

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:	2021-006	1				5	557	7.1	1.601		1					
Event:	10	2				6A	2014	8.1	6.121		2	608	339	6.127	ended re gone last	
Station:	P1	3				7	658	9.1	8.319		3					
Event Date (Local):	4 MAY 21	4									4					
Analysis Date (Local):	4 MAY 21	5									5					
Analyst:	MB	6									6					
Standardization Date (Local):	2 MAY 21	7									7					
KIO ₃ N:	0.018246	8									8					
Standard Titer:	0.4899	9									9					
Blank Titer:	0.0009	10									10					
THIO N:	0.24175	11									11					
Sample Flask Water Seal?	<input checked="" type="radio"/> Yes	12									12					
Reagent Changed?	No	13									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									14					
Notes:		15									15					
		16									16					
		17									17					
		18									18					
		19									19					
		20									20					
		21									21					
		22									22					
		23									23					
		24									24					

SWANESSA

nt (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.

5 6A 6B 7
 OXY OXY OXY OXY
 P1 P1 P1 P1
 2021-006 2021-00 2021-0 2021-006
 Bot-10 n 30 m 30 n 5 m
 bot 3

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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:	2021-006	1		12	3051	7.2	1.545	No WATER SEAL	1					
Event:	11	2		13	1035	7.4	1.648		2					
Station:	P2	3		14	931	7.7	3.220		3					
Event Date (Local):	4/may/2021	4		15	3040	7.7	3.218		4					
Analysis Date (Local):	4/may/2021	5		16A	3176	8.0	3.688		5	16B	1472	8.0	3.689	
Analyst:	NR	6		17	3118	8.1	5.704	6						
Standardization Date (Local):	2/may/2021	7		18	1402	10.1	7.127	7						
KIO ₃ N:	0.0118246	8		19	3085	10.1	7.126	8						
Standard Titer:	0.4899	9						9						
Blank Titer:	0.0009	10						10						
THIO N:	0.24175	11						11						
Sample Flask Water Seal?	Yes	12						12						
Reagent Changed?	No	13						13						
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14						14						
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15						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						

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

2021-006 P2 12 OXY 100 m bot 1
 2021-006 P2 13 OXY 75 m bot 2
 2021-006 P2 14 OXY 75 m bot 3
 2021-006 P2 15 OXY 75 m bot 4
 2021-006 P2 16A OXY 50 m bot 5
 2021-006 P2 16B OXY 50 m bot 5
 2021-006 P2 17 OXY 25 m bot 6
 2021-006 P2 18 OXY 10 m bot 7
 2021-006 P2 19 OXY 5 m bot 8

~~SWR~~
 SWR 2021-006

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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:	2021-006						1		56	2016	4.4	0.582		1									
Event:	20						2		57	3173	4.5	0.425	OVER-TITRATE	2									
Station:	P4						3		58	3116	4.6	0.410		3									
Event Date (Local):	4 MAR 2021						4		59	3090	5.1	0.241		4									
Analysis Date (Local):	4 MAR 2021						5		60	2015	5.7	0.263		5									
Analyst:	MB						6		61A	3036	5.9	0.429	->	6	61B	1422	6.0	0.433					
Standardization Date (Local):	9 MAR 2021						7		62	712	6.5	1.075		7									
KIO ₃ N:	0.0118246						8		63	1416	6.9	1.778		8									
Standard Titer:	0.4899						9		64	2094	7.2	2.012		9									
Blank Titer:	0.0009						10		65	3054	7.8	2.440		10									
THIO N:	0.24175						11		66A	2015	8.1	2.425	->	11	66B	1408	8.1	2.425					
Sample Flask Water Seal?	Yes						12		67	3010	8.1	2.640		12									
Reagent Changed?	No						13		68	458	8.3	3.305		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		69	1442	8.4	4.513		14									
							15		70	3038	8.5	6.060		15									
							16		71A	3162	8.6	6.731		16	71B	3044	8.6	6.740					
							17		72	3143	9.3	7.269		17									
							18		73	3175	10.2	7.296		18									
							19		74	3144	10.4	7.251		19									
							20							20									
							21							21									
							22							22									
							23							23									
Notes:	SHAKE																						
	56	57	58	59	60	61A	61B	62	63	64	65	66A	66B	67	68	69	70	71A	71B	72	73	74	
	OXY	OXY	OXY	OXY	OXY	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	P4	P4	P4	P4	P4	
	2021-0C	2021-0	2021-00	2021-0C	2021-0	2021-00	2021-0C	2021-0	2021-0	2021-0C	2021-0	2021-0	2021-0C	2021-0	2021-0C	2021-0	2021-00	2021-0C	2021-0	2021-0C	2021-0	2021-006	
	1250	1250 m	1250 m	1000 n	2021-0	800 r	600 m	600 m	400 n	300 n	250 m	200 r	175 n	175 m	150 n	125 m	100'	75* m	50* m	50* n	25* m	10* n	5* m
	bot 1	bot 3	bot 4	bot 4	bot 5	bot 6	bot 6	bot 7	bot 8	bot 9	bot 9	bot 1	bot 1	bot 12	bot 13	bot 15	bot 16	bot 16	bot 17	bot 17	bot 1	bot 19	

