

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



swimming dino

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:	2019-014	1		1	3046	5.2	230		1					
Event:	2	2		2	2089	4.8	2357		2					
Station:	ES03	3		3	371	5.1	1881		3					
Event Date (Local):	15 Jul 2019	4		4	2055	5.2	1541		4					
Analysis Date (Local):	20 Jul 2019	5		5	1094	5.6	1618		5					
Analyst:	CS	6		6	396	5.7	1133		6					
Standardization Date (Local):	20 Jul 2019	7		7	471	6.2	0.263		7					
KIO ₃ N:	0.0117851	8		8	3137	5.9	0.224		8					
Standard Titer:	0.4892	9		9	3049	6.0	0.733		9					
Blank Titer:	0.0005	10		10	A1055	6.1	0.264	=>	10	B1046	6.2	0.239		
THIO N:	0.24011	11		11	2060	6.2	0.387		11					
Sample Flask Water Seal?	Yes	12		12	2068	6.4	0.483		12					
	No	13		13	3059	6.7	0.834		13					
Reagent Change?	MnCl ₂	14		14	3023	7.1	1.092		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		15	505	7.7	1.729		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		16	3057	8.4	2.634		16					
	KIO ₃	17	X	17	3030	8.4	10.179	Came up w spigot open	17					
	THIO	18		18	2065	8.7	5.553		18					
		19		19	3005	11.0	6.632		19					
Notes:		20		20	A1409	14.7	6.591	=>	20	B3194	14.7	6.587		
		21		21	94	16.5	5.981		21					
		22							22					
		23							23					
		24							24					

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

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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:	2019-014	1	✓	23	2099	6.5	0.131		1					
Event:	04	2	✓	24	2049	6.2	0.281		2					
Station:	ES01484	3	✓	25	3032	6.5	0.241		3					
Event Date (Local):	19 JUL 19 545	4	✓	26	3076	6.8	0.514		4					
Analysis Date (Local):	20 JUL 19 656	5	✓	27A	3014	6.9	0.785	⇒	5	27B	3081	7.1	0.792	
Analyst:	CS	6	✓	28	3110	7.3	1.254		6					
Stratization Date (Local):	20 JUL 19 828	7	✓	29	3078	7.7	1.886		7					
KIO ₃ N:	0.0117854	8	✓	30	3131	8.5	2.546		8					
Standard Titer:	0.4842	9	✓	31	3029	9.1	2.914		9					
Blank Titer:	0.0005	10	✓	32	2085	9.4	4.617		10					
THIO N:	0.24091	11	✓	33A	1459	11.3	6.290	⇒	11	33B	620	11.4	6.277	
Sample Flask Water Seal?	Yes	12	✓	34	622	16.3	5.992		12					
	No	13	✓	35	3018	16.9	5.968		13					
Reagent Change?	MnCl ₂	14		36	3018				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					
		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

Notes:

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

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	Flask T 1 (°C)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2019-014	1		38	2087		1550 => 4.8			1		2088	1553	1553	4.9
Event:	09	2								2					
Station:	E506	3		40	3020		1393		4.7	3					
Event Date (Local):	20 Jul 19	4		41	650		0.629		5.2	4					
Analysis Date (Local):	20 Jul 19	5		42	2003		0.350		5.7	5					
Analyst:	CD	6		43	2069		0.273		5.8	6					
Standardization Date (Local):	20 Jul 19	7		44	691		0.239		6.1	7					
KIO ₃ N:	0.0117854	8		45	1314		0.229		6.1	8					
Standard Titer:	0.4872	9		46	425		1.210		6.3	9					
Blank Titer:	0.0005	10		47	1470		0.326 =>		6.4	10				0.328	6.5
THIO N:	0.21091	11		48	3070		0.578		6.8	11					
Sample Flask Water Seal?	Yes	12		49	2040		0.932		7.0	12					
	No	13		50	2035		1.143		7.3	13					
Reagent Change?	MnO ₂	14	X	51	1019		1.802		7.9	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		52	3075		2.636		8.9	15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		53	3200		3.110		9.1	16					
	KIO ₃	17		54	1015		5.802		9.1	17					
	THIO	18		55	1465		6.632		11.9	18					
Notes:		19		56	438		6.121		16.0	19					
		20		57	3008		5.964		16.6	20					
		21								21					
		22								22					
		23								23					
		24								24					

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

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	20A-014	1		58	3074	5.4	2.224		1					
Event:		2							2					
Station:	6807	3		60	930				3					
Event Date (Local):	20 Jun 19	4		61(A)	3133	5.3	1.951	=>	4	61(B)	3103	5.5	1.755	
Analysis Date (Local):	20 Jun 19	5		62	3080	5.6	1.301		5					
Analyst:	CB	6		63	3101	5.8	0.570		6					
Stratization Date (Local):	20 Jun 19	7		64	3098	6.1	0.332		7					
KIO ₃ N:	0.007854	8		65	3079	6.2	0.852		8					
Standard Titer:	0.4892	9		66	3095	6.3	0.737		9					
Blank Titer:	0.0005	10		67	3142	6.5	0.259		10					
THIO N:	0.24091	11		68	3084	6.7	0.268		11					
Sample Flask Water Seal?	Yes No	12		69	3086	6.7	0.391		12					
Reagent Change?	MnCl ₂	13		70	3088	7.0	0.1416		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		71	3089	7.1	0.921	7.3	14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		72	3090	8.1	1.94	7.7	15					
	KIO ₃	16		73	2094	8.5	1.469	8.1	16					
	THIO	17		74	1442	9.0	1.934	8.5	17					
		18		75	3000	9.1	0.545	9.0	18					
		19		76	1422	10.9	5.897	9.1	19					
		20		77	3180	10.9	6.613	10.9	20					
		21		78(A)	3173	15.6	6.403	=>	21	78(B)	458	15.6	6.387	
		22		79	3106	17.1	5.988		22					
		23							23					
		24							24					

