

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:	2024-006	1		1	3206	7.9	1.924	Air Bubble, redrawn AFTER DIC	1					
Event:	6	2		2A	3178	8.0	2.992		2	2B	1085	8.0	2.995	
Station:	P1	3		3	3196	10.0	6.063		3					
Event Date (Local):	01-05-24	4		4	3171	10.7	7.020		4					
Analysis Date (Local):	02.05.24	5							5					
Analyst:	MC	6							6					
Stdization Date (Local):	02.05.24	7							7					
KIO ₃ N:	0.0118937	8							8					
Standard Titer:	0.496241	9							9					
Blank Titer:	6.0011834	10							10					
THIO N:	0.240084	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		1	2A	2B	3	4	19					
		20		OXY	OXY	OXY	OXY	OXY	20					
Trees.xlsx		21		P1	P1	P1	P1	P1	21					
		22		2024-006	2024-006	2024-006	2024-006	2024-006	22					
		23		Bot-10 m	75 m	75 m	30 m	5 m	23					
		24		bot 1	bot 2	bot 2	bot 3	bot 4	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	Nisk ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2024-006	1		6	3174	7.5	2.116		1					
Event:	8	2		7	3038	7.9	2.485		2					
Station:	P2	3							3					
Event Date (Local):	01-05-24	4		9	3182	9.0	4.258		4					
Analysis Date (Local):	02-05-24	5							5					
Analyst:	MG	6		11	1440	8.9	6.177		6					
Stdization Date (Local):	02-05-24	7							7					
KIO ₃ N:	0.0118937	8							8					
Standard Titer:	0.496241	9							9					
Blank Titer:	0.0011834	10		15A	3191	9.7	5.967		10	15B	3190	9.8	5.970	Re-draw NaOH - Suck Back
THIO N:	0.240084	11							11					
Sample Flask Water Seal?	Yes	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14		19	730	9.7	6.649		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	B	21	3188	10.9	6.641	bottom leaky	16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:		19		6		7		9		19		21		
		20		OXY		OXY		15A		OXY		OXY		
		21		P2		P2		OXY		P2		P2		
		22		2024-006		2024-006		2024-006		2024-006		2024-006		
		23		Bot-10 m		100 m		75 m		25 m		25 m		
		24		bot 1		bot 2		bot 4		bot 6		bot 10		

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 Number: 2024-006	1		61	1314	4.1	0.468		1						
Event: 18	2		62	3034	4.2	0.391		2						
Station: P4	3		63A	912	4.6	0.233		3	63B	3074	4.8	0.235		
Event Date (Local): 01-05-24	4		64	1429	5.0	0.208		4						
Analysis Date (Local): 02-05-24	5		65	1487	5.7	0.382		5						
Analyst: CL	6		66	3133	6.4	1.081		6						
Stdization Date (Local): 02-05-24	7		67	178	6.8	1.621		7						
KIO ₃ N: 0.0168937	8		68	981	7.2	1.888		8						
Standard Titer: 0.496421	9		69	1491	7.9	2.271		9						
Blank Titer: 0.0011834	10		70A	921	8.1	2.584	OVER TITRATE	10	70B	3116	8.1	2.584		
THIO N: 0.240084	11		71	3126	8.5	2.746		11						
Sample Flask Water Seal? Yes	12		72	185	8.6	3.156	Late EP, OT	12						
No	13		73	3148	9.0	3.598		13						
Reagent Change? MnCl ₂	14		74	122	8.9	5.823		14						
(Please circle reagent that was changed prior to sampling and standardization)	15		75	915	9.4	6.165		15						
NOTE NEW BATCH IN LOG BOOK	16		76	569	10.2	6.744		16						
	17		77A	1425	10.5	6.652		17	77B	557	10.6	6.659		
	18		78	188	10.7	6.748	Sampled from Niskin 19 which is leaky	18						
Notes:	19													
	20		61	62	63A	63B	64	65	66	67	68	69	70A	70B
	21		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
	22		P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4
	23		2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
	24		Bot-10 m	1250 m	1000 m	1000 m	800 m	600 m	400 m	300 m	250 m	200 m	175 m	175 m
			bot 1	bot 2	bot 3	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10

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.

