

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

00201

Last Updated: January 2017



Turtle

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:	2018-39	1			1	1023	8.6	3.650	bubble during titrim, cleared before endpoint	1					stirred for ~5 minutes before titrim start
Event:	2	2			2	3044	8.8	3.943		2					
Station:	Haro 59	3			3	3019	9.0	4.473		3					
Event Date (Local):	8 May 2018	4			4	429	9.1	4.619		4					
Analysis Date (Local):	9 May 2018	5			5	3120	9.3	5.145		5					
Analyst:	Tanaka	6			6A	3000	9.3	5.218	=>	6	6B	3037	9.3	5.218	ran B before A ☺☺
Stdization Date (Local):	8 May 2018	7			7	1457	9.5	5.401		7					
KIO ₃ N:	0.0118741	8			8	3014	9.6	5.452		8					
Standard Titer:	0.4920237	9			9	1461	9.7	5.538		9					
Blank Titer:	0.000272	10			10A	1418	9.7	5.564	=> copepods in sample	10	10B	650	9.7	5.559	
THIO N:	0.249854	11			11	3090	9.9	5.560		11					end cap on 11 not seated
Sample Flask Water Seal?	☒ Yes ☐ No	12								12					
Reagent Change?	☒ MnCl ₂ ☐ NaI/NaOH ☐ H ₂ SO ₄ ☐ KIO ₃ ☐ THIO	13								13					
(Please circle reagent that was changed prior to sampling and standardization)		14								14					
NOTE NEW BATCH IN LOG BOOK		15								15					
		16								16					
		17								17					
		18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

1	2	3	4	5	6B	6A	7	8	9	10A	10B	11
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59	Haro59
Bot-5	200 m	100 m	75 m	50 m	40 m	40 m	30 m	20 m	10 m	5 m	5 m	0 m
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
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

00501

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Turtle - is beside rosette already

Cruise and Analysis Information							Nisk ID	Nisk Int V	Sample 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:	2018-39						1	✓	✓	12	3143	7.7	2.154		1						
Event:	5						2	✓	✓	13	2035	8.1	2.448		2						
Station:	JF2						3	✓	✓	14	1019	8.6	3.690		3						
Event Date (Local):	9 May 2018						4	✓	✓	15 ^A	1470	8.8	4.411	⇒	4	15B	2099	8.9	4.414		
Analysis Date (Local):	9 May 2018						5	✓	✓	16	3084	9.2	4.986		5						
Analyst:	Tamar						6	✓	✓	17	3048	9.5	5.821		6						
Stdization Date (Local):	8 May 2018						7	✓	✓	18	2069	9.6	5.843		7						
KIO ₃ N:	0.0118741						8	✓	✓	19	3068	9.6	5.871		8						
Standard Titer:	0.4920237						9	✓	✓	20	3070	9.6	5.897		9						
Blank Titer:	0.000272						10	✓	✓	21 ^A	1314	9.7	5.884	⇒	10	21B	13	3099	6.010	9.7	
THIO N:	0.249854						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.

12
Oxy
JF2
200 m
2018-39
Bot 1

13
Oxy
JF2
100 m
2018-39
Bot 2

14
Oxy
JF2
75 m
2018-39
Bot 3

15A
Oxy
JF2
50 m
2018-39
Bot 4

15B
Oxy
JF2
50 m
2018-39
Bot 4

16
Oxy
JF2
40 m
2018-39
Bot 5

17
Oxy
JF2
30 m
2018-39
Bot 6

18
Oxy
JF2
20 m
2018-39
Bot 7

19
Oxy
JF2
10 m
2018-39
Bot 8

20
Oxy
JF2
5 m
2018-39
Bot 9

21A
Oxy
JF2
0 m
2018-39
Bot 10

21B
Oxy
JF2
0 m
2018-39
Bot 10

00601

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:	2018-35	1	✓	✓	22	3164	8.9	4.658		1					
Event:	6	2	✓	✓	23	691	8.9	4.846		2					
Station:	L601	3	✓	✓	24	1015	10.3	9.291	* analyzed & incorrect sample id + flask	3					
Event Date (Local):	9 May 2018	4	✓	✓	25	3083	10.8	10.239	25 analyzed before 22, 23 - 24	4					dosimat had to refill mid-sample
Analysis Date (Local):	9 May 2018	5								5					
Analyst:	Tamara	6								6					
Stdization Date (Local):	8 May 2018	7								7					
KIO ₃ N:	0.0118741	8								8					
Standard Titer:	0.4920237	9								9					
Blank Titer:	0.000272	10								10					
THIO N:	0.249854	11								11					
Sample Flask Water Seal?	Yes	12								12					
	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ None	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

