



Cruise and Analysis Information			
Cruise Number:	2024-007		
Event:	001		
Station:	SI		
Event Date (Local):	28 Jun 2024		
Analysis Date (Local):	28 Jun 2024		
Analyst:	ER		
Standardization Date (Local):	28 Jun 2024		
KIO ₃ N:	0.0118719		
Standard Titer:	0.4795399		
Blank Titer:	0.0005582		
THIO N:	0.2477166		
Sample Flask Water Seal?	Yes		
Reagent Change?	MnCl ₂		
(Please circle reagent that was changed prior to sampling and standardization)			
H ₂ SO ₄			
NOTE NEW BATCH IN LOG BOOK			
KIO ₃			
THIO			
Notes:			
Shark.xlsx			
2024-007			
0 m			
bot 12			
2024-007			
5 m			
bot 11			
2024-007			
10 m			
bot 10			
2024-007			
20 m			
bot 9			
2024-007			
20 m			
bot 9			
2024-007			
30 m			
bot 8			
2024-007			
50 m			
bot 6			
2024-007			
100 m			
bot 4			
2024-007			
150 m			
bot 2			
2024-007			
150 m			
bot 2			
2024-007			
150 m			
bot 1			

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

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
Cruise Number:	2024-007		1		17	3138	9.7	3.007				1					
Event:	05		2		18	1312	9.8	3.740				2					
Station:	59		3		19	127	10.1	3.453				3					
Event Date (Local):	28/06/2024		4		20	1055	10.1	3.531				4					
Analysis Date (Local):	28/06/2024		5		21A	2095	10.2	3.601				5	21B	673	10.3	3.606	
Analyst:	DL		6		22	985	10.3	3.809				6					
Standardization Date (Local):	28/06/2024		7		23	631	10.7	4.053				7					
KIO ₃ N:	0.0118719		8		24	3023	10.7	4.197				8					
Standard Titer:	0.4795399		9		25	1309	11.0	4.258				9					
Blank Titer:	0.0005582		10		26A	3192	11.1	4.537				10	26B	190	11.2	4.546	
THIO N:	0.247766		11		27	3057	11.1	4.573				11					
Sample Flask Water Seal?	☒ Yes		12		28	1306	11.3	4.577				12					
	No		13		29	141	11.5	4.688				13					
Reagent Change?	MnCl ₂		14		30	2088	11.8	4.867				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					

Shark.xlsx

17

OXY

59

2024-007

18

OXY

59

2024-007

19

OXY

59

2024-007

20

OXY

59

2024-007

21A

OXY

59

2024-007

21B

OXY

59

2024-007

22

OXY

59

2024-007

23

OXY

59

2024-007

24

OXY

59

2024-007

25

OXY

59

2024-007

26A

OXY

59

2024-007

26B

OXY

59

2024-007

27

OXY

59

2024-007

28

OXY

59

2024-007

29

OXY

59

2024-007

30

OXY

59

2024-007

bot 1

bot 2

bot 3

bot 4

bot 5

bot 5

bot 6

bot 7

bot 8

bot 9

bot 10

bot 10

bot 11

bot 12

bot 13

bot 14



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:	2024-007		1		36	3138	8.6	2.337		1					
Event:	9		2		37	1312	8.7	2.523		2					
Station:	65		3		38A	127	9.3	3.165		3	38B	1055	9.3	3.160	
Event Date (Local):	29/06/2024		4		39	2095	10.0	3.833	OT	4					
Analysis Date (Local):	28/06/24		5		40	673	10.2	3.998		5					
Analyst:	BC		6		41	985	10.7	4.500		6					
Stdization Date (Local):	28/06/24		7		42	631	11.0	4.732		7					
KIO ₃ N:	0.0118719		8		43	3023	11.3	4.884		8					
Standard Titer:	0.4795		9		44	1309	12.3	5.148		9					
Blank Titer:	0.0005582		10		45	3192	12.8	5.192		10					
THIO N:	0.247766		11							11					
Sample Flask Water Seal?	Yes		12							12					
Reagent Change?	No		13							13					
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	NaI/NaOH	14							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	KIO ₃	15							15					
	THIO		16							16					
			17							17					
			18							18					
			19							19					
			20							20					
			21							21					
			22							22					