71	72	73	74	75	76	77A	77B	78
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P4	P4	P4	P4	P4	P4	P4	P4	P4
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
150 m	125 m	100 m	75 m	50 m	25 m	10 m	10 m	5 m
bot 11	bot 12	bot 13	bot 14	bot 15	bot 16	bot 17	bot 17	bot 18

405000
85638
480040

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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:	2024-006	1		86A	130	3.4	—	started titration w/out lamp on & garbage	1	86B	923	3.8	1.35	Sat open & acidified for 30 minutes
Event:	25 24	2		87	3032	3.8	0.653		2					
Station:	P8	3		88	913	4.1	0.362		3					103 OXY P8
Event Date (Local):	02-05-24	4		89	126	4.4	0.242		4					2024-006 30 m bot 18
Analysis Date (Local):	03-05-24	5		90	1402	4.9	0.225		5					104 OXY P8 25 m bot 19
Analyst:	CHLOE → MORA	6		91	3096	5.4	0.369		6					102 OXY P8 2024-006 40 m bot 17
Stdization Date (Local):	02-05-24	7		92A	3109	6.1	1.099		7	92B	151	6.3	1.095	101 OXY P8 2024-006 50 m bot 16
KIO ₃ N:	0.0118937	8		93	154	6.7	1.668		8					105 OXY P8 20 m bot 20
Standard Titer:	0.496241	9		94	129	7.1	1.983		9					106A OXY P8 15 m bot 21
Blank Titer:	0.0011834	10		95	575	7.5	2.498		10					100B OXY P8 2024-006 60 m bot 15
THIO N:	0.240084	11		96	171	8.0	2.865		11					106B OXY P8 15 m bot 21
Sample Flask Water Seal?	Yes	12		97	903	8.4	2.943		12					100A OXY P8 2024-006 60 m bot 15
	No	13		98	20	8.5	3.815		13					107 OXY P8 10 m bot 22
Reagent Change?	MnCl ₂	14		99	1192	9.0	5.038		14					108 OXY P8 5 m bot 23
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		100A	114	9.3	6.509		15	100B	959	9.3	6.510	99 OXY P8 2024-006 75 m bot 14
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		101	109	9.6	6.651	NO WATER OVERTITRATE LATE IN CURVE	16					108 OXY P8 2024-006 100 m bot 13
	KIO ₃	17		102	3033	10.1	6.762	OVERTITRATE - HIT THE WRONG BUTTON	17					97 OXY P8 2024-006 125 m bot 12
	THIO	18		103	152	10.3	6.752		18					98 OXY P8 2024-006 100 m bot 13
Notes:		19		104	3080	10.4	6.762		19					97 OXY P8 2024-006 125 m bot 12
		20		105	1059	10.5	6.718		20					97 OXY P8 2024-006 125 m bot 12
Snail.xls		21		106A	900	10.7	6.690	NO WATER	21	106B	3041	10.7	7.187	OVERTITRATE x 2
		22		107	2035	10.6	6.688		22					
		23		108	108	10.9	6.662		23					
		24							24					

