

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	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:	2018-034						1			1	196	9.4	2.445	OT - terrible stepwise curve (flag)	1					
Event:	1						2			2	396	9.5	2.469	" something did not OT (flag)	2					0.2340 prevol 0.231
Station:	HAR059						3			3	471	10.3		0.002 starting volts OT NO GOOD	3					see notes in book
Event Date (Local):	02 SEPT 2018						4			4	505	10.6	3.237		4					
Analysis Date (Local):	02 SEPT 2018						5			5	712	11.3	3.725		5					
Analyst:	N2						6			6A	1055	11.3	3.741	→ slight drop	6	6B	1223	11.3	3.739	✓
Stdization Date (Local):	02 SEPT 2018						7			7	1094	11.5	3.856		7					
KIO ₃ N:	0.00117854						8			8	1406	11.8	4.162		8					
Standard Titer:	0.4715						9			9	1407	12.0	4.272		9					
Blank Titer:	0.0004						10			10A	1409	12.1	4.327	→	10	10B	1416	12.1	4.328	✓
THIO N:	0.249965						11			11	2055	12.3	4.511		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.

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Cruise Number: 2018-034	1			22	196	11.0	3.841		1					
Event: 003	2			23	396	11.1	3.955		2					
Station: L301	3			24	471	12.2	5.163		3					
Event Date (Local): 02-09-18	4			25	505	12.4	5.225		4					
Analysis Date (Local): 03 SEPT 2018	5								5					
Analyst: NZ	6								6					
Stdization Date (Local): 02 SEPT 2018	7								7					
KIO ₃ N: 0.0117854	8								8					
Standard Titer: 0.4215	9								9					
Blank Titer: 0.0004	10								10					
THIO N: 0.249965	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					
	16								16					
NOTE NEW BATCH IN LOG BOOK	17								17					
	18								18					
Notes:	19								19					
	20								20					
	21								21					
	22								22					
	23								23					
	24								24					

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Cruise Number:	2018-034						1			27	1055	9.8	2.890		1					
Event:	004						2			28	1223	9.9	2.939		2					
Station:	L B 02						3			29A	1094	10.6	3.492	→ flushed Nitro bubbles between reps	3	29B	1406	10.6	3.489	✓
Event Date (Local):	02-09-18						4			30A	1407	11.6	4.472	→	4	29B				
Analysis Date (Local):	03 SEPT 2018						5			30	1409	12.1	4.876		5					
Analyst:	N2						6			31					6					
Stdization Date (Local):	02 SEPT						7								7					
KIO ₃ N:	0.0117854						8								8					
Standard Titer:	0.4715						9								9					
Blank Titer:	0.0004						10								10					
THIO N:	0.249965						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					
	NESSIE						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 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: 2018-034	1	✓	✓	33	2055	8.1	1.528		1					1					
Event: 06	2	✓	✓	34A	2056	8.3	1.824		2	34B	2060	8.3	1.829	2	34B	2060	8.3	1.829	SKIPPED 2065 bottle not labeled
Station: LB 04	3	✓	✓	35	2068	8.6	2.251		3					3					
Event Date (Local): 03 SEPT	4	✓	✓	36	2089	9.9	3.533		4					4					
Analysis Date (Local): 03 SEPT	5	✓	✓	37	3005	10.5	4.521		5					5					
Analyst: N2	6	✓	✓	38	3046	12.6	6.353		6					6					
Stdization Date (Local): 02 SEPT	7	✓	✓	39	3049	12.0	5.147		7					7					
KIO ₃ N: 0.017854	8								8					8					
Standard Titer: 0.4715	9								9					9					
Blank Titer: 0.0004	10								10					10					
THIO N: 0.249965	11								11					11					
Sample Flask (Yes)	12								12					12					
Water Seal? No	13								13					13					
Reagent Change? MnCl ₂	14								14					14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					15					
NOTE NEW BATCH IN LOG BOOK	16								16					16					
	17								17					17					
	18								18					18					
	19								19					19					
	20								20					20					
	21								21					21					
	22								22					22					
	23								23					23					
	24								24					24					