Notes:

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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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:	2019-014	1		83	3074	5.0	0.724		1					
Event:	18	2		84	930	5.6	0.254		2					
Station:	ES 16	3		85	3133	5.7	0.320		3					
Event Date (Local):	20 Jul 19	4		86	3103	5.9	0.744		4					
Analysis Date (Local):	24 Jul 19	5		87	3080	6.1	0.472	⇒	5	87	3101	6.2	0.474	
Analyst:	CS	6		88	3098	6.2	0.628		6					
Standardization Date (Local):	20 Jul 19	7		89	3079	6.6	0.816		7					
KIO ₃ N:	0.0117854	8		90	3095	6.9	1.166		8					
Standard Titer:	0.4892	9		91	3142	7.3	1.955		9					
Blank Titer:	0.0005	10		92	3084	8.3	3.006		10					
THIO N:	0.24091	11		93	3086	8.7	3.445		11					
Sample Flask Water Seal?	☒ Yes ☐ No	12		94	3088	9.1	5.006		12					
Reagent Change?	MnCl ₂	13		95	3089	11.1	6.277		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		96	3090	15.4	6.205	⇒	14	96	2094	15.5	6.203	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		97	1442	17.0	5.861	17.0	15					
	KIO ₃	16							16					
	THIO	17							17					
		18							18					
		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

Notes: Voltage doubled from 2.5 → 2.2. Only Noticed After Comparison

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
OXY
ES016
2019-014
Bot 1

84
OXY
ES016
2019-014
Bot 2

85
OXY
ES016
2019-014
Bot 3

86
OXY
ES016
2019-014
Bot 4

A
87
OXY
ES016
2019-014
Bot 5

B
87
OXY
ES016
2019-014
Bot 5

88
OXY
ES016
2019-014
Bot 6

89
OXY
ES016
2019-014
Bot 7

90
OXY
ES016
2019-014
Bot 8

91
OXY
ES016
2019-014
Bot 9

92
OXY
ES016
2019-014
Bot 10

93
OXY
ES016
2019-014
Bot 11

94
OXY
ES016
2019-014
Bot 12

95
OXY
ES016
2019-014
Bot 13

A
96
OXY
ES016
2019-014
Bot 14

B
96
OXY
ES016
2019-014
Bot 14

97
OXY
ES016
2019-014
Bot 15

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Water Properties Group



Turtle

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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: 2019-014		1		98	2099	9.5	1.037		1					
Event: 20		2		99	2049	5.9	0.269		2					
Station: FS17		3		100	3037	5.7	0.234		3					
Event Date (Local): 21 JUL 2019		4		101	3076	5.8	0.317		4					
Analysis Date (Local): 21 Jun 19		5		102	3914	6.1	0.287	⇒	5	102	3061	6.2	0.297	
Analyst: DS		6		103	3110	6.2	0.445		6					
Stdization Date (Local): 20 JUL 2019		7		104	3078	6.5	0.235		7					
KIO ₃ N: 0.0117854		8		105	3131	6.7	1.203		8					
Standard Titer: 0.4893		9		106	3029	7.2	1.917		9					
Blank Titer: 0.0005		10		107	2985	8.1	2.903		10					
THIO N: 0.24011		11		108	1459	8.7	3.587		11					
Sample Flask Water Seal? Yes No		12		109	620	9.0	4.672		12					
Reagent Change? MnCl₂ NaI/NaOH H₂SO₄ KIO₃ THIO		13		110	622	11.1	6.414		13					
(Please circle reagent that was changed prior to sampling and standardization)		14		111	3018	14.7	6.326	⇒	14	111	3048	14.8	6.326	
NOTE NEW BATCH IN LOG BOOK		15		112	3120	16.5	6.006		15					
		16							16					
		17							17					
		18							18					
		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

Notes:

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.

111 OXY ES17 2019-014 Bot 14	107 OXY ES17 2019-014 Bot 10	102 OXY ES17 2019-014 Bot 5	98 OXY ES17 2019-014 Bot 1
112 OXY ES17 2019-014 Bot 15	108 OXY ES17 2019-014 Bot 11	103 OXY ES17 2019-014 Bot 6	99 OXY ES17 2019-014 Bot 2
	109 OXY ES17 2019-014 Bot 12	104 OXY ES17 2019-014 Bot 7	100 OXY ES17 2019-014 Bot 3
	110 OXY ES17 2019-014 Bot 13	105 OXY ES17 2019-014 Bot 8	101 OXY ES17 2019-014 Bot 4
	111 OXY ES17 2019-014 Bot 14	106 OXY ES17 2019-014 Bot 9	102 OXY ES17 2019-014 Bot 5