25
Oxy
LB01
5 m
2018-39
Bot 4

22
Oxy
LB01
b-10 m
2018-39
Bot 1

23
Oxy
LB01
20 m
2018-39
Bot 2

24
Oxy
LB01
10 m
2018-39
Bot 3

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

SPERM WHALE

00701

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:	2018-39	1	✓	✓	27	2020	8.9	4.407		1					
Event:	7	2	✓	✓	28	3145	8.9	4.622		2					
Station:	LB02	3	✓	✓	29A	1442	9.7	5.292	→	3	29B	2092	9.1	5.283	6 analyzed before A
Event Date (Local):	9 May 2018	4	✓	✓	30	3106	9.7	7.303		4					
Analysis Date (Local):	9 May 2018	5	X	X	31	3036	10.4	9.179	Top cap didn't close	5					
Analyst:	Tamara	6				3052	10.3		↳ needed to re-draw, used new flask @ end	6					
Stdization Date (Local):	8 May 2018	7								7					
KIO ₃ N:	0.018741	8								8					
Standard Titer:	0.4920237	9								9					
Blank Titer:	0.000272	10								10					
THIO N:	0.249854	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 None	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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

27	28	B	29	A	30	31
Oxy	Oxy		Oxy	Oxy	Oxy	Oxy
LB02	LB02		LB02	LB02	LB02	LB02
b-10 m	30 m		20 m	20 m	10 m	5 m
2018-39	2018-39		2018-39	2018-39	2018-39	2018-39
Bot 1	Bot 2		Bot 3	Bot 3	Bot 4	Bot 5

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Sperm Whale

profile
this ~~was~~ was not watered until ~ 2.5 hrs after

2nd shake 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:	2018-39						1			33	3089	8.1	2.415		1						
Event:	9						2			34A	3135	8.4	3.062	=7	2	34B	3074	8.4	3.054		
Station:	LB04						3			35	3055	8.8	4.094		3						
Event Date (Local):	9 May 2018						4			36	3094	9.2	5.422		4						
Analysis Date (Local):	9 May 2018						5			37	3065	9.8	6.887		5						
Analyst:	Tamarc						6			38	3101	10.7	9.928		6						
Stdization Date (Local):	8 May 2018						7			39	3147	11.0	10.630		7					burette had to refill	
KIO ₃ N:	0.0118741						8			39	3147				8						
Standard Titer:	0.4920237						9								9						
Blank Titer:	0.000272						10								10						
THIO N:	0.249854						11								11						
Sample Flask Water Seal?	Yes						12								12						
	No						13								13						
Reagent Change?	MnCl ₂						14								14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none						16								16						
	KIO ₃						17								17						
	THIO						18								18						
Notes:							19								19						
							20								20						
							21								21						
							22								22						
							23								23						
							24								24						

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

33	34 A	34 B	35	36	37	38	39
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LB04	LB04	LB04	LB04	LB04	LB04	LB04	LB04
b-10 m	75 m	75 m	50 m	30 m	20 m	10 m	5 m
018-39	018-39	018-39	018-39	018-39	018-39	018-39	018-39
Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7

01201

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



Sperm 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:	2018-39	1			40	458	7.9	2.207		1					
Event:	12	2			41A	3103	9.6	6.410	=7	2	41B	3098	9.6	6.412	☺
Station:	E1	3			42	1312	10.2	8.377		3					
Event Date (Local):	9 May 2018	4			43	3133	10.8	10.374		4					burette refilled > 1ml
Analysis Date (Local):	9 May 2018	5			44	371	10.9	10.603		5					
Analyst:	Tamar	6								6					
Stdization Date (Local):	8 May 2018	7								7					
KIO ₃ N:	0.0118741	8								8					
Standard Titer:	0.4920237	9								9					
Blank Titer:	0.000272	10								10					
THIO N:	0.249854	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.

