

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022-008			1	✓	1	161	9.6	2.752		1					
Event:	2			2	✓	2A	162	9.7	2.855	OXYMETER / MESSY CURVE	2	2B	163	9.8	2.913	
Station:	Har059			3	✓	3	164	9.9	2.985		3					
Event Date (Local):	2022-08-10			4	✓	4	165	10.1	3.086		4					
Analysis Date (Local):	13.08.22			5	✓	5	166	10.3	3.494		5					
Analyst:	MG			6							6					
Standardization Date (Local):	13.08.22			7	✓	7	167	10.9	3.546		7					
KIO ₃ N:	0.0118217			8	✓	8	168	11.4	3.986		8					
Standard Titer:	0.4808782			9	✓	9	169	11.9	4.103		9					
Blank Titer:	0.000476			10	✓	10A	170	12.1	4.169		10B	171	12.2	4.165		
THIO N:	0.245753			11	✓	11	172	12.5	4.347		11					
Sample Flask Water Seal?	Yes			12	✓	12	173	12.7	4.472		12					
Reagent Changer?	MnCl ₂			13							13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/MeOH			14							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			15							15					
	KIO ₃			16							16					
	THIO			17							17					
				18							18					
				19							19					
				20							20					
				21							21					
				22							22					

Notes:

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1

OXY

2A

OXY

2B

OXY

3

OXY

4

OXY

5

OXY

7

OXY

8

OXY

9

OXY

10A

OXY

10B

OXY

11

OXY

12

OXY

2022-008

Bot-5 m

200 m

bot 2

2022-008

200 m

bot 2

2022-008

150 m

bot 3

2022-008

100 m

bot 3

2022-008

75 m

bot 3

2022-008

50 m

bot 3

2022-008

30 m

bot 8

2022-008

20 m

bot 9

2022-008

10 m

bot 10

2022-008

10 m

bot 10

2022-008

5 m

bot 12

2022-008

0 m

bot 14

in the comments column.

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Cruise and Analysis Information				Nisk ID	Nisk Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Nisk Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022-008			1	16	175	-7.8	1.794		1					
Event:	5			2	17	176	-7.9	1.805		2					
Station:	JF2			3	18	177	-7.9	1.811		3					
Event Date (Local):	2022-08-11			4	19	178	-8.1	2.422		4					
Analysis Date (Local):	13.08.22			5	20A	179	-8.3	2.970	→	5	20B	180	-8.4	2.967	
Analyst:	MS			6	21	181	-8.8	2.583		6					
Standardization Date (Local):	13.08.22			7						7					
KIO ₃ N:	0.0118217			8	23	182	-9.1	2.679		8					
Standard Titer:	0.4588782			9	24	183	-9.4	2.961		9					
Blank Titer:	0.000476			10	25A	184	-9.6	3.169	→	10	25B	185	-9.7	3.169	
THIO N:	0.245753			11	26	186	-10.3	3.735		11					
Sample Flask Water Seal?	Yes			12	27	187	-11.1	4.866		12					
	No			13	28	188	-11.4	5.082		13					
Reagent Change?	MnCl ₂			14	29	189	-11.4	5.154		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/MgOH			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					

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16	OXY	JF2	2022-008	16	OXY	JF2	2022-008	17	OXY	JF2	2022-008	18	OXY	JF2	2022-008	19	OXY	JF2	2022-008	20A	OXY	JF2	2022-008	20B	OXY	JF2	2022-008	21	OXY	JF2	2022-008	23	OXY	JF2	2022-008	24	OXY	JF2	2022-008	25A	OXY	JF2	2022-008	25B	OXY	JF2	2022-008	26	OXY	JF2	2022-008	27	OXY	JF2	2022-008	28	OXY	JF2	2022-008	29	OXY	JF2	2022-008
Bot-10 m				150 m				125 m				100 m				80 m				80 m				60 m				50 m				40 m				30 m				30 m				20 m				10 m				5 m				0 m							
bot 1				bot 2				bot 3				bot 4				bot 5				bot 5				bot 6				bot 8				bot 9				bot 10				bot 11				bot 12				bot 13				bot 14				bot 15							