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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: 2019-014				1		114	2087	4.7	1.102				1									
Event: 27				2		115	2088						2									
Station: ES23				3		116	3020	4.7	1.341				3									
Event Date (Local): 22 Jun 2019				4		117	650	5.2	0.647				4									
Analysis Date (Local): 22 Jun 2019				5		118				N/A			5									
Analyst: DS				6		118	2000	5.7	0.411				6									
Stdization Date (Local): 20 Jun 2019				7		119	2089	6.9	0.290				7									
KIO ₃ N: 0.0117854				8		120	691	6.1	0.225				8									
Standard Titer: 0.4890				9		121	1314	6.2	0.209				9									
Blank Titer: 0.0005				10		122	425	6.4	0.247	⇒			10	122	1470	6.4	0.280					
THIO N: 0.24071				11		123	429	6.7	0.293				11									
Sample Flask Water Seal? Yes				12		124	3070	6.9	0.462				12									
No				13		125	2040	7.1	0.220				13									
Reagent Change? MnCl ₂				14		126	2035	7.4	1.181				14									
(Please circle reagent that was changed prior to sampling and standardization)				15		127	1019	8.0	1.582				15									
H ₂ SO ₄				16		128	3075	8.7	2.513				16									
NOTE NEW BATCH IN LOG BOOK				17		129	3200	9.1	3.153				17									
KIO ₃				18		130	1015	9.6	4.160				18									
THIO				19		131	1465	10.3	5.534				19									
Notes:				20		132	438	16.2	6.000	⇒			20	132	3008	16.4	5.997					
				21	✓	133	2075	17.1	5.885				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.

2019-014
ES23
OXY
131
Bot 19
2019-014
ES23
OXY
132
Bot 20
2019-014
ES23
OXY
133
Bot 21
2019-014
ES23
OXY
134
Bot 22

2019-014
ES23
OXY
125
Bot 12
2019-014
ES23
OXY
126
Bot 13
2019-014
ES23
OXY
127
Bot 14
2019-014
ES23
OXY
128
Bot 15
2019-014
ES23
OXY
129
Bot 16

2019-014
ES23
OXY
130
Bot 17
2019-014
ES23
OXY
131
Bot 18
2019-014
ES23
OXY
132
Bot 19
2019-014
ES23
OXY
133
Bot 20
2019-014
ES23
OXY
134
Bot 21

2019-014
ES23
OXY
121
Bot 9
2019-014
ES23
OXY
122
Bot 10
2019-014
ES23
OXY
123
Bot 11
2019-014
ES23
OXY
124
Bot 12
2019-014
ES23
OXY
125
Bot 13
2019-014
ES23
OXY
126
Bot 14
2019-014
ES23
OXY
127
Bot 15
2019-014
ES23
OXY
128
Bot 16

2019-014
ES23
OXY
129
Bot 17
2019-014
ES23
OXY
130
Bot 18
2019-014
ES23
OXY
131
Bot 19
2019-014
ES23
OXY
132
Bot 20
2019-014
ES23
OXY
133
Bot 21
2019-014
ES23
OXY
134
Bot 22

A

135
OXY
ES21
2019-014
Bot 2

B

135
OXY
ES21
2019-014
Bot 2

A

136
OXY
ES21
2019-014
Bot 3

B

136
OXY
ES21
2019-014
Bot 3

137
OXY
ES21
2019-014
Bot 4

Dissolved Oxygen Analysis Log Sheet
Institute of Ocean Sciences
Water Properties Group



DINOSAUR

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: 2019-014				1										1								
Event: 29				2		135	304	4.5	1.383	=>				2	135	2089	4.5	1.369				
Station: ES21				3		136	371	4.4	1.368	=>				3	136	2055	4.5	1.362				
Event Date (Local): 22 Jul 2017				4		137	1094	4.9	9.200	NOT A GOOD TREATMENT! FOLLOWS SML 840				4								
Analysis Date (Local): 20 Jul 2017				5	*	139	471	5.4	0.223	Sample 138 / Flask 396 -> 0.346				5								
Analyst: CJ				6		140	3137	5.6	0.287					6								
Standardization Date (Local): 20 Jul 2017				7		141	3049	5.8	0.247					7								
KIO ₃ N: 0.2017864				8		142	1055	6.0	0.263					8								
Standard Titer: 6.4810				9		143	1406	6.1	0.352					9								
Blank Titer: 0.0005				10		144	2060	6.3	0.449					10								
THIO N: 0.24041				11		145	2068	6.6	0.701					11								
Sample Flask Water Seal? Yes				12		146	3059	6.9	1.130					12								
Water Seal? No				13		147	3073	7.2	1.119					13								
Reagent Change? MnCl ₂				14		148	5051	7.7	0.771					14								
(Please circle reagent that was changed prior to sampling and standardization)				15		149	3051	8.4	3.002					15								
H ₂ SO ₄				16		150	3030	9.1	3.911					16								
NOTE NEW BATCH IN LOG BOOK				17		151	2065	9.4	5.525					17	151 3008							
				18		152	1409	10.4	6.324	b				18	151	3005	10.5	5.513				
Notes:				19		153	3194	11.5	—					19								
				20		153	3194	16.9	5.954					20								
				21										21								
				22										22								
				23										23								