Notes:

NESSIE
forgot to
enter draw
temp on box
file

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Cruise Number: 2018-034	1	✓	✓	41	528	8.0	1.235							1					
Event: 10	2	✓	✓	42A	3114	7.9	1.392	→						2	42B	3190	7.9	1.389	
Station: L806	3	✓	✓	43	3148	8.1	1.585							3					
Event Date (Local): 03 SEPT 2018	4	✓	✓	44	3093	8.2	1.672							4					
Analysis Date (Local): 03 SEPT	5	✓	✓	45	3138	9.2	2.461							5					
Analyst: N ²	6	✓	✓	46	2098	10.9	4.129							6					
Stdization Date (Local): 02 SEPT	7	✓	✓	47	745	13.4	6.129							7					
KIO ₃ N: 0.0117854	8	✓	✓	48	3146	13.9	6.387							8					
Standard Titer: 0.4715	9													9					
Blank Titer: 0.0004	10													10					
THIO N: 0.249965	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					
	16													16					
NOTE NEW BATCH IN LOG BOOK	17													17					
	18													18					
Notes: Sparrow	19													19					
	20													20					
	21													21					
	22													22					
	23													23					
	24													24					

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Cruise Number: 2018-034	1	✓	✓	50	611	8.1	0.784							1					
Event: 25	2	✓	✓	51A	510	8.1	0.848	→						2	51B	708	8.1	0.852	
Station: LBO8	4	✓	✓	53	612	8.1	0.985	SKIP bottle 3						3					
Event Date (Local): 03 SEPT	5	✓	✓	54	3038	8.2	1.259							4					
Analysis Date (Local): 03 SEPT	6	✓	✓	55	3209	8.5	1.790							5					
Analyst: N2	7	✓	✓	56	3043	9.4	2.499							6					
Stdization Date (Local): 02 SEPT	8	✓	✓	57	3129	10.7	3.662							7					
KIO ₃ N: 0.0117854	9	✓	✓	58	570	11.7	4.637							8					
Standard Titer: 0.4715	10	✓	✓	59A	3175	13.7	6.279	→						9	51B 3098				
Blank Titer: 0.0004	11													10					
THIO N: 0.249965	12													11					
Sample Flask Water Seal? Yes	13													12					
Reagent Change? MnCl ₂	14													13					
(Please circle reagent that was changed prior to sampling and standardization)	15													14					
NOTE NEW BATCH IN LOG BOOK	16													15					
	17													16					
	18													17					
	19													18					
Notes: Sparrow	20													19					
sample: HM/RS	21													20					
	22													21					
	23													22					
	24													23					
														24					

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Cruise Number: 2018-034	1		61	3042	8.0	0.809		1					
Event: 26	2		62	569	8.2	1.470		2					
Station: LB09	3		63	3041	8.4	2.228		3					
Event Date (Local): 03SEPT	4		64	3170	8.3	1.124		4					
Analysis Date (Local): 03SEPT	5		65	2088	8.6	1.654		5					
Analyst: N2	6		66	3008	9.2	2.457		6					
Stdization Date (Local): 02SEPT	7		67A	2090	10.5	3.660	→	7	67B	3020	10.5	3.657	
KIO ₃ N: 0.0117854	8		68	673	12.9	6.368		8					
Standard Titer: 0.4715	9		69	1312	13.5	7.162		9					
Blank Titer: 0.0004	10							10					
THIO N: 0.249965	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					
	16							16					
NOTE NEW BATCH IN LOG BOOK	17							17					
	18							18					
Notes:	19							19					
SHARK	20							20					
	21							21					
	22							22					
	23							23					
	24							24					