40	41 A	41 B	42	43	44
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
E1	E1	E1	E1	E1	E1
Bot-10 m	20 m	20 m	10 m	5 m	0 m
2018-39	2013-39	2018-39	2018-39	2018-39	2018-39
Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

01401

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:	2018-39						1			46	1023	7.7	2.118		1						
Event:	14						2			47A	3044	7.7	2.129	=>	2	47B	3019	7.7	2.135	retrieved 2nd stir bar before filtrn.	
Station:	L306						3			48	429	8.5	3.094		3						
Event Date (Local):	9 May 18						4			49	3128	8.6	3.958		4						
Analysis Date (Local):	10 May 2018						5			50	3037	8.9	4.689		5						
Analyst:	Tamara						6			51	3000	9.0	4.996		6						
Stdization Date (Local):	9 May 2018						7			52	1457	10.1	7.905		7						
KIO ₃ N:	0.0123057						8			53	3014	10.8	9.760		8						
Standard Titer:	0.4925799						9								9						
Blank Titer:	0.0005669						10								10						
THIO N:	0.249937						11								11						
Sample Flask Water Seal?	(Yes)						12								12						
	No						13								13						
Reagent Change?	MnCl ₂						14								14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16								16						
	KIO ₃						17								17						
	THIO						18								18						
Notes:							19								19						
							20								20						
							21								21						
							22								22						
							23								23						
							24								24						

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.

Turtle

46	47 A	47 B	48	49	50	51	52	53
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LB06	LB06	LB06	LB06	LB06	LB06	LB06	LB06	LB06
ot-10	.00 m	.00 m	75 m	50 m	30 m	20 m	10 m	5 m
018-39	018-39	018-39	018-39	2018-39	2018-39	2018-39	2018-39	2018-39
lot 1	lot 2	lot 2	lot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

02801

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: 2018-39		1	✓	✓	55	1401	7.8	2.013		1					
Event: 28		2	✓	✓	56A	1418	8.1	2.142	⇒	2	56B	650	8.1	2.143	B sampled 1st ☺
Station: LB08	4	3	✓	✓	58	3090	8.5	2.776	bottle # on label wrong, use #'s here	3					
Event Date (Local): 10 May 2018	5	4	✓	✓	59	3143	8.7	3.229	sample ID wrong on analysis	4					
Analysis Date (Local): 10 May 18	6	5	✓	✓	60	2035	9.0	4.475		5					
Analyst: Tamerik	7	6	✓	✓	61	1019	9.0	4.894		6					
Stdization Date (Local): 9 May 18	8	7	✓	✓	62	1470	9.2	5.446		7					
KIO ₃ N: 0.0123057	9	8	✓	✓	63	2099	11.2	7.428		8					
Standard Titer: 0.4925799	10	9	✓	✓	64	3084	12.1	7.149		9					
Blank Titer: 0.0005669		10			66	2069				10					
THIO N: 0.249937		11			67	3068				11					
Sample Flask Water Seal? Yes		12			68	3070				12					
Reagent Change? MnCl ₂		13			69	1814				13					
(Please circle reagent that was changed prior to sampling and standardization)		14			70	3099				14					
NOTE NEW BATCH IN LOG BOOK		15			71	3111				15					
		16			72A	3184		⇒		16	72B	691			
		17			73	1015				17					
		18			74	3083				18					
Notes:		19								19					
turtle		20								20					
Glenn draw		21								21					
Robin pickle		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.