Notes:

Shark.xlsx

36

2024-007

bot-5 m

bot 1

37

2024-007

100 m

bot 2

38A

2024-007

75 m

bot 3

38B

2024-007

75 m

bot 3

39

2024-007

50 m

bot 4

40

2024-007

40 m

bot 5

41

2024-007

30 m

bot 6

42

2024-007

20 m

bot 7

43

2024-007

10 m

bot 8

44

2024-007

5 m

bot 9

45

2024-007

0 m

bot 10

Integrity check and explain this in the comments column.

if e

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
Cruise Number:	2024-007			1		46	3138	7.9	1.928		1					
Event:	13			2		47	1312	7.9	1.949		2					
Station:	adcp			3		48	127	8.3	2.461		3					
Event Date (Local):	29/06/2024			4		49	1055	8.1	2.801		4					
Analysis Date (Local):	29 Jun 2024			5		50	2095	9.1	3.220		5					
Analyst:	EE			6		51	673	9.4	3.421		6					
Stratization Date (Local):	28 Jun 2024			7		52	985	10.5	3.573		7					
KIO ₃ N:	0.0118719			8		53	631	10.0	4.006		8					
Standard Titer:	0.4795399			9		54	3023	10.9	4.449		9					
Blank Titer:	0.0005582			10		55	1309	11.3	4.672		10					
THIO N:	0.247766 N			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							19					
				20							20					
				21							21					
				22							22					
				23							23					
				24							24					

Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark appropriate column. If either fails the check, then in the comments column.

46

OXY

2024-007

bot 1

47

OXY

2024-007

bot 2

48

OXY

2024-007

bot 3

49

OXY

2024-007

bot 4

50

OXY

2024-007

bot 5

51

OXY

2024-007

bot 6

52

OXY

2024-007

bot 7

53

OXY

2024-007

bot 8



Cruise and Analysis Information				OXY-1 Comments			
Cruise Number:	2024-007	Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)
Event:	29	1		95	1490	10.3	3.616
Station:	56	2		96	1445	10.3	3.618
Event Date (Local):	29/06/2024	3		97	179	10.3	3.660
Analysis Date (Local):	29/06/24	4		98A	2019	10.4	3.754
Analyst:	ac	5		99	1422	10.5	3.815
Stdization Date (Local):	29/06/24	6		100	438	10.6	3.909
KIO ₃ N:	0.0118719	7		101	163	11.0	4.183
Standard Titer:	0.47925	8		102	1421	11.3	4.388
Blank Titer:	0.0006294	9		103A	94	11.3	4.396
THIO N:	0.247837	10		104	3048	11.4	4.454
Sample Flask Water Seal?	Yes	11		105	1466	11.5	4.568
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)	No	12		106	166	11.9	4.875
NOTE NEW BATCH IN LOG BOOK		13		107	638	12.5	5.345
		14		108	996	13.1	5.582
		15					
		16					
		17					
		18					
		19					
		20					
		21					
		22					

Notes:
NaI/NaOH dispenser
Swallow.xlsx
drawing up air

OXY-2 Comments			
Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)
1			
2			
3			
4	98B	162	10.5
5			
6			
7			
8			
9	103B	462	11.3
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			

95	96	97	98A	98B	99	100	101	102	103A	103B	104	105	106	107	108
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007
bot-5 m	200 m	175 m	150 m	150 m	125 m	100 m	75 m	50 m	40 m	40 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14

