

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Sperm 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: 2019-069	1		2	1416	10.5	0.614		1					
Event: 11	2		3	3010	10.4	0.711		2					
Station: EFF03	3		4	3114	10.4	0.993		3					
Event Date (Local): 01 Aug 19	4		5	435	10.4	1.102		4					
Analysis Date (Local): 01 Aug 19	5		6	3047	11.1	2.733		5					
Analyst: TF	6		7A	2025	11.5	4.423		6	7B	1422	11.6	4.427	
Stdization Date (Local): 01 Aug 19	7		8	3180	12.4	6.654		7					
KIO ₃ N: 0.0117854	8		9	3173	20.3	7.475		8					
Standard Titer: 0.489066	9							9					
Blank Titer: 0.0005516	10						In case in wrong order	10					
THIO N: 0.241081	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	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
	19												
Notes:	20		2	3	4	5	6	7 A	7 B	8	9		
	21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
	22		EFF03	EFF03	EFF03	EFF03	EFF03	EFF03	EFF03	EFF03	EFF03		
	23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069		
	24		Bot 1	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8		

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

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Sperm whale

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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: 2019-069	1		10A	3106	10.1	1.406		1	10B	3036	10.1	1.409	
Event: 13	2		11	3088	10.0	1.618	10.3 changed H ₂ O ₂ dispenser	2					
Station: EFF05	3		12	3089	10.3	1.315		3	13B				
Event Date (Local): 01 Aug 19	4		13A	3090	10.3	1.267		4	13B	2094	10.3	1.273	
Analysis Date (Local): 01 Aug 19	5		14	1442	10.7	1.599		5					
Analyst: TF	6		15	3000	11.2	3.577		6					
Standardization Date (Local): 01 Aug 19	7		16	3098	11.9	5.195		7					
KIO ₃ N: 0.0117854	8		17	3079	13.1	7.120		8					
Standard Titer: 0.489066	9		18	3095		6.831	forgot to record draw T - used 19.4	9					
Blank Titer: 0.0005516	10							10					
THIO N: 0.241081	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					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes:	19							19					
	20		10 A	10 B	11	12	13 A	13 B	14	15	16	17	18
	21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	22		EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05	EFF05
	23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
	24		Bot 1	Bot 1	Bot 2	Bot 3	Bot 4	Bot 4	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9

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

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Last Updated: 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: 2019-069	1		19	3135	10.2	1.500								1						
Event: 15	2		20	3083	10.1	1.380								2						
Station: EFF07	3		21A	3121	10.1	1.392	10.2 redrawn							3	21B	3116	10.2	1.393	😊	
Event Date (Local): 01 Aug 19	4		22	3091	10.6	1.894								4						
Analysis Date (Local): 02 Aug 19	5		23	932	11.6	4.422								5						
Analyst: TF	6		24A	3155	12.1	5.520								6	24B	3044	12.1	5.532	v. small bubble in sample B	
Stdization Date (Local): 01 Aug 19	7		25	1311	14.2	8.269								7						
KIO ₃ N: 0.0117854	8		26	3111	19.4	7.370								8						
Standard Titer: 0.489066	9													9						
Blank Titer: 0.0005516	10													10						
THIO N: 0.241081	11													11						
Sample Flask Water Seal? ☒ Yes	12													12						
	13													13						
Reagent Change? MnCl ₂	14													14						
(Please circle reagent that was changed prior to sampling and standardization)	15													15						
	16													16						
NOTE NEW BATCH IN LOG BOOK	17													17						
	18													18						
Notes:	19													19						
	20		19	20	21 A	21 B	22	23	24 A	24 B	25	26		20						
	21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		21						
	22		EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07	EFF07		22						
	23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069		23						
	24		Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8		24						