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Cruise and Analysis Information					Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022-008				1	✓	32	1409	7.6	1.225		1					
Event:	9				2	✓	33A	3057	9.1	8.188		2	33B	639	9.2	8.141	
Station:	P1				3	✓	34	3037	12.1	6.134		3					
Event Date (Local):	2022-08-11				4							4					
Analysis Date (Local):	13/08/22				5							5					
Analyst:	NG				6							6					
Standardization Date (Local):	13/08/22				7							7					
KIO ₃ N:	0.0118217				8							8					
Standard Titer:	0.4808782				9							9					
Blank Titer:	0.000476				10							10					
THIO N:	0.245753				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:	EVA PORATED 31				19							19					
					20							20					
					21							21					
15 - Moose.xlsx					22							22					
32	33A	33B	34		23							23					
OXY	OXY	OXY	OXY		24							24					

er 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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32	33A	33B

OXY	OXY	OXY
-----	-----	-----

P1
P1
P1
P1

2022-008	2022-008	2022-008
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Bot-10 m	30 m	30 m
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bot 1	bot 2	bot 2
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34

oxy

P1

2022-008

53

bot 3

Dissolved Oxygen Analysis Log Sheet

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Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022-008	1	✓	50	✓	969	7.6	1.63			1					
Event:	15	2	✓	51	✓	510	7.7	1.311			2					
Station:	P2	3	✓	52	✓	1401	8.3	3.496			3					
Event Date (Local):	2022-08-11	4	✓	53	✓	3002	8.3	3.461			4					
Analysis Date (Local):	13.08.22	5	✓	54A	✓	3421	8.3	4.752	3137	NEED TO CHANGE 10 box	5	54B	951	8.3	4.752	
Analyst:	MG	6	✓	55	✓	3081	9.2	5.239			6					
Standardization Date (Local):	13.08.22	7	✓	56	✓	20	10.8	5.413			7					
KIO ₃ N:	0.0118217	8	✓	57	✓	569	15.4	6.379			8					
Standard Titer:	0.4808782	9									9					
Blank Titer:	0.006476	10									10					
THIO N:	0.245753	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:	EVAPORATED?	19									19					
		20									20					
		21									21					
		22									22					

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50

OXY

51

OXY

52

OXY

53

OXY

54A

OXY

54B

OXY

55

OXY

56

OXY

57

OXY

2022-008

Bot-10 m

bot 1

2022-008

100 m

bot 2

2022-008

75 m

bot 3

2022-008

75 m

bot 4

2022-008

50 m

bot 5

2022-008

50 m

bot 6

2022-008

25 m

bot 7

2022-008

10 m

bot 8

2022-008

5 m

bot 9

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



Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments		Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2022-008	1		68A	970	5.2	0.513	→				1	68B	971	5.2	0.510		
Event:	18	2		69	972	5.4	0.429					2						
Station:	P4	3		70	973	5.4	0.416					3						
Event Date (Local):	2022-08-12	4		71	974	5.8	0.227					4						
Analysis Date (Local):	14/08/22	5		72	975	6.2	0.265					5						
Analyst:	MS	6		73A	976	6.5	0.490	→				6	73B	977	6.5	0.491		
Stratification Date (Local):	13/08/22	7		74	978	7.1	1.014					7						
KIO ₃ N:	0.0118217	8		75	979	7.4	—			For GOS to ASD HS OOPS!		8						
Standard Titer:	0.4808762	9		76	980	7.8	1.730					9						
Blank Titer:	0.000476	10		77	981	8.0	1.942					10						
THIO N:	0.245753	11		78	982	8.2	2.324					11						
Sample Flask Water Seal?	Yes	12		79	983	8.3	3.035					12						
	No	13		80A	984	8.5	3.096	→				13	80B	985	8.5	3.096		
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		81	986	8.5	3.615					14						
	NaI/NaOH	15		82	987	8.8	4.467					15						
	H ₂ SO ₄	16		83	988	8.9	6.067					16						
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		84	989	9.9	6.626	→				17						
	THIO	18		85A	990	12.2	6.422	→				18	85B	991	12.3	6.424		
Notes:		19		86	992	15.1	6.315					19						
		20										20						
		21										21						
		22										22						