55
Oxy
LB08
5 m
2018-39
Bot 1

56A
Oxy
LB08
5 m
2018-39
Bot 2

56B
Oxy
LB08
5 m
2018-39
Bot 2

58
Oxy
LB08
5 m
2018-39
Bot 4

59
Oxy
LB08
5 m
2018-39
Bot 5

60
Oxy
LB08
5 m
2018-39
Bot 6

61
Oxy
LB08
5 m
2018-39
Bot 7

62
Oxy
LB08
5 m
2018-39
Bot 8

63
Oxy
LB08
5 m
2018-39
Bot 9

64
Oxy
LB08
5 m
2018-39
Bot 10

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Turtle

02901

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:	2018-39	1	✓	✓	66	2069	7.9	1.954	tried to run w/ no burette in sample	1					
Event:	29	2	✓	✓	67	3068	7.9	2.025		2					
Station:	LB09	3	✓	✓	68	3070	8.6	2.544		3					
Event Date (Local):	10 May	4	✓	✓	69	1314	9.0	3.863		4					
Analysis Date (Local):	10 May 18	5	✓	✓	70	3099	9.0	4.264		5					
Analyst:	Tamara	6	✓	✓	71	3111	9.2	4.750		6					
Stdization Date (Local):	9 May 18	7	✓	✓	72A	3164	9.6	5.604	→ not the best curve	7	72B	691	9.6	5.606	
KIO ₃ N:	0.0123057	8	✓	✓	73	1015	11.5	7.686		8					
Standard Titer:	0.4925799	9	✓	✓	74	3083	11.8	7.582		9					
Blank Titer:	0.0005669	10								10					
THIO N:	0.249937	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					
Glenn draw		19								19					
Robin pickle		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.

66
Oxy
LB09
10 m
018-39
Bot 1

67
Oxy
LB09
125 m
018-39
Bot 2

68
Oxy
LB09
100 m
018-39
Bot 3

69
Oxy
LB09
75 m
018-39
Bot 4

70
Oxy
LB09
50 m
018-39
Bot 5

71
Oxy
LB09
30 m
018-39
Bot 6

72
Oxy
LB09
20 m
018-39
Bot 7

728
Oxy
LB09
20 m
018-39
Bot 7

73
Oxy
LB09
10 m
2018-3
Bot 8

74
Oxy
LB09
5 m
2018-3
Bot 9

2035

3143

3090

650

1418

1401

3014

1457

3000

3037

3120

429

3019

3044

1023

03201

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



sperm

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:	2018-39	1	✓✓	76	2020	7.9	2.149		1					
Event:	32	2	✓✓	77	3145	8.0	2.240		2					
Station:	LB 11	3	✓✓	78	2092	8.2	2.271		3					
Event Date (Local):	10 May 2018	4	✓✓	79	1442	8.5	2.640		4					
Analysis Date (Local):	10 May 2018	5	✓✓	80	3106	8.8	2.795		5					
Analyst:	Tanaka	6	✓✓	81	3036	9.0	3.590		6					
Stdization Date (Local):	9 May 2018	7	✓✓	82A	3052	9.2	4.937	→	7	82B	3089	9.3	4.939	😊
KIO ₃ N:	0.0123057	8	✓✓	83	3135	9.3	5.594		8					
Standard Titer:	0.4925799	9	✓✓	84	3074	10.0	6.315		9					
Blank Titer:	0.0005669	10	✓✓	85	3055	11.4	7.481	redrawn, lots bubbles dispensed →	10	85B	3065	11.4	7.461	made a dup, at end of box
THIO N:	0.249937	11	✓X	86	3094	12.0	7.301	top cap not seated - analyzed before 85B	11					
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

2020
 3145
 2092
 1442
 3106
 3086
 3052
 3089
 3135
 3074
 3055
 3094
 3065
 3101
 3147
 458
 3103
 3098
 1312
 3133
 371
 2090
 3054
 2088
 3076
 3075
 3127
 3100
 3041
 3010

76	77	78	79	80	81	82 ^A	82 ^B	83	84	85	86	2018-39
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11	LB11
b-10 m	175 m	150 m	125 m	100 m	75 m	50 m	50 m	30 m	20 m	10 m	5 m	sample #
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	856
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 10

