

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Shark

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:	2018-032	1	✓	✓	1	690	9.3	0.509	690	1				
Event:	001	2	✓	✓	2	569	9.4	1.504	569	2				
Station:	S1	3	✓	✓	3	3007	9.8	2.979	3007	3				
Event Date (Local):	21 Nov 2018	4	✓	✓	4	2086	9.9	3.105	2086	4				
Analysis Date (Local):	21 Nov 2018	5	X	✓	5	1054	9.9	3.129	1054 ; vent loose	5				
Analyst:	KS	6	✓	✓	6	3008	9.9	3.269	3008	6				
Stdization Date (Local):	21 Nov 2018	7	✓	✓	7	3200	10.0	3.764	2090	7				
KIO ₃ N:	0.0119800	8	✓	✓	8	3020	10.0	4.828	1053	8				
Standard Titer:	0.49345	9	✓	✓	9	425	9.5	8.274	1465	9				
Blank Titer:	0.00048	10								10				
THIO N:	0.24306	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.

1	2	3	4	5	6	7	8	9
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn SI	Stn SI	Stn SI	Stn SI	Stn SI	Stn SI	Stn SI	Stn SI	Stn SI
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Sea Turtle

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:	2018-032	1			10	435	8.9	3.053		1					
Event:	003 004	2			11	439	8.9	3.168		2					
Station:	59	3			12	456	9.0	3.251	⇒	3	12	458	9.0	3.256	
Event Date (Local):	21 Nov 2018	4			13	575	9.0	3.328		4					
Analysis Date (Local):	21 Nov 2018	5			14	3180	9.0	3.346	wrong flask ID in box file temp.	5					
Analyst:	KS	6			15	3173	9.1	3.540		6					
Stdization Date (Local):	21 Nov 2018	7			16	1422	9.2	3.848		7					
KIO ₃ N:	0.0119800	8			17	1442	9.3	3.934	⇒	8	17	2094	9.3	3.935	
Standard Titer:	0.49345	9			18	3000	9.3	3.973		9					
Blank Titer:	0.00048	10			19	3010	9.4	4.012		10					
THIO N:	0.24306	11			20	3036	9.6	4.019		11					
Sample Flask Water Seal?	Yes	12			21	3052	9.8	4.047		12					
	No	13			22	3055	10.1	4.085		13					
Reagent Change?	MnCl ₂	14			23	3074	11.1	4.110		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.

10	11	12A	12B	13	14	15	16	17A	17B	18	19	20	21	22	23
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59	Stn 59
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Bender

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:	2018-032	1			38	429	7.9	1.843		1					
Event:	11	2			39A	691	8.0	1.845	⇒ Forgot to hit GO. Sample stirred	2	39B	1015	8.0	1.840	
Station:	75	3			40	1019	8.1	1.841	for about 1.5 minutes	3					
Event Date (Local):	22 Nov 2018	4			41	1461	8.1	1.868		4					
Analysis Date (Local):	22 Nov 2018	5			42	1314	8.2	2.582		5					
Analyst:	KS	6			43	1470	8.5	3.658		6					
Stdization Date (Local):	21 Nov 2018	7			44	2035	8.9	3.345		7					
KIO ₃ N:	0.0119800	8			45	2069	9.1	4.065		8					
Standard Titer:	0.43	9			46	650	9.2	4.438		9					
Blank Titer:	0.00048	10			47	2087	9.3	5.236		10					
THIO N:	0.243	11			48	2099	9.5	5.593		11					
Sample Flask Water Seal?	Yes	12			49	3014	9.7	5.582		12					
	No	13			50D	3018	9.7	5.592	⇒ OT. 1 st curve ambiguous FP	13	50B	3019	9.7	5.603	B sampled First
Reagent Change?	MnCl ₂	14			S1	3037	9.7	5.604		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.