86A
OXY
P8
2024-006
2000 m
bot 1

86B
OXY
P8
2024-006
2000 m
bot 1

87
OXY
P8
2024-006
1500 m
bot 2

2024-006
1250 m
bot 3

2024-006
P8
OXY
88
bot 4

2024-006
1000 m
P8
OXY
89
bot 5

2024-006
800 m
P8
OXY
90
bot 6

2024-006
600 m
P8
OXY
91
bot 7

2024-006
400 m
P8
OXY
92A
bot 7

2024-006
400 m
P8
OXY
92B
bot 7

2024-006
300 m
P8
OXY
93
bot 8

2024-006
250 m
P8
OXY
94
bot 9

2024-006
150 m
P8
OXY
96
bot 14

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Cruise Number:	2024-006	1		116	1316	2.0	2.236		1					
Event:	28	2		117A	974	2.0	2.271		2	117B	2015	2.8	2.268	
Station:	P12	3		118	3072	3.1	1.812		3					
Event Date (Local):	03-05-24	4		119	994	3.2	1.195		4					
Analysis Date (Local):		5		120	970	3.6	0.600		5					
Analyst:		6		121	140	3.5	0.369		6					
Stdization Date (Local):		7		122A	131	4.8	0.287	Redrawn After 122B	7	122B	1330	4.4	0.299	Late FP, OT
KIO ₃ N:		8		123	908	4.8	0.309	floaters in sample, curve was good	8					
Standard Titer:		9		124	105	6.7	0.588		9					
Blank Titer:		10		125	932	10.1	1.076		10					
THIO N:		11		126	173	7.6	1.540		11					
Sample Flask	Yes	12		127	1485	7.8	1.681		12					
Water Seal?	No	13		128	1424	8.1	1.855		13					
Reagent Change?	MnCl ₂	14	B	129	174	8.2	2.044	Bottom vent leaky	14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		130A	148	8.3	2.179		15	130B	101	8.4	2.167	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		131	964	8.5	2.711		16					
	KIO ₃	17		132	458	8.6	3.136		17					
	THIO	18		133	3046	8.6	5.141	wavy curve, OT, floaters	18					
Notes:		19	B	134	133	9.2	6.450		19					
		20		135	914	9.9	6.734		20					
Moose.xlsx		21		136A	3134	10.0	6.736		21	136B	1300	10.0	6.737	
		22		137	927	9.9	6.742		22					

116	117A	117B	118	119	120	121	122A	122B	123	124	125	126	127	128	129	130A
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
Bot-10 m	3000 m	3000 m	2500 m	2000 m	1500 m	1250 m	1000 m	1000 m	800 m	600 m	400 m	300 m	250 m	200 m	175 m	150 m
bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15

130B	131	132	133	134	135	136A	136B	137
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P12	P12	P12	P12	P12	P12	P12	P12	P12
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
150 m	125 m	100 m	75 m	50 m	25 m	10 m	10 m	5 m
bot 15	bot 16	bot 17	bot 18	bot 19	bot 20	bot 21	bot 21	bot 22

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95 OXY P8 2024-006 200 m bot 10 1034 sticker

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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
Cruise Number:	2024-006	1		228	130	3.5	2.732		1					
Event:	42	2		229	923	3.3	2.670		2					
Station:	P16	3		230	3032	3.3	2.421		3					
Event Date (Local):	04-05-24	4		231	913	3.5	1.910	OT	4					
Analysis Date (Local):	May 5 / 24	5		232	126	3.8	1.249		5					
Analyst:	DL	6		233A	1402	4.1	0.494		6	233B	3096	4.2	0.489	
Stdization Date (Local):	May 5	7		234	3109	4.5	0.323		7					
KIO ₃ N:	0.0118719	8		235	151	4.8	0.303	OT	8					
Standard Titer:	0.4958865	9		236	154	5.3	0.323		9					
Blank Titer:	0.0006782	10		237	129	5.7	0.621		10					
THIO N:	0.239613	11		238	575	6.1	1.185	Dump & redraw (was 5.8 °C)	11					
Sample Flask Water Seal?	Yes	12		239	171	6.2	1.732		12					
	No	13		240A	903	6.5	2.279		13	240B	20	6.5	2.271	
Reagent Change?	MnCl ₂	14		241	1192	6.9	3.210		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		242	114	6.9	4.465		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		243	959	6.9	5.005		16					
	KIO ₃	17		244	109	7.2	5.451		17					
	THIO	18		245A	3033	8.0	5.842		18	245B	152	8.0	5.841	
Notes:		19		246	3080	9.0	6.677		19					
		20		247	1059	9.2	6.725		20					
Snail.xlsx		21		248	900	9.3	6.736		21					

