221
OXY
46-144
2022_02
300 m
bot 1
222
OXY
46-144
2022_02
200 m
bot 2
224
OXY
46-144
2022_02
150 m
bot 4
225
OXY
46-144
2022_02
125 m
bot 5
228
OXY
46-144
2022_02
100 m
bot 8
229
OXY
46-144
2022_02
75 m
bot 9

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	S3
Station:	46-144 ~~47-141~~
Event Date (Local):	01 MAR 2022
Analysis Date (Local):	01 MAR 2022
Analyst:	DJ
Stdization Date (Local):	01 MAR 2022
KIO_3 N:	0.011867L
Standard Titer:	0.4787489
Blank Titer:	0.000781
THIO N:	0.248074
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / (KIO_3) / THIO
Notes:	18 - Octopus.xlsx

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			221	196	6.3	3.251	
2			222	1015	7.5	4.597	
3							
4			224	2088	7.6	5689	
5			225	3155	7.9	6.177	
6							
7							
8			228	931	8.1	6.594	
9			229	2086	8.5	6628	
10							
11							
12			232A	1019	8.8	6.697	
13							
14			234	17	8.8	6.694	
15							
16							
17							
18							
19							
20			240	94	8.8	6.694	
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12	232B	16	8.8	6.691	
13					
14					
15					
16					
17					
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.

232A
OXY
46-144
2022_02
50 m
bot 12

bot 12
50 m
2022_02
46-144
OXY
232B

234
OXY
46-144
2022_02
25 m
bot 14

240
OXY
46-144
2022_02
5 m
bot 20

81A
DO
47-138
2022_02
300 m
bot 1
81B
DO
47-138
2022_02
300 m
bot 1
82
DO
47-138
2022_02
200 m
bot 2
84
DO
47-138
2022_02
150 m
bot 4
85
DO
47-138
2022_02
125 m
bot 5
88
DO
47-138
2022_02
100 m
bot 8

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	24
Station:	47-138
Event Date (Local):	24 FEB 2022
Analysis Date (Local):	01 MAR 2022
Analyst:	CS
Stdization Date (Local):	01 MAR 2022
KIO_3 N:	0.0118676
Standard Titer:	0.4787489
Blank Titer:	0.000281
THIO N:	0.248074
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / (KIO_3) / THIO
Notes:	18 - Octopus.xlsx

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			81A	3117	6.4	2.818	
2			82	730	7.5	4.278	
3							
4			84	929	7.9	4.945	
5			85	3031	7.7	6.117	
6							
7							
8			88	1406	8.1	6.616	
9			89	954	8.4	6.807	
10							
11							
12			92	437	8.5	6.852	
13							
14			94	658	8.5	6.838	
15							
16							
17							
18							
19							
20			100	547	8.5	7.164	
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1	81B	438	6.5	2.874	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

...e vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

89
DO
47-138
2022_02
75 m
bot 9
92
DO
47-138
2022_02
50 m
bot 12
94
DO
47-138
2022_02
25 m
bot 14
100
DO
47-138
2022_02
5 m
bot 20

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	58
Station:	47-144
Event Date (Local):	01 MAR 2022
Analysis Date (Local):	02 MAR 2022
Analyst:	OS
Stdization Date (Local):	01 MAR 22
KIO_3 N:	0.0118676
Standard Titer:	0.4787489
Blank Titer:	0.000281
THIO N:	0.248074
Sample Flask Water Seal?	Yes / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO
Notes:	16 - Bender.xlsx

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			241	3162	2.4	1138	
2			242A	956	2.8	0.385	
3			243	2084	3.1	0.355	
4			244	3035	3.5	0.817	
5			245	955	4.0	0.513	
6			246	1192	4.7	0.949	
7			247	3034	5.4	2.024	
8			248	3061	6.0	2.947	
9			249A	3049	6.5	3.858	
10			250	3200	7.2	4.508	
11			251	3032	7.4	4.991	
12			252	3038	7.3	5.602	
13			253	3180	7.6	6.125	
14			254	3164	7.8	6.505	
15			255	941	8.0	6.716	
16			256	2015	8.1	6.788	
17			257	3068	8.1	6.797	
18			258	3090	8.1	6.813	
19			259	3036	8.1	6.815	
20			260A	3147	8.1	6.816	
21							
22							
23							
24			264	3106	8.0	6805	