14 - Chicken & Egg.xlsx

68A	68B	69	70	71	72	73A	73B	74	75	76	77	78	79	80A	80B	81
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4
2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008
Bot-10 m	Bot-10 m	1250 m	1250 m	1000 m	800 m	600 m	600 m	400 m	300 m	250 m	200 m	175 m	150 m	125 m	125 m	100 m
bot 1		bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9							bot 10

Dissolved Oxygen Analysis Log Sheet



15

131
OXY
P8
2022-008
40 m
bot 18

Cruise and Analysis Information

Cruise Number: 2022-008
Event: 33
Station: P8
Event Date (Local): 2022-08-13
Analysis Date (Local): 15.08.22
Analyst: M₅
Standardization Date (Local): 13.08.22
KIO₃ N: 0.0118127
Standard Titer: 0.4808762
Blank Titer: 0.000476
THIO N: 0.345753
Sample Flask Water Seal? Yes

OXY-1 Comments

Nisk ID Sample ID Flask 2 Draw Temp 2 (°C) OXY-2 (mL/L)

OXY-2 Comments

137
OXY
P8
2022-008
50 m
bot 17

114
OXY
P8
2022-008
2000 m
bot 1

Nisk ID Sample ID Flask 1 Draw Temp 1 (°C) OXY-1 (mL/L)

