

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information				Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw 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
1				1		1	970	7.3	4.238						1					
OXY				2		2	971	7.8	4.321						2					
Har059				3		3	972	7.9	4.494						3					
2022-001				4		4A	973	7.9	4.644						4	4B	974	7.9	4.647	
Bot-10 m				5		5	975	7.9	4.699						5					
bot 1				6		6	976	7.9	4.711						6					
2				7		7	977	7.9	4.726						7					
OXY				8		8A	978	7.8	4.788						8	8B	979	7.8	4.788	
Har059				9		9	980	7.9	4.815						9					
2022-001				10		10	981	7.8	4.860						10					
200 m				11		11	982	7.9	4.934						11					
bot 2				12		12	983	7.8	4.988						12					
3				13		13	984	7.8	5.001						13					
OXY				14		14	985	7.9	5.020						14					
Har059				15		15	986	7.9	5.047						15					
2022-001				16											16					
175 m				17											17					
bot 3				18											18					
4A				19											19					
OXY				20											20					
Har059				21											21					
2022-001				22																
150 m																				
bot 4																				
14 - Chicken & Egg.xlsx																				

4B	5	6	7	8A	8B	9	10	11	12	13	14	15
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
Har059	Har059	Har059	Har059	Har059	Har059	Har059	Har059	Har059	Har059	Har059	Har059	Har059
2022-001	2022-00	2022-00	2022-00	2022-00	2022-00	2022-001	2022-001	2022-00	2022-00	2022-00	2022-001	2022-001
150 m	125 m	100 m	80 m	60 m	60 m	50 m	40 m	30 m	20 m	10 m	5 m	0 m
bot 4	bot 5			bot 8	bot 9	bot 10			bot 19			bot 15

It fails the integrity check and explain this in the comments column.

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Cruise and Analysis Information				Nisk ID				OXY-1 Comments				Nisk ID				OXY-2 Comments			
Cruise Number:				1								1							
2022-001																			
Event:				2								2							
7																			
Station:				3								3							
JF2																			
Event Date (Local):				4								4							
03-03-22																			
Analysis Date (Local):				5								5							
3/3/22																			
Analyst:				6								6							
MB																			
Standardization Date (Local):				7								7							
2/3/22																			
KIO ₃ N:				8								8							
0.012115																			
Standard Titer:				9								9							
0.5069																			
Blank Titer:				10								10							
0.0005																			
THIO N:				11								11							
0.755735																			
Sample Flask				12								12							
Water Seal?				13								13							
No																			
Reagent Change?				14								14							
MnCl ₂																			
(Please circle reagent that was changed prior to sampling and standardization)				15								15							
NaI/NaOH																			
H ₂ SO ₄																			
NOTE NEW BATCH IN LOG BOOK				16								16							
KIO ₃																			
THIO				17								17							
				18								18							
Notes:				19								19							
				20								20							
				21								21							
- Frog.xlsx				22								22							

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

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29 OXY P1	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:	2022-001	1		29	1403	7.9	2.384		1					
2022-001 Bot-10 m	Event:	11	2		30	1395	8.1	5.389	redo (dumped 1st attempt)	2					
	Station:	P1	3		31A	1441	8.3	7.388		3	31B	1499	8.3	7.388	
bot 1	Event Date (Local):	04-03-22	4						p	4					
	Analysis Date (Local):	4 MAR 22	5							5					
30 OXY P1	Analyst:	MB	6							6					
	Skidization Date (Local):	4 MAR 22	7							7					
2022-001 30 m	KIO ₃ N:	0.0121115	8							8					
	Standard Titer:	0.5065	9							9					
bot 2	Blank Titer:	0.0005	10							10					
	THIO N:	0.258301	11							11					
31A OXY P1	Sample Flask Water Seal?	Yes	12							12					
	Reagent Change?	MnCl ₂	13							13					
2022-001 5 m	(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					
31B OXY P1		KIO ₃	16							16					
		THIO	17							17					
2022-001 5 m	Notes:		18							18					
			19							19					
bot 3			20							20					
	1 - Frog.xlsx		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.