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Cruise Number:	2018-34	1			71	2000	8.3	1.201	OT-lake endpoint but good curve, Do					1	O ₂ check				to see if 1st is better
Event:	29	2			72	3075	8.4	1.225						2					
Station:	L311	3			73	3200	8.5	1.840						3					
Event Date (Local):	3 Sep 18	4			74	3080	8.7	2.267						4					
Analysis Date (Local):	3 Sept 18	5			75	3085	9.0	2.602						5					
Analyst:	NZ	6			76	2086	9.3	3.300						6					
Stdization Date (Local):	02 Sep	7			77A	2063	9.3	4.325	=>					7	77B	462	9.3	4.323	✓
KIO ₃ N:	0.0117854	8			78	425	9.8	5.620						8					
Standard Titer:	0.4715	9			79	2040	10.6	5.965						9					
Blank Titer:	0.0004	10			80	3076	12.8	7.120						10					
THIO N:	0.249965	11			81	1459	13.5	7.481						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					

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Cruise Number: 2018-34	1			82	3056	7.3	1.046								1					
Event: 30	2			83	1059	7.7	1.332								2					
Station: LB12	3			84A	3150	7.9	1.561								3	84B	3021	7.9	1.558	
Event Date (Local): 3 Sep 18	4			85	3104									OT - late endpoint good curve, O2 ch	4	h				OT even worse, use first endpoint O2 ch
Analysis Date (Local): 3 Sep 18	5					8.1									5					
Analyst: N21	6			87	1053	8.3	2.206								6					
Stdization Date (Local): 02 Sept 18	7			88	639	8.5	2.348								7					
KIO ₃ N: 0.0117854	8			89	3134	8.8	2.685								8					
Standard Titer: 0.4715	9			90	620	9.1	2.911								9					
Blank Titer: 0.0004	10			91	3034	9.2	2.714								10					
THIO N: 0.249965	11			92	2084	9.4	3.538								11					
Sample Flask Water Seal? Yes	12			93	715	9.5	4.987							Floaties from stoppers in flask	12					
	13			94	1002	10.0	6.033								13					
Reagent Change? MnCl ₂	14			95	3035	10.8	6.292								14					
(Please circle reagent that was changed prior to sampling and standardization)	15			96A	2075	13.9	7.527							⇒ slight drip on spigot	15	96B	3061	13.9	7.536	
NOTE NEW BATCH IN LOG BOOK	16			97	647	14.3	7.759								16					
	17														17					
	18														18					
Notes:	19														19					
	20														20					
	21														21					
	22														22					
	23														23					
	24														24					

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Cruise Number:	2018-034						1			99	528	5.8	0.349		1						
Event:	32						2			100A	3114	6.3	0.228	=7	2	100B	3190	6.3	0.220		
Station:	L1314						3			101	3148	6.5	0.270		3						
Event Date (Local):	03 09 18						4			102	3093	7.1	0.766		4						
Analysis Date (Local):	04 SEPT						5			103	3138	7.4	1.214		5						
Analyst:	N2						6			104	2098	7.8	1.606		6						
Stdization Date (Local):	04 SEPT						7			105	745	8.2	1.875		7						
KIO ₃ N:	0.0117854						8			106	3146	8.5	2.175		8						
Standard Titer:	0.4717						9			107	3053	8.7	2.587		9						
Blank Titer:	0.0004						10			108	611	9.0	2.662		10						
THIO N:	0.74994						11			109A	510	9.2	2.800	=7	11	109B	708	9.3	2.795		
Sample Flask Water Seal?	Yes						12			110	612	9.2	3.229		12	109C					
Reagent Change?	MnCl ₂						13			111	3038	9.4	4.835		13						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						14			112	3209	9.7	5.627		14						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						15			113	3043	10.3	6.527		15						
	KIO ₃						16			114	3129	11.1	6.996		16						
	THIO						17			115	570	14.4	6.718	OT-late endpoint	17						
Notes:							18			116	3175	15.2	6.658		18						
							19								19						
							20								20						
							21								21						
							22								22						
							23								23						
							24								24						