38	39A	39B	40	41	42	43	44	45	46	47	48	49	50A	50B	51
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75	Stn 75
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 13	Bot 14

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Sparrow

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: 2018-032		1			52	528	7.9	1.398		1					
Event: 015		2			53	3114	7.9	1.901		2					
Station: 72		3			54	3148	7.9	1.937		3					
Event Date (Local): 22 NOV		4			55A	3190	8.2	2.315	⇒	4	55B	3093	8.1	2.311	
Analysis Date (Local): 22 Nov 18		5			56	3138	8.4	2.584		5					
Analyst: KS		6			57	2098	8.8	3.475		6					
Stdization Date (Local): 21 Nov 18		7			58A	745	9.0	3.734	⇒	7	58B	3146	9.0	3.733	
KIO ₃ N: 0.0119800		8			59	3053	9.0	3.805		8					
Standard Titer: 0.49345		9			60	510	9.1	3.872		9					
Blank Titer: 0.00048		10			61	611	9.5	4.038		10					
THIO N: 0.24306		11			62	708	9.5	4.737		11					
Sample Flask Water Seal? ☒ Yes		12			63	612	9.7	4.845		12					
		13			65	3038	10.3	4.851		13					
Reagent Change? ☒ MnCl ₂		14							small bubble from dispenser	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.

52	53	54	55A	55B	56	57	58A	58B	59	60	61	62	63	65
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72	Stn 72
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 14

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Shark

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:	2018-032	1			24	690	8.1	1.866		1					
Event:	8	2			25	569	8.1	1.994		2					
Station:	102	3			26	2086	8.3	2.260		3					
Event Date (Local):	22 Nov 2018	4			27A	3008	8.4	2.606	=> 8.3 (1054)	4	27B	1054	8.3	2.606	
Analysis Date (Local):	22 Nov 2018	5			28	3008	8.6	2.832		5					
Analyst:	KS	6			29	2090	8.9	3.687		6					
Stdization Date (Local):	21 Nov 2018	7			30	1053	9.1	3.872		7					
KIO ₃ N:	0.0119800	8			31	1465	9.1	4.024		8					
Standard Titer:	0.49345	9		X	32	3075	10.4	4.098	spigot leaks	9					
Blank Titer:	0.00048	10		X	33	3108	9.7	4.531		10					
THIO N:	0.24306	11			34A	2040	9.7	4.906	=> 9.7 (3200)	11	34B	3206	9.7	4.907	
Sample Flask Water Seal?	Yes	12			35	3020	10.1	5.401		12					
	No	13			36	425	10.5	5.944		13					
Reagent Change?	MnCl ₂	14			37	2088	10.8	6.028		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.

24	25	26	27A	27B	28	29	30	31	32	33	34A	34B	35	36	37
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102	Stn 102
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 11	Bot 12	Bot 13	Bot 14

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Water Properties Group

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Shark

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: 2018-032	1		66	690	8.0	2.006		1					
Event: 18	2		67	569	8.1	2.055		2					
Station: 69	3		68	2086	8.1	2.179		3					
Event Date (Local): 22 NOV 2018	4		69	3007	8.4	2.498	-Stopped for fire drill	4					
Analysis Date (Local): 23 Nov 18	5		70	1054	8.5	2.784		5					
Analyst: KS	6		71A	3008	8.8	3.194	⇒	6	71B	2090	8.7	3.190	
Stdization Date (Local): 23 Nov 18	7		72	1053	8.9	3.295		7					
KIO ₃ N: 0.009800	8		73	1465	8.9	3.298	EP lab. Sample over-titrated	8					
Standard Titer: 0.49346	9		74	3075	9.0	3.313		9					
Blank Titer: 0.00037	10		75A	3108	9.3	3.617	⇒	10	75B	2040	9.3		
THIO N: 0.24292	11		76	3200	9.5	3.762		11					
Sample Flask Water Seal? Yes	12		77	3020	9.8	4.240		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					
	19							19					

Notes:

66	67	68	69	70	71A	71B	72	73	74	75A	75B	76	77
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69	Stn 69
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 10	Bot 11	Bot 12

66 Bot 1 integrity check and explain this in the comments column. 67 Bot 2 integrity check and explain this in the comments column. 68 Bot 3 integrity check and explain this in the comments column. 69 Bot 4 integrity check and explain this in the comments column. 70 Bot 5 integrity check and explain this in the comments column. 71A Bot 6 integrity check and explain this in the comments column. 71B Bot 6 integrity check and explain this in the comments column. 72 Bot 7 integrity check and explain this in the comments column. 73 Bot 8 integrity check and explain this in the comments column. 74 Bot 9 integrity check and explain this in the comments column. 75A Bot 10 integrity check and explain this in the comments column. 75B Bot 10 integrity check and explain this in the comments column. 76 Bot 11 integrity check and explain this in the comments column. 77 Bot 12 integrity check and explain this in the comments column.