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



SWORDFISH

03301

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:	2018-39			87	3131	7.0	0.841							1						
Event:	33			88	3199	6.9	0.992							2						
Station:	LB12			89A	557	7.3	1.564	→						3	89B	438	7.4	1.561	😊😊	
Event Date (Local):	10 May 2018			90	3022	7.5	1.824							4						
Analysis Date (Local):	10 May 18													5						
Analyst:	Tamara			92	547	7.9	2.056	*92 analyzed before 87-90*						6						
Stdization Date (Local):	9 May 18			93	1402	8.1	2.201							7						
KIO ₃ N:	0.0123057			94	339	8.5	2.412							8						
Standard Titer:	0.4925799		✓	95	3155	8.7	2.660							9						
Blank Titer:	0.0005669		✓	96	3091	9.0	2.866							10						
THIO N:	0.249937		✓	97	3176	9.1	3.215	LEAKING TOP CAP						11						leaking top cap
Sample Flask Water Seal?	(Yes) No		✓	98	3109	9.3	4.617							12						
Reagent Change?	MnCl ₂		✓	99	3118	9.6	5.526							13						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH		✓	100	3028	9.8	5.580							14						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ None		✓	101A	3110	10.8	7.008	→						15	101B	1035	10.8	7.015		
	KIO ₃		x	102	3047	12.2	7.230	bottom and cap leaking						16						
	THIO													17						
Notes:														18						
														19						
														20						
														21						
														22						
														23						
														24						

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

1311
3029
730
658
3173
3030
1050
3051
2014
3025
3040
3192

92	87	88	89 A	89 B	90	93	94	95	96	97	98	99	100
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12	LB12
200 m	h-10 m	400 m	300 m	300 m	250 m	175 m	150 m	125 m	100 m	75 m	50 m	30 m	20 m
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
Bot 6	Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14

101 A	101 B	102
Oxy	Oxy	Oxy
LB12	LB12	LB12
10 m	10 m	5 m
2018-39	2018-39	2018-39
Bot 15	Bot 15	Bot 16

03601

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



BENDER

Cruise and Analysis Information		Nisk ID	Nisk Int V	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: 2018-39		1			104	3180	5.6	0.312		1					
Event: 36		2			105A	1422	5.7	0.246	⇒	2	105B	3018	5.7	0.243	
Station: LB 14		3			106	3200	5.9	0.272		3					
Event Date (Local): 10 May 2018		4			107	3170	6.4	0.760	Redrawn sample 6.5°C	4					analyzed = temp = 6.4.
Analysis Date (Local): 10 May 18		5			108	462	6.8	1.195	overtitrated - weird curve	5					
Analyst: Tamar		6			109	3081	7.2	1.728		6					
Stdization Date (Local): 9 May 18		7			110	435	7.7	2.001		7					
KIO ₃ N: 0.0123057		8			111	2049	7.9	2.035		8					
Standard Titer: 0.4925799		9			112	3078	8.3	2.605	slight leak in both vent/spigot	9					
Blank Titer: 0.0005669		10			113	3085	8.5	2.920		10					
THIO N: 0.249937 *Bottle 19*		11			114A	3080	8.7	3.138	⇒	11	114B	2086	8.7	3.135	
Sample Flask Water Seal? ☒ Yes		12			115	437	9.0	3.126		12					
Reagent Change? MnCl ₂		13			116	2091	9.4	4.848	no water seal on this one	13					
(Please circle reagent that was changed prior to sampling and standardization)		14			117	2087	9.5	6.304		14					
NOTE NEW BATCH IN LOG BOOK		15			118	586	9.6		broke stopper - could not analyze	15					sample
		16			119	2095	9.7	5.630		16					
		17			120	425	11.1	7.480		17					
		18			121	2063	11.2	7.455		18					
Notes: Niskin moved bottle 11 to #19		19								19					
b/c cracked		20								20					
Draw = Tamar		21								21					
Pickle = Nina		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.