229	228	230	231	232	233A	233B	234	235	236	237	238	239	240A
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
3500 m	Bot-10 m	3000 m	2500 m	2000 m	1500 m	1500 m	1250 m	1000 m	800 m	600 m	400 m	300 m	250 m
bot 2	bot 1	bot 3	bot 4	bot 5	bot 6	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13

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Cruise Number:	2024-006	1		254	3206	3.5	2.477	SAFE	1					
Event:	47	2		255	3178	3.4	2.518	OVERTITRATE LATE IN CURVE	2					
Station:	P18	3		256	1085	3.5	2.348		3					
Event Date (Local):	05-05-24	4		257	3196	3.5	1.860		4					
Analysis Date (Local):	05.05.24	5		258	3171	3.8	1.239		5					
Analyst:	MC	6		259	3174	4.1	0.515		6					
Stdization Date (Local):	05.05.24	7		260A	3038	4.5	0.325		7	260B	3182	4.6	0.329	
KIO ₃ N:	0.118719	8		261	1440	4.9	0.279		8					
Standard Titer:	0.4958865	9		262	3191	5.3	0.323		9					
Blank Titer:	0.0006782	10		263	3190	5.8	0.411		10					
THIO N:	0.239613	11		264	730	6.1	1.002		11					
Sample Flask Water Seal?	Yes	12		265	3188	6.3	1.405		12					
	No	13		266	3151	6.5	1.921		13					
Reagent Change?	MnCl ₂	14		267	3189	6.8	2.550		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		268	3157	7.0	2.941		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		269	3181	7.1	3.252		16					
	KIO ₃	17		270	3184	7.5	3.655		17					
	THIO	18		271	1428	7.9	5.024		18					
Notes:		19		272	3107	8.3	6.811		19					
		20		273A	3160	8.4	6.835		20	273B	167	8.5	6.809	BOTTLE SWITCH?
Trees.xlsx		21		274	3177	8.5	6.805		21					
		22		275	3207	8.5	6.816		22					

254	255	256	257	258	259	260A	260B	261	262	263	264	265	266	267	268	269
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18	P18
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
Bot-10 m	3500 m	3000 m	2500 m	2000 m	1500 m	1250 m	1250 m	1000 m	800 m	600 m	400 m	300 m	250 m	200 m	175 m	150 m
bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15	bot 16

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Cruise and Analysis Information							OXY-1 Comments					OXY-2				
Cruise Number: 2024-006																
Event: 070																
Station: P26																
Event Date (Local): 08-05-24																
Analysis Date (Local): 08-05-2024							late EP, OT									
Analyst: CI																
Stdization Date (Local): 08-05-2024																
KIO ₃ N: 0.0118719 N							late EP, OT									
Standard Titer: 0.49588												4.90.45				
Blank Titer: 0.00067																
THIO N: 0.239612																
Sample Flask Water Seal? ☒ Yes																
Reagent Change? MnCl ₂							floaters in sample, curve was good					6.2 2.333				
(Please circle reagent that was changed prior to sampling and standardization)																
NOTE NEW BATCH IN LOG BOOK							Bottom wat leaky, late EP, OT									
THIO																
Notes:																
Snail.xlsx							ropeped in sample					8.1 6.949				

339	340	341	342A	343	344	345	346	347A	348	349
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P26	P26	P26	P26	P26	P26	P26	P26	P26	P26	P26
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
Bot-10 m	4000 m	3500 m	3000 m	2500 m	2000 m	1500 m	1250 m	1000 m	800 m	600 m
bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11