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
32			1		32	1397	7.9	2.703		1					
OXY			2		33	1496	7.9	2.876		2					
P2		12													
			3		34	1494	8.0	3.624		3					
		P2													
2022-001			4		35	1439	8.0	3.611		4					
Bot-10 m															
			5		36A	1492	8.0	4.234	→	5	36B	1456	8.0	4.238	
bot 1			6							6					
33										7					
OXY			7												
P2			8		39	1454	8.0	4.819		8					
			9							9					
2022-001										10					
100 m			10							11					
bot 2			11												
			12		43	1447	7.9	6.685		12					
34			13							13					
OXY			14		45	1386	7.9	6.937		14					
P2			15							15					
2022-001			16							16					
75 m			17							17					
bot 3			18							18					
			19							19					
35			20							20					
OXY			21							21					
P2			22							22					
2022-001															
75 m															
36A															
OXY															
P2															
2022-001															
50 m															

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: December 2019

[illegible]

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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			
92 OXY	Cruise Number:	2022-001		1		92	101	2.8	3.837	← STRANGE VALUE	1								
P8	Event:	28		2		93	102	3.1	0.689		2								
2022-001	Station:	P8		3		94A	103	3.7	0.403		3	94B	104	3.9	0.397				
2000 m	Event Date (Local):	05-03-22		4		95	105	4.3	4.3°C		4								
bot 1	Analysis Date (Local):	5 MAR 2022		5		96	106	4.6	0.262	4.6°C	5								
93 OXY	Analyst:	ms		6		97	107	5.2	0.434		6								
P8	Standardization Date (Local):	4 MAR 2022		7		98	108	5.7	1.118		7								
2022-001	KIO ₃ N:	0.0121115		8		99	109	6.1	1.762		8								
1500 m	Standard Titer:	0.5065		9		100	110	6.4	2.112		9								
bot 2	Blank Titer:	0.0005		10		101A	111	6.7	2.711		10	101B	112	6.7	2.710				
94A OXY	THIO N:	0.259301		11							11								
P8	Sample Flask Water Seal?	Yes		12		103	113	7.1	3.290		12								
2022-001	Reagent Changed?	MnCl ₂		13		104	114	7.5	3.831		13								
1250 m	(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH		14		105	115	7.7	5.376		14								
bot 3	NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄		15		106	116	7.7	6.845		15								
94B OXY		KIO ₃		16		107	117	7.7	6.903		16								
P8		THIO		17		108A	118	7.7	6.935		17	108B	119	7.7	6.936	OT			
2022-001	Notes:			18		109	120	7.7	6.988	OT	18								
1250 m				19		110	121	7.7	6.940		19								
bot 1				20		111	122	7.7	6.932		20								
95	12 - Humming Bird.xlsx			21		112	123	7.7	6.946		21								
				22		113	124	7.7	6.941		22								
OXY	96	97	98	99	100	101A	101B	103	104	105	106	107	108A	108B	109	110	111	112	113
P8	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
2022-001	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8
1000 m	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0	2022-0
bot 4	800 m	600 m	400 m	300 m	250 m	200 m	200 m	150 m	100 m	75 m	60 m	50 m	40 m	40 m	3	25 m	15 m	10 m	5 m
bot 5	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 20	bot 21	bot 22	bot 23	bot 24

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271
OXY
P16
2022-001
5 m
bot 24

	269B	269A	268
270	OXY	OXY	OXY
P16	P16	P16	P16

[illegible]

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371B
OXY
P20

bot 24
371A

OXY
P20

2022-001
5 m

bot 24

370
OXY
P20

2022-001
10 m

bot 23

369
OXY
P20

XX

367

OXY
D20

22-00

ent 20

2022-001 2022-001

366
OXY
B20

30

3

30
Ox
Pr

1

36
OX
P23
O
P

10

Cruise and Analysis Information					
Cruise Number:	2022-001				
Event:	bot 1				
Station:	P20				
Event Date (Local):	08-03-22				
Analysis Date (Local):	11-03-22				
Analyst:	MG				
Stratization Date (Local):	11-03-22				
KIO ₃ N:	0.0121115				
Standard Titer:	0.0061257				
Blank Titer:	0.0004626				
THIO N:	0.239377				
Sample Flask Water Seal?	Yes No				
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	NaI/NaOx	H ₂ SO ₄	KIO ₃	THIO
NOTE NEW BATCH IN LOG BOOK					
Notes:					
14 - Chicken & Egg.xlsx					