115
OXY
P8
2022-008
1000 m
bot 4

116A
OXY
P8
2022-008
800 m
bot 5

122
OXY
P8
2022-008
250 m
bot 9

115
OXY
P8
2022-008
1500 m
bot 2

116A
OXY
P8
2022-008
1250 m

119
OXY
P8
2022-008
600 m

120
OXY
P8
2022-008
400 m

124
OXY
P8
2022-008
30 m
bot 11

116A
OXY
P8
2022-008
1250 m

116B
OXY
P8
2022-008
1250 m

121A
OXY
P8
2022-008
300 m

121B
OXY
P8
2022-008
300 m

117
OXY
P8
2022-008
1000 m
bot 4

118
OXY
P8
2022-008
800 m
bot 5

123
OXY
P8
2022-008
200 m
bot 10

125
OXY
P8
2022-008
175 m
bot 11

118
OXY
P8
2022-008
1000 m
bot 4

119
OXY
P8
2022-008
800 m
bot 5

120
OXY
P8
2022-008
400 m

121A
OXY
P8
2022-008
300 m

122
OXY
P8
2022-008
250 m
bot 9

119
OXY
P8
2022-008
600 m

120
OXY
P8
2022-008
400 m

121A
OXY
P8
2022-008
300 m

121B
OXY
P8
2022-008
300 m

120
OXY
P8
2022-008
400 m

121A
OXY
P8
2022-008
300 m

121B
OXY
P8
2022-008
300 m

122
OXY
P8
2022-008
250 m
bot 9

121
OXY
P8
2022-008
300 m

122
OXY
P8
2022-008
300 m

123
OXY
P8
2022-008
200 m
bot 10

124
OXY
P8
2022-008
30 m
bot 11

122
OXY
P8
2022-008
250 m
bot 9

123
OXY
P8
2022-008
200 m
bot 10

124
OXY
P8
2022-008
30 m
bot 11

125
OXY
P8
2022-008
175 m
bot 11

123
OXY
P8
2022-008
200 m
bot 10

124
OXY
P8
2022-008
30 m
bot 11

125
OXY
P8
2022-008
175 m
bot 11

126
OXY
P8
2022-008
125 m
bot 12

124
OXY
P8
2022-008
30 m
bot 11

125
OXY
P8
2022-008
175 m
bot 11

126
OXY
P8
2022-008
125 m
bot 12

127
OXY
P8
2022-008
100 m
bot 14

125
OXY
P8
2022-008
175 m
bot 11

126
OXY
P8
2022-008
125 m
bot 12

127
OXY
P8
2022-008
100 m
bot 14

128A
OXY
P8
2022-008
75 m
bot 15

126
OXY
P8
2022-008
125 m
bot 12

127
OXY
P8
2022-008
100 m
bot 14

128A
OXY
P8
2022-008
75 m
bot 15

128B
OXY
P8
2022-008
75 m
bot 15

127
OXY
P8
2022-008
100 m
bot 14

128A
OXY
P8
2022-008
75 m
bot 15

128B
OXY
P8
2022-008
75 m
bot 15

129
OXY
P8
2022-008
60 m
bot 16

128A
OXY
P8
2022-008
75 m
bot 15

128B
OXY
P8
2022-008
75 m
bot 15

129
OXY
P8
2022-008
60 m
bot 16

130
OXY
P8
2022-008
50 m
bot 17

129
OXY
P8
2022-008
60 m
bot 16

130
OXY
P8
2022-008
50 m
bot 17

131
OXY
P8
2022-008
40 m
bot 18

132
OXY
P8
2022-008
30 m
bot 19

130
OXY
P8
2022-008
50 m
bot 17

131
OXY
P8
2022-008
40 m
bot 18

132
OXY
P8
2022-008
30 m
bot 19

133
OXY
P8
2022-008
25 m
bot 20

131
OXY
P8
2022-008
40 m
bot 18

132
OXY
P8
2022-008
30 m
bot 19

133
OXY
P8
2022-008
25 m
bot 20

134
OXY
P8
2022-008
20 m
bot 21

132
OXY
P8
2022-008
30 m
bot 19

133
OXY
P8
2022-008
25 m
bot 20

134
OXY
P8
2022-008
20 m
bot 21

135
OXY
P8
2022-008
15 m
bot 22

133
OXY
P8
2022-008
25 m
bot 20

134
OXY
P8
2022-008
20 m
bot 21

135
OXY
P8
2022-008
15 m
bot 22

136A
OXY
P8
2022-008
10 m
bot 23

134
OXY
P8