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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
2021-006	2000 m	1		90	425	4.2	1.343		1					
2021-006	bot 1	2		91A	465	4.4	0.679		2	91B	690	4.5	0.677	113 OXY P8
2021-006	91A	3		92	429	4.7	0.385		3					
2021-006	OXY P8	4		93	207	5.2	0.239	OVER-TITRATE	4					2021-006 5* m
2021-006	1500 m	5		94	138	8.56	0.267		5					
2021-006	hot 2	6		95	196	5.7	0.494		6					bot 24
2021-006	91B	7		96	933	6.2	1.088		7					112 OXY P8
2021-006	OXY P8	8		97	3008	6.5	1.821		8					
2021-006	1500 m	9		98A	1015	6.7	2.284		9	98B	569	6.9	2.284	2021-006 P8
2021-006	bot 2	10		99	3007	7.1	2.949		10					
2021-006	OXY P8	11		100	2000	7.3	3.446		11					10* m
2021-006	1500 m	12		101	1053	7.4	3.786		12					bot 23
2021-006	bot 2	13		102A	2069	7.6	3.989		13	102B	691	7.6	3.986	111 OXY P8
2021-006	OXY P8	14		103	2040	8.0	4.346		14					
2021-006	1250 m	15		104	1019	8.3	6.237		15					2021-006 P8
2021-006	bot 3	16		105	94	8.3	6.682		16					15* m
2021-006	OXY P8	17		106	2075	8.5	6.763		17					bot 22
2021-006	93	18		107	2088	8.7	6.935	OVER-TITRATE	18					110 OXY P8
2021-006	OXY P8	19		108A	650	9.0	6.985		19	108B	1470	9.0	6.987	2021-006 P8
2021-006	1000 m	20		109	2090	9.1	7.046		20					20* m
2021-006	bot 4	21		110	438	9.4	7.093		21					2021-006 P8
2021-006	OXY P8	22		111	3070		7.018	Missed temp. recording	22					bot 21
2021-006	94	23		112	3108	9.8	7.010		23					
2021-006	OXY P8	24		113	1322	9.8	7.010		24					
2021-006	800 m	25		114	1322	9.8	7.010		25					
2021-006	600 m	26		115	1322	9.8	7.010		26					
2021-006	400 m	27		116	1322	9.8	7.010		27					
2021-006	300 m	28		117	1322	9.8	7.010		28					
2021-006	250 m	29		118	1322	9.8	7.010		29					
2021-006	250 m	30		119	1322	9.8	7.010		30					
2021-006	200 m	31		120	1322	9.8	7.010		31					
2021-006	bot 10	32		121	1322	9.8	7.010		32					
2021-006	175 m	33		122	1322	9.8	7.010		33					
2021-006	bot 11	34		123	1322	9.8	7.010		34					
2021-006	150 m	35		124	1322	9.8	7.010		35					
2021-006	125 m	36		125	1322	9.8	7.010		36					
2021-006	125 m	37		126	1322	9.8	7.010		37					
2021-006	100*	38		127	1322	9.8	7.010		38					
2021-006	75* m	39		128	1322	9.8	7.010		39					
2021-006	60* m	40		129	1322	9.8	7.010		40					
2021-006	50* m	41		130	1322	9.8	7.010		41					
2021-006	40* m	42		131	1322	9.8	7.010		42					
2021-006	30* m	43		132	1322	9.8	7.010		43					
2021-006	bot 19	44		133	1322	9.8	7.010		44					
2021-006	30* m	45		134	1322	9.8	7.010		45					
2021-006	25* m	46		135	1322	9.8	7.010		46					
2021-006	bot 19	47		136	1322	9.8	7.010		47					
2021-006	30* m	48		137	1322	9.8	7.010		48					
2021-006	25* m	49		138	1322	9.8	7.010		49					
2021-006	bot 19	50		139	1322	9.8	7.010		50					
2021-006	30* m	51		140	1322	9.8	7.010		51					
2021-006	25* m	52		141	1322	9.8	7.010		52					
2021-006	bot 19	53		142	1322	9.8	7.010		53					
2021-006	30* m	54		143	1322	9.8	7.010		54					
2021-006	25* m	55		144	1322	9.8	7.010		55					
2021-006	bot 19	56		145	1322	9.8	7.010		56					
2021-006	30* m	57		146	1322	9.8	7.010		57					
2021-006	25* m	58		147	1322	9.8	7.010		58					
2021-006	bot 19	59		148	1322	9.8	7.010		59					
2021-006	30* m	60		149	1322	9.8	7.010		60					
2021-006	25* m	61		150	1322	9.8	7.010		61					

