12		226A	3054	4.7	0.288		12	226B	2025	4.8	0.299	—
Reagent Change?	Yes		13		227	1408	4.9	0.267		13					
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂		14		228	3010	5.0	0.297		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄		15		229	458	5.3	0.289		15					
	KIO ₃		16		230	1442	5.6	0.324		16					
	THIO		17		231	3038	5.7	0.524		17					
			18		232	3162	5.8	0.873	over-tilted	18					
Notes:			19		233	3094	6.1	1.350		19					
			20		234	3143	6.5	1.845		20					
			21		235	3175	6.3	6.606		21					
			22		236	3144	6.7	6.392		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



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)	
Cruise Number:	2021-036		1							1					239 UN13_01 2021-036 BTM-5 m
Event:	62		2		239	557	2.8	1.758		2					240 UN13_01 2021-036 BTM-25 m
Station:	UN13_01		3		240	2014	2.8	1.741		3					241 UN13_01 2021-036 2000 m
Event Date (Local):	25 Jun 2021		4		241	339	3.1	1.409		4					244 UN13_01 2021-036 1350 m
Analysis Date (Local):	26 June 2021		5		242	658	3.4	0.171		5					245 UN13_01 2021-036 1750 m
Analyst:	SS/cs		6		243	730	3.5	0.554		6					246 UN13_01 2021-036 1500 m
Standardization Date (Local):	23 June 2021		7		244	3051	3.8	0.384		7					248 UN13_01 2021-036 1100 m
KIO ₃ N:	0.0118765		8		245	1035	3.9	0.346		8					249 UN13_01 2021-036 1000 m
Standard Titer:	0.4411667		9		246	931	4.1	0.299		9					250 UN13_01 2021-036 950 m
Blank Titer:	0.0005		10							10					251 UN13_01 2021-036 900 m
THIO N:	0.239321		11		248	3040	4.3	0.295		11					252 UN13_01 2021-036 800 m
Sample Flask Water Seal?	Yes		12		249	3176	4.5	0.273		12					253 UN13_01 2021-036 700 m
Reagent Change?	No		13		250	1472	4.5	0.286		13					254 UN13_01 2021-036 600 m
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂ NaI/NaOH		14		251	3118	4.8	0.310		14					255 UN13_01 2021-036 600 m
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ KIO ₃		15		252	1402	5.2	0.308		15					258 UN13_01 2021-036 300 m
	THIO		16		253	3025	5.4	0.308		16					259 UN13_01 2021-036 100 m
			17		254	2056	5.6	0.512		17					260 UN13_01 2021-036 10 m
			18		255	3067	5.8	0.755		18					260 UN13_01 2021-036 10 m
Notes:			19							19					259 UN13_01 2021-036 100 m
			20		257	3068	6.0	1.220		20					258 UN13_01 2021-036 300 m
			21		258	3013	6.3	1.862		21					257 UN13_01 2021-036 400 m
			22		259	1418	8.0	0.646		22					255 UN13_01 2021-036 500 m
			23		260	1457	13.2	0.303		23					255 UN13_01 2021-036 500 m
			24							24					254 UN13_01 2021-036 900 m

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark

this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



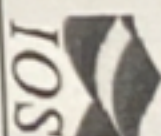
Last Updated: December 2019

Cruise and Analysis Information				Nisk ID	Nisk Int 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:	2021-036	1									1					
Event:	62	2		262	557	8.2	0.922	overtitrated			2					
Station:	EN01	3		263	2014	3.7	0.864				3					
Event Date (Local):	26 June 2021	4		264	339	3.9	0.634				4					
Analysis Date (Local):	27 June 2021	5		265	658	4.3	0.448				5					
Analyst:	JS	6		266	730	4.3	0.364	-			6	266	1418	4.5	0.361	-
Standardization Date (Local):	23 June 2021	7		267	3051	4.8	0.235				7					
KIO ₃ N:	0.0116265	8									8					
Standard Titer:	0.4441667	9		269	1035	4.9	0.250				9					
Blank Titer:	0.0005	10		270	931	5.0	0.231				10					
THIO N:	0.234321	11		271	3040	5.2	0.225				11					
Sample Flask Water Seal?	Yes	12		272	3176	5.4	0.206				12					
	No	13		273	1472	5.7	0.205				13					
Reagent Change?	MnCl ₂	14		274	3118	5.9	0.289				14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		275	1402	6.0	0.502				15	2158	1437	6.1	0.446	-
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		276	3025	6.1	0.854				16					
	KIO ₃	17									17					
	THIO	18		278	2056	6.4	1.470				18					
Notes:		19		279	3067	7.2	2.147				19					
		20		280	3068	8.4	5.429				20					
22 - Sword Fish.xlsx		21		281	3013	14.5	6.206				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



OXY-1 Comments

OXY-2 Comments

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:	2021-036	1																				
Event:	71	2				283	2089	3.1	1.785													
Station:	EN02	3				284	371	3.1	1.751													
Event Date (Local):	26 June 2021	4				285A	3009	3.4	1.244													
Analysis Date (Local):	27 June 2021	5				286	2043	3.7	0.985													
Analyst:	JS	6				287	2019	3.9	0.609													
Standardization Date (Local):	23 June 2021	7				288	3000	4.2	0.429													
KIO ₃ N:	0.018265	8				289	2027	4.4	0.353													
Standard Titer:	0.4941667	9				290	3032	4.8	0.278													
Blank Titer:	0.0005	10				291	2047	4.9	0.244													
THIO N:	0.239321	11																				
Sample Flask Water Seal?	(Yes) No	12				293A	3072	5.1	0.222													
Reagent Change?	MnCl ₂	13				294	3109	5.1	0.215													
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14				295	505	5.4	0.210													
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15				296	3049	5.7	0.196													
	KIO ₃	16				297	3057	5.8	0.238													
	THIO	17				298	1429	6.1	0.360													
		18				299	930	6.3	0.617													
		19				300	1409	6.6	1.137													
		20				301	2032	7.3	1.659													
		21				302	3127	8.8	4.648													
		22				303	3145	14.7	6.129													
		23																				
		24																				

Notes:

16 - Bender.xlsx

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