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	O
1					
2	242B	3054	2.9	0.395	
3					
4					
5					
6					
7					
8					
9	249B	3048	6.5	3.857	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20	260B	3131	8.1	6.814	
21					
22					
23					
24					

First test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails

comments column

241 OXY 47-144 2022_02 2000 m bot 1
242A OXY 47-144 2022_02 1500 m bot 2
242B OXY 47-144 2022_02 1500 m bot 2
243 OXY 47-144 2022_02 1250 m bot 3
244 OXY 47-144 2022_02 10000 m
245 OXY 47-144 2022_02 800 m bot 5
246 OXY 47-144 2022_02 600 m bot 6
247 OXY 47-144 2022_02 400 m bot 7
248 OXY 47-144 2022_02 300 m bot 8
249A OXY 47-144 2022_02 250 m bot 9
249B OXY 47-144 2022_02 250 m bot 9
250 OXY 47-144 2022_02 200 m bot 10
251 OXY 47-144 2022_02 175 m bot 11
252 OXY 47-144 2022_02 150 m bot 12
253 OXY 47-144 2022_02 125 m bot 13
254 OXY 47-144 2022_02 100 m bot 14
255 OXY 47-144 2022_02 75 m bot 15
256 OXY 47-144 2022_02 60 m bot 16
257 OXY 47-144 2022_02 50 m bot 17
258 OXY 47-144 2022_02 25 m bot 18
259 OXY 47-144 2022_02 10 m bot 19
260A OXY 47-144 2022_02 5 m bot 20
260B OXY 47-144 2022_02 5 m bot 20
264 OXY 47-144 2022_02 0 m bot 24

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

IOS

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	65
Station:	49-144
Event Date (Local):	02 MAR 2022
Analysis Date (Local):	03 MAR 2022
Analyst:	CS
Stdization Date (Local):	01 MAR 22
KIO_3 N:	0.011867
Standard Titer:	0.4787489
Blank Titer:	0.000281
THIO N:	0.248074
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	
18 - Octopus.xlsx	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			285	3117	2.2	1.179	
2			286A	438	2.6	0.632	
3			287	929	2.8	0.472	
4			288	3031	3.2	0.417	
5			289	1406	3.6	0.414	
6			290	954	4.1	0.531	
7			291	437	4.5	0.997	
8			292	658	4.7	1.630	
9			293A	547	4.8	2.033	
10			294	196	5.1	2.697	
11			295	1015	5.5	3.096	
12			296	2088	5.6	3.660	
13			297	3155	5.8	4.395	
14			298	931	6.1	5.959	
15			299	2086	6.3	6.990	
16			300	1019	6.5	7.064	
17			301	16	6.7	7.090	
18			302	17	6.7	7.102	
19			303	94	6.7	7.101	
20			304A	953	6.7	7.086	
21							
22							
23							
24			308	3073	6.7	7.084	

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
1				
2	286B	730	2.6	0.619
3				
4				
5				
6				
7				
8				
9	293B	943	4.9	2.052
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20	304B	1459	6.7	7.070
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 expl