Bender

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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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: 2018-032							1		78	429	8.3	2.629		1					
Event: 21							2		79	691	8.3	2.636		2					
Station: ADCP							3		80A	1015	8.3	2.707	→ (1019) 8.3	3	80B	1019	8.3	2.711	
Event Date (Local): 2018-11-23							4		81	1401	8.4	2.853		4					
Analysis Date (Local): 23 Nov 18							5		82	1314	8.5	2.917		5					
Analyst: KS							6		83	1417	8.5	2.978		6					
Stdization Date (Local): 23 Nov 18							7		84	2035	8.7	3.162		7					
KIO ₃ N: 0.0119800							8		85A	2069	8.8	3.297	→ (650) 8.8	8	85B	650	8.8	3.291	
Standard Titer: 0.49346							9		86	2087	9.0	3.784		9					
Blank Titer: 0.00037							10		87	2099	9.0	3.907		10					
THIO N: 0.24292							11							11					
Sample Flask Water Seal? Yes							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					
							19							19					

Notes:

78	79	80A	80B	81	82	83	84	85A	85B	86	87	
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	Stn ADCP	
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	
Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 8	Bot 9	Bot 10	

grity check and explain this in the comments column.

Benoler

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	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:	2018-032					1		89	3018	8.4	2.554		1						
Event:	25					2		90	3019	8.5	2.693		2						
Station:	STN 65					3		91A	3037	8.5	2.793	→	3	92A	3044	8.5	2.797		
Event Date (Local):	23 Nov 18					4		92	3048	8.9	3.414		4						
Analysis Date (Local):	23 Nov 18					5		93	3049	9.0	3.692	paper strip left inside flask.	5						
Analyst:	KS					6		94	3070	9.1	3.655	Many particles in sample.	6						
Stdization Date (Local):	23 Nov 18					7		95	3081	9.3	3.775	Sample was likely not sealed.	7						
KIO ₃ N:	0.0119800					8		96	3083	9.5	4.003	Paper in ground glass area.	8						
Standard Titer:	0.49346					9		97	3099	9.7	4.004		9						
Blank Titer:	0.00037					10		98	3111	10.1	4.057	Small bubble under stopper.	10						
THIO N:	0.24292					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						

89	90	91A	91B	92	93	94	95	96	97	98
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 65	Stn 65	Stn 65	Stn 65	Stn 65	Stn 65	Stn 65	Stn 65	Stn 65	Stn 65	Stn 65
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10

If the integrity check fails the integrity check and explain this in the comments column.

TURTLE

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

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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:	2018-032	1		99	435	8.4	2.596		1					
Event:	28	2		100	439	8.4	2.629		2					
Station:	63	3		101	456	8.5	2.751		3					
Event Date (Local):	23 Nov. 18	4		102	458	8.3	3.075		4					
Analysis Date (Local):	23 Nov. 18	5		103A	575	8.8	3.222	→	5	103B	3180	8.8	3.223	
Analyst:	KS	6		104	3138	8.9	3.508		6					
Stdization Date (Local):	23 Nov 18	7		105	1422	9.1	3.816		7					
KIO ₃ N:	0.0119800	8		106	3052	9.1	3.917		8					
Standard Titer:	0.49346	9		107	2094	9.2	3.983		9					
Blank Titer:	0.00037	10		108	3000	9.2	4.037		10					
THIO N:	0.00292	11		109	3010	9.3	4.127		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					

99	100	101	102	103A	103B	104	105	106	107	108	109
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63	Stn 63
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11

bottle integrity. First test the top vent (V) by opening the lower spigot, then test the spigot by op

mark X in the appropriate column if either fails the integrity check and explain this in the comments column.