Notes:
 Sampled 24-1
 (Surface to deep)
 -bind box

over spigot (S) then test the spigot by opening the v



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Cruise and Analysis Information		NIS k ID	NIS 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: 2021-006		1		1314	2016	2.7	2.278		1	1318	3173	2.9	2.282	
Event: 29		2		132	3116	2.8	2.260		2					
Station: P12		3		133	3090	2.8	2.245		3					
Event Date (Local): 6-Mar-21		4		134	2015	2.9	1.849		4					
Analysis Date (Local): 6-Mar-21		5		135	3036	2.3	1.342		5					
Analyst: MR		6		136A	1422	2.7	0.644		6	136B	712	2.9	0.644	
Standardization Date (Local): 5-Mar-21		7		137	1416	2.9	0.334		7					
KIO ₃ N: 0.0118246		8		138	2094	4.5	0.265		8					
Standard Titer: 0.4899		9		139	3054	4.9	0.297		9					
Blank Titer: 0.0009		10		140	2025	5.4	0.589		10					
THIO N: 0.241814		11		141	1408	5.8	1.463		11					
Sample Flask Water Seal? Yes		12		142	3010	6.1	2.393		12	143B	1442	6.6	3.153	
Reagent Change? No		13		143A	458	6.5	3.157		13					
(Please circle reagent that was changed prior to sampling and standardization)		14		144	3038	6.8	3.781		14					
NOTE NEW BATCH IN LOG BOOK		15		145	3162	7.1	4.257		15					
		16		146	3094	7.3	4.589		16					
		17		147	3143	7.7	5.114		17					
		18		148	3175	8.2	6.045		18					
		19		149	3144	8.4	6.746		19					
		20		150	3121	8.5	6.829	OVER-TITRATE	20					
		21		151	3192	9.3	6.715		21					
		22		152	3083	9.2	6.310		22					
		23		153A	3161	9.2	6.711	Failed interlock fest	23	153B	612	9.2	6.709	

Notes:
Started from the "deep"
→ bot 21 = start

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Cruise and Analysis Information		NIS ID	NIS K	NIS Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments				NIS ID	NIS K	NIS Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments			
Cruise Number:	2021-006	1		216	2089	2.6	2.746					1									
Event:	52	2		217	371	2.6	2.768					2									
Station:	P16	3		218	3009	2.8	2.415					3									
Event Date (Local):	7m+21	4		219	3100	2.8	2.415					4									
Analysis Date (Local):	7m+21	5		220A	2043	3.1	1.859					5	220B	2619	3.1	1.856					
Analyst:	MB	6		221	3000	3.1	1.352					6									
Standardization Date (Local):	7m+21	7		222	2027	3.5	0.583					7									
KIO ₃ N:	0.0118246	8		223A	3032	3.9	0.339					8	223B	2044	4.0	0.335					
Standard Titer:	0.4900	9		224	3072	4.4	0.255					9									
Blank Titer:	0.0009	10		225	3080	4.7	0.303					10									
THIO N:	0.241869	11		226	3099	5.2	0.528					11									
Sample Flask Water Seal?	Yes	12		227	505	5.6	1.163					12									
Reagent Change?	No	13		228	3049	5.8	1.777					13									
(Please circle reagent that was changed prior to sampling and standardization)	MnCl ₂	14		229	3057	6.1	2.380					14									
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15		230	1429	6.7	2.761					15									
	H ₂ SO ₄	16		231A	980	6.9	3.161					16	231B	1409	6.9	3.163					
	KIO ₃	17		232	2082	7.1	3.807					17									
	THIO	18		233	3127	7.2	4.664					18									
Notes:		19		234	3145	7.3	6.876					19									
		20		235A	2092	7.5	6.953					20	235B	3074	7.5	6.949					
		21		236	471	7.7	6.974					21									
		22		237	3046	8.4	6.884					22									
		23		238	3073	8.5	6.883					23									
		24		239	1055	8.5	6.887					24									
opening the lower spigot (S) then test the spigot by c				226																	
then if either fails the integrity check and explain this in				227																	