2022-008
20 m
bot 21

135
OXY
P8
2022-008
15 m
bot 22

136A
OXY
P8
2022-008
10 m
bot 23

136B
OXY
P8
2022-008
10 m
bot 23

137
OXY
P8
2022-008
5 m
bot 24

138
OXY
P8
2022-008
4 m
bot 25

139
OXY
P8
2022-008
3 m
bot 26

140
OXY
P8
2022-008
2 m
bot 27

141
OXY
P8
2022-008
1 m
bot 28

142
OXY
P8
2022-008
0 m
bot 29

143
OXY
P8
2022-008
-1 m
bot 30

144
OXY
P8
2022-008
-2 m
bot 31

145
OXY
P8
2022-008
-3 m
bot 32

146
OXY
P8
2022-008
-4 m
bot 33

147
OXY
P8
2022-008
-5 m
bot 34

148
OXY
P8
2022-008
-6 m
bot 35

149
OXY
P8
2022-008
-7 m
bot 36

150
OXY
P8
2022-008
-8 m
bot 37

151
OXY
P8
2022-008
-9 m
bot 38

152
OXY
P8
2022-008
-10 m
bot 39

153
OXY
P8
2022-008
-11 m
bot 40

154
OXY
P8
2022-008
-12 m
bot 41

155
OXY
P8
2022-008
-13 m
bot 42

156
OXY
P8
2022-008
-14 m
bot 43

157
OXY
P8
2022-008
-15 m
bot 44

158
OXY
P8
2022-008
-16 m
bot 45

159
OXY
P8
2022-008
-17 m
bot 46

160
OXY
P8
2022-008
-18 m
bot 47

161
OXY
P8
2022-008
-19 m
bot 48

162
OXY
P8
2022-008
-20 m
bot 49

163
OXY
P8
2022-008
-21 m
bot 50

164
OXY
P8
2022-008
-22 m
bot 51

165
OXY
P8
2022-008
-23 m
bot 52

166
OXY
P8
2022-008
-24 m
bot 53

167
OXY
P8
2022-008
-25 m
bot 54

168
OXY
P8
2022-008
-26 m
bot 55

169
OXY
P8
2022-008
-27 m
bot 56

170
OXY
P8
2022-008
-28 m
bot 57

171
OXY
P8
2022-008
-29 m
bot 58

172
OXY
P8
2022-008
-30 m
bot 59

173
OXY
P8
2022-008
-31 m
bot 60

174
OXY
P8
2022-008
-32 m
bot 61

175
OXY
P8
2022-008
-33 m
bot 62

176
OXY
P8
2022-008
-34 m
bot 63

177
OXY
P8
2022-008
-35 m
bot 64

178
OXY
P8
2022-008
-36 m
bot 65

179
OXY
P8
2022-008
-37 m
bot 66

180
OXY
P8
2022-008
-38 m
bot 67

181
OXY
P8
2022-008
-39 m
bot 68

182
OXY
P8
2022-008
-40 m
bot 69

183
OXY
P8
2022-008
-41 m
bot 70

184
OXY
P8
2022-008
-42 m
bot 71

185
OXY
P8
2022-008
-43 m
bot 72

186
OXY
P8
2022-008
-44 m
bot 73

187
OXY
P8
2022-008
-45 m
bot 74

188
OXY
P8
2022-008
-46 m
bot 75

189
OXY
P8
2022-008
-47 m
bot 76

190
OXY
P8
2022-008
-48 m
bot 77

191
OXY
P8
2022-008
-49 m
bot 78

192
OXY
P8
2022-008
-50 m
bot 79

193
OXY
P8
2022-008
-51 m
bot 80

194
OXY
P8
2022-008
-52 m
bot 81

195
OXY
P8
2022-008
-53 m
bot 82

196
OXY
P8
2022-008
-54 m
bot 83

197
OXY
P8
2022-008
-55 m
bot 84

198
OXY
P8
2022-008
-56 m
bot 85

199
OXY
P8
2022-008
-57 m
bot 86

200
OXY
P8
2022-008
-58 m
bot 87

201
OXY
P8
2022-008
-59 m
bot 88

202
OXY
P8
2022-008
-60 m
bot 89

203
OXY
P8
2022-008
-61 m
bot 90

204
OXY
P8
2022-008
-62 m
bot 91

205
OXY
P8
2022-008
-63 m
bot 92

206
OXY
P8
2022-008
-64 m
bot 93

207
OXY
P8
2022-008
-65 m
bot 94

208
OXY
P8
2022-008
-66 m
bot 95

209
OXY
P8
2022-008
-67 m
bot 96

210
OXY
P8
2022-008
-68 m
bot 97