Turtle

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

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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:	2018-032					1		111	3086	8.6	2.653		1						
Event:	29 29					2		112	3086	8.6	2.791		2						
Station:	62					3		113	3074	8.7	2.922	- Changed both water	3						
Event Date (Local):	2018-11-23					4		114A	3091	8.9	3.527	→	4	114B	3084	8.9	3.532		
Analysis Date (Local):	23 Nov 18					5		115	3086	9.1	3.726		5						
Analyst:	KS					6		116	3088	9.1	3.834		6						
Stdization Date (Local):	23 Nov 18					7		117	3089	9.1	3.881		7						
KIO ₃ N:	0.0119800					8		118	3090	9.2	3.896		8						
Standard Titer:	0.49346					9		119	3095	9.3	4.179		9						
Blank Titer:	0.00037					10		120	3098	9.4	4.329		10						
THIO N:	0.24292					11		121	3101	9.7	4.328		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						
						19							19						
						20							20						
						21							21						
						22							22						
						23							23						
						24							24						

111	112	113	114A	114B	115	116	117	118	119	120	121
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62	Stn 62
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11

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

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Bender

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:	2018-032	1		122	429	8.8	3.354						1					
Event:	35	2		123A	691	8.9	3.369 =>						2	123B	1015	8.9	3.367	
Station:	56	3		124	1019	8.9	3.428						3					
Event Date (Local):	23 Nov 18	4		125	1401	8.9	3.544						4					
Analysis Date (Local):	23 Nov 18	5		126	1314	9.1	3.720						5					
Analyst:	KS	6		127	1470	9.1	3.801						6					
Stdization Date (Local):	23 Nov 18	7		128	2035	9.2	3.779						7					
KIO ₃ N:	0.0119800	8		129	2069	9.2	3.753						8					
Standard Titer:	0.49346	9		130A	650	9.3	3.772 =>						9	130B	2087	9.3	3.769	
Blank Titer:	0.00037	10		131	2099	9.3	3.803						10					
THIO N:	0.24292	11		132	3014	9.4	3.840						11					
Sample Flask Water Seal?	Yes	12		133	3018	9.6	3.817						12					
	No	13		134	3019	9.7	3.763						13					
Reagent Change?	MnCl ₂	14		135	3037	10.1	3.750						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					

122	123A	123B	124	125	126	127	128	129	130A	130B	131	132	133	134	135
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56	Stn 56
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14

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

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Sea Turtle

std info:

standard 1.1er
0.49350

blank 1.1er
0.00051

thio N:
0.24298

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: 2018-032	1		136A	435	9.1	3.347 =>		1	136B	439	9.1	3.350	
Event: 042	2		137	456	9.3	3.122		2					
Station: 46	3		138	458	9.4	3.019		3					
Event Date (Local): 23 Nov 18	4		139	575	9.4	3.256		4					
Analysis Date (Local): 23 Nov 18	5		140	3180	9.4	3.361		5					
Analyst: KS	6		141A	3173	9.4	3.445 =>		6	141B	1422	9.4	3.439	
Stdization Date (Local): 24 Nov 18	7		142	3052	9.4	3.297		7					
KIO ₃ N: 0.0119800	8		143	2094	9.4	3.362		8					
Standard Titer: 0.49346	9		144	3000	9.5	3.433	FP is late. Please check.	9					
Blank Titer: 0.00037	10		145	3010	9.5	3.600		10					
THIO N: 0.24292	11		146	1442	9.5	4.598		11					
Sample Flask Water Seal? Yes	12		147	3036	9.6	5.094		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					

136A	136B	137	138	139	140	141A	141B	142	143	144	145	146	147
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46	Stn 46
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12

the comments column.

Bender

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
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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:	2018-032	1			148	429	9.1	2.690		1					
Event:	46	2			149	691	9.1	2.711		2					
Station:	42	3			150	1015	9.1	2.702		3					
Event Date (Local):	2018-11-24	4			151A	1019	9.1	2.763	→	4	151B	1401	9.1	2.765	
Analysis Date (Local):	24 Nov 18	5			152	1314	9.2	3.012		5					
Analyst:	KS	6			153	1470	9.2	3.220		6					
Stdization Date (Local):	24 Nov 18	7			154	2035	9.2	3.280		7					
KIO ₃ N:	0.0119800	8			155	2069	9.3	3.551		8					
Standard Titer:	0.49350	9			156	650	9.3	3.654	Noisy titration, sample OT!	9					
Blank Titer:	0.00051	10			157A	2087	9.5	3.592	→	10	157B	2099	9.5	3.590	
THIO N:	0.24298	11			158	3014	9.5	3.506		11					
Sample Flask Water Seal?	Yes	12			159	3018	9.5	3.101		12					
	No	13			160	3019	9.5	3.243		13					163
Reagent Change?	MnCl ₂	14			161	3037	9.7	4.131		14					OXY
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			162	3044	9.2	5.436		15					Stn 42
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			163	3048	9.1	5.614		16					2018-032
	KIO ₃	17								17					Bot 16
	THIO	18								18					↑