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Cruise Number:	2018-034						1	✓	✓	119	196	5.6	0.767		1					
Event:	41						2	✓	✓	120A	396	5.9	0.443	→	2	120B	471	6.1	0.446	
Station:	LC11						3	✓	✓	121	505	6.3	0.237		3					
Event Date (Local):	04 SEPT						4	✓	✓	122	712	6.7	0.269		4					
Analysis Date (Local):	04 SEPT						5	✓	✓	123	1055	7.5	0.842	OT - late endpoint / or O2 check 1 st	5					
Analyst:	N2						6	✓	✓	124	1223	7.8	1.187		6					
Stdization Date (Local):	04 SEPT						7	✓	✓	125	1094	8.1	1.534		7					
KIO ₃ N:	0.017854						8	✓	✓	126	1406	8.2	1.593	OT - late endpoint	8					
Standard Titer:	0.4717						9	✓	✓	127	1407	8.5	2.020		9					
Blank Titer:	0.0004						10	✓	✓	128	1409	8.6	2.358		10					
THIO N:	0.24994						11	✓	✓	129	1416	8.9	1.505		11					
Sample Flask Water Seal?	Yes						12	✓	✓	130A	2055	9.3	2.817	→	12	130B	2056	9.3	2.814	
Reagent Change?	MnCl ₂						13	✓	✓	131	2060	9.5	3.292		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						14	✓	✓	132	2065	9.6	3.984		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						15	✓	✓	133	2068	9.7	5.028		15					
	KIO ₃						16	✓	✓	134	2089	10.1	6.367	- first attempt no tip in sample	16					
	THIO						17	✓	✓	135	3005	11.2	6.718		17					
Notes:							18	✓	✓	136	3046	14.8	6.650		18					
Nessie							19	✓	✓	137	3049	15.0	6.629		19					
HM/RS							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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Institute of Ocean Sciences
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:	2018-034	1		138	3042	7.0	0.496		1					
Event:	45	2		139	569	7.3	0.981		2					
Station:	LC 09	3		140	3041	7.7	1.243		3					
Event Date (Local):	04 SEPT	4		141	3170	8.0	1.499		4					
Analysis Date (Local):	04 SEPT	5		142A	2088	8.3	1.616	→	5	142B	3008	8.2	1.617	OT - late endpoint
Analyst:	N2	6		143	2090	8.4	1.947		6					
Stdization Date (Local):	04 SEPT	7		144	3020	8.6	1.941	OT - late endpoint	7					
KIO ₃ N:	0.0117854	8		145	673	8.7	2.290		8					
Standard Titer:	0.4717	9		146	1312	9.1	2.708		9					
Blank Titer:	0.0004	10		147	1465	9.3	3.051		10					
THIO N:	0.24994	11		148	2000	9.8	3.621		11					
Sample Flask Water Seal?	Yes	12		149	3075	9.6	5.534		12					
	No	13		150A	3200	10.2	6.529	→	13	150B	3080	10.2	6.523	0
Reagent Change?	MnCl ₂	14		151	3085	11.0	6.764	OT - late endpoint	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		152	2086	12.9	6.603		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		153	2063	14.2	6.658		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.

right whale 1967

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

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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:	2018-34	1			156	3056	8.3	1.556		1					
Event:	48	2			157	1059	8.3	1.618	OT - late endpoint	2					
Station:	LC08	3			158	3150	8.5	1.913		3					
Event Date (Local):	04 SEPT 2018	4			159	3021	8.8	2.717		4					
Analysis Date (Local):	04 SEPT	5			160	3104	9.1	3.019		5					
Analyst:	NZ	6			161	1053	9.3	3.236		6					
Stdization Date (Local):	04 SEPT	7			162 ^A	639	9.5	4.357	⇒ OT - late endpoint	7	162B	3134	9.5	4.358	
KIO ₃ N:	0.0117854	8			163	620	9.7	5.468		8					
Standard Titer:	0.4717	9			164	3034	10.5	6.168		9					
Blank Titer:	0.0004	10			165	2034	12.2	6.525		10					
THIO N:	0.24994	11			166	715	13.7	6.552		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