55

3086

3142

3121

2094

456

3079

439

3088

3095

[illegible]

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Turtle

04501

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:	2018-39	1	✓	✓	124	1023	4.6	0.603		1					
Event:	45	2	✓	✓	125A	3044	4.9	0.394	⇒	2	125B	3019	5.0	0.407	
Station:	LC11	3	✓	✓	126	429	5.3	0.248		3					
Event Date (Local):	MAY 11/2018	4	✓	✓	127	3120	5.7	0.228		4					
Analysis Date (Local):	11 May 18	5	✓	✓	128	3037	6.3	0.775		5					
Analyst:	TF	6	✓	✓	129	3000	6.6	1.275		6					
Stdization Date (Local):	11 May 18	7	✓	✓	130	1457	7.0	2.430		7					
KIO ₃ N:	0.0123057	8	✓	✓	131	3014	7.5	2.188		8					
Standard Titer:	0.4924399	9	✓	✓	132	1401	7.9	2.670		9					
Blank Titer:	0.0004369	10	✓	✓	133	1418	8.1	2.573		10					
THIO N:	0.249971	11	✓	✓	134	650	8.4	2.719		11					
Sample Flask Water Seal?	Yes	12	✓	✓	135A	3090	8.6	2.705	⇒	12	135B	3143	8.7	2.710	
Reagent Change?	MnCl ₂	13	✓	✓	136	2035	8.9	2.920		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14	✓	✓	137	1019	8.8	4.083		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15	✓	✓	138	1470	9.3	6.060		15					
	KIO ₃	16	✓	✓	139	2099	9.5	6.542		16					
	THIO	17	✓	✓	140	3084	9.9	6.862		17					
Notes:	Glenn draw	18	✓	✓	141	3048	11.0	6.850		18					
	Robin pickle	19	✓	✓	142	2069	11.1	6.865		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.

124	125 A	125 B	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	
-----	-------	-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

04801

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: 2018-39		1	✓✓	143	3131	6.5	0.472	bottom cap leaking, not fully seated	1					
Event: 48		2	✓✓	144	3199	6.7	0.789		2					
Station: LCO9		3	✓✓	145	557	6.9	1.077		3					
Event Date (Local): May 11 / 2018		4	✓✓	146	438	7.3	1.655		4					
Analysis Date (Local): 11 May 18		5	✓✓	147A	3022	7.5	2.434	⇒ crack in joint of flask 3022 - discard flask	5	147B	547	7.7	2.429	
Analyst: Tamara		6	✓✓	148	1402	7.9	3.243		6					
Stdization Date (Local): 11 May 18		7	✓✓	149	339	8.1	3.402		7					
KIO ₃ N: 0.0123057		8	✓✓	150	3155	8.3	3.432		8					
Standard Titer: 0.4924399		9	✓✓	151	3091	8.7	3.384		9					
Blank Titer: 0.0004369		10	✓✓	152	3176	9.2	3.613		10					
THIO N: 0.249971		11	✓✓	153	3109	9.5	4.381		11					
Sample Flask Water Seal? ☒ Yes		12	✓✓	154	3118	9.5	5.903		12					
	No	13	✓✓	155A	3028	9.6	5.829	⇒	13	155B	3110	9.7	5.829	😊
Reagent Change? MnCl ₂		14	✓✓	156	1035	10.8	6.640		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15	✓✓	157	3047	11.5	6.958		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16	✓✓	158	1472	11.4	6.936		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.

143	144	145	146	A 147	B 147	148	149	150	151	152	153	154	A 155	B 155
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09	LC09
bot-10	500	400	300	250	250	200	175	150	125	100	75	50	30	30
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
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 12	Bot 13	Bot 13

156	157	158
Oxy	Oxy	Oxy
LC09	LC09	LC09
20	10	5
2018-39	2018-39	2018-39
Bot 14	Bot 15	Bot 16

05201

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 S 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: 2018-39		1		161	1311	7.5	2.020		1					
Event: 52		2		162	3029	7.6	2.220	Crystals on bottom	2					analyzed sample 162 before sample #2 161
Station: LCO9 LCO8		3		163	730	7.8	2.371	Crystals on bottom	3					
Event Date (Local): May 11/2018		4		164	658	8.0	2.162	Sludge on bottom	4					
Analysis Date (Local): 11 May 18		5		165	3173	8.6	4.573	2.946	5					
Analyst: Tamara		6		166	3030	8.9	6.213	4.573	6					
Stdization Date (Local): 11 May 18		7		167A	1050	9.2	6.213	⇒ Crud on bottom of bottle	7	1678	3051	9.3	6.209	
KIO ₃ N: 0.0123057		8		168	2014	9.5	6.138		8					
Standard Titer: 0.4924399		9		169	3025	9.4	5.923		9					
Blank Titer: 0.0004369		10		170	3040	11.0	7.169		10					
THIO N: 0.249971		11		171	392	11.1	7.140	Leaky top cap...again!!	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)		15							15					
NOTE NEW BATCH IN LOG BOOK		16							16					
		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.