OXY P16 2021-006 5* m bot 24
 OXY P16 2021-006 10* m bot 23
 OXY P16 2021-006 25* m bot 22
 OXY P16 2021-006 236
 OXY P16 2021-006 50* m bot 21
 OXY P16 2021-006 75* m bot 21
 OXY P16 2021-006 75* n bot 2
 OXY P16 2021-006 234
 OXY P16 2021-006 233
 OXY P16 2021-006 175 m bot 16
 OXY P16 2021-006 150 bot 16
 OXY P16 2021-006 125 m bot 16
 OXY P16 2021-006 100* r bot 16

323

OXY

P20

2021-006

Bot-10 m

bot 1

324A

OXY

P20

2021-006

3500 m

bot 2

324B

OXY

P20

2021-006

3500 m

bot 2

325

OXY

P20

2021-006

3000 m

bot 3

326

OXY

P20

2021-006

3000 m

bot 4

327

OXY

P20

2021-006

2500 m

bot 5

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Cruise and Analysis Information

Cruise Number:	2021-006
Event:	64
Station:	220
Event Date (Local):	8 MAY 21
Analysis Date (Local):	11 MAY 21
Analyst:	MB/HS
Standardization Date (Local):	11 MAY 21
KIO ₃ N:	0.018246
Standard Titer:	0.4903
Blank Titer:	0.0009
THIO N:	0.24158
Sample Flask Water Seal?	<input checked="" type="checkbox"/> Yes
Reagent Change?	No

(Please circle reagent that was changed prior to sampling and standardization)
NOTE NEW BATCH IN LOG BOOK

MnCl₂ NaI/NaOH H₂SO₄ KIO₃ THIO

Notes: Big WHITE

then test the spigot by opening the vent. Mark 'x' in

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then test the spigot by opening the vent. Mark 'x' in

Dissolved Oxygen Analysis Log Sheet



418
OXY
P26
2021-006

Bot-10 m
bot 1

Institute of Ocean Sciences
Water Properties Group

441B
OXY
P26
2021-006
5* m
bot 24

441A
OXY
P26
2021-006
5* m
bot 24

440
OXY
P26
2021-006
10* m
bot 23

Cruise and Analysis Information

Cruise Number: 2021-006

Event: 77

Station: P26

Event Date (Local): 10 MAY

Analysis Date (Local): 11 MAY 21

Analyst: MB

Standardization Date (Local): 11 MAY 21

KIO₃ N: 0.0118246

Standard Titer: 0.49903

Blank Titer: 0.0009

THIO N: 0.24158

Sample Flask Water Seal? Yes

Reagent Change? No

(Please circle reagent that was changed prior to sampling and standardization)

NOTE NEW BATCH IN LOG BOOK

NaI/NaOH

H₂SO₄

KIO₃

THIO

Notes: *Spigot off*

Success

2021-006

2500 m
bot 5

422B
OXY
P26

423
OXY
P26

424
OXY
P26

425
OXY
P26

426
OXY
P26

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

OXY-1 Comments

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

OXY-2 Comm

Nisk K ID	Nisk Int V S	Sample ID	Flask 1	Draw Temp 1 (°C)	OXY-1 (mL/L)
1		418	425	2.5	3.191
2		419	465	2.5	3.137
3		420	690	2.6	2.908
4		421	429	2.6	2.454
5		422	2084	2.9	1.786
6		423	196	3.0	1.152
7		424	983	3.4	0.535
8		425	3008	3.6	0.429
9		426	615	4.0	0.417
10		427	5694	4.4	0.462
11		428	2000	4.7	0.603
12		429	1053	5.2	1.218
13		430	2069	5.3	1.789
14		431	691	5.5	2.347
15		432	2040	5.7	2.989
16		433A	1019	5.9	3.681
17		434	2075	6.1	4.282
18		435	2088	6.2	5.882
19		436	650	6.3	7.065
20		437	1470	6.4	7.123
21		438	2090	6.7	7.209
22		439	438	7.7	7.015
23		440	3070	7.8	7.019
24		441A	3108	7.7	7.022