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
Cruise Number: 2024-007				1	/	110	3138	10.9	3.939		1					
Event: 35				2	/	111A	1312	10.7	3.937		2	111B	127	11.0	3.936	
Station: 46				3	/	112	1055	11.0	4.049		3					
Event Date (Local): 30/06/2024				4	/	113	2095	11.1	4.120		4					
Analysis Date (Local): 30 Jun 2024				5	/	114	673	11.3	4.356	bottom seal leak - slow drip	5					
Analyst: ER				6	/	115	985	11.3	4.311	Niskin B3 not 6	6					
Stratization Date (Local): 29 Jun 2024				7	/	116	631	10.9	4.160		7					
KIO ₃ N: 0.0118719				8	/	117A	3023	11.4	4.378		8	117B	1309	11.4	4.386	
Standard Titer: 0.4790559				9	/	118	3192	11.6	4.534		9					
Blank Titer: 0.00060294				10	/	119	190	12.7	5.390		10					
THIO N: 0.247837				11	/	120	3057	14.7	6.570		11					
Sample Flask Water Seal? Yes				12	/	121	1306	16.3	7.005		12					
Reagent Change? MnCl ₂ (Please circle reagent that was changed prior to sampling and standardization)				14		110 OXY					14					
NOTE NEW BATCH IN LOG BOOK				15		46 OXY					15					
				16		2024-007 bot-5 m					16					
				17		2024-007 bot 1					17					
				18		2024-007 bot 2					18					
Notes:				19							19					
				20		118 OXY					20					
				21		46 OXY					21					
				22		2024-007 bot 9					22					
				23		20 m					23					
				24		20 m					24					

Bottle integrity: First test the top vent (V) by opening the bottle in the appropriate column if either fails the integrity check and explain this in the comments column.

Shark.xlsx

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
Cruise Number:	2024-007	1		122	1490	11.1	3.524				1					
Event:	42	2		123	1445	11.0	3.516				2					
Station:	42	3		124A	179	11.0	3.593				3	124B	2019	11.2	3.591	
Event Date (Local):	30/06/2024	4		125	162	10.9	3.581				4					
Analysis Date (Local):	30 Jun 2024	5		126	1422	10.9	3.729				5					
Analyst:	AK	6		127	438	10.8	3.721				6					
Standardization Date (Local):	29 Jun 2024	7		128	163	10.8	3.358				7					
KIO ₃ N:	0.0118719	8		129	1421	10.7	4.032				8					
Standard Titer:	0.4798559	9		130A	94	10.4	4.010	Endpoint late, adjust w/ O2 check.			9	130B	462	10.5	4.007	
Blank Titer:	0.0006294	10		131	3048	10.7	3.892				10					
THIO N:	0.047837	11		132	1466	11.0	4.033	bottom seal leaky			11					
Sample Flask Water Seal?	Yes	12		133	166	11.0	4.437				12					
Reagent Change?	No	13		134	638	11.9	4.739				13					
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 KIO ₃ THIO	14		135	996	13.0	5.191	bubbles from dispenser			14					
		15		136	1483	7.5	7.607	bubbles from dispenser			15					
		16		137	2092	17.2	6.910	bubbles from dispenser			16					
Notes:	Second Sample returned after collection.	17		122							17					
		18		OXY	123		124A		124B		125		126		127	
		19		42	OXY	42	OXY	42	OXY	42	OXY	42	OXY	42	OXY	128
		20		2024-007	42	2024-007	42	2024-007	42	2024-007	42	2024-007	42	2024-007	42	129
		21		bot 5 m	2024-007	250 m	2024-007	250 m	2024-007	200 m	2024-007	150 m	2024-007	125 m	2024-007	130A
		22		bot 1	300 m	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	130B
		23		132												131
		24		OXY												OXY

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

2024-007 42 133 OXY 42 2024-007 30 m bot 12 open 134 OXY 42 2024-007 20 m bot 13 appropriate 136 OXY 42 2024-007 5 m bot 15 137 OXY 42 2024-007 0 m bot 16 the comments column.