B

A

138
OXY
ES21
2019-014
Bot 5

139
OXY
ES21
2019-014
Bot 5

140
OXY
ES21
2019-014
Bot 5

141
OXY
ES21
2019-014
Bot 5

142
OXY
ES21
2019-014
Bot 5

143
OXY
ES21
2019-014
Bot 5

144
OXY
ES21
2019-014
Bot 5

145
OXY
ES21
2019-014
Bot 5

146
OXY
ES21
2019-014
Bot 5

147
OXY
ES21
2019-014
Bot 5

148
OXY
ES21
2019-014
Bot 5

149
OXY
ES21
2019-014
Bot 5

150
OXY
ES21
2019-014
Bot 5

151
OXY
ES21
2019-014
Bot 5

151
OXY
ES21
2019-014
Bot 5

151
OXY
ES21
2019-014
Bot 5

152
OXY
ES21
2019-014
Bot 5

153
OXY
ES21
2019-014
Bot 5

155

OXY

ES15

2019-014

Bot 2

156

OXY

ES15

2019-014

Bot 3

157 A

OXY

ES15

2019-014

Bot 4

157 B

OXY

ES15

2019-014

Bot 4

158

OXY

ES15

2019-014

Bot 5

159

OXY

ES15

2019-014

Bot 6

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: 2019-014				1							1						
Event: 33				2		155	3074	4.6	1.768		2						
Station: ES15				3		156	930	4.3	1.903		3						
Event Date (Local): 22 July 2019				4		157	3133	4.5	1.336	⇒	4	157	3103	4.6	1.328		
Analysis Date (Local): 23 July 2019				5		158	3080	5.2	0.657		5						
Analyst: 0				6		159	3101	5.1	0.346		6						
Standardization Date (Local): 23 July 2019				7		160	3098	5.8	0.271		7						
KIO ₃ N: 20117864				8		161	3079	5.9	0.229		8						
Standard Titer: 0.890				9		162	3095	6.0	0.227		9						
Blank Titer: 0.0005				10		163	3142	6.2	0.249		10						
THIO N: 0.24102				11		164	3084	6.4	0.314		11						
Sample Flask Water Seal? ☒ Yes ☐ No				12		165	3086	6.6	0.478		12						
Reagent Change? MnCl ₂				13		166	3088	6.8	0.798		13						
(Please circle reagent that was changed prior to sampling and standardization)				14		167	3089	7.2	1.440		14						
NOTE NEW BATCH IN LOG BOOK				15		168	3090	7.8	0.084		15						
				16		169	2094	8.0	2.891		16						
				17		170	1442	9.2	3.262		17						
				18		171	3000	9.6	4.915		18						
				19		172	1422	10.9	6.610		19						
				20		173	3180	15.3	6.379	⇒	20	173	3173	15.5	6.386		
				21		174	458	17.0	5.978		21						
				22							22						

Notes:

173 A

174

OXY

ES15

2019-014

Bot 20

173 B

174

OXY

ES15

2019-014

Bot 20

172

OXY

ES15

2019-014

Bot 18

170

OXY

ES15

2019-014

Bot 17

169

OXY

ES15

2019-014

Bot 16

168

OXY

ES15

2019-014

Bot 15

167

OXY

ES15

2019-014

Bot 14

166

OXY

ES15

2019-014

Bot 13

165

OXY

ES15

2019-014

Bot 12

164

OXY

ES15

2019-014

Bot 11

163

OXY

ES15

2019-014

Bot 10

162

OXY

ES15

2019-014

Bot 9

161

OXY

ES15

2019-014

Bot 8

160

OXY

ES15

2019-014

Bot 7

175

OXY

ES24

2019-014

Bot 1

176

OXY

ES24

2019-014

177

OXY

ES24

2019-014

Bot 2

178

OXY

ES24

2019-014

Bot 3

179

OXY

ES24

2019-014

Bot 4

180

OXY

ES24

2019-014

Bot 5

181

OXY

ES24

2019-014

Bot 6

182

OXY

ES24

2019-014

Bot 7

183

OXY

ES24

2019-014

Bot 8

184

OXY

ES24

2019-014

Bot 9

185

OXY

ES24

2019-014

Bot 10

186

OXY

ES24

2019-014

Bot 11

187

OXY

ES24

2019-014

Bot 12

188

OXY

ES24

2019-014

Bot 13

189

OXY

ES24

2019-014

Bot 14

190

OXY

ES24

2019-014

Bot 15

191

OXY

ES24

2019-014

Bot 16

192

OXY

ES24

2019-014

Bot 17

193

OXY

ES24

2019-014

Bot 18

194

OXY

ES24

2019-014

Bot 19

195

OXY

ES24

2019-014

Bot 20

196

OXY

ES24

2019-014

Bot 21

197

OXY

ES24

2019-014

Bot 22

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group



PINOASAL

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: 2019-014				1		175	3046	4.3	2283		1					
Event: 35				2		176	2089	4.0	2266 =>		2	176	37191		2261	
Station: ES24				3		177	2055	4.2	1913		3					
Event Date (Local): 23 July 2019				4		178	1094	4.4			4					
Analysis Date (Local): 23 July 2019				5		179	396	5.0	0.54		5					
Analyst: CP				6		180	471	5.4	0.393		6					
Standardization Date (Local): 23 July 2019				7		181	3137	5.7	0.282		7					
KIO ₃ N: 0.0117854				8		182	3049	5.8	0.239		8					
Standard Titer: 0.4890				9		183	1055	5.9	0.766		9					
Blank Titer: 0.0005				10		184	1406	6.1	0.303		10					
THIO N: 0.24102				11		185	2060	6.3	0.324		11					
Sample Flask Water Seal? Yes				12		186	2068	6.5	0.425		12					
No				13		187	3059	6.8	0.685		13					
Reagent Change? MnCl ₂				14		188	3073	7.2	1.19		14					
(Please circle reagent that was changed prior to sampling and standardization)				15		189	505	7.0	1.825		15					
H ₂ SO ₄				16		190	3057	8.5	2.826		16					
NOTE NEW BATCH IN LOG BOOK				17		191	3030	9.1	3.069	=>	17	191	2065	9.2	3.021	
				18		192	3005	9.5	4.583		18					
				19		193	1409	15.6	6.277		19					
				20		194	3194	16.6	5.935		20					
				21		195	94	bottle	not tripped		21					
				22							22					