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

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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:	2019-069	1		27	3143	11.1	3.101							1						
Event:	17	2		28	620	11.3	4.330							2						
Station:	EFF09	3		29A	622	12.0	5.416							3	29B	3018	12.1	5.555	~	
Event Date (Local):	01 Aug 19	4		30	3048	13.8	8.261							4						
Analysis Date (Local):	02 Aug 19	5		31	3120	18.7	7.297							5						
Analyst:	PF J	6												6						
Stdization Date (Local):	01 Aug 19	7												7						
KIO ₃ N:	0.0117854	8												8						
Standard Titer:	0.489066	9												9						
Blank Titer:	0.0005516	10												10						
THIO N:	0.241081	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	15												15						
	KIO ₃	16												16						
	THIO	17												17						
	none	18												18						
Notes:		19												19						
		20		27	28	29 A	29 B	30	31					20						
		21		OXY	OXY	OXY	OXY	OXY	OXY					21						
		22		EFF09	EFF09	EFF09	EFF09	EFF09	EFF09					22						
		23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069					23						
		24		Bot 1	Bot 2	Bot 3	Bot 3	Bot 4	Bot 5					24						

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

Dissolved Oxygen Analysis Log Sheet

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Last Updated: July 2018

Turt+6

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:	2019-069	1		32	3110	10.1	1.264			1									
Event:	19	2		33A	3078	10.6	2.227			2	33B	3131	10.7	2.241	ü				
Station:	EFF11	3		34	3029	11.6	4.131			3									
Event Date (Local):	01 Aug 19	4		35	2085	12.1	5.148			4									
Analysis Date (Local):	02 Aug 19	5		36	1459	13.7	8.191			5									
Analyst:	TF	6		37	2099	17.7	7.776			6									
Stdization Date (Local):	01 Aug 19	7								7									
KIO ₃ N:	0.0117854	8								8									
Standard Titer:	0.489066	9								9									
Blank Titer:	0.0005516	10								10									
THIO N:	0.241081	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	15								15									
	KIO ₃	16								16									
	THIO	17								17									
	none	18								18									
Notes:		19																	
		20		32	33A	33B	34	35	36	37									
		21		OXY	OXY	OXY	OXY	OXY	OXY	OXY									
		22		EFF11	EFF11	EFF11	EFF11	EFF11	EFF11	EFF11									
		23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069									
		24		Bot 1	Bot 2	Bot 2	Bot 3	Bot 4	Bot 5	Bot 6									

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.

Whole (of a tail)

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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:	2019-069	1		38	3074	5.4	1.479	sample on stirrer for ~5min before started	1	titration			(setting up box files)						
Event:	30	2		39					2										
Station:	C108	3		40	930	5.7	0.640		3										
Event Date (Local):	02 Aug 19	4		41	3133	5.9	0.388		4										
Analysis Date (Local):	03 Aug 19	5		42	3103	6.2	0.239		5										
Analyst:	TF	6		43A	3080	6.6	0.280	⇒	6	43B	3101	6.7	0.274						
Stdization Date (Local):	03 Aug 19	7		44	3098	7.1	0.701	*big crack in bottom of flask*	7										
KIO ₃ N:	0.0117854	8		45	3079	7.2	1.222		8										
Standard Titer:	0.4889122	9		46	3095	7.7	1.668		9										
Blank Titer:	0.000605	10		47	3142	8.1	2.286		10										
THIO N:	0.241203	11		48	3084	8.5	2.923		11										
Sample Flask Water Seal?	Yes	12		49A	3086	8.9	3.419	⇒	12	49B	3088	9.0	3.412						
	No	13		50	3089	9.6	4.137		13										
Reagent Change?	MnCl ₂	14		51	3090	10.3	4.893		14										
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		52	2094	10.7	6.375		15										
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		53					16										
	KIO ₃	17		54	1442	13.1	6.861		17										
	THIO	18		55	3000	15.7	6.433		18										
Notes:		19		56	1422	17.8	5.863		19										
cleaned 1801 MIX		20		57	3180	17.8	5.881		20										
H ₂ SO ₄ 26 June 19		21							21										
6/1 top disp 11		22							22										
starting here again		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	40	41	42	43 A	43 B	44	45	46	47	48	49 A	49 B	50	51
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08	CI08
2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
Bot 1	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

52	54	55	56	57
OXY	OXY	OXY	OXY	OXY
CI08	CI08	CI08	CI08	CI08
2019-069	2019-069	2019-069	2019-069	2019-069
Bot 15	Bot 17	Bot 18	Bot 19	Bot 20