Nisk ID	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)	25 m bot 22	50 m bot 21
1	348	970	2.3	2.982		1						
2	349	971	2.3	2.843		2						
3	350	972	2.3	2.837		3						
4	351	973	2.4	2.982		4						
5	352	974	2.6	1.991		5						
6	353A	975	2.8	1.332		6	353B	976	2.8	1.333		
7	354	977	3.3	0.555		7						
8	355	978	3.5	0.404		8						
9	356	979	4.0	0.361	OVERTRATE SMALL BUBBLES ADJUST STRIDER.	9						
10	357	980	4.3	0.394		10						
11	358	981	4.8	0.476		11						
12	359A	982	5.3	0.944		12	359B	983	5.4	0.952		
13	360	984	5.5	1.496		13						
14	361	985	5.7	1.990		14						
15	362	986	5.9	2.587		15						
16	363	987	6.0	2.922		16						
17	364	988	6.3	-	FORGET STRIDE BAR COULD NOT GET TO OVERTRATE	17						
18	365A	989	6.5	4.645		18	365B	990	6.5	4.641		
19	366	991	6.7	6.449		19						
20	367	992	6.8	7.050		20						
21	368	993	7.2	7.113		21						
22	369	994	7.2	7.088		22						
23	370	995	7.3	7.107		23						
24	371A	996	7.3	7.117		24	371B	997	7.3	7.121		

2022-001	P20	351	OXY	352	OXY	2022-001	P20	356	OXY	2022-001	P20	358	OXY	2022-001	P20	359A	OXY	2022-001	P20	359B	OXY
3500 m						3500 m				3500 m				3500 m				3500 m			
2022-001	P20	351	OXY	352	OXY	2022-001	P20	356	OXY	2022-001	P20	358	OXY	2022-001	P20	359A	OXY	2022-001	P20	359B	OXY
3000 m						3000 m				3000 m				3000 m				3000 m			
2022-001	P20	351	OXY	352	OXY	2022-001	P20	356	OXY	2022-001	P20	358	OXY	2022-001	P20	359A	OXY	2022-001	P20	359B	OXY
2500 m						2500 m				2500 m				2500 m				2500 m			
2022-001	P20	351	OXY	352	OXY	2022-001	P20	356	OXY	2022-001	P20	358	OXY	2022-001	P20	359A	OXY	2022-001	P20	359B	OXY
2000 m						2000 m				2000 m				2000 m				2000 m			
2022-001	P20	351	OXY	352	OXY	2022-001	P20	356	OXY	2022-001	P20	358	OXY	2022-001	P20	359A	OXY	2022-001	P20	359B	OXY
1																					

