

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:	2018-25-	1		15	3020	9.1	1.147		1					
Event:	9	2		16	673	9.1	1.156		2					
Station:	EFFUS	3		17	1465	9.1	1.132		3					
Event Date (Local):	Aug 17/18	4		18	1312	9.1	0.915		4					
Analysis Date (Local):	17 Aug 18	5		19	2050	9.2	1.277		5					
Analyst:	Tamara	6		20	3075	9.9	2.425	WPM	6	21	3080			
Stdization Date (Local):	17 Aug 18	7		21	3200	10.2	2.885	→	7	21	3080	10.3	2.878	was before A
KIO ₃ N:	0.011833	8		22	3085	10.8	3.526		8					
Standard Titer:	0.4912208	9		23	2086	16.6	6.342		9					
Blank Titer:	0.0004771	10							10					
THIO N:	0.241058	11							11					
Sample Flask Water Seal?	☒ Yes No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	15							15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:		18							18					
		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.

15	16	17	18	19	20	21 A	21 B	22	23
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Shark

01001

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:	2018-25	1			10	3042	9.4	1.199							1					
Event:	9 10	2			11A	569	10.0	2.420	⇒						2	11B	3041	10.1	2.425	
Station:	EFF04	3	X		12	3170	10.4	2.983	Leaking profusely from spigot due to vent						3					
Event Date (Local):	17 Aug 18	4			13	2088	11.1	3.680							4					
Analysis Date (Local):	17 Aug 18	5			14	3008	18.1	6.438							5					
Analyst:	TF	6													6					
Stdization Date (Local):	17 Aug 18	7													7					
KIO ₃ N:	0.011833	8													8					
Standard Titer:	0.4912208	9													9					
Blank Titer:	0.0004771	10													10					
THIO N:	0.241058	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					
	(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.

10	11 A	11 B	12	13	14
OXY	OXY	OXY	OXY	OXY	OXY
EFF04	EFF04	EFF04	EFF04	EFF04	EFF04
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5

BCTOPUS

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: 2018-25		1		32	3056	9.6	0.369		1					
Event: 11		2		33	1059	9.6	0.292		2					
Station: EFF02.		3		34	3152	9.9	2.116	→	3	34	3021	10.0	2.107	
Event Date (Local): 17 Aug 18		4		35	3104	10.2	2.809		4					
Analysis Date (Local): 18 Aug 18		5		36	1053	10.5	3.717		5					
Analyst: Tamara		6		37	639	19.2	6.518		6					
Stdization Date (Local): 17 Aug 18		7							7					
KIO ₃ N: 0.011833		8							8					
Standard Titer: 0.4912208		9							9					
Blank Titer: 0.0004771		10							10					
THIO N: 0.241058		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					
	NaI/NaOH	16							16					
	H ₂ SO ₄ none	17							17					
NOTE NEW BATCH IN LOG BOOK		18							18					
	KIO ₃	19							19					
	THIO	20							20					
Notes:		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.

32
OXY
EFF02
2018-25
Bot 1

33
OXY
EFF02
2018-25
Bot 2

34 A
OXY
EFF02
2018-25
Bot 3

34 B
OXY
EFF02
2018-25
Bot 3

35
OXY
EFF02
2018-25
Bot 4

36
OXY
EFF02
2018-25
Bot 5

37
OXY
EFF02
2018-25
Bot 6

OCTOPUS

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: January 2017



Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2018-25						1			38	2673	10.3	1.853		1						
Event:	12						2			39	620	10.1	1.640	→	2	39	3034	10.0	1.639	☺	
Station:	EFF01						3			40	2084	10.3	2.834		3						
Event Date (Local):	Aug 17/18						4			41	715	18.8	6.361		4						
Analysis Date (Local):	18 Aug 18						5			✓					5						
Analyst:	TANAK						6								6						
Stdization Date (Local):	17 Aug 18						7								7						
KIO ₃ N:	0.011833						8								8						
Standard Titer:	0.4912208						9								9						
Blank Titer:	0.0004771						10								10						
THIO N:	0.241058						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 none						16								16						
NOTE NEW BATCH IN LOG BOOK	KIO ₃						17								17						
	THIO						18								18						
Notes:							19								19						
							20								20						
							21								21						
							22								22						
							23								23						
							24								24						