Dissolved Oxygen Analysis Log Sheet

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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:	2019-069	1					1							1						NO OXY
Event:	35	2		61	2099	7.9	1.604							2						
Station:	SCOTTS2	3		62	2049	8.1	1.757							3						
Event Date (Local):	03 Aug 19	4		63	3037	8.4	2.354							4						
Analysis Date (Local):	04 Aug 19	5		64	3076	8.9	3.102							5						
Analyst:	TF	6		65	3014	9.3	4.150							6	65B	3081	9.3	4.154		
Stdization Date (Local):	04 Aug 19	7		66	3110	10.2	4.836							7						
KIO ₃ N:	0.0117854	8												8						NO OXY
Standard Titer:	0.489328	9		68	2078	10.9	5.057							9						
Blank Titer:	0.0006732	10		69	3131	13.1	5.744							10						
THIO N:	0.241077	11		70	3029	15.3	6.227							11						
Sample Flask Water Seal?	☒ Yes ☐ No	12		71	2085	17.3	6.100							12	71B	1459	17.3	6.117		one funny point - overtitrated
Reagent Change?	MnCl ₂	13		72	620	17.6	6.041							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		16												16						
KIO ₃		17												17						
THIO		18												18						
Notes:		19												19						
		20		61	62	63	64	A	B					20	68					
		21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		21	OXY					
		22		SCOTTS2	SCOTTS2	SCOTTS2	SCOTTS2	SCOTTS2	SCOTTS2	SCOTTS2	SCOTTS2	SCOTTS2		22	SCOTTS2					
		23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069		23	2019-069					
		24		Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7				24	Bot 9					

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 comment.

2019-069
SCOTTS2
Bot 13
OXY
72

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Institute of Ocean Sciences
Water Properties Group



Turtle

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: 2019-069		1		76					1					NO OXY
Event: 38		2		76	3018	8.7	1.485		2					
Station: HAK1		3		77	3048	9.5	2.480		3					
Event Date (Local): 03 Aug 19		4		78	3120	10.4	3.939		4					
Analysis Date (Local): 04 Aug 19		5		79	3041	11.5	4.697	cleared bubble from dispenser	5					
Analyst: TF		6							6					NO OXY
Stdization Date (Local): 04 Aug 19		7							7					
KIO ₃ N: 0.0117854		8		82A	3155	14.5	5.864		8	82B	3044	14.5	5.835	1st B First
Standard Titer: 0.489328		9		83	1311	15.7	6.176		9					
Blank Titer: 0.0006732		10		84	3111	16.9	6.537		10					
THIO N: 0.241077		11							11					NO OXY
Sample Flask Water Seal? ☒ Yes ☐ No		12		86	3099	17.5	6.553		12					
		13							13					NO OXY
Reagent Change? MnCl ₂		14							14					
(Please circle reagent that was changed prior to sampling and standardization)		15						Did sample from Niski 12 → 2	15					
NOTE NEW BATCH IN LOG BOOK		16							16					
		17							17					
		18							18					
Notes:		19												
		20		76	77	78	79	82 A	82 B	83	84	86		
		21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
		22		HAK1	HAK1	HAK1	HAK1	HAK1	HAK1	HAK1	HAK1	HAK1		
		23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069		
		24		Bot 2	Bot 3	Bot 4	Bot 5	Bot 8	Bot 8	Bot 9	Bot 10	Bot 12		

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

SWIMOSAURUS



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:	2019-069	1		no oxygen			1							1					
Event:	41	2		89	3046	8.5	1.564		2					2					
Station:	MS01	3		90	2089	8.5	1.719		3					3					
Event Date (Local):	03 Aug 19	4		91	371	9.0	2.163		4					4					
Analysis Date (Local):	04 Aug 19	5		92A	2055	9.6	2.886	⇒	5	92B	1094	9.7	2.883						
Analyst:	TF	6		93	396	10.2	4.042		6										
Stdization Date (Local):	04 Aug 19	7		no oxygen					7										
KIO ₃ N:	0.0117854	8		95	471	11.3	4.884		8										
Standard Titer:	0.489328	9		96	3137	13.3	5.463		9										
Blank Titer:	0.0006732	10		97	3049	16.5	6.449		10										
THIO N:	0.241077	11		no oxygen					11										
Sample Flask Water Seal?	Yes	12		99	1055	17.6	6.415		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 none	17							17										
	THIO	18							18										
Notes:		19																	
		20	89	90	91	92 A	92 B	93	95	96	97	99							
		21	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY							
		22	MS1	MS1	MS1	MS1	MS1	MS1	MS1	MS1	MS1	MS1							
		23	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069							
		24	Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 8	Bot 9	Bot 10	Bot 12							