211
OXY
P8
2022-008
-69 m
bot 98

212
OXY
P8
2022-008
-70 m
bot 99

213
OXY
P8
2022-008
-71 m
bot 100

214
OXY
P8
2022-008
-72 m
bot 101

215
OXY
P8
2022-008
-73 m
bot 102

216
OXY
P8
2022-008
-74 m
bot 103

217
OXY
P8
2022-008
-75 m
bot 104

218
OXY
P8
2022-008
-76 m
bot 105

219
OXY
P8
2022-008
-77 m
bot 106

220
OXY
P8
2022-008
-78 m
bot 107

221
OXY
P8
2022-008
-79 m
bot 108

222
OXY
P8
2022-008
-80 m
bot 109

223
OXY
P8
2022-008
-81 m
bot 110

224
OXY
P8
2022-008
-82 m
bot 111

225
OXY
P8
2022-008
-83 m
bot 112

226
OXY
P8
2022-008
-84 m
bot 113

227
OXY
P8
2022-008
-85 m
bot 114

228
OXY
P8
2022-008
-86 m
bot 115

229
OXY
P8
2022-008
-87 m
bot 116

230
OXY
P8
2022-008
-88 m
bot 117

231
OXY
P8
2022-008
-89 m
bot 118

232
OXY
P8
20

Dissolved Oxygen Analysis Log Sheet



Last

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information					Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comme			
Cruise Number:	2022-008	1		179	1409	3.8						1					197	OXY P12	2022-008	
Event:	38	2		180	3057	3.8						2					199	OXY P12	2022-008	
Station:	P12	3		181	639	3.8						3					199A	OXY P12	2022-008	
Event Date (Local):	2022-08-13	4		182A	3037	4.1						4	182B	969	4.7	1.826	199A	OXY P12	2022-008	
Analysis Date (Local):	15.08.22	5		183	510	4.7						5					199A	OXY P12	2022-008	
Analyst:	MG	6		184	1401	4.7						6					199A	OXY P12	2022-008	
Standardization Date (Local):	15.08.22	7		185	3002	5.4						7					199A	OXY P12	2022-008	
KIO ₃ N:	0.0118217	8		186	3127	5.6						8					199A	OXY P12	2022-008	
Standard Titer:	0.4808782	9		187A	951	6.1						9	187B	3081	6.3	0.296	199A	OXY P12	2022-008	
Blank Titer:	0.000476	10		188	20	6.3						10					199A	OXY P12	2022-008	
THIO N:	0.245753	11		189	569	6.7						11					199A	OXY P12	2022-008	
Sample Flask Water Seal?	Yes	12		190	673	6.9						12					199A	OXY P12	2022-008	
Reagent Change?	No	13		191	3120	7.2						13					199A	OXY P12	2022-008	
(Please circle reagent that was changed prior to sampling and standardization)		14		192A	3134	7.7						14	192B	3104	7.7	3.446	199A	OXY P12	2022-008	
NOTE NEW BATCH IN LOG BOOK		15		193	575	8.0						15					199A	OXY P12	2022-008	
		16		194	396	8.1						16					199A	OXY P12	2022-008	
		17		195	1402	8.2						17					199A	OXY P12	2022-008	
		18		196	952	8.7						18					199A	OXY P12	2022-008	
		19		197	2092	9.2						19					199A	OXY P12	2022-008	
		20		198	962	10.4						20					199A	OXY P12	2022-008	
		21		199A	3173	16.9						21	199B	3007	16.9	5.900	199A	OXY P12	2022-008	
		22		200	1378	17						22					199A	OXY P12	2022-008	
		23		201	966	17.1											199A	OXY P12	2022-008	
		24															199A	OXY P12	2022-008	