285	290	295	301
OXY	OXY	OXY	OXY
49-144	49-144	49-144	49-144
2022_02	2022_02	2022_02	2022_02
2000 m	600 m	175 m	50 m
bot 1	bot 6	bot 11	
286A	291	296	302
OXY	OXY	OXY	OXY
49-144	49-144	49-144	49-144
2022_02	2022_02	2022_02	2022_02
1500 m	400 m	150 m	25 m
bot 2	bot 7	bot 12	bot 18
286B	292	297	303
OXY	OXY	OXY	OXY
49-144	49-144	49-144	49-144
2022_02	2022_02	2022_02	2022_02
1500 m	300 m	125 m	10 m
287	293A	298	304A
OXY	OXY	OXY	OXY
49-144	49-144	49-144	49-144
2022_02	2022_02	2022_02	2022_02
1250 m	250 m	100 m	5 m
bot 3			
288	293B	299	304B
OXY	OXY	OXY	OXY
49-144	49-144	49-14	49-144
2022_02	2022_02	2022_	2022_02
1000 m	250 m	75 m	5 m
bot 4	bot 9	bot 1	bot 20
289	294	300	308
OXY	OXY	OXY	OXY
49-144	49-144	49-14	49-144
2022_02	2022_02	2022_	2022_02
800 m	200 m	60 m	0 m
bot 5	bot 10	bot 1	bot 24

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	88
Station:	52-135
Event Date (Local):	06 MAR 22
Analysis Date (Local):	06 MAR 22
Analyst:	CJ
Stdization Date (Local):	06 MAR 22
KIO_3 N:	0.0118676
Standard Titer:	0.4786.137
Blank Titer:	0.0003076
THIO N:	0.2481S
Sample Flask Water Seal?	Yes (circled) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	
16 - Bender.xlsx	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			409	3200	5.5	1.586	
2			410	3032	6.0	2.380	
3							
4			412	3038	6.4	3.228	
5							
6							
7							
8			416	3180	6.7	5710	
9			417	3164	7.0	6.658	
10							
11							
12			420A	941	7.1	6.988	
13							
14			422A	3068	7.1	7.115	
15							
16							
17							
18							
19			427	3036	7.1	7.038	
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					409 OXY 52-135 2022_02 300 m bot 1
2					417 OXY 52-135 2022_02 75 m bot 9
3					422B OXY 52-135 2022_02 25 m bot 14
4					410 OXY 52-135 2022_02 200 m bot 2
5					420A OXY 52-135 2022_02 50 m bot 12
6					427 OXY 52-135 2022_02 5 m bot 19
7					
8					
9					
10					
11					
12	420B	2015	7.1	6.988	412 OXY 52-135 2022_02 150 m bot 4
13					420B OXY 52-135 2022_02 50 m bot 12
14	422B	3090	7.1	7.036	416 OXY 52-135 2022_02 100 m bot 8
15					422A OXY 52-135 2022_02 25 m bot 14
16					
17					
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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	16
Station:	53-141
Event Date (Local):	04 MAR 22
Analysis Date (Local):	06 MAR 22
Analyst:	
Stdization Date (Local):	06 MAR 22
KIO_3 N:	0.0118674
Standard Titer:	0.4786137
Blank Titer:	0.0003976
THIO N:	0.2481
Sample Flask Water Seal?	Yes / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	16 - Bender.xlsx

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			349	3162	4.6	1.193	
2			350A	956	5.2	1.197	
3							
4			352	2084	5.4	3.560	
5							
6							
7							
8			356	3035	5.5	1.092	
9			357	955	5.7	1.210	
10							
11							
12			360	1192	5.7	1.28	
13							
14			362A	3034	5.8	1.224	
15							
16							
17							
18							
19			367	3049	5.8	1.222	
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2	350B	3054	5.1	1.984	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	362B	3061	5.8	1.225	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

OXY-2 Comments		
349	356	362B
OXY	OXY	OXY
53-141	53-141	53-141
2022_02	2022_02	2022_02
300 m	100 m	25 m
bot 1	bot 8	bot 14
350A	357	367
OXY	OXY	OXY
53-141	53-141	53-141
2022_02	2022_02	2022_02
200 m	75 m	5 m
bot 2	bot 9	bot 19
350B	360	
OXY	OXY	
53-141	53-141	
2022_02	2022_02	
200 m	50 m	
bot 2	bot 12	
352	362A	
OXY	OXY	
53-141	53-141	
2022_02	2022_02	
150 m	25 m	
bot 4	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