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

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Whale

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: 2019-069		1		X					1					
Event: 46		2		102	3074	7.6	1.405		2					
Station: M54		3		103	930	7.7	1.446		3					
Event Date (Local): 04 Aug 19		4		104	3133	7.9	1.678		4					
Analysis Date (Local):		5		105	3103	8.3	1.999	Redraw	5					
Analyst: TF		6		106A	3080	8.5	2.874	→	6	106B	3101	8.6	2.875	😊😊
Stdization Date (Local): 03 Aug 19		7		107	3079	9.0	2.809		7					
KIO ₃ N: 0.0117854		8		108A	3095	9.2	2.845	→	8	108B	3142	9.2	2.842	😊
Standard Titer: 0.489328		9		109					9					
Blank Titer: 0.0006732		10		110A	3084	9.5	3.417	→	10	110B	3086	9.5	3.441	😊
THIO N: 0.241077 Niskin #17		11		111	3088	9.8	4.872		11					
Sample Flask Water Seal? ☒ Yes ☐ No		12		112	3089	14.3	5.883		12					
		13		113	3090	16.7	6.160		13					
Reagent Change? MnCl ₂		14		114	2094	17.1	6.049		14					
(Please circle reagent that was changed prior to sampling and standardization)		15							15					
NOTE NEW BATCH IN LOG BOOK		16							16					
		17		111	3088	10.7			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.

12

102	103	104	105	106 <i>A</i>	106 <i>B</i>	107	108 <i>A</i>	108 <i>B</i>	110 <i>A</i>	110 <i>B</i>	112	113	114	111
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4	MS4
2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
Bot 2	Bot 3	Bot 4	Bot 5	Bot 6	Bot 6	Bot 7	Bot 8	Bot 8	Bot 10	Bot 10	Bot 12	Bot 13	Bot 14	Bot 15 17

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:	2019-069	1								1					
Event:	51	2			118	456		1.384	no temp recorded so used 5.7	2					NO OXY
Station:	M508B	3			119	3093	5.7	0.588		3					
Event Date (Local):	04 Aug 19	4			120	3148	6.2	0.251		4					
Analysis Date (Local):	05 Aug 19	5			121A	570	6.7	0.255		5	121B	3138	6.9	0.253	☺
Analyst:	TF	6			122	3126	7.0	0.658		6					
Stdization Date (Local):	03 Aug 19	7			123	510	7.3	1.075	redraw 7.3°	7					
KIO ₃ N:	0.0117854	8			124	745	7.4	1.814		8					
Standard Titer:	0.489328	9			125A	612	7.7	2.229		9	125B	2098	7.8	2.228	☺☺
Blank Titer:	0.0006732	10			126	3146	8.2	2.532		10					
THIO N:	0.241077	11			127	708	8.6	3.219		11					
Sample Flask	Yes	12			128	611	9.0	4.057		12					
Water Seal?	No	13			129	3165	9.5	4.763		13					
Reagent Change?	MnCl ₂	14			130	3175	10.2	5.228		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					NO OXY
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			132	3002	11.3	5.750		16					
	KIO ₃	17			133	3190	14.4	6.248		17					
	THIO	18			134A	309	17.8	5.902		18	134B	3162	17.8	5.906	small bubble in flask
Notes:		19								19					NO OXY
		20			136	3053	18.2	5.882		20					
		21								21					NO OXY
		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.