148	149	150	151A	151B	152	153	154	155	156	157A	157B	158	159	160	161	162
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14	Bot 15

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 in comments column.

Dissolved Oxygen Analysis Log Sheet

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Last Updated: July 2018

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: 2018-032		1		165	1690	9.2	2.648		1					
Event: 53		2		166	569	9.2	2.667		2					
Station: 39		3		167	2086	9.2	2.676		3					
Event Date (Local): 24 Nov 18		4		168	3007	9.3	2.754		4					
Analysis Date (Local): 24 Nov 18		5		169	1054	9.3	3.090		5					
Analyst: KS		6		170A	3008	9.3	3.063	→	6	170B	2090	9.3	3.066	
Stdization Date (Local): 24 Nov 18		7		170	1053	9.5	2.956		7					
KIO ₃ N: 0.0119800		8		172	1465	9.4	3.015		8					
Standard Titer: 0.49350		9		173	3075	9.5	2.845		9					
Blank Titer: 0.00051		10		174	3108	9.4	2.772		10					
THIO N: 0.24298		11		175	2040	9.5	3.363		11					
Sample Flask Water Seal? Yes		12		176A	3200	9.6	3.742	→	12	176B	3020	9.6	3.743	
	No	13		177	425	9.7	3.892		13					
Reagent Change? MnCl ₂		14		178	2088	9.9	4.744		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		179	2075	9.9	5.382		15					
	H ₂ SO ₄	16		180	438	10.0	5.565		16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		181	2000	9.8	5.972		17					
	THIO	18							18					

180	181
OXY	OXY
Stn 42	Stn 42
2018-032	2018-032
Bot 16	Bot 17

165	166	167	168	169	170A	170B	171	172	173	174	175	176A	176B	177	178	179
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42	Stn 42
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 12	Bot 13	Bot 14	Bot 15

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



Sparrow

Very windy during sampling.

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:	2018-032	1			185	528	9.1	2.680		1					
Event:	59	2			186	3114	9.1	2.676		2					
Station:	27	3			187	3148	9.2	2.650		3					
Event Date (Local):	24 Nov 18	4			188	3190	9.2	2.727		4					
Analysis Date (Local):	24 Nov 18	5			189A	3093	9.2	2.813	→	5	189B	3138	9.3	2.802	
Analyst:	KS	6			190	2098	9.3	2.927		6					
Stdization Date (Local):	24 Nov 18	7			191	745	9.4	2.873		7					
KIO ₃ N:	0.0119800	8			192	3146	9.4	2.719		8					
Standard Titer:	0.49350	9			193	3053	9.5	2.700		9					
Blank Titer:	0.00051	10			194A	510	9.4	2.708	→	10	194B	611	9.4	2.716	
THIO N:	0.24298	11			195	708	9.4	2.794		11					
Sample Flask Water Seal?	Yes	12			196	612	9.5	3.359		12					
	No	13			197	3038	9.7	4.023		13					
Reagent Change?	MnCl ₂	14			198	3201	9.7	4.498		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			199	3043	9.4	6.069		15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17			201	3189	9.5	6.115		17					
	THIO	18								18					

201

OXY

Stn 27

2018-032

Bot 17

185	186	187	188	189A	189B	190	191	192	193	194A	194B	195	196	197	198	199
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27	Stn 27
2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14	Bot 15