Notes:

179

OXY

ES24

2019-014

Bot 5

180

OXY

ES24

2019-014

Bot 6

181

OXY

ES24

2019-014

Bot 7

182

OXY

ES24

2019-014

Bot 8

183

OXY

ES24

2019-014

Bot 9

184

OXY

ES24

2019-014

Bot 10

185

OXY

ES24

2019-014

Bot 11

186

OXY

ES24

2019-014

Bot 12

187

OXY

ES24

2019-014

Bot 13

188

OXY

ES24

2019-014

Bot 14

189

OXY

ES24

2019-014

Bot 15

190

OXY

ES24

2019-014

Bot 16

191

OXY

ES24

2019-014

Bot 17

192

OXY

ES24

2019-014

Bot 18

193

OXY

ES24

2019-014

Bot 19

194

OXY

ES24

2019-014

Bot 20

195

OXY

ES24

2019-014

Bot 21

196

OXY

ES24

2019-014

Bot 22

196
OXY
ES13

Dissolved Oxygen Analysis Log Sheet



Last Updated: July 2018

2019-014
Bot 1

197
OXY
ES13

2019-014
Bot 20

198
OXY
ES13

2019-014
Bot 3

199
OXY
ES13

2019-014
Bot 4

200
OXY
ES13

2019-014
Bot 5

201
OXY
ES13

2019-014
Bot 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: 2019-014				1		196	209	4.5	1.214		1					
Event: 37				2		197	2049	4.4	1.346		2					
Station: ES 13				3		198	3037	5.0	0.608		3					
Event Date (Local): 23 July 19				4		199	3076	5.2	0.388		4					
Analysis Date (Local): 23 July 19				5		200	3019	5.7	0.222		5					
Analyst: AS				6		201	3081	5.7	0.235		6					
Stdization Date (Local): 23 July 19				7		202	3110	6.0	0.220		7					
KIO ₃ N: 0.0117851				8		203	3078	6.1	0.144		8					
Standard Titer: 0.4860				9		204	3131	6.3	0.446		9					
Blank Titer: 0.0000				10		205	3029	6.6	0.485	=7	10	205	2085	6.7	0.691	
THIO N: 0.24102				11		206	620	6.9	0.686		11					
Sample Flask Water Seal? (Yes)				12		207	622	7.0	1.778	7.9	12					
No				13		208	3018	7.5	0.704	7.3	13					
Reagent Change? MnCl ₂				14		209	3048	8.4	0.294		14					
(Please circle reagent that was changed prior to sampling and standardization)				15		210	3120	8.9	3.388		15					
NOTE NEW BATCH IN LOG BOOK				16		211	3041	9.2	4.693		16					
				17		212	3155	10.2	6.159		17					
				18		213	3044	15.9	6.129		18					
				19		214	1311	16.6	6.091	=7	19	214	3111	16.7	6.047	
Notes:				20							20					
				21							21					
				22							22					

201 OXY ES13	202 OXY ES13	203 OXY ES13	204 OXY ES13	205 OXY ES13	206 OXY ES13	207 OXY ES13	208 OXY ES13	209 OXY ES13	210 OXY ES13	211 OXY ES13	212 OXY ES13	213 OXY ES13	214 OXY ES13	214 OXY ES13	214 OXY ES13
2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014	2019-014
Bot 6	Bot 7	Bot 8	Bot 9	Bot 10	Bot 11	Bot 12	Bot 13	Bot 14	Bot 15	Bot 16	Bot 17	Bot 18	Bot 19	Bot 19	Bot 19

215
OXY
UN10

2019-014
Bot 1

216
OXY
UN10

2019-014
Bot 2

217
OXY
UN10

2019-014

218
OXY
UN10

2019-014

Bot 4

219
OXY
UN10

2019-014

Bot 5

220
OXY
UN10

2019-014
Bot 6

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:	2019-014			1		215	3074	4.9	6.94		1					
Event:	40			2		216	930	5.2	0.401		2					
Station:	UN10			3		217	3433	5.4	0.382		3					
Event Date (Local):	23 JUL 19			4		218	3103	5.7	0.261		4					
Analysis Date (Local):	25 JUL 19			5		219	3080	5.8	0.253		5					
Analyst:	OS			6		220	3011	5.9	0.261		6					
Stdization Date (Local):	25 JUL 19			7		221	3048	6.3	0.333		7					
KIO ₃ N:	0.017854			8		222	3079	6.5	0.446	⇒	8	222	3045	6.5	0.437	
Standard Titer:	0.4887			9		223	3142	6.7	0.657		9					
Blank Titer:	0.0055			10		224	3084	6.9	1.143		10					
THIO N:	0.241003			11		225	3066	7.3	1.251		11					
Sample Flask Water Seal?	Yes			12		226	3088	8.2	2.937	⇒	12	226	3081	8.3	2.945	
Reagent Change?	MnCl ₂			13		227	3040	9.0	3.077		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			14		228	2044	9.1	4.843		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			15		229	1442	10.2	5.920		15					
	KIO ₃			16		230	3000	13.9	6.682		16					
	THIO			17		231	1422	16.8	6.004		17					
				18		232	3180	5.7	0.609		18					
				19							19					
				20							20					
				21							21					
				22							22					