118	119	120	121 A	121 B	122	123	124	125 A	125 B	126	127	128	129	130
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8	MS8
2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 7	Bot 8	Bot 9	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14

132	133	134 A	134 B	136
OXY	OXY	OXY	OXY	OXY
MS8	MS8	MS8	MS8	MS8
2019-069	2019-069	2019-069	2019-069	2019-069
Bot 16	Bot 17	Bot 18	Bot 18	Bot 20

Dissolved Oxygen Analysis Log Sheet

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Nessie



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:	2019-069	1						no oxy sample	1					
Event:	56	2		159	3046	7.3	1.147		2					
Station:	MT08B	3		160	2089	7.3	1.179		3					
Event Date (Local):	04 Aug 19	4		161	371	7.4	1.304		4					
Analysis Date (Local):	05 Aug 19	5		162A	2055	7.7	1.603	→	5	162B	1094	7.8	1.607	
Analyst:	TF	6		163	396	8.1	1.991		6					
Stdization Date (Local):	03 Aug 19	7		164	471	8.8	2.645		7					
KIO ₃ N:	0.0117854	8		165	3137	9.3	3.435		8					
Standard Titer:	0.489328	9		166	3049	9.5	3.734		9					
Blank Titer:	0.0006732	10		167A	1055	10.5	4.505	→	10	167B	1406	10.5	4.504	☺☺
THIO N:	0.241077	11		168				no oxy sample	11					
Sample Flask Water Seal?	Yes	12		169	2060	15.1	6.103		12					
	No	13		170	2068	16.1	6.326		13					
Reagent Change?	MnCl ₂	14		171	3059	16.2	6.367		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		172	3073	16.3	6.386		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16						no oxy sample	16					
	KIO ₃	17						no oxy sample	17					
	THIO	18							18					

Notes:		159	160	161	162 A	162 B	163	164	165	166	167 A	167 B	169	170	171
		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
		MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B	MT08B
		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
		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 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.

172
OXY
MT08B
2019-069
Bot 15

Dissolved Oxygen Analysis Log Sheet

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Last Updated: July 2018

whale

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: 2019-069	1						1							1						No OXY
Event: 62	2		176	3074	9.3	2.705	2							2						
Station: Juan2-1	3		177	930	9.3	2.746	3							3						
Event Date (Local): Aug 5/19	4		178	3133	9.5	2.979	4							4						
Analysis Date (Local): 6 Aug 19	5		179	3183	10.2	3.646	A	5	179	3080	10.2	3.656	B	5	179	3080	10.2	3.656	B	
Analyst: TF	6		180	3101	11.8	4.252	11.0	6						6						
Stdization Date (Local): 6 Aug 19	7							7						7						No OXY
KIO ₃ N: 0.0117854	8		182	3079	11.8	4.810		8						8						
Standard Titer: 0.4894892	9							9						9						No OXY
Blank Titer: 0.0006988	10		184	3075	12.6	5.189	A 12.3C	10	184	3075	12.3	5.185	B	10	184	3075	12.3	5.185	B	
THIO N: 0.241005	11		185	3084	12.6	5.549	small bubble in flask	11						11						
Sample Flask Water Seal? ☒ Yes ☐ No	12		186	3086	13.5	6.604		12						12						
Reagent Change? MnCl ₂	13							13						13						No OXY
(Please circle reagent that was changed prior to sampling and standardization)	14		188	1442	14.9	7.822		14						14						
NOTE NEW BATCH IN LOG BOOK	15							15						15						No OXY
	16						started at bottle 14	16						16						
	17						niski	17						17						
	18							18						18						
Notes:	19							19						19						
	20		176	177	178	179 A	179 B	180	182	184 A	184 B	185	186	188						
	21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY						
	22		JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2	JUAN2						
	23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069						
	24		Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 8	Bot 10	Bot 10	Bot 11	Bot 12	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