162	161	163	164	165	166	167 A	167 B	168	169	170	171
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08	LC08
175	b-10m	150	125	100	75	50	50	30	20	10	5
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
Bot 2	Bot 1	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Turtle

05601

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:	2018-39			172	3068	9.0	3.264								1					
Event:	56			173	3070	9.3	4.143								2					
Station:	LC06			174A	1314	9.7	6.042	⇒							3	174B	3099	9.7	6.040	☺
Event Date (Local):	May 11/2018			175	3111	9.3	5.272								4					
Analysis Date (Local):	11 May 18			176	3164	11.5	6.969								5					
Analyst:	Tamara			177	691	11.5	6.982								6					
Stdization Date (Local):	11 May 18			178	1015	11.6	6.967								7					
KIO ₃ N:	0.0123057														8					
Standard Titer:	0.4924399														9					
Blank Titer:	0.0004369														10					
THIO N:	0.249971														11					
Sample Flask	Yes														12					
Water Seal?	No														13					
Reagent Change?	MnCl ₂														14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH														15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄														16					
	KIO ₃														17					
	THIO														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.

172	173	174 A	174 B	175	176	177	178
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LC06	LC06	LC06	LC06	LC06	LC06	LC06	LC06
b-10	75	50	50	30	20	10	5
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
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



Sperm Whale

05901

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:	208-39	1		179	2020	8.8	3.742		1					
Event:	59	2		180	3145	8.8	3.815	Re-draw 8.9 analyzed with	2			temp = 8.8		
Station:	L604	3		181	2092	8.8	4.002		3					
Event Date (Local):	May 11/2018	4		182	1442	8.9	4.276		4					
Analysis Date (Local):	11 May 18	5		183	3106	8.9	4.605		5					
Analyst:	Tamara	6		184	3036	9.1	5.658		6					
Stdization Date (Local):	11 May 18	7		185A	3052	8.8	5.178	=)	7	185B	3089	8.8	5.174	
KIO ₃ N:	0.0123057	8		186	3135	9.1	5.553		8					
Standard Titer:	0.4924399	9		187	3094	11.3	7.280	BOTH GAPS NOT SEATED PROPERLY	9					
Blank Titer:	0.0004369	10		188	3055	11.6	7.271		10					
THIO N:	0.249971	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.

179	180	181	182	183	184	A 185	B 185	186	187	188
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04	LC04
B-10	150	125	100	75	50	30	30	20	10	5
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7	Bot 7	Bot 8	Bot 9	Bot 10

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

06101

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: 2018-39	1			191	3094	8.7	3.655								1					
Event: 61	2			192	3065	8.9	4.472								2					
Station: LCO2	3			193A	3101	9.1	5.016	=>							3	193B	3147	9.1	5.018	☺
Event Date (Local): 11 May 18	4			194	458	9.1	5.212								4					
Analysis Date (Local): 11 May 18	5			195	3103	9.1	5.781								5					
Analyst: Tamarie	6			196	3098	11.4	7.365								6					
Stdization Date (Local): 11 May 18	7			197	1312	12.0	7.221								7					
KIO ₃ N: 0.0123057	8														8					
Standard Titer: 0.4924399	9														9					
Blank Titer: 0.0004369	10														10					
THIO N: 0.249971	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					
	19														19					
Notes: Sperm whale	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.

191	192	193A	193B	194	195	196	197
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
LC02	LC02	LC02	LC02	LC02	LC02	LC02	LC02
b-10	75	50	50	30	20	10	5
2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39	2018-39
Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 7