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
Cruise Number:	2024-007		1		165	1490	11.1	3.665		1					
Event:	54		2		166	1445	10.0	3.451		2					
Station:	27		3		167	179	11.0	3.389		3					
Event Date (Local):	30/06/2024		4		168A	2019	16.9	3.619		4	168B	162	11.4	3.621	
Analysis Date (Local):	30/6/24		5		169	1422	10.9	3.818		5					
Analyst:	pe		6		170	438	10.8	3.903		6					
Stdization Date (Local):	29/6/24		7		171	163	10.8	3.952		7					
KIO ₃ N:	0.0118719		8		172	1421	10.7	3.921		8					
Standard Titer:	0.4792559		9		173	94	10.4	3.987		9					
Blank Titer:	0.0006294		10		174	462	10.4	3.782		10					
THIO N:	0.247837		11		175	3048	10.0	3.718		11					
Sample Flask Water Seal?	Yes		12		176	1466	10.6	3.829		12					
	No		13		177A	166	11.5	4.449		13	177B	638	11.6	4.449	
Reagent Change?	MnCl ₂		14		178	996	13.3	6.067		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH		15		179	1483	16.2	6.927		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄		16		180	2092	18.6	6.614		16					
	KIO ₃		17							17					
	THIO		18							18					
Notes:			19							19					
			20							20					
			21							21					

179 OXY 27 2024-007
180 OXY 27 2024-007
bot 15 5 m
bot 16 0 m

Swallow.xlsx

165	166	167	168A	168B	169	170	171	172	173	174	175	176	177A	177B	178
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007
bot-5 m	300 m	250 m	200 m	200 m	175 m	150 m	125 m	100 m	75 m	50 m	40 m	30 m	20 m	20 m	10 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 13	bot 14

**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:	2024-007	1	182	1490	10.9	3.376					1					
Event:	02.	2	183	1445	10.8	3.281					2					
Station:	2	3	184	179	10.7	3.546					3					
Event Date (Local):	01/07/2024	4	185A	2019	10.6	3.652					4	185B	162	10.4	3.648	196 OXY 2
Analysis Date (Local):	01 Jul 2024	5	186	1422	10.6	3.921					5					195 OXY 2
Analyst:	ER	6	187	438	10.4	3.813					6					2024-007 0 m bot 15
Standardization Date (Local):	29 Jun 2024	7	188	163	10.3	3.984					7					2024-007 5 m bot 14
KIO ₃ N:	0.0118719	8	189	1421	10.1	3.876					8					
Standard Titer:	0.4790559	9	190	94	10.4	3.778					9					194 OXY 2
Blank Titer:	0.0006294	10	191	462	10.7	3.845					10					192A OXY 2
THIO N:	0.247837	11	192A	3048	11.1	5.975					11	192B	1466	11.2	3.982	2024-007 10 m bot 13
Sample Flask Water Seal?	Yes	12	193	166	11.6	4.328					12					2024-007 30 m bot 11
Reagent Change?	No	13	194	638	13.5	5.508					13					
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14	195	996	16.7	6.916					14					
NOTE NEW BATCH IN LOG BOOK	NaOH	15	196	1483	18.9	10.392					15					
	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					

Swallow.xlsx

was late (2 min)

to give second shake.