Last Updated: July 2018

whole

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: 2019-069	1							1					NO OXY
Event: 64	2		191	3080	9.9	2.871	tiny bubbles in flask	2					
Station: JPS1	3		192	2094	10.3	3.312		3					
Event Date (Local): 5 Aug 19	4		193	3088	11.1	4.129	small bubbles in flask	4					
Analysis Date (Local): 6 Aug 19	5							5					NO OXY
Analyst: TF	6		195	3000	12.6	5.757	A	6	195	1422	12.6	5.772	B
Stdization Date (Local): 6 Aug 19	7		196	3180	12.8	6.016		7					
KIO ₃ N: 0.0117854	8		197	373	12.9	6.187		8					
Standard Titer: 0.4894892	9		198	458	13.2	6.473		9					
Blank Titer: 0.0006988	10		199	3106	13.5	6.668		10					
THIO N: 0.241005	11							11					NO OXY
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					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes:	19												
	20		191	192	193	195 A	195 B	196	197	198	199		
	21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
	22		JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1	JPS1		
	23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069		
	24		Bot 2	Bot 3	Bot 4	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10		

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

Dissolved Oxygen Analysis Log Sheet

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Bender

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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:	2019-069	1							1					
Event:	70	2		203	456	9.8	2.800	small bubble in flask	2					NO OXY
Station:	JPS7	3		204	3093	9.9	3.588		3					
Event Date (Local):	5 Aug 19	4		205	2148	12.0	4.961		4					
Analysis Date (Local):	6 Aug 19	5							5					NO OXY
Analyst:	TF	6		206	570	13.7		A	6	206	3138	13.7		B
Stdization Date (Local):	6 Aug 19	7	6	207	3126	14.0	13.7	A 5.912	7	207	3138	13.7	5.921	
KIO ₃ N:	0.0117854	8	7	208	512	15.1	14.0	6.248	8					
Standard Titer:	0.4894892	9	8	209	612	16.6	15.1	small bubbles in flask 7.378	9					
Blank Titer:	0.0006988	10							10					
THIO N:	0.241005	11							11					NO OXY
Sample Flask Water Seal?	Yes	12	9	210	612	16.6	7.815	small bubble in flask +	12					
	No	13						curve looked funny so over titrated	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		203	204	205	207	A	207	B	208	209	210	
		21		OXY	OXY	OXY	OXY		OXY		OXY	OXY	OXY	
		22		JPS7	JPS7	JPS7	JPS7		JPS7		JPS7	JPS7	JPS7	
		23		2019-069	2019-069	2019-069	2019-069		2019-069		2019-069	2019-069	2019-069	
		24		Bot 2	Bot 3	Bot 4	Bot 6		Bot 6		Bot 7	Bot 8	Bot 9	

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

Dissolved Oxygen Analysis Log Sheet

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Toitle

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: 2019-069	1		213				1						no oxy sample	1					
Event: 71	2		214	2099	7.7	1.338	2							2					
Station: MT05	3		215	2049	7.7	1.551	3							3					
Event Date (Local): 5 Aug 19	4		216	3037	8.1	1.931	4							4					
Analysis Date (Local): 6 Aug 19	5		217 A	3076	9.0	2.852	5						→	5	217 B	3014	9.1	2.852	😊😊😊
Analyst: TF	6		218	3081	9.5	3.873	6							6					
Stdization Date (Local): 6 Aug 19	7		219				7						no oxy sample	7					
KIO ₃ N: 0.0117854	8		220	3110	10.0	4.585	8							8					
Standard Titer: 0.4894892	9		221	3078	11.6	5.526	9							9					
Blank Titer: 0.0006988	10		222 A	3131	15.5	6.092	10						→	10	222 B	3029	15.6	6.093	😊😊
THIO N: 0.241005	11		223	2085	17.0	6.138	11							11					
Sample Flask Water Seal? ☒ Yes	12		224	1459	17.1	6.137	12							12					
	13		225				13						no oxy sample	13					
Reagent Change? MnCl ₂	14		226				14						no oxy sample	14					
(Please circle reagent that was changed prior to sampling and standardization)	15						15							15					
NOTE NEW BATCH IN LOG BOOK	16						16							16					
	17						17							17					
	18						18							18					

Notes:											
214	215	216	217 A	217 B	218	220	221	222 A	222 B	223	224
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05	MT05
2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
Bot 2	Bot 3	Bot 4	Bot 5	Bot 5	Bot 6	Bot 8	Bot 9	Bot 10	Bot 10	Bot 11	Bot 12