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



Swallow

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2018-032	1		205	528	9.3	2.584		1					
Event:	65	2		206	3114	9.3	2.622		2					
Station:	2	3		207	3148	9.3	2.676		3					
Event Date (Local):	24 Nov 18	4		208A	3190	9.3	2.711	⇒	4	208B	3093	9.4	2.709	
Analysis Date (Local):	24 Nov 18	5		209	3138	9.4	2.801		5					
Analyst:	KS	6		210A	2098	9.5	2.927	⇒	6					
Stdization Date (Local):	24 Nov 18	7		211	3146	9.5	2.736		7	210B	745	9.5	2.929	
KIO ₃ N:	0.01189800	8		212	3053	9.4	2.704		8					
Standard Titer:	0.49350	9		213	510	9.4	3.378		9					
Blank Titer:	0.00051	10		214	611	9.5	3.918		10					
THIO N:	0.24298	11		215	708	9.5	4.500		11					
Sample Flask Water Seal?	Yes	12		216	612	9.5	4.882		12					
	No	13		217	3038	9.4	5.375		13					
Reagent Change?	MnCl ₂	14		218	3209	9.4	5.416		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		219	3043	9.5	5.426		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16												
	KIO ₃	17	205	206	207	208A	208B	209	210A	210B	211	212	213	214
	THIO	18	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Notes:		19	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2	Stn 2
		20	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
		21	Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10
		22												
		23	215	216	217	218	219							
		24	OXY	OXY	OXY	OXY	OXY							
			Stn 2	Stn 2	Stn 2	Stn 2	Stn 2							

Bottle integrity: First test the top vent (V) by o 2018-032 2018-032 2018-032 2018-032 2018-032
Bot 11 Bot 12 Bot 13 Bot 14 Bot 15

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

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Shark

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: 2018-032							1		224	690	9.3	2.547		1							
Event: 69							2		225	569	9.3	2.549	Titration ran away a little. Late EP	2							
Station: 3							3		226	2086	9.3	2.623	OT was ok.	3							
Event Date (Local): 24 Nov 18							4		227	3007	9.3	2.670		4							
Analysis Date (Local): 24 Nov 18							5		228A	1054	9.2	2.534	⇒	5	2288	3008	9.3	2.535			
Analyst: KS							6		229	2090	9.4	2.806		6							
Stdization Date (Local): 24 Nov 18							7		230	1053	9.5	2.847		7							
KIO ₃ N: 0.0119800							8		231	1465	9.4	2.463		8							
Standard Titer: 0.49332							9		232	3075	9.4	2.813		9							
Blank Titer: 0.00040							10		233	3108	9.4	3.573	-Forgot to hit GO Sample stirred a	10							
THIO N: 0.242989							11		234A	2040	9.5	4.401	⇒ few minutes.	11	234B	3200	9.5	4.403			
Sample Flask Water Seal? ☒ Yes							12		235	3020	9.5	5.070		12							
Reagent Change? ☐ No							13		236	425	9.5	5.108		13							
Reagent Change? ☐ MnCl ₂							14		237	2088	9.5	5.105	} either #14/15 water is in / looks like 15	14							
(Please circle reagent that was changed prior to sampling and standardization)							15		238	2075	9.3	5.563		15							
NOTE NEW BATCH IN LOG BOOK							16		239	438	9.3	5.570		#16... #16 not fired.	16						
									224	225	226	227	228A	228B	229	230	231	232	233	234A	234B
									OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
									Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3	Stn 3
									2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
									Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 11
									235	236	237	238	239								
									OXY	OXY	OXY	OXY	OXY								
									Stn 3	Stn 3	Stn 3	Stn 3	Stn 3								
									2018-032	2018-032	2018-032	2018-032	2018-032								
									Bot 12	Bot 13	Bot 14	Bot 15	Bot 16								

Bottle integrity: First test the top vent (V) Stn 3 Stn 3 Stn 3 Stn 3 Stn 3 Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