182 OXY 2

250 m

2024-007

bot 2

184 OXY 2

200 m

2024-007

bot 3

185A OXY 2

175 m

2024-007

bot 4

186 OXY 2

150 m

2024-007

187 OXY 2

125 m

2024-007

188 OXY 2

100 m

2024-007

bot 7

189 OXY 2

75 m

2024-007

bot 8

190 OXY 2

30 m

2024-007

bot 11

191 OXY 2

30 m

2024-007

bot 11

192B OXY 2

30 m

2024-007

bot 11

193 OXY 2

30 m

2024-007

bot 11

194 OXY 2

30 m

2024-007

bot 11

195 OXY 2

30 m

2024-007

bot 11

196 OXY 2

30 m

2024-007

bot 11

197 OXY 2

30 m

2024-007

bot 11

198 OXY 2

30 m

2024-007

bot 11

199 OXY 2

30 m

2024-007

bot 11

200 OXY 2

30 m

2024-007

bot 11

201 OXY 2

30 m

2024-007

bot 11

202 OXY 2

30 m

2024-007

bot 11

203 OXY 2

30 m

2024-007

bot 11

204 OXY 2

30 m

2024-007

bot 11

205 OXY 2

30 m

2024-007

bot 11

206 OXY 2

30 m

2024-007

bot 11

207 OXY 2

30 m

2024-007

bot 11

208 OXY 2

30 m

2024-007

bot 11

209 OXY 2

30 m

2024-007

bot 11

210 OXY 2

30 m

2024-007

bot 11

211 OXY 2

30 m

2024-007

bot 11

212 OXY 2

30 m

2024-007

bot 11

213 OXY 2

30 m

202

Bottle integrity: First test the top vent (V) by
2024-007

then fact the sprout by opening the vent. Mark
bot 4
bot 5
bot 6
2024-007

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information				Nisk ID	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:	2024-007			1		214	2089	10.7	3.158	11.0 draw temp	1						
Event:	068			2		215	132	10.8	3.234		2						
Station:	6			3		216A	1337	10.7	3.525		3	216B	940	10.9	3.522		
Event Date (Local):	01/07/2024			4		217	620	10.6	3.594		4						
Analysis Date (Local):	01 Jun 2024			5		218	3089	10.4	3.803		5						
Analyst:	ER			6		219	3025	10.6	3.679		6						
Standardization Date (Local):	29 Jun 2024			7		220	929	10.9	3.807		7						
KIO ₃ N:	0.0118719			8		221	1322	11.5	4.036		8						
Standard Titer:	0.4792559			9		222	1002	11.9	4.295		9						
Blank Titer:	0.0066294			10		223	2047	12.1	4.459		10						
THIO N:	0.247837			11		224	115	14.3	6.281		11						
Sample Flask Water Seal?	Yes			12		225	510	17.0	6.602		12						
Reagent Change?	MnCl ₂			13		226	995	18.3	6.320		13						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH			14		214		215	216A	216B	217	218	219	220	221	222	223
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄			15		OXY		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	KIO ₃			16		6		6	6	6	6	6	6	6	6	6	6
	THIO			17		2024-007		2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007	2024-007
				18		bot-5 m		175 m	150 m	150 m	125 m	100 m	75 m	50 m	40 m	30 m	20 m
Notes:				19		bot 1		bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10
Earth.xlsx				20		224		225	226								
				21		OXY		OXY	OXY								
				22		6		6	6								
				23		2024-007		2024-007	2024-007								
				24		10 m		5 m	0 m								

Bottle integrity: First test the top vent (V) 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



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: 2024-007				1				239		2089		11.6		3.021						1											
Event: 75				2				240		132		11.1		3.155						2											
Station: 12				3				241		1337		11.3		3.326						3											
Event Date (Local): 01/07/2024				4				242A		940		11.0		3.549						4		242B		620		11.2		3.548			
Analysis Date (Local): 1/7/24				5				243		3089		11.2		3.688						5											
Analyst: ac				6				244		3025		10.6		3.712						6											
Standardization Date (Local): 1/7/24				7				245		929		10.6		3.725						7											
KIO ₃ N: 0.0118719				8				246		1322		10.4		3.796						8											
Standard Titer: 0.4793203				9				247		1002		10.7		3.594						9											
Blank Titer: 0.0006949				10				248		2047		10.8		3.594						10											
THIO N: 0.247759				11				249		115		11.0		3.652						11											
Sample Flask Water Seal? Yes				12				250		510		11.8		4.170						12											
Reagent Change? No				13				251		995		12.6		4.685						13											
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NaI/NaOH				14				252		135		14.2		6.057						14											
NOTE NEW BATCH IN LOG BOOK H ₂ SO ₄				15				253		2000		17.8		6.557						15											
KIO ₃				16				254A		182		18.3		6.409						16		254B		901		18.2		6.559			
THIO				17																17											
Notes:				18																18											
				19																19											
				20																20											
				21																21											
				22																22											
239				240		241		242A		243		244		245		246		247		248		249		250		251		252		253	
OXY				OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY		OXY	
12				12		12		12		12		12		12		12		12		12		12		12		12		12		12	
2024-007				2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007		2024-007	
bot-5 m				300 m		250 m		200 m		175 m		150 m		125 m		100 m		75 m		50 m		40 m		30 m		20 m		10 m		5 m	
bot 1				bot 2		bot 3		bot 4		bot 5		bot 6		bot 7		bot 11		bot 12		bot 13		bot 14		bot 15							