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

Dissolved Oxygen Analysis Log Sheet

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Benoler

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:	2019-069	1					1							1						NO OXY	
Event:	89	2		241	456	9.0	1.575	A						2	241	3093	9.1	1.582	B		
Station:	HECS4	3		242	3148	9.3	2.062							3							
Event Date (Local):	6 Aug 19	4		243	570	10.3	3.493							4							
Analysis Date (Local):	7 Aug 19	5												5						NO OXY	
Analyst:	TF	6		245	338	11.7	4.240	A						6	245	3126	11.7	4.246	B		
Stdization Date (Local):	6 Aug 19	7		246	510	12.8	4.728							7							
KIO ₃ N:	0.0117854	8		247	612	13.9	5.893							8							
Standard Titer:	0.4894892	9		248	575	14.2	6.028							9							
Blank Titer:	0.0006988	10		249	745	14.3	6.050							10							
THIO N:	0.241005	11	/	/	/	/	/	/	/	/	/	/	/	11	/	/	/	/	/	/	NO OXY
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											Bottle 11 = slight drop	14							
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15												15							
	KIO ₃	16												16							
	THIO	17												17							
Notes:		18												18							
		19												19							
		20		241 A	241 B	242								20							
		21		OXY	OXY	OXY	243							21							
		22		HECS4	HECS4	HECS4	OXY	245 A						22							
		23		2019-069	2019-069	2019-069	HECS4	245 B	245	246	247	248	249	23							
		24		Bot 2	Bot 2	Bot 3	2019-069	HECS4	HECS4	HECS4	HECS4	HECS4	HECS4	24							

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

the comments column.

Dissolved Oxygen Analysis Log Sheet

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(TIME) → BENDER

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:	2019-069						1								1					No OXY
Event:	92						2		253	3146	8.7	2.455	A	2	253	708	8.7	2.455	B	☺ ☺ ☺
Station:	HECS7						3		254	611	9.3	3.110		3						
Event Date (Local):	7 Aug 19						4		255	3165	12.3	4.975		4						
Analysis Date (Local):	7 Aug 19						5							5					No OXY	
Analyst:	TF						6		257	3175	12.7	5.171	A	6	257	3002	12.7	5.172	B	☺ ☺
Stdization Date (Local):	6 Aug 19						7		258	3190	13.4	5.489		7						
KIO ₃ N:	0.0117854						8		259	3169	14.7	6.847		8						
Standard Titer:	0.4894892						9		260	3162	14.7	7.079		9						
Blank Titer:	0.0006988						10		261	3053	14.8	7.063		10						
THIO N:	0.241005						11	/	/	/	/	/	/	11	/	/	/	/	/	No OXY
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 wine						16							16						
	KIO ₃						17							17						
	THIO						18							18						
Notes:	changed to "new" cleaned MnCl₂ bot top (#10) dispenser - no suck back noticed																			
	253	253	254	255	257	257	258	259	260	261										
	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY										
	HECS7	HECS7	HECS7	HECS7	HECS7	HECS7	HECS7	HECS7	HECS7	HECS7										
	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069										
	Bot 2	Bot 2	Bot 3	Bot 4	Bot 6	Bot 6	Bot 7	Bot 8	Bot 9	Bot 10										

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

Whale

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:	2019-069	1							no oxy	1					
Event:	93	2			265	3074	8.5	2.386		2					
Station:	HECS8	3			266	930	8.6	2.660		3					
Event Date (Local):	7 Aug 19	4			267	3133	10.4	3.800		4					
Analysis Date (Local):	7 Aug 19	5							no oxy	5					
Analyst:	IF	6			269	3103	11.7	4.787		6					
Stdization Date (Local):	6 Aug 19	7			270	3080	12.2	5.003		7					
KIO ₃ N:	0.0117854	8			271A	3101	13.8	6.159	→	8	271B	3079	13.8	6.158	☺☺
Standard Titer:	0.4894892	9			272	3095	14.2	6.618		9					
Blank Titer:	0.0006988	10			273	3142	14.3	6.404		10					
THIO N:	0.241005	11							no oxy	11					
Sample Flask Water Seal?	Yes	12							no oxy	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													
		20			265	266	267	269	270	271A	271B	272	273		
		21			OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
		22			HECS8	HECS8	HECS8	HECS8	HECS8	HECS8	HECS8	HECS8	HECS8		
		23			2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069		
		24			Bot 2	Bot 3	Bot 4	Bot 6	Bot 7	Bot 8	Bot 8	Bot 9	Bot 10		