15 - Moose.xlsx





Notes:
15 - Moose.xlsx

179	OXY	P12	2022-008	3000 m	181	OXY	P12	2022-008	3000 m	182A	OXY	P12	2022-008	2500 m	182B	OXY	P12	2022-008	2500 m	183	OXY	P12	2022-008	2000 m	184	OXY	P12	2022-008	1500 m	185	OXY	P12	2022-008	1250 m	186	OXY	P12	2022-008	1000 m	187A	OXY	P12	2022-008	800 m	187B	OXY	P12	2022-008	800 m	188	OXY	P12	2022-008	600 m	189	OXY	P12	2022-008	400 m	190	OXY	P12	2022-008	300 m	191	OXY	P12	2022-008	250 m
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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments		Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2022-008			1		272	970	3.2	2.733			1						292
Event:	57			2		273	971	3.1	2.696			2						291
Station:	P16			3		274	972	3.1	2.689			3						290
Event Date (Local):	2022-08-15			4		275A	973	3.1	2.455	→		4	275B	974	3.3	2.443		289
Analysis Date (Local):	16.08.22			5		276	975	3.4	1.837			5						290
Analyst:	MG			6		277	976	3.5	1.666			6						290
Stabilization Date (Local):	16.08.22			7		278	977	4.0	0.453			7						290
KIO ₃ N:	0.0118217			8		279A	978	4.2	0.295	→		8	279B	979	4.5	0.291		289
Standard Titer:	0.4808971			9		280	980	4.8	0.285			9						289
Blank Titer:	0.000476			10		281	981	5.3	0.378			10						289
THIO N:	0.245762			11		282	982	5.6	0.612			11						288
Sample Flask Water Seal?	Yes			12		283	983	5.9	1.433			12						288
	No			13		284	984	6.1	2.176			13						288
Reagent Change?	MnCl ₂			14		285	985	6.5	2.970			14						295
(Please circle reagent that was changed prior to sampling and standardization)	Na ₂ NaOH			15		286A	986	6.9	3.657	→		15	286B	987	7.0	3.659		294
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			16		287	988	7.1	4.091			16						294
	KIO ₃			17		288	989	7.3	4.469			17						294
	THIO			18		289	990	7.2	5.517			18						294
Notes:				19		290	991	7.7	6.184			19						293B
				20		291	992	8.2	6.753			20						293B
				21		292	993	9.5	7.002			21						293A
				22		293A	994	15.2	6.114	→		22	293B	995	15.4	6.180		293A

14 - Chicken & Egg.xlsx

272 273 274 275A

OXY OXY OXY OXY

P16 P16 P16 P16

2022-008 2022-008 2022-008 2022-008

3000 m 3000 m 3000 m 3000 m

275B

OXY

P16

2022-008

3000 m

276

OXY

P16

2022-008

2500 m

277

OXY

P16

2022-008

2000 m

278

OXY

P16

2022-008

1500 m

279A

OXY

P16

2022-008

1250 m

279B

OXY

P16

2022-008

1250 m

280

OXY

P16

2022-008

1000 m

281

OXY

P16

2022-008

800 m

282

OXY

P16

2022-008

600 m

283

OXY

P16

2022-008

400 m

284

OXY

P16

2022-008

300 m

285

OXY

P16

2022-008

250 m

**Institute of Ocean Sciences
Water Properties Group**



366
OXY
P20
2022-00
50 m
bot 21

Cruise and Analysis Information									
Cruise Number:	2022-008		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
Event:	67		1		346A	131	3.3	2.950	
Station:	P20		2		347	133	3.3	2.813	
Event Date (Local):	2022-08-16		3		348	134	3.3	2.811	3.4
Analysis Date (Local):	17.08.22		4		349	135	3.4	2.473	3.5
Analyst:	PLG		5		350	136	3.5	1.888	3.9
Standardization Date (Local):	16.08.22		6		351A	137	3.9	1.222	
KIO ₃ N:	0.0118217		7		352	139	4.5	0.517	
Standard Titer:	0.4808971		8		353	140	4.7	0.377	
Blank Titer:	0.000476		9		354	141	5.2	0.364	
THIO N:	0.245762		10		355	142	5.5	0.437	
Sample Flask Water Seal?	Yes		11		356A	143	5.8	0.669	
Reagent Change?	No		12		357	145	6.1	1.169	
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂		13		358	146	6.3	1.951	
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH		14		359	147	6.5	2.528	
	H ₂ SO ₄		15		360	148	6.8	3.310	
	KIO ₃		16		361	149	6.9	3.944	
	THIO		17		362	150	7.1	4.704	
Notes:			18		363	151	7.3	5.628	
			19		364	152	7.8	6.631	
			20		365	153	8.5	6.953	
			21		366	154	9.7	7.177	
			22		367	155	15.7	6.136	
					368	156	16.3	6.981	
					369A	157	16.3	5.979	
					351A				
					351B				
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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information							
Cruise Number:	2022-008	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)
Event:	92	1		473	131	3.2	3.207
Station:	P26	2		474	132	3.1	3.173
Event Date (Local):	2022-08-19	3		475A	133	3.1	2.899
Analysis Date (Local):	21-08-22	4		476	135	3.3	2.523
Analyst:	Mq	5		477	136	3.4	1.935
Standardization Date (Local):	21-08-22	6		478	137	3.5	1.244
KIO ₃ N:	0.0118217	7		479A	138	4.0	0.610
Standard Titer:	0.4806596	8		480	140	4.2	0.423
Blank Titer:	0.000437	9		481	141	4.7	0.390
THIO N:	0.245847	10		482	142	5.0	0.450
Sample Flask Water Seal?	Yes	11		483	143	5.5	0.547
	No	12		484	144	5.7	1.000
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	13		485	145	5.9	1.454
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	14		486	146	6.0	1.833
	H ₂ SO ₄	15		487	147	6.1	0.602
	KIO ₃	16		488	148	6.3	3.041
	THIO	17		489	149	6.4	3.622
Notes:		18		490	150	6.5	4.933
13 - Mermaid.xlsx		19		491	151	6.7	6.653
		20		492A	152	7.3	7.020
		21		493	154	8.6	7.218
		22		494	155	12	6.819
				495	156	14.8	6.249
				496A	157	15.3	6.102