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Water Properties Group

IOS

STN 100
CAST 99

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	100
Station:	55-138
Event Date (Local):	March 16/22
Analysis Date (Local):	Mar 16/22
Analyst:	CW
Stdization Date (Local):	March 16/22
KIO_3 N:	0.011867b
Standard Titer:	~~0.64~~ 0.4786
Blank Titer:	0.00065
THIO N:	0.24852
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	
16 - Bender.xlsx	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			469	3162	5.9	1.519	over titrate
2			470A	956	6.4	←	Totally poched.
3					6.4		
4			472	2084	6.9	3.004	
5							
6							
7							
8			476	3035	7.1	4.358	
9			477	955	6.9	5.930	over titrate
10							
11						6.893	
12			480	1192	6.7	~~5.980~~	
13							
14	X		482A	3034	6.7	~~7.123~~	7.114
15					6.7		7.112
16							
17							
18							
19			487	3049	6.8	7.128	OT
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2	470B	3054	6.4	2.670	no analysis for "A"
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	482B	3061			
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

470A OXY 55-138 2022_02 200 m bot 2

469 OXY 55-138 2022_02 300 m bot 1

470B OXY 55-138 2022_02 200 m bot 2

472 OXY 55-138 2022_02 150 m bot 4

476 OXY 55-138 2022_02 100 m bot 8

477 OXY 55-138 2022_02 75 m bot 9

480 OXY 55-138 2022_02 50 m bot 12

482A OXY 55-138 2022_02 25 m bot 14

482B OXY 55-138 2022_02 25 m bot 14

487 OXY 55-138 2022_02 5 m bot 19

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.

Can't get box file to work

124/99

Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

IOS

in the run samples - it keeps defaulting to cast 99

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	124
Station:	57-144
Event Date (Local):	March 14/22
Analysis Date (Local):	March 1
Analyst:	CW
Stdization Date (Local):	March 16/22
KIO_3 N:	0.01786
Standard Titer:	0.4786
Blank Titer:	0.00065
THIO N:	2.4852
Sample Flask Water Seal?	Yes / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$, NaI/NaOH, H_2SO_4, KIO_3, THIO
Notes:	18 - Octopus.xlsx

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			595	3117	2.6	1.347	OT
2			596A	438	2.9	0.6740	OT
3			597	929	3.3	0.4411	OT
4			598	3031	3.6	0.371	OT
5			599	1406	4.0	0.347	OT
6			600	954	4.3	0.425	* 2 magnets = doesn't start up OT
7			601	437	4.6	0.6840	OT
8			602	658	4.7	0.754	
9			603	547	4.7	0.928	
10			604	943	4.7	0.977	
11			605	196	4.9	1.618	
12			606	1015	4.9	1.902	
13			607A	2088	5.2	2.493	
14			608	931	5.5	4.435	
15			609	2086	4.8	6.951	
16			610	1019	5.1	7.343	
17			611	16	5.1	7.368	
18			612A	17	5.1	7.369	
19			613	953	5.2	7.378	
20			614	1459	5.2	7.339	
21							
22							
23							
24			618	3073	5.2	7.359	

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2	596B	730	3.0	0.638	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13	607B	3155	5.3	2.497	
14					
15					
16					
17					
18	612B	94	5.2	7.374	
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.