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Cruise and Analysis Information				OXY-1 Comments			
Cruise Number:		2024-007					
Event:		78					
Station:		16					
Event Date (Local):		01/07/2024					
Analysis Date (Local):		1/7/24					
Analyst:		AC					
Stdization Date (Local):		1/7/24					
KIO ₃ N:		0.0118719					
Standard Titer:		0.4793					
Blank Titer:		0.0006949					
THIO N:		0.247759					
Sample Flask Water Seal?		Yes					
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:							
Swallow.xlsx							

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				256		1490		10.9		3.216				1											
2				257		1445		10.6		3.319				2											
3				258		179		10.6		3.307				3											
4				259A		2019		10.4		3.584				4		259B		162		10.0		3.596			
5				260		1422		11.0		3.709				5											
6				261		438		11.1		3.836				6											
7				262		163		11.4		3.927				7											
8				263		1421		11.7		4.098				8											
9				264		94		11.8						9											
10				265		462		16.4						10											
11				266		3048		17.0						11											
12														12											
13														13											
14														14											
15														15											
16														16											
17														17											
18														18											
19														19											
20														20											
21														21											

gain this in the comments column.

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
Cruise Number:	2024-007	1		268	1466	11.0	3.326		1					
Event:	81	2		269	166	10.8	3.330	OT	2					
Station:	QU39	3		270A	638	10.7	3.456		3	270B	996	11.2	3.460	
Event Date (Local):	01/07/2024	4		271	1483	10.5	3.547		4					
Analysis Date (Local):	1/7/24	5		272	2092	10.6	3.269		5					
Analyst:	DR	6		273	917	18.6	3.342	15.5 8	6					
Stdization Date (Local):	1/7/24	7		274	2007	10.7	3.313	Nisk 8	7					
KIO ₃ N:	0.0118719	8		275	102	11.4	3.399	Nisk 15	8					
Standard Titer:	0.4793203	9		276	3013	11.0	3.564	Conductivity taken first	9					
Blank Titer:	0.0006949	10		277	3155	12.3	4.437		10					
THIO N:	0.247759	11		278	930	13.6	5.112		11					
Sample Flask Water Seal?	Yes	12		279	1156	15.4	6.063		12					
Reagent Change?	No	13		280	975	18.1	6.652		13					
(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 KIO ₃ THIO	14 15 16 17 18							14 15 16 17 18					
Notes:		19							19					
		20							20					
		21							21					

Swallow.xlsx

268 269 270A 270B 271 272 273 274 275 276 277 278 279 280

OXY OXY OXY OXY OXY OXY OXY OXY OXY OXY OXY OXY OXY OXY

QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39 QU39

2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007 2024-007

bot 1 bot 2 bot 3 bot 3 bot 4 bot 5 bot 6 bot 6 bot 8 bot 9 bot 10 bot 11 bot 12 bot 13

250 m 200 m 200 m 150 m 100 m 75 m 50 m 40 m 30 m 20 m 10 m 5 m 0 m

ments column.

**Institute of Ocean Sciences
Water Properties Group**



Cruise and Analysis Information

[illegible]

Bottle integrity: First test the top vent (V) by opening the top vent cap and blowing into the vent.

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