Notes:

A

221	OXY	UN10	2019-014	Bot 7
222	OXY	UN10	2019-014	Bot 8
223	OXY	UN10	2019-014	Bot 9
224	OXY	UN10	2019-014	Bot 10
225	OXY	UN10	2019-014	Bot 11
226	OXY	UN10	2019-014	Bot 12
227	OXY	UN10	2019-014	Bot 13
228	OXY	UN10	2019-014	Bot 14
229	OXY	UN10	2019-014	Bot 15
230	OXY	UN10	2019-014	Bot 16
231	OXY	UN10	2019-014	Bot 17
232	OXY	UN10	2019-014	Bot 18

232

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OXY

UN10

2019-014

Bot 19

234

OXY

ES10

2019-014

Bot 1

235

OXY

ES10

2019-014

Bot 2

236

OXY

ES10

2019-014

Bot 3

237

OXY

ES10

2019-014

Bot 4

238

OXY

ES10

2019-014

Bot 5

239

OXY

ES10

2019-014

Bot 6

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



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: 2019-014				1	✓	234	3046	4.5	—	SAMPLE DID NOT GET PROPERLY SHAKED	1	→	1406	6.1	0.242			
Event: 43				2		235	2089	4.2	236			2						
Station: ES10				3		236	37	4.3	198			3						
Event Date (Local): 24 JUL 19				4		237	2055	4.6	635			4						
Analysis Date (Local): 25 JUL 19				5		238	1094	5.2	0.615		5							
Analyst: CS				6		239	396	5.6	0.334		6							
Stdization Date (Local): 25 JUL 19				7	X	240	471	5.8	0.259	Vent was open	7							
KIO ₃ N: 0.2012854				8		241	3137	5.9	0.245			8						
Standard Titer: 0.08889				9	✓	242	3049	6.1	0.225			9						
Blank Titer: 0.0005				10		243	1055	6.3	0.248		=>	10	243	1406	6.1	0.242		
THIO N: 0.241001				11		244	2060	6.4	0.326		11							
Sample Flask Water Seal? Yes				12		245	2068	6.6	0.518		12							
No				13		246	3059	6.8	0.821		13							
Reagent Change? MnCl ₂				14		247	3073	7.1	1.461		14							
(Please circle reagent that was changed prior to sampling and standardization)				15		248	505	7.7	0.287		15							
H ₂ SO ₄				16		249	3057	8.6	3.651		16							
NOTE NEW BATCH IN LOG BOOK				17		250	3030	8.9	4.086		17							
KIO ₃				18		251	2065	9.3	5.452		18							
THIO				19		252	3005	10.9	6.449	=>	19	252	1409	10.9	6.452			254
Notes:				20		253	3194	15.8	6.180		20							OXY
				21		254	94	16.8	5.992		21							ES10
				22							22							ES10

239	OXY	ES10	2019-014	Bot 6	240	OXY	ES10	2019-014	Bot 7	241	OXY	ES10	2019-014	Bot 8	242	OXY	ES10	2019-014	Bot 9	243 A	OXY	ES10	2019-014	Bot 10	243 B	OXY	ES10	2019-014	Bot 11	244	OXY	ES10	2019-014	Bot 12	245	OXY	ES10	2019-014	Bot 13	246	OXY	ES10	2019-014	Bot 14	247	OXY	ES10	2019-014	Bot 15	248	OXY	ES10	2019-014	Bot 16	249	OXY	ES10	2019-014	Bot 17	250	OXY	ES10	2019-014	Bot 18	251	OXY	ES10	2019-014	Bot 19	252 A	OXY	ES10	2019-014	Bot 20	252 B	OXY	ES10	2019-014	Bot 21	253	OXY	ES10	2019-014	Bot 22
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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: July 2018

Turtle

Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2019-014				1		255	2099	6.5	0.210		1					
Event: 47				2		256	2099	6.7	0.214		2					
Station: UNA				3		257	3037	6.9	0.350		3					
Event Date (Local): 25 JUL 19				4		258	3046	7.0	0.528		4					
Analysis Date (Local): 26 JUL 19				5		259	3014	7.0	0.715		5					
Analyst: CB				6		260	3081	7.4	1.527		6					
Standardization Date (Local): 25 JUL 19				7		261	3110	7.9	0.620		7					
KIO ₃ N: 0.0117854				8		262	3028	8.9	3.900		8	262	3028			
Standard Titer: 0.41865				9		263	3028	8.9	4.525		9	263	3028	8.9	4.525	
Blank Titer: 0.0005				10		264	285	10.1	6.37		10					
THIO N: 0.291029				11		265	1459	12.2	6.701		11					
Sample Flask Water Seal? Yes				12		266	AL20	18.5	5.848		12	266	622	18.5	5.848	
Reagent Change? MnCl ₂				13		267	3118	18.9	5.806		13					
(Please circle reagent that was changed prior to sampling and standardization)				14							14					
NOTE NEW BATCH IN LOG BOOK				15							15					
				16							16					
				17							17					
				18							18					
				19							19					
				20							20					
				21							21					
				22							22					

Notes:

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

255
OXY
UN01
2019-014
Bot 22

256
OXY
UN01
2019-014
Bot 23

257
OXY
UN01
2019-014
Bot 24

258
OXY
UN01
2019-014
Bot 45

259
OXY
UN01
2019-014

260
OXY
UN01
2019-014
Bot 27

261 OXY UN01 2019-014 Bot 48
262 OXY UN01 2019-014 Bot 49
263 A OXY UN01 2019-014 Bot 50
263 B OXY UN01 2019-014 Bot 51
264 OXY UN01 2019-014 Bot 20
265 OXY UN01 2019-014 Bot 12/1
266 A OXY UN01 2019-014 Bot 12/2
266 B OXY UN01 2019-014 Bot 12/3
267 OXY UN01 2019-014 Bot 13/4

268

OXY

UN06

2019-014

Bot 1

269

OXY

UN06

2019-014

Bot 2

270

OXY

UN06

2019-014

Bot 3

271

OXY

UN06

2019-014

Bot 4

272

OXY

UN06

2019-014

273

OXY

UN06

2019-014

Bot 6

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group



Last Updated: July 2018

Bird

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: 2019-014				1		268	2087	4.7	2.081			1						
Event: 49				2		269	2088	4.6	1.910			2						
Station: UN06				3		270	3020	4.9	1.356			3						
Event Date (Local): 25 Jul 19				4		271	650	5.4	0.615			4						
Analysis Date (Local): 26 Jul 19				5		272	2000	5.7	0.348			5						
Analyst: OS				6		273	2069	5.9	0.287			6						
Standardization Date (Local): 25 Jul 19				7		274	691	6.1	0.234			7						
KIO ₃ N: 0.0117854				8		275	1314	6.2	0.725	→		8	275B	425	6.3	0.213		
Standard Titer: 0.4889				9		276	1470	6.3	0.288			9						
Blank Titer: 0.0005				10		277	429	6.6	0.393			10						
THIO N: 0.291009				11		278	3070	6.7	0.654			11						
Sample Flask Water Seal? Yes				12		279	2040	7.0	1.113	→		12	279B	2035	7.0	1.115		287 OXY UN06 2019-014 Bot 20
Reagent Change? No				13		280	1011	7.4	1.641			13						
(Please circle reagent that was changed prior to sampling and standardization)				14		281	3075	8.2	2.563			14						
NOTE NEW BATCH IN OG BOOK				15		282	3200	9.3	3.927			15						
				16		283A	1015	9.1	4.94	→		16	283B	1465	9.3	4.953		
				17		284	438	10.4	6.175			17						
				18		285	3008	11.5	6.536			18						286 OXY UN06 2019-014 Bot 19
				19		286A	2075	16.2	6.606	→		19	286B	3108	16.3	6.615		
				20		287	2090	18.8	5.773			20						
				21								21						
				22								22						
				23								23						

Notes:

274	OXY	UN06	2019-014	Bot 7	275A	OXY	UN06	2019-014	Bot 8	276	OXY	UN06	2019-014	Bot 9	277	OXY	UN06	2019-014	Bot 10	278	OXY	UN06	2019-014	Bot 11	279A	OXY	UN06	2019-014	Bot 12	279B	OXY	UN06	2019-014	Bot 13	280	OXY	UN06	2019-014	Bot 14	281	OXY	UN06	2019-014	Bot 15	282	OXY	UN06	2019-014	Bot 16	283A	OXY	UN06	2019-014	Bot 17	284	OXY	UN06	2019-014	Bot 18	285	OXY	UN06	2019-014	Bot 19	286	OXY	UN06	2019-014	Bot 20
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OXY

SP01

2019-014

Bot 1

284

OXY

SP01

2019-014

Bot 2

285

OXY

SP01

2019-014

Bot. 3

286

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SP01

2019-014

Bot. 4

287

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SP01

2019-014

Bot.

288

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SP01

2019-014

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Dissolved Oxygen Analysis Log Sheet

**Institute of Ocean Sciences
Water Properties Group**



Last Updated: July 2018

Cruise and Analysis Information			Nisk		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:	2019-011		1		283	304	6.4	0.78		1					
Event:	S1		2		284	2089	6.5	0.782		2					
Station:	800		3		285	371	6.7	0.343		3					
Event Date (Local):	26 Jul 19		4		286	2055	6.8	0.615		4					
Analysis Date (Local):	26 Jul 19		5		287	1094	6.9	1.094		5					
Analyst:	CS		6		288	396	7.3	1.554		6					
Sidization Date (Local):	25 Jul 19		7		289	471	8.1	2.484		7					
KIO ₃ N:	0.0117854		8		290	3137	9.1	3.357		8	290	3049	9.1	3.340	⇒
Standard Titer:	0.4885		9		291	1058	9.2	4.198		9					
Blank Titer:	0.0005		10		292	406	9.7	6.023		10					
THIO N:	0.241009		11		293	200	12.3	6.706		11					
Sample Flask Water Seal?	Yes		12		294	2068	17.5	6.130	⇒	12	294	3089	17.5	6.134	
	No		13	✓	295	3073	18.8	5.883		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					