2018-032 2018-032 2018-032 2018-032 2018-032
Bot 12 Bot 13 Bot 14 Bot 15 Bot 16

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Shark/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:	2018-032	1		240	429	9.1	2.659		1					
Event:	72	2		241A	691	9.2	2.672	→	2	241B	1015	9.2	2.685	~
Station:	6	3		242	1019	9.2	2.729		3					
Event Date (Local):	2018-11-25	4		243	1401	9.2	2.499	(Flask #1401 broken due to wind)	4					
Analysis Date (Local):	25 Nov 18	5		244	1314	9.1	2.632		5					
Analyst:	KS	6		245	1470	9.1	2.852		6					
Stdization Date (Local):	25 Nov 18	7		246	2035			changed to #14 due to misfire	7					
KIO ₃ N:	0.0119800	8		247A	2069	9.3	3.635	→	8	247B	650	9.3	3.636	
Standard Titer:	0.49332	9		248	2087	9.3	4.219		9					
Blank Titer:	0.00640	10		249	2099	9.3	5.297		10					
THIO N:	0.24299	11		250	3014	9.4	5.575		11					
Sample Flask Water Seal?	Yes	12		251	3018	9.5	5.587		12					
Reagent Change?	MnCl ₂	13		252	309	9.5		redraw; MnCl ₂ still on "recirculate"	13	252	2049	9.3	5.587	
(Please circle reagent that was changed prior to sampling and standardization)	Nal/NaOH	14		246	2035	9.3	3.268	Analyzed with incorrect flask # and	14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15												
	KIO ₃	16	240	241A	241B	242	243	244	245	246	247A	247B	248	249
	THIO	17	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
		18	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6	Stn 6
Notes:		19	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
		20	Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot X14	Bot 8	Bot 8	Bot 9	Bot 10
		21	251	250	252									
		22	OXY	OXY	OXY									
		23	Stn 6	Stn 6	Stn 6									
		24	2018-032	2018-032	2018-032									

Bottle integrity: First test the top vent (V) by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Analyzed out of order

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Cruise and Analysis Information

Cruise Number: 2018-032

Event: 75

Station: 9

Event Date (Local): 2018-11-25

Analysis Date (Local): 25 Nov 18

Analyst: KS

Stdization Date (Local): 25 Nov 18

KIO₃ N: 0.0119800

Standard Titer: 0.49332

Blank Titer: 0.00040

THIO N: 0.24299

Sample Flask Water Seal?

Yes

 No

Reagent Change?

MnCl₂

NaI/NaOH

H₂SO₄

KIO₃

THIO

(Please circle reagent that was changed prior to sampling and standardization)

NOTE NEW BATCH IN LOG BOOK

Notes:

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

1

253

3155

9.1

2.411

2

254

3135

9.2

2.389

FP 1.0. Sample over-filtrated

3

255

3110

9.3

2.439

4

256

3076

9.3

2.515

5

257

3029

9.3

2.995

6

258A

3078

9.3

3.267

→

7

259

620

9.3

3.971

8

260

622

9.3

5.082

9

261

3041

9.4

5.110

10

262

1459

9.5

5.188

11

263

3041

9.5

5.198

bottom cap leaking while sampling

12

264

3048

did not fire.

13

14

15

253

254

255

256

257

258A

258B

259

260

261

262

264

16

OXY

OXY

OXY

OXY

OXY

OXY

OXY

OXY

OXY

OXY

OXY

OXY

17

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

Stn 9

18

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

2018-032

19

Bot 1

Bot 2

Bot 3

Bot 4

Bot 5

Bot 6

Bot 6

Bot 7

Bot 8

Bot 9

Bot 10

Bot 12

20

21

263

22

OXY

23

Stn 9

24

2018-032

Bot 11

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: July 2018

Sparrow

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:	2018-032	1		265	570	9.2	2.646		1					
Event:	79	2		266	3114	9.3	2.651		2					
Station:	12	3		267	3148	9.3	2.668		3					
Event Date (Local):	2018-11-25	4		268	3190	9.3	2.668		4					
Analysis Date (Local):	25 Nov 18	5		269	3093	9.4	2.681		5					
Analyst:	KS	6		270	3138	9.3	2.574		6					
Stdization Date (Local):	25 Nov 18	7		271A	2098	9.4	2.522	→	7	271B	745	9.4	2.523	EP late due run away titration. OT was ok.
KIO ₃ N:	0.0119800	8		272	3146	9.3	2.497		8					
Standard Titer:	0.49332	9		273	3053	9.3	2.831		9					
Blank Titer:	0.00040	10		274	510	9.4	3.499		10					
THIO N:	0.24299	11		275A	611	9.3	5.278	→	11	275B	708	9.3	5.268	
Sample Flask Water Seal?	Yes	12		276	612	9.4	5.613		12					
	No	13		277	3038	9.4	5.659		13					
Reagent Change?	MnCl ₂	14		278	3209	9.5	5.660		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		279	3043	9.7	5.664		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		280	3189	9.9	5.654		16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19		265	266	267	268	269	270	271A	271B	272	273	274
		20		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
		21		Stn 12	Stn 12	Stn 12	Stn 12	Stn 12	Stn 12	Stn 12	Stn 12	Stn 12	Stn 12	Stn 12
		22		2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
		23		Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9	Bot 10
		24												
		25		276	277	278	279	280						
		26		OXY	OXY	OXY	OXY	OXY						
		27		Stn 12	Stn 12	Stn 12	Stn 12	Stn 12						
		28		2018-032	2018-032	2018-032	2018-032	2018-032						
		29		Bot 12	Bot 13	Bot 14	Bot 15	Bot 16						