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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:	2018-34	1		167	3035	8.5	1.301	OT - late endpoint	1					
Event:	52	2		168	2075	8.5	1.350		2					
Station:	LC06	3		169A	3061	9.0	1.812	⇒	3	169B	647	9.0	1.825	X
Event Date (Local):	4 Sep 18	4		170	3108	9.6	3.074		4					
Analysis Date (Local):	04 Sep 18	5		171	1054	10.3	3.322		5					
Analyst:	N2	6		172	631	12.4	5.805		6					
Stdization Date (Local):	04 Sep 18	7		173	3125	13.5	6.246		7					
KIO ₃ N:	0.0117854	8							8					
Standard Titer:	0.4717	9							9					
Blank Titer:	0.0004	10							10					
THIO N:	0.24994	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					
		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 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:	2018-34	1		174	528	8.8	1.635		1					
Event:	56	2		175	3114	8.8	1.781		2					
Station:	LC04	3		176	3190	8.9	1.799		3					
Event Date (Local):	04 SEPT 2018	4		177	3148	8.9	2.045		4					
Analysis Date (Local):	05 SEPT 2018	5		178	3093	9.2	2.350		5					
Analyst:	NV	6		179	3138	9.7	2.867		6					
Stdization Date (Local):	04 SEPT	7		180A	2098	10.6	4.101	=7	7	180B	745	10.5	4.105	
KIO ₃ N:	0.0117854	8		181	3146	11.6	5.062		8					
Standard Titer:	0.4717	9		182	3053	12.9	5.832		9					
Blank Titer:	0.0004	10		183	611	13.3	5.874		10					
THIO N:	0.24994	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					
		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.

Swallow

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information							Nisk ID	Nisk Int V	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:	2018-034	1		186	708	9.0	1.102							1						
Event:	60	2		187	612	9.5	2.819							2						
Station:	LC02	3		188 ^A	3038	16.2	2.992	=>						3	188 ^B	3209	16.2	2.991	OT - late endpoint	
Event Date (Local):	4 SEPT 2018	4		189	3043	10.8	3.224							4						
Analysis Date (Local):	5 SEPT 2018	5		190	3129	11.2	3.491							5						
Analyst:	NZ	6		191	570	12.4	4.894							6						
Stdization Date (Local):	04 SEPT	7		192	3175	14.5	7.066							7						
KIO ₃ N:	0.0117894	8												8						
Standard Titer:	0.4717	9												9						
Blank Titer:	0.0004	10												10						
THIO N:	0.24994	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:	SWALLOW	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 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: 2018-034		1		194	3002	9.1	2.188		1					
Event: 61		2		195	3161	9.7	2.931		2					
Station: LCO1		3		196 ^A	3162	10.3	2.829	=>	3	196 ^B	3096	10.3	2.831	
Event Date (Local): 4 SEPT '18		4		197	3066	11.0	3.334	OT - curve started stepping	4					
Analysis Date (Local): 05 SEPT		5		198	3132	11.8	4.088		5					
Analyst: N2		6		199	3144	13.0	5.373		6					
Stdization Date (Local): 04 SEPT		7		200	3126	13.9	6.264		7					
KIO ₃ N: 0.0117854		8							8					
Standard Titer: 0.4717		9							9					
Blank Titer: 0.0004		10							10					
THIO N: 0.24994		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					
		16							16					
NOTE NEW BATCH IN LOG BOOK		17							17					
		18							18					
Notes: SW ALLOW		19							19					
		20							20					
MARIE - DRAW		21							21					
THERESA - PICKLE		22							22					
		23							23					
		24							24					

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