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

38
OXY
EFF01`
2018-25
Bot 1

39 **A**
OXY
EFF01`
2018-25
Bot 2

39 **B**
OXY
EFF01`
2018-25
Bot 2

40
OXY
EFF01`
2018-25
Bot 3

41
OXY
EFF01`
2018-25
Bot 4

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:	2018-25	1		24	462	9.4	ϕ	Sulphur smell present same ←	1	error - contin higher i.e. O ₂ = ϕ				
Event:	13	2		25	425	9.4	ϕ		2					
Station:	EFF03	3		26	2040	9.5	0.053		3					
Event Date (Local):	Aug 17/18	4		27	3076	9.5	0.632	→	4	27	1459	9.5	0.625	
Analysis Date (Local):	17 Aug 18	5		28	3029	9.8	1.824		5					
Analyst:	Tamara	6		29	2095	10.2	2.853		6					
Stdization Date (Local):	17 Aug 18	7		30	3078	10.5	3.441		7					
KIO ₃ N:	0.011833	8		31	3068	18.2	6.516		8					
Standard Titer:	0.4912208	9							9					
Blank Titer:	0.0004771	10							10					
THIO N:	0.241058	11							11					
Sample Flask Water Seal?	(Yes) No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	15							15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:		18							18					
		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	27 A	27 B	28	29	30	31
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF03	EFF03	EFF03	EFF03	EFF03	EFF03	EFF03	EFF03	EFF03
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8

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: 2018-025		1		42	3035	9.2	1.133	except for 2 drops water seal had evaporated	1					
Event: 16		2		43	2075	9.2	1.065		2					
Station: EFF06		3		44	3061	9.3	0.890		3					
Event Date (Local): 17 Aug 18		4		45	647	9.2	1.169	several black specks in sample	4					
Analysis Date (Local): 18 Aug 18		5		46	3108	10.1	2.561		5					
Analyst: Tamar		6		47A	1054	10.4	2.848	→	6	47B	631	10.4	2.845	
Stdization Date (Local): 17 Aug 18		7		48	3125	11.0	3.519		7					
KIO ₃ N: 0.011833		8		49	657	17.1	6.440		8					
Standard Titer: 0.0004771		9							9					
Blank Titer: 0.241058		10							10					
THIO N:		11							11					
Sample Flask Water Seal? Yes		12							12					
(No)		13							13					
Reagent Change? MnCl ₂		14							14					
(Please circle reagent that was changed prior to sampling and standardization)		15							15					
NaI/NaOH		16							16					
H ₂ SO ₄ none		17							17					
NOTE NEW BATCH IN LOG BOOK		18							18					
KIO ₃		19							19					
THIO		20							20					
Notes:		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.

42	43	44	45	46	47 A	47 B	48	49
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF06	EFF06	EFF06	EFF06	EFF06	EFF06	EFF06	EFF06	EFF06
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8

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 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:	2018-25	1		50A	528	9.3	1.086	=>		1	50B	3114	9.2	1.083	☺				
Event:	17	2		51	3190	9.2	1.075			2									
Station:	EFF 07	3		52	3148	9.3	0.906			3									
Event Date (Local):	17 Aug 18	4		53	3093	9.4	1.259			4									
Analysis Date (Local):	18 Aug 18	5		54	3138	10.1	2.596			5									
Analyst:	Tamara	6		55	2098	10.4	2.963			6									
Stdization Date (Local):	18 Aug 18	7		56	745	10.9	3.444			7									
KIO ₃ N:	0.011833	8		57	3146	15.4	6.209			8									
Standard Titer:	0.491066	9								9									
Blank Titer:	0.000358	10								10									
THIO N:	0.241041	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 none	16								16									
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17									
	THIO	18								18									
Notes:		19								19									
		20								20									
		21								21									
		22								22									
		23								23									
		24								24									

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

50 <i>A</i>	50 <i>B</i>	51	52	53	54	55	56	57
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8

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 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:	2018-25	1			58	611	9.3	1.063	=>					1	568 540				
Event:	18	2			59	516	9.3	1.064						2	573	708	9.3	1.068	
Station:	EFF08	3			60	612	9.5	1.360						3					
Event Date (Local):	17 AUG/18	4			61	3038	10.1	2.591						4					
Analysis Date (Local):	18 Aug 18	5			62	3209			NO SAMPLE - NO water					5					
Analyst:	Tamara	6			63	3043	10.9	3.330	in bottle					6					
Stdization Date (Local):	18 Aug 18	7			64	3129	18.1	7.485	#5					7					
KIO ₃ N:	0.011833	8												8					
Standard Titer:	0.491066	9												9					
Blank Titer:	0.000358	10												10					
THIO N:	0.241041	11												11					
Sample Flask Water Seal?	(Yes) No	12												12					
Reagent Change?	MnCl ₂	13												13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH H ₂ SO ₄	14												14					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	15												15					
	THIO	16												16					
Notes:		17												17					
		18												18					
		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.