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)					
Cruise Number:	2024-006	1		429	1316	4.0	2.959							1						200 m	175 m	150 m	125 m
Event:	83	2		430	974	3.8	2.857							2						bot 14	bot 15	bot 16	bot 17
Station:	P20	3		431	2015	3.8	2.501							3									
Event Date (Local):	09-05-24	4		432A	3072	4.0	1.900							4	432B	994	4.2	1.898		2024-006	2024-006	2024-006	2024-006
Analysis Date (Local):	9/9/2024	5		433	970	4.4	1.216							5						100 m	75 m	50 m	25 m
Analyst:	CI	6		434	140	4.7	0.531							6						bot 18	bot 19	bot 20	bot 21
Stdization Date (Local):	8/5/2024	7		435	131	5.0	0.378							7									
KIO ₃ N:	0.0118719	8		436	1330	5.4	0.329							8						450	451A	451B	
Standard Titer:	0.4958811	9		437A	908	5.7	0.338							9	437B	105	5.8	0.332		OXY	OXY	OXY	
Blank Titer:	0.00067	10		438	932	6.0	0.467							10						P20	P20	P20	
THIO N:	0.239612	11		439	173	6.2	0.050							11						2024-006	2024-006	2024-006	
Sample Flask Water Seal?	Yes	12		440	1485	6.4	1.495							12						10 m	5 m	5 m	
	No	13		441	1424	6.6	2.021							13						bot 22	bot 23	bot 23	
Reagent Change?	no	14		442A	174	6.8	2.613							14	442B	148	6.9	2.610					
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	15		443	101	7.1	2.858							15									
	NaI/NaOH	16		444	964	7.1	3.228							16									
	H ₂ SO ₄	17		445	458	7.4	3.948							17									
NOTE NEW BATCH IN LOG BOOK	KIO ₃	18		446	3046	7.6	4.609							18									
	THIO	19		447	133	8.3	6.847							19									
Notes:		20		448	914	8.7	6.930							20									
		21		449	3134	8.9	6.946							21									
Moose.xlsx		22		450	1300	8.9	6.946							22									
		23			927	9.0	6.946							23	451B	107	9.0	6.950					
		24												24									

429
OXY
P20
2024-006
Bot-10 m
bot 1

430
OXY
P20
2024-006
3500 m
bot 2

431
OXY
P20
2024-006
3000 m
bot 3

432A
OXY
P20
2024-006
2500 m
bot 4

432B
OXY
P20
2024-006
2500 m
bot 5

433
OXY
P20
2024-006
2000 m
bot 5

434
OXY
P20
2024-006
1500 m
bot 6

435
OXY
P20
2024-006
1250 m
bot 7

436
OXY
P20
2024-006
1000 m
bot 8

437A
OXY
P20
2024-006
800 m
bot 9

438
OXY
P20
2024-006
600 m
bot 10

439
OXY
P20
2024-006
400 m
bot 11

440
OXY
P20
2024-006
300 m
bot 12

441
OXY
P20
2024-006
250 m
bot 13

442A
OXY
P20
2024-006
200 m
bot 14

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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: 2024-006	1		456	130	7.0	2.670	REMOVED A LUMP FROM FLASK	1					
Event: 096	2		457	923	10.7	3.024		2					
Station: 12	3		458	3032	10.6	3.285		3					
Event Date (Local): 12-05-24	4		459	913	10.4	3.549		4					
Analysis Date (Local): 13.05.24	5		460A	126	10.3	3.836		5	460B	1402	10.3	3.834	
Analyst: MG	6		461	3096	10.1	4.113		6					
Stdization Date (Local): 12.05.24	7		462	3109	9.9	4.323		7					
KIO ₃ N: 0.0118719	8		463	151	10.2	4.031		8					
Standard Titer: 0.4957173	9		464	154	10.3	4.411		9					
Blank Titer: 0.0007582	10		465A	129	10.4	4.559		10	465B	575	10.4	4.685	? NAOH DISPENSE ?
THIO N: 0.239645	11		466	171	10.6	4.929		11					
Sample Flask Water Seal? Yes	12		467	903	10.5	4.899		12					
No	13		468	20	12.8	8.381		13					
Reagent Change? MnCl ₂	14		469	1192	13.1	8.641		14					
(Please circle reagent that was changed prior to sampling and standardization)	15		470	114	13.2	8.633		15					
NaI/NaOH	16							16					
H ₂ SO ₄	17							17					
NOTE NEW BATCH IN LOG BOOK	18							18					
KIO ₃	19							19					
THIO	20							20					
Notes:	21							21					
Snail.xlsx													