opening the lower spigot (S) then test the spigot b

473	474	475A	475B	476	477	478	479A	479B	480	481	482	483	484	485
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P26	P26	P26	P26	P26	P26	P26	P26	P26	P26	P26	P26	P26	P26	P26
2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008	2022-008
4000 m	4000 m	3500 m	3500 m	3000 m	3000 m	2000 m	1500 m	1500 m	1250 m	1000 m	800 m	600 m	400 m	300 m

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group



Last Updated: December 2019

Cruise and Analysis Information				NIS k ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	NIS k ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2022008			1		497A	161	16.0	6.076		1	497B	162	16.1	6.071	
Event:	93			2		498A	163	16.1	6.062		2	498B	164	16.1	6.063	
Station:	PA-016			3		499A	165	16.1	6.054		3	499B	166	16.1	6.053	
Event Date (Local):	20-08-22			4							4					
Analysis Date (Local):	21-08-22			5							5					
Analyst:	MEG			6							6					
Standardization Date (Local):	21-08-22			7							7					
KIO ₃ N:	0.01188417			8							8					
Standard Titer:	0.4806596			9							9					
Blank Titer:	0.006437			10							10					
THIO N:	0.245847			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		497A		497B		498A		498B		499A		499B
		OXY		20												
		PA-016		21												
		2022-008		22												
		10 m		23												
		bot 1		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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Water Properties Group



Cruise and Analysis Information					OXY-1 Comments				
Cruise Number: 2022008									
Event: 0102									
Station: Hal									
Event Date (Local): 23.08.22									
Analysis Date (Local): 24.08.22									
Analyst: MG									
Standardization Date (Local): 24.08.22									
KIO ₃ N: 0.0118217									
Standard Titer: 0.4808216									
Blank Titer: 0.0006776									
THIO N: 0.245907									
Sample Flask Water Seal? Yes									
Reagent Change? MnCl ₂									
(Please circle reagent that was changed prior to sampling and standardization)									
NOTE NEW BATCH IN LOG BOOK									
Notes: WORLD									

513		514		515A		515B		516		517		518		519A		519B		520		521		522		523	
OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY	
Hal		Hal		Hal		Hal		Hal		Hal		Hal		Hal		Hal		Hal		Hal		Hal		Hal	
2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008		2022-008	
1500 m		1250 m		1000 m		1000 m		800 m		600 m		400 m		200 m		200 m		100 m		50 m		25 m		5 m	
bot 1		bot 2		bot 3		bot 3		bot 4		bot 5		bot 6		bot 7		bot 7		bot 8		bot 9		bot 10		bot 11	

the comments column.