58	59 ^A	59 ^B	60	61	63	64
OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF08	EFF08	EFF08	EFF08	EFF08	EFF08	EFF08
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 6	Bot 7

62
OXY
EFF08
2018-25
Bot 5

← no sample

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Swallow



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:	2018-25	1		65	3175	9.8	1.997		1					
Event:	19	2		66	3023	10.2	2.706		2					
Station:	EFF09	3		67	3002	10.6	3.126		3					
Event Date (Local):	17 Aug 18	4		68	3161	10.9	3.368		4	6813	3162	10.9	3.381	
Analysis Date (Local):	18 Aug 18	5		69	3096			No sample - bottle tipped but no water	5					
Analyst:	Tamara	6							6					
Stdization Date (Local):	18 Aug 18	7							7					
KIO ₃ N:	0.011833	8							8					
Standard Titer:	0.491066	9							9					
Blank Titer:	0.000358	10							10					
THIO N:	0.241041	11							11					
Sample Flask Water Seal?	(Yes) No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
	H ₂ SO ₄	15							15					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	16							16					
	THIO	17							17					
Notes:		18							18					
		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.

65	66	67	68 A	68 B
OXY	OXY	OXY	OXY	OXY
EFF09	EFF09	EFF09	EFF09	EFF09
2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 4	Bot 4

69
OXY
EFF09
2018-25
Bot 5

← NO sample

02001

RUN NEW

underwater - 0.5m

SDS for EFF10

Last Updated: January 2017



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 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:	2018-25	1		70	196	8.9	1.387		1					
Event:	20	2		71	396	8.9	1.406		2					
Station:	EFF10	3		72	471	9.4	1.535		3	72B	505	9.4	1.526	
Event Date (Local):	17 Aug 18	4		73	712	10.1	2.686		4					
Analysis Date (Local):	18 Aug 18	5		74	1055	10.5	3.160		5					
Analyst:	Tamara	6		75	1223	11.3	3.743		6					
Stdization Date (Local):	18 Aug 18	7		76	1094	14.5		2ml acid	7					
KIO ₃ N:	0.011833	8							8					
Standard Titer:	0.491066	9							9					
Blank Titer:	0.000358	10							10					
THIO N:	0.241041	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.

70	71	72 A	72 B	73	74	75	76
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF10	EFF10	EFF10	EFF10	EFF10	EFF10	EFF10	EFF10
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7

02/01

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



dinosaur

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:	2018-25	1		77	1407	9.0	1.490		1					
Event:	21	2		78	1409	9.4	1.549		2					
Station:	EF11	3		79	1416	9.9	2.558		3					
Event Date (Local):	17 Aug 18	4		80	2055	10.4	3.136	⇒	4	80B	2056	10.4	3.135	☺
Analysis Date (Local):	18 Aug 18	5		81	2060	10.9	3.564		5					
Analyst:	Tamara	6		82	2065	16.1	6.995	+2ml acid, had to retrieve 2nd stir bar before analysis	6					
Stdization Date (Local):	18 Aug 18	7							7					
KIO ₃ N:	0.011833	8							8					
Standard Titer:	0.491066	9							9					
Blank Titer:	0.000358	10							10					
THIO N:	0.241041	11							11					
Sample Flask Water Seal?	(Yes) No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
	H ₂ SO ₄	15							15					
NOTE NEW BATCH IN LOG BOOK	KIO ₃ none	16							16					
	THIO	17							17					
Notes:		18							18					
		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.

77
oxy
EFF II
2018-25
bot 1

78
oxy
EFF II
2018-25
bot 2

79
oxy
EFF II
2018-28
bot 3

80A
oxy
EFF II
2018-25
bot 4

80B
oxy
EFF II
2018-28
bot 4

81
oxy
EFF II
2018-25
bot 5

82
oxy
EFF II
2018-25
bot 6

02201

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



dinosaur

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:	2018-25	1		83	2089	9.0	1.591		1					
Event:	22	2		84	3005	8.9	1.548		2					
Station:	EFF12	3		85	3046	9.5	1.942		3					
Event Date (Local):	17 Aug 18	4		86	3049	10.0	2.964		4	802	3050			
Analysis Date (Local):	18 Aug 18	5		87	3057	10.4	3.407		5					
Analyst:	Tamara	6		88	3059	11.5	4.402		6	88B	3050	11.5	4.410	
Stdization Date (Local):	18 Aug 18	7		89	3067	16.7	8.073	flask id. = no flask volume so used 135 3099	7					
KIO ₃ N:	0.011833	8						will need recalculation	8					
Standard Titer:	0.491066	9							9					
Blank Titer:	0.000358	10							10					
THIO N:	0.241041	11							11					
Sample Flask Water Seal?	(yes) No	12							12					
Reagent Change?	MnCl ₂	13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14							14					
	H ₂ SO ₄ none	15							15					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	16							16					
	THIO	17							17					
Notes:		18							18					
		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.