595 **OXY** 57-144 2022_02 2000 m **bot 1**	**596A** **OXY** 57-144 2022_02 1500 m **bot 2**	**596B** **OXY** 57-144 2022_02 1500 m **bot 2**	**597** **OXY** 57-144 2022_02 1250 m **bot 3**	**598** **OXY** 57-144 2022_02 10000 m **bot 4**	**599** **OXY** 57-144 2022_02 800 m **bot 5**
600 **OXY** 57-144 2022_02 600 m **bot 6**	**601** **OXY** 57-144 2022_02 400 m **bot 7**	**602** **OXY** 57-144 2022_02 300 m **bot 8**	**603** **OXY** 57-144 2022_02 250 m **bot 9**	**604** **OXY** 57-144 2022_02 200 m **bot 10**	**605** **OXY** 57-144 2022_02 175 m **bot 11**
606 **OXY** 57-144 2022_02 150 m **bot 12**	**607A** **OXY** 57-144 2022_02 125 m **bot 13**	**607B** **OXY** 57-144 2022_02 125 m **bot 13**	**608** **OXY** 57-144 2022_02 100 m **bot 14**	**609** **OXY** 57-144 2022_02 75 m **bot 15**	**610** **OXY** 57-144 2022_02 60 m **bot 16**
611 **OXY** 57-144 2022_02 50 m **bot 17**	**612A** **OXY** 57-144 2022_02 25 m **bot 18**	**612B** **OXY** 57-144 2022_02 25 m **bot 18**	**613** **OXY** 57-144 2022_02 10 m **bot 19**	**614** **OXY** 57-144 2022_02 5 m **bot 20**	**618** **OXY** 57-144 2022_02 0 m **bot 24**

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information	
Cruise Number:	2022_02
Event:	133
Station:	55-144
Event Date (Local):	March 15/22
Analysis Date (Local):	March 17/22
Analyst:	WO
Stdization Date (Local):	March 16/22
KIO_3 N:	0.01186 76
Standard Titer:	0.4786
Blank Titer:	0.00065
THIO N:	0.24852
Sample Flask Water Seal?	Yes / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	
21 - Swallow.xlsx	

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			640	3046	3.7	1.321	
2			641A	1322	3.1	0.6160	
3			642	1002	3.2	0.471	OT
4			643	3143	3.6	0.361	OT
5			644	612	4.0	0.349	OT
6			645	2075	4.4	0.406	OT
7			646	3059	4.8	0.658	
8			647	3020	4.8	0.897	
9			648	458	[illegible]	1.259	(5.2 draw T)
10			649	3192	5.2	1.708	
11			650	2098	5.1	2.046	OT not a great curve
12			651	1418	5.4	2.47	
13			652A	23	5.7	3.212	
14			653	429	5.5	5.584	ST - bubbles formed
15			654	3074	5.4	7.203	OT
16			655	3114	5.4	7.291	
17			656	1442	5.5	7.302	
18			657A	3062	5.7	~~7.375~~	
19			658	3018	5.7	7.279	
20			659	3176	5.7	7.248	
21							
22							
23							
24			663	631	5.7	7.259	

Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2	641B	1432	3.1	0.664	OT
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13	652B	3008	5.7	3.221	
14					
15					
16					
17					
18	657B	3125	5.7		7.286
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.