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

296

OXY

SP02

019-014

Bot 1

297

OXY

SP02

2019-014

Bot 2

298

OXY

SP02

2019-014

Bot 3

299

OXY

SP02

2019-014

Bot 4

300

OXY

SP02

2019-014

Bot 5

301

OXY

SP02

2019-014

Bot 6

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



RESOSAR

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: 2019-014				1		296	3046	5.5	2.101		1					
Event: SS				2		297	2089	5.4	1.845		2					
Station: SP02				3		298	371	5.6	1.272		3					
Event Date (Local): 26 Jun 19				4	X	299	2055	5.9	0.610	vent not quite tight enough	4					
Analysis Date (Local): 27 Jun 19				5		300	1094	6.1	0.375		5					
Analyst: CS				6		301	3916	6.2	0.788		6					
Standardization Date (Local): 27 Jun 19				7		302	471	6.4	0.333		7					
KIO ₃ N: 0.011854				8		303	3137	6.4	0.291		8					
Standard Titer: 0.4885				9		304	1854	6.5	0.764		9	304B	1055	6.6	0.762	
Blank Titer: 0.0007				10		305	1406	6.7	0.353		10					
THIO N: 0.04123				11		306	2060	6.7	0.609		11					
Sample Flask Water Seal? Yes				12		307	2068	7.2	0.774		12					
Water Seal? No				13		308	5059	7.6	1.539		13					
Reagent Change? MnCl ₂				14		309	3073	8.1	2.593		14					
(Please circle reagent that was changed prior to sampling and standardization)				15		310A	505	9.3	3.341		15	310B	3057	9.3	3.338	
NOTE NEW BATCH IN LOG BOOK				16		311	3030	9.7	3.361		16					
				17		312	2065	9.7	5.819		17					
				18		313	3005	13.3	6.975		18					
				19		314	1409	18.2	5.902		19					
				20		315	3194	18.7	5.794		20					
				21							21					
				22							22					

Notes:

301	OXY	SP02	2019-014	Bot 6	302	OXY	SP02	2019-014	Bot 7	303	OXY	SP02	2019-014	Bot 8	304	OXY	SP02	2019-014	Bot 9
304	OXY	SP02	2019-014	Bot 10	305	OXY	SP02	2019-014	Bot 11	306	OXY	SP02	2019-014	Bot 12	307	OXY	SP02	2019-014	Bot 13
308	OXY	SP02	2019-014	Bot 14	309	OXY	SP02	2019-014	Bot 15	310A	OXY	SP02	2019-014	Bot 16	311	OXY	SP02	2019-014	Bot 17
312	OXY	SP02	2019-014	Bot 18	313	OXY	SP02	2019-014	Bot 19	314	OXY	SP02	2019-014	Bot 20	315	OXY	SP02	2019-014	Bot 21

316
OXY
HS03

019-014
Bot 1

317
OXY
HS03

2019-014
Bot 2

318
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Bot 3

318
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2019-014
Bot 3

319
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Bot 4

320
OXY
HS03

2019-014
Bot 5

Dissolved Oxygen Analysis Log Sheet
Institute of Ocean Sciences
Water Properties Group



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: 2019-014				1		316	3094	5.1	1.182		1					
Event: 57				2		317	930	5.0	1.313		2					
Station: HS 03				3		318	3133	5.5	0.132	=>	3	318	3103	5.6	0.162	
Event Date (Local): 27 Jul 19				4		319	3080	5.8	0.361		4					
Analysis Date (Local): 27 Jul 19				5		320	3104	6.0	0.280		5					
Analyst: CS				6		321	3098	6.1	0.207		6					
Standardization Date (Local): 27 Jul 19				7		322	3079	6.3	0.231		7					
KIO ₃ N: 0.0117854				8		323	3095	6.5	0.238		8					
Standard Titer: 0.4885				9		324	3142	6.7	0.399		9					
Blank Titer: 0.0007				10		325	3084	6.9	0.467		10					
THIO N: 0.21123				11		326	3086	7.1	0.809		11					
Sample Flask Water Seal? Yes				12		327	3088	7.5	1.287		12					
No				13		328	3089	8.1	2.151		13					
Reagent Change? MnCl ₂				14		329	3090	9.0	3.373		14					
(Please circle reagent that was changed prior to sampling and standardization)				15		330	2094	9.3	3.914		15					
NOTE NEW BATCH IN LOG BOOK				16		331	1442	9.7	6.042		16					
				17		332	3000	11.9	6.625		17					
				18		333	1427	16.6	6.282	=>	18	333	3180	16.7	5.913	(YIKES)
				19		334	3173	18.0	4.799		19					
				20							20					
				21							21					
				22							22					

Notes:

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Bot 5

321
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Bot 5

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Bot 6

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Bot 7

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Bot 14

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group



Last Updated: July 2018

Cruise and Analysis Information				Nisk ID	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: 2019-014				1	335	2087			did not fire				1									
Event: 59				2	336	2088	6.3	0.231					2									
Station: HS01				3	337	3020	6.2	0.232					3									
Event Date (Local): 27 Jun 19				4	338	650	6.2	0.324					4									
Analysis Date (Local): 27 Jun 19				5	339	2000	6.5	0.449					5									
Analyst: CJ				6	340	2069	6.7	0.868	=>				6	340	691	6.8	0.844					
Stratization Date (Local): 27 Jun 19				7	341	1314	7.1	1.413					7									
KIO ₃ N: 0.017854				8	342	425	7.7	2.176					8									
Standard Titer: 0.4885				9	343	1470	8.4	3.375					9									
Blank Titer: 0.0007				10	344	429	8.8	3.945					10									
THIO N: 0.24123				11	345	3070	9.1	5.935					11									
Sample Flask Water Seal? Yes				12	346	2040	11.7	6.676					12									
Reagent Change? No				13	347	2035	16.4	6.242	=>				13									
(Please circle reagent that was changed prior to sampling and standardization)				14	348	1019	17.8	5.860					14	348	3075	17.8	5.865					
NOTE NEW BATCH IN LOG BOOK				15									15									
				16									16									
				17									17									
				18									18									
				19									19									
				20									20									
				21									21									
				22									22									

te column if either fails the integrity check and explain this in the comments column.