83	84	85	86	87	88A	88B	89
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
EFF12	EFF12	EFF12	EFF12	EFF12	EFF12	EFF12	EFF12
BOT 1	BOT 2	BOT 3	BOT 4	BOT 5	BOT 6	BOT 6	BOT 7

Equatorial sperm whale

00

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

02301

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:	2018-25	1		90	94	8.9	1.597		1					
Event:	EFF 131	2		91	371	8.9	1.692		2					
Station:	event 23	3		92	621	9.6	2.438		3	92B	1408	9.7	2.449	
Event Date (Local):	17 Aug 18	4		93	1429	10.2	3.056		4					
Analysis Date (Local):	18 Aug 18	5		94	2007	10.8	3.866		5					
Analyst:	Tamar	6		95	2015	11.4	4.632		6					
Stdization Date (Local):	18 Aug 18	7		96	2016	15.1	7.207		7					
KIO ₃ N:	0.011833	8							8					
Standard Titer:	0.491066	9							9					
Blank Titer:	0.000358	10							10					
THIO N:	0.241041	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 <i>none</i>	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.

90	91	92 A	92 B	93	94	95	96
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
EFF13	EFF13	EFF13	EFF13	EFF13	EFF13	EFF13	EFF13
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7

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	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:	2018-25	1			119	3042	3.8	1.484		1					
Event:	47	2			no sample			needed		2					
Station:	CI08	3			121	569	4.3	0.646		3					
Event Date (Local):	20 Aug 18	4			122	3041	5.1	0.297		4					
Analysis Date (Local):	20 Aug 18	5			123A	3170	5.6	0.227	⇒	5	123B	2088	5.9	0.221	
Analyst:	Tanner	6			124	3008	6.1	0.284		6					
Stdization Date (Local):	18 Aug 18	7			125	2090	6.6	0.652		7					
KIO ₃ N:	0.011833	8			126	3020	6.8	0.866		8					
Standard Titer:	0.491066	9			127	673	7.2	1.418		9					
Blank Titer:	0.000358	10			128	1465	7.6	1.671		10					
THIO N:	0.241041	11			129	1312	8.0	1.989		11					
Sample Flask Water Seal?	(Yes) No	12			130A	2000	8.4	3.544	⇒	12	130B	3075	8.5	3.546	☺
Reagent Change?	MnCl ₂	13			131	3200	8.7	3.607		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			132	3080	9.1	3.917		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	15			133	3085	10.0	4.481		15					
	KIO ₃	16			no sample			needed		16					
	THIO	17			135	2086	13.2	5.598		17					
Notes:		18			136	2063	15.1	5.880		18					
		19			137	462	16.9	5.675		19					
		20			no sample			needed		20					
		21			139	425	16.9		←	21					bottle sampled before O ₂
		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.

119	121	122	123 ^A	123 ^B	124	125	126	127	128
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 1	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10

129	130 ^A	130 ^B	131	132	133	135	136	137	139
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 11	Bot 12	Bot 12	Bot 13	Bot 14	Bot 15	Bot 17	Bot 18	Bot 19	Bot 21

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



whale

Cruise and Analysis Information	Nisk ID	Nisk Int V	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: 2018-25	1								1					
Event: 49	2			104	94	7.1	1.395		2					
Station: Scotts 2	3			105	371	7.5	1.656		3					
Event Date (Local): Aug 20/18	4			106	621	7.7	1.888		4					
Analysis Date (Local): 21 Aug 18	5			107	1408	8.1	2.442		5					
Analyst: Tamara	6			108A	1421	8.3	2.564	→	6	108B	2007	8.3	2.560	
Stdization Date (Local): 21 Aug 18	7			109	2005	8.6	3.016		7					
KIO ₃ N: 0.011833	8			110	2016	9.3	3.646		8					
Standard Titer: 0.4909776	9								9					
Blank Titer: 0.0003598	10								10					
THIO N: 0.241085	11			113	2019	11.1	4.496		11					
Sample Flask (Yes)	12			114A	2025	12.3	5.217	→	12	114B	2027	12.3	5.215	☺
Water Seal? No	13			115	2032	13.5	5.743		13					
Reagent Change? MnCl ₂	14			116	2043	13.5	5.764		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					
	19								19					
Notes:	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.

104	105	106	107	108 ^A	108 ^B	109	110	113	114 ^A	114 ^B
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2	Scotts2
2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25	2018-25
Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 11	Bot 12	Bot 12

115	116
OXY	OXY
Scotts2	Scotts2
2018-25	2018-25
Bot 13	Bot 14