The temp on the "Run samples" window is 1° warmer than the temp on screen

640
OXY
55-144
2022_02
2000 m
bot 1

641A
OXY
55-144
2022_02
1500 m
bot 2

641B
OXY
55-144
2022_02
1500 m
bot 2

642
OXY
55-144
2022_02
1250 m
bot 3

643
OXY
55-144
2022_02
10000 m
bot 4

644
OXY
55-144
2022_02
800 m
bot 5

645
OXY
55-144
2022_02
600 m
bot 6

646
OXY
55-144
2022_02
400 m
bot 7

647
OXY
55-144
2022_02
300 m
bot 8

648
OXY
55-144
2022_02
250 m
bot 9

649
OXY
55-144
2022_02
200 m
bot 10

650
OXY
55-144
2022_02
175 m
bot 11

651
OXY
55-144
2022_02
150 m
bot 12

652A
OXY
55-144
2022_02
125 m
bot 13

652B
OXY
55-144
2022_02
125 m
bot 13

653
OXY
55-144
2022_02
100 m
bot 14

654
OXY
55-144
2022_02
75 m
bot 15

655
OXY
55-144
2022_02
60 m
bot 16

656
OXY
55-144
2022_02
50 m
bot 17

657A
OXY
55-144
2022_02
25 m
bot 18

657B
OXY
55-144
2022_02
25 m
bot 18

658
OXY
55-144
2022_02
10 m
bot 19

659
OXY
55-144
2022_02
5 m
bot 20

663
OXY
55-144
2022_02
0 m
bot 24

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

IOS

Last Updated: December 2019

Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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_02	1			685	2094	2.4	1.2460	OT	1					
Event:	142	2			686A	3110	2.6	0.7229	OT	2	686B	1470	2.6	0.7276	Started out too high = OT
Station:	53-144	3			687	3194	2.9	0.5216	too high = OT	3					
Event Date (Local):	March 16/22	4			688	942	3.2	0.4389		4					
Analysis Date (Local):	March 18/22	5			689	940	3.6	0.4345 (0.1445)		5					
Analyst:	CW	6			690	3094	4.0	0.3507		6					
Stdization Date (Local):	March 17/22	7			691	1408	4.4	0.2841		7					
KIO_3 N:	0.01186776	8			692	3000	4.5	1.2533		8					
Standard Titer:	0.1778	9			693A	1347	4.5	1.1679		9	693B	3029	4.5	1.1677	too high = OT
Blank Titer:	0.0005	10			694	3056	4.7	~~1.1677~~ 2.512	too high = OT	10					
THIO N:	0.248530	11			695	638	(4.1)	~~2.552~~ ? 3.108		11					
Sample Flask Water Seal?	Yes / No	12			696	3070	5.2	4.5816	~~3.708~~ too high = OT	12					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	13			697	1400	4.9	7.1126		13					
		14	X		698	425	5.2	7.1772		14					
		15			699	712	5.4	7.2226		15					
		16			700	505	5.8	7.2111		16					
		17			701	471	5.8	7.2099	too high = OT	17					
		18			702	1156	5.8	7.2103		18					
		19			703	950	5.8	7.2044		19					
		20			704A	3103	5.8	7.1688		20	704B	1422	5.8	7.172	
		21								21					
		22								22					
		23								23					
		24			708	3084	5.8	7.1889		24					

Notes:
695 - I wonder if draw temp should be 5.1 ?

20 - Shark.xlsx

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.

New $MnCl_2$ bottle

Too high = @ 1.6 O_2 volts the graph shoots too high to establish an end point

685	**686A**	**686B**	**687**	**688**	**689**
OXY	**OXY**	**OXY**	**OXY**	**OXY**	**OXY**
53-144	53-144	53-144	53-144	53-144	53-144
2022_02	2022_02	2022_02	2022_02	2022_02	2022_02
2000 m	1500 m	1500 m	1250 m	1000 m	800 m
bot 1	**bot 2**	**bot 2**	**bot 3**	**bot 4**	**bot 5**
690	**691**	**692**	**693A**	**693B**	**694**
OXY	**OXY**	**OXY**	**OXY**	**OXY**	**OXY**
53-144	53-144	53-144	53-144	53-144	53-144
2022_02	2022_02	2022_02	2022_02	2022_02	2022_02
600 m	400 m	300 m	250 m	250 m	200 m
bot 6	**bot 7**	**bot 8**	**bot 9**	**bot 9**	**bot 10**
695	**696**	**697**	**698**	**699**	**700**
OXY	**OXY**	**OXY**	**OXY**	**OXY**	**OXY**
53-144	53-144	53-144	53-144	53-144	53-144
2022_02	2022_02	2022_02	2022_02	2022_02	2022_02
175 m	150 m	125 m	100 m	75 m	60 m
bot 11	**bot 12**	**bot 13**	**bot 14**	**bot 15**	**bot 16**
701	**702**	**703**	**704A**	**704B**	**708**
OXY	**OXY**	**OXY**	**OXY**	**OXY**	**OXY**
53-144	53-144	53-144	53-144	53-144	53-144
2022_02	2022_02	2022_02	2022_02	2022_02	2022_02
50 m	25 m	10 m	5 m	5 m	0 m
bot 17		**bot 19**	**bot 20**	**bot 20**	**bot 24**