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472

OXY

P26

2022-001

5 m

bot 24

471

OXY

P26

2022-001

10 m

bot 23

470B

OXY

P26

2022-001

25 m

bot 22

470A

OXY

P26

2022-001

25 m

bot 22

469

OXY

P26

2022-001

50 m

bot 21

468

OXY

P26

2022-001

75 m

bot 20

467

OXY

P26

2022-001

100 m

bot 19

466

OXY

P26

2022-001

125 m

bot 18

465

OXY

P26

2022-001

150 m

bot 17

464B

OXY

P26

2022-001

175 m

bot 16

464A

OXY

P26

2022-001

175 m

bot 16

463

OXY

P26

2022-001

200 m

bot 15

462

OXY

P26

2022-001

250 m

bot 14

461

OXY

P26

2022-001

300 m

bot 13

460

OXY

P26

2022-001

400 m

bot 12

459

OXY

P26

2022-001

600 m

bot 11

458

OXY

P26

2022-001

800 m

bot 10

457

OXY

P26

2022-001

1000 m

bot 9

456B

OXY

P26

2022-001

1250 m

bot 8

456A

OXY

P26

2022-001

1250 m

bot 7

455

OXY

P26

2022-001

1500 m

bot 6

454

OXY

P26

2022-001

2000 m

bot 5

453

OXY

P26

2022-001

3000 m

bot 4

452

OXY

P26

2022-001

4500 m

bot 3

449

OXY

P26

2022-001

4500 m

bot 2

448

OXY

P26

2022-001

4500 m

bot 1

447

OXY

P26

2022-001

4500 m

bot 0

446

OXY

P26

2022-001

4500 m

bot 0

445

OXY

P26

2022-001

4500 m

bot 0

444

OXY

P26

2022-001

4500 m

bot 0

443

OXY

P26

2022-001

4500 m

bot 0

442

OXY

P26

2022-001

4500 m

bot 0

441

OXY

P26

2022-001

4500 m

bot 0

440

OXY

P26

2022-001

4500 m

bot 0

439

OXY

P26

2022-001

4500 m

bot 0

438

OXY

P26

2022-001

4500 m

bot 0

437

OXY

P26

2022-001

4500 m

bot 0

436

OXY

P26

2022-001

4500 m

bot 0

435

OXY

P26

2022-001

4500 m

bot 0

434

OXY

P26

2022-001

4500 m

bot 0

433

OXY

P26

2022-001

4500 m

bot 0

432

OXY

P26

2022-001

4500 m

bot 0

431

OXY

P26

2022-001

4500 m

bot 0

430

OXY

P26

2022-001

4500 m

bot 0

429

OXY

P26

2022-001

4500 m

bot 0

428

OXY

P26

2022-001

4500 m

bot 0

427

OXY

P26

2022-001

4500 m

bot 0

426

OXY

P26

2022-001

4500 m

bot 0

425

OXY

P26

2022-001

4500 m

bot 0

424

OXY

P26

2022-001

4500 m

bot 0

423

OXY

P26

2022-001

4500 m

bot 0

422

OXY

P26

2022-001

4500 m

bot 0

421

OXY

P26

2022-001

4500 m

bot 0

420

OXY

P26

2022-001

4500 m

bot 0

419

OXY

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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:	2022-001	1		487A	1403	6.9	7.585	Small Bubble	1	487B	1395	6.9	7.163	
Event:	88	2							2					
Station:	PA-015	3		489A	1441	6.9	7.167		3	489B	1499	6.9	7.162	overestimate
Event Date (local):	10-03-22	4		490A	1452	6.9	7.165		4	490B	1397	6.9	7.167	
Analysis Date (local):	11-03-22	5							5					
Analyst:	MC	6		487A					6					
Skidization Date (local):	11-03-22	7		OXY										
KIO ₃ N:	0.6121115	8		PA-015										
Standard Titer:	0.5061257	9		2022-001										
Blank Titer:	0.0004626	10		10 m										
THIO N:	0.239377	11		bot 1										
Sample Flask Water Seal?	Yes	12												
Reagent Change?	MnCl ₂	13												
(Please circle reagent that was changed prior to sampling and standardization)	MnI/NaOH	14												
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15												
	KIO ₃	16												
	THIO	17												
Notes:		18												
		19												
		20												
		21												
		22												
		23												
		24												

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

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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
Cruise Number:	2022-001		491	1403	7.7	3.616	
Event:	# 103		492	1395	7.9	5.077	
Station:	Hak1		493	1441	7.8	6.645	
Event Date (local):	14-03-22		494A	1499	7.7	6.864	
Analysis Date (local):	17-03-22		495	1397	7.6	7.114	
Analyst:	Mg		496	1496	7.6	7.150	
Sidization Date (local):	17-03-22		497	1494	7.6	7.254	
KIO ₃ N:	0.0119622		498	1439	7.6	7.257	
Standard Titer:	0.5005521		499	1492	7.6	7.263	
Blank Titer:	0.001001		500	1456	7.6	7.287	
THIO N:	0.239387						
Sample Flask Water Seal?	(Yes) No						
Reagent Change? MnCl ₂							
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						
NOTE NEW BATCH IN LOG BOOK H ₂ SO ₄							
KIO ₃							
THIO							
Notes:							
1 - Frog.xlsx							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4	494B	1452	7.7	6.861	
5					
6					
7					
8					
9					
10					
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12					
13					
14					
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16					
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19					
20					
21					
22					
23					
24					