Bottle integrity: First test the top vent (V) by c

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: July 2018

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:	2018-032	1		282	435	9.1	2.602		1					
Event:	81	2		283	439	9.1	2.639		2					
Station:	14	3		284	458	9.1	2.669		3					
Event Date (Local):	2018-11-25	4		285A	459	9.1	2.594	→	4	285B	575	9.1	2.602	
Analysis Date (Local):	25 Nov 18	5		286	3180	9.1	2.566		5					
Analyst:	KS	6		287	3173	9.2	2.512		6					
Stdization Date (Local):	25 Nov 18	7		288	1422	9.2	2.322		7					
KIO ₃ N:	0.0119800	8		289	3052	9.1	3.025		8					
Standard Titer:	0.49332	9		290	2094	9.1	3.515	3.458	9					
Blank Titer:	0.00040	10		291	3000	9.1	3.960	EP very late. Sample over-titrated	10					
THIO N:	0.24299	11		292A	3010	9.2	4.020	→	11	292B	1442	9.1	4.019	
Sample Flask Water Seal?	Yes	12		293	3036	9.1	4.254		12					
	No	13		294	3106	9.1	4.356		13					
Reagent Change?	MnCl ₂	14		295	3074	9.1	4.934		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		296	3071	9.0	5.153		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		297	3098	9.0	5.197		16					
	KIO ₃	17												
	THIO	18		282	283	284	285A	285B	286	287	288	289	290	291
		19		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
		20		Stn 14	Stn 14	Stn 14	Stn 14	Stn 14	Stn 14	Stn 14	Stn 14	Stn 14	Stn 14	Stn 14
		21		2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
		22		Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10
		23												
		24		293	294	295	296	297						
				OXY	OXY	OXY	OXY	OXY						
				Stn 14	Stn 14	Stn 14	Stn 14	Stn 14						
				2018-032	2018-032	2018-032	2018-032	2018-032						
				Bot 12	Bot 13	Bot 14	Bot 15	bot 16						

Bottle integrity: First test the top vent (V) by o

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

whale



Last Updated: July 2018

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: 2018-032	1		298	3147	9.1	2.593		1							
Event: 83	2		299	3072	9.1	2.585		2							
Station: 16	3		300A	3145	9.1	2.581 =>		3	300B	3127	9.2	2.576			
Event Date (Local): 25 Nov 18	4		301	1429	9.1	2.945		4							
Analysis Date (Local): 25 Nov 18	5		302	2007	9.1	4.069		5							
Analyst: KS	6		303	2015	9.1	4.239		6							
Stdization Date (Local): 25 Nov 18	7		304A	2016	9.1	4.325 =>		7	304B	3158	9.1	4.325			
KIO ₃ N: 0.0119800	8		305	2019	9.2	4.367		8							
Standard Titer: 0.49332	9		306	3109	9.3	4.654		9							
Blank Titer: 0.00040	10		307	2027	9.4	4.809		10							
THIO N: 0.24299	11		308	2032	9.6	4.851		11							
Sample Flask Water Seal? Yes	12							12							
Reagent Change? No	13		298	299	300A	300B	301	302	304A	303	304B	305	306	307	308
(Please circle reagent that was changed prior to sampling and standardization)	14		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
NOTE NEW BATCH IN LOG BOOK	15		Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16	Stn 16
	16		2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032	2018-032
	17		Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 7	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11
	18														
Notes:	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.