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



Whale

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:	2019-069	1							1					NO OXY
Event:	104	2	V	370	3074	8.5	2.498		2					
Station:	Chat 3	3		371	3074	8.5	2.695		3					
Event Date (Local):	07 Aug 19	4		372	3133	8.7	2.885		4					
Analysis Date (Local):	9 Aug 19	5							5					NO OXY
Analyst:	TF	6		374	3103	9.7	3.410		6					
Stdization Date (Local):	8 Aug 19	7		375	3080	11.7	4.516	A 11.7 C	7	375	3101	11.8	4.522	B
KIO ₃ N:	0.0118243	8		376	3079	13.1	5.103		8					
Standard Titer:	0.4898749	9		377	3095	13.7	5.592	316 correct flask numbers 377 but "wrong" sample numbers?	9					
Blank Titer:	0.0007081	10		378	3142	14.6	6.890	A	10	378	3084	14.7	6.886	B
THIO N:	0.241582	11		379	3086	16.7	7.484		11					NO OXY
Sample Flask	(Yes)	12							12					NO OXY
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		370	371	372	374	375 A	375 B	377	376	378 A	378 B	379
		21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
		22		CHAT3	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3	CHAT3
		23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
		24		Bot 2	Bot 3	Bot 4	Bot 6	Bot 7	Bot 7	Bot 9	Bot 8	Bot 10	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.

did I just stick the sample in the wrong order???

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:	2019-069						1							1						
Event:	III						2		414	3090	7.6	2.581		2						NO OXY
Station:	CH16						3		415	2094	7.6	2.537		3						
Event Date (Local):	07 Aug 19						4		416	3058	7.9	2.674		4						
Analysis Date (Local):	09 Aug 19						5		417	3000	8.7	3.105		5						
Analyst:	TF						6							6						NO OXY
Stdization Date (Local):	08 Aug 19						7		419	1432	9.5	3.702		7						
KIO ₃ N:	0.0118243						8		420	3180	10.4	4.249	A	8	420	3173	10.5	4.245	B	
Standard Titer:	0.4898749						9		421	458	11.2	4.713		9						
Blank Titer:	0.0007081						10		422	3106	12.5	5.268		10						
THIO N:	0.241582						11		423	3036	13.8	6.438		11						
Sample Flask Water Seal?	(Yes) No						12		424	4116	14.8	7.610		12						
Reagent Change?	MnCl ₂						13	/	/	/	/	/	/	13	/	/	/	/	/	NO OXY
(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						15	/	/	/	/	/	/	15	/	/	/	/	/	
	KIO ₃						16	/	/	/	/	/	/	16	/	/	/	/	/	
	THIO						17	/	/	/	/	/	/	17	/	/	/	/	/	
Notes:							18							18						
							19							19						
							20		414	415	416	417	419	420 A	420 B	421	422	423	424	
							21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
							22		CH16	CH16	CH16	CH16	CH16	CH16	CH16	CH16	CH16	CH16	CH16	
							23		2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	
							24		Bot 2	Bot 3	Bot 4	Bot 5	Bot 7	Bot 8	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	

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

Last Updated: January 2017



Cruise and Analysis Information							Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2019-069						1						
Event:	123						2						
Station:	Chat1						3						
Event Date (Local):	08 Aug 19						4						
Analysis Date (Local):	09 Aug 19						5						
Analyst:	TF						6						
Stdization Date (Local):	08 Aug 19						7						
KIO ₃ N:	0.0118243						8						
Standard Titer:	0.4898749						9						
Blank Titer:	0.0007081						10						
THIO N:	0.241582						11						
Sample Flask Water Seal?	Yes						12						
	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 o	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069	2019-069
	Bot 2	Bot 4	Bot 6	Bot 8	Bot 8	Bot 10	Bot 12	Bot 14	Bot 14	Bot 16