456	457	458	459	460A	460B	461	462	463	464	465A	465B	466	467	468	469	470
OXY	OXY	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	12	12
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
Bot-5 m	300 m	250 m	200 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 5	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15

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200 ul pipette manually used
dispenser broken

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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: 2024-006	1		487	1316	11.3	2.701	redraw, bubble seen	1					Salinity, DIC, CIL sampled
Event: 99	2		488A	974	10.8	3.419		2	488B	2015	10.9	3.417	
Station: 27	3		489	3072	10.5	4.117		3					
Event Date (Local): 12-05-24	4		490	994	10.5	4.479		4					
Analysis Date (Local): 13-05-24	5		491	970	14.3	8.308		5					
Analyst: MG	6		492	140	15.0	8.366		6					
Stdization Date (Local): 12-05-24	7							7					
KIO ₃ N: 0.0118719	8							8					
Standard Titer: 0.4957173	9							9					
Blank Titer: 0.0007582	10							10					
THIO N: 0.239645	11							11					
Sample Flask Water Seal? Yes	12							12					
	13							13					
Reagent Change? MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	15							15					
NOTE NEW BATCH IN LOG BOOK	16							16					
	17							17					
	18							18					
Notes: had to use manual pipette for NaI/NaOH	19							19					
	20							20					
Moose.xlsx	21							21					
as both bottle top dispensers were clogged	22		487	488A	488B	489	490	491	492				
	23		OXY	OXY	OXY	OXY	OXY	OXY	OXY				
	24		27	27	27	27	27	27	27				

Bottle integrity: First test the top vent (V) by c 2024-006 2024-006 2024-006 2024-006 2024-006 2024-006 2024-006
Bot-5 m 300 m 300 m 250 m 200 m 5 m 0 m
bot 1 bot 2 bot 2 bot 3 bot 4 bot 5 bot 6
either fails the integrity check and explain this in the comments column.

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:	2024-006					1		504	3206	10.8	3.336		1						
Event:	101 103					2		505A	3178	10.6	3.644		2	505B	1085	10.5	3.650		
Station:	42					3		506	3196	10.3	4.288		3						
Event Date (Local):	12-05-24					4		507	3171	10.2	4.389		4						
Analysis Date (Local):	13-05-24					5		508	3174	10.1	4.162		5						
Analyst:	MG					6		509	3038	10.1	4.809		6						
Stdization Date (Local):	12-05-24					7		510A	3182	10.0	4.576		7	510B	1440	10.0	4.575		
KIO ₃ N:	0.0118719					8		511	3191	10.0	4.542		8						
Standard Titer:	0.495773					9		512	3190	10.3	5.006		9						
Blank Titer:	0.0007582					10		513	730	10.6	5.449		10						
THIO N:	0.039645					11		514	3188	11.3	6.489		11						
Sample Flask Water Seal?	Yes					12		515	3151	13.5	8.190		12						
	No					13		516	3189	14.3	7.643	CHANGE NISKIN 5163 IN FILE TO 516	13						
Reagent Change?	MnCl ₂					14		517	3157	14.1	7.185		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						
Trees.xlsx						21							21						

504	505A	505B	506	507	508	509	510A	510B	511	512	513	514	515	516	517
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006	2024-006
Bot-5 m	250 m	250 m	200 m	150 m	125 m	100 m	75 m	75 m	50 m	40 m	30 m	20 m	10 m	5 m	0 m
bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14