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
491					
492					
493					
494A					
494B					
495					
496					
497					
498					
499					
500					

Bottle integrity: First test the top vent (V) by of

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:	2022-001			1								1						
Event:	118			2		503	1447	7.3	2.121			2						
Station:	De09			3		504	1386	7.3	2.102			3						
Event Date (Local):	14-03-22			4		505A	1398	7.4	2.180			4	505B	1394	7.4	2.178		
Analysis Date (Local):	17.03.22			5		506	1412	7.5	1.888			5						
Analyst:	MG			6		507	1479	7.5	2.172			6						
Skidization Date (Local):	17.03.22			7		508	1374	7.6	2.187			7						
KIO ₃ N:	0.019622			8		509	1451	7.7	1.652			8						
Standard Titer:	0.5005521			9		510	1488	7.9	2.259			9						
Blank Titer:	0.001001			10								10						
THIO N:	0.239387			11		512	1453	7.8	3.188			11						
Sample Flask Water Seal?	Yes			12		513	1464	7.5	3.874			12						
	No			13		514A	1410	7.1	4.789			13	514B	1478	7.2	4.799		
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	MnCl ₂	NaI/NaOH	H ₂ SO ₄	14		515	1393	7.0	5.259			14						
				15		516	1498	6.9	5.734			15						
				16		517	1471	6.6	7.926			16						
				17		518	1392	6.6?	16.539			17						
				18								18						
Notes:				19								19						
				20								20						
				21								21						

517 OXY De09 2022-001 5 m bot 16

518 OXY De09 2022-001 0 m bot 17

503 OXY De09 2022-001 Bot-10 m bot 2

504 OXY De09 2022-001 400 m bot 3

505A OXY De09 2022-001 300 m bot 4

505B OXY De09 2022-001 300 m bot 4

506 OXY De09 2022-001 250 m bot 5

507 OXY De09 2022-001 200 m

508 OXY De09 2022-001 150 m

509 OXY De09 2022-001 100 m

510 OXY De09 2022-001 75 m

512 OXY De09 2022-001 50 m

513 OXY De09 2022-001 40 m

514A OXY De09 2022-001 30 m bot 13

514B OXY De09 2022-001 30 m bot 13

515 OXY De09 2022-001 20 m bot 14

516 OXY De09 2022-001 10 m bot 15

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:	2022-001		1		520	970	7.7	3.213			1						
Event:	145		2		521A	971	7.7	3.311			2	521B	972	7.7	3.312		
Station:	KC10		3		522	973	7.7	3.414			3						
Event Date (Local):	16-03-22		4		523	974	7.7	3.495			4						
Analysis Date (Local):	17.03.22		5		524	975	7.8	3.590			5						
Analyst:	MG		6		525	976	7.9	3.871			6						
Standardization Date (Local):	17.03.22		7		526	977	7.8	5.038			7						
KIO ₃ N:	0.0119622		8		527	978	7.7	5.889			8						
Standard Titer:	0.5005521		9		528	979	7.6	6.832			9						
Blank Titer:	0.0010011		10		529	980	7.5	6.891			10						
THIO N:	0.239387		11		530A	981	7.6	6.972			11	530B	982	7.6	6.988		
Sample Flask Water Seal?	Yes		12		531	983	7.6	6.976			12						
	No		13		532	984	7.5	7.163			13						
Reagent Change?	MnCl ₂		14		533	985	7.6	7.359			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						

14 - Chicken & Egg.xlsx

520	521A	521B	522	523	524	525	526	527	528	529	530A	530B	531	532	533
Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy	Oxy
KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10	KC10
2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001	2022-001
Bot-10 m	300 m	300 m	250 m	200 m	150 m	100 m	75 m	50 m	30 m	20 m	15 m	15 m	10 m	5 m	0 m
Sheet 1	Sheet 2	Sheet 3	Sheet 4	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Sheet 9	Sheet 10	Sheet 11	Sheet 12	Sheet 13	Sheet 14	Sheet 15	Sheet 16