Nisk K ID	Sample ID	Flask 2	Draw Temp 2 (°C)	OXY-2 (mL/L)
1				
2				
3				
4				
5	4287B	1378	3.1	1.786
6				
7				
8				
9				
10	569B	3007	4.5	0.471
11				
12				
13				
14				
15				
16	433B	94	5.9	3.682
17				
18				
19				
20				
21				
22				
23				
24	441B	1322	7.7	7.015

opening the lower spigot (S) then test the spigot by o

if either fails the integrity check and explain this in

433B
OXY
P26

434
OXY
P26

435
OXY
P26

2021-006

100* m
bot 19



Dissolved Oxygen Analysis Log Sheet

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Water Properties Group

Cruise and Analysis Information		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)	OXY-2 Comments
Cruise Number:	2021-006	1	465A	557	7.9	7.042		1	465B	2044	7.9	7.033	
Event:	84	2	466A	339	7.9	7.039		2	466B	658	7.9	7.039	
Station:	PA-015	3	467A	730	7.9	7.040		3	467B	3051	7.9	7.034	
Event Date (Local):	10MAY21	4						4					
Analysis Date (Local):	11MAY21	5						5					
Analyst:	MB	6						6					
Stdization Date (Local):	11MAY21	7						7					
KIO ₃ N:	0.0118246	8						8					
Standard Titer:	0.4903	9						9					
Blank Titer:	0.0009	10						10					
THIO N:	0.24158	11						11					
Sample Flask Water Seal?	<input checked="" type="radio"/> Yes <input type="radio"/> No	12						12					
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 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

465A OXY PA-015 2021-006 10 m bot 1
 465B OXY PA-015 2021-006 10 m bot 1
 466A OXY PA-015 2021-006 5 m bot 2
 466B OXY PA-015 2021-006 5 m bot 2
 467A OXY PA-015 2021-006 0 m bot 3
 467B OXY PA-015 2021-006 0 m 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:	2021-006	1							1					
Event:	107	2							2					
Station:	CHAT3	3							3					
Event Date (Local):	13/05/2021	4							4					
Analysis Date (Local):	15/09/2021	5		640	425	7.4	5.180		5					
Analyst:	MB	6							6					
Stdization Date (Local):	15/09/21	7		642	1465	7.5	5.611		7					
KIO ₃ N:	0.0118246	8		643	690	7.7	5.898		8					
Standard Titer:	0.48941	9							9					
Blank Titer:	0.0007	10							10					
THIO N:	0.241857	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					
		23							23					
		24							24					

Notes:
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CHAT3 CHAT3 CHAT3
2021-006 2021-006 2021-006
50* m 40* m 30* m
bot 5 bot 7 bot 8

At 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		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:	2021-006	1							1					
Event:	121	2							2					
Station:	CHAT2	3							3					
Event Date (Local):	May 14	4							4					
Analysis Date (Local):	15 May 121	5							5					
Analyst:	MR	6							6					
Standardization Date (Local):	15 May 121	7		793	2087	7.6	5.801		7					
KIO ₃ N:	0.0118246	8		794A	1378	7.6	6.015		8	794B	196	7.6	6.014	
Standard Titer:	0.4894	9		795	933	8.0	6.544		9					
Blank Titer:	0.0007	10							10					
THIO N:	0.241857	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	14							14					
NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15							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					

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.

793
OXY
CHAT2
2021-00
50 m
bot 7

794A
OXY
CHAT2
2021-00
40* m
bot 1

794B
OXY
CHAT2
2021-00
40* m
bot 8

795
OXY
CHAT2
2021-006
30* m
bot 9

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:	2021-006	1		861	1015	7.3	4.552		1					
Event:	131	2							2					
Station:	CHAT1	3		863	569	7.3	4.655		3					
Event Date (Local):	14/05/2021	4							4					
Analysis Date (Local):	15 May 21	5		865A	3007	7.5	5.115	→	5	865B	2000	7.5	5.114	RAN 'B' BEFORE 'A'
Analyst:	MB	6							6					
Stdization Date (Local):	0.41894	7		867	1053	7.4	5.917		7					
KIO ₃ N:	0.0118246	8							8					
Standard Titer:	6.4894	9		869	2069	7.9	6.394		9					
Blank Titer:	0.0007	10							10					
THIO N:	0.241852	11		871	691	8.0	6.567		11					
Sample Flask Water Seal?	Yes	12							12					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	13		873	2040	8.2	6.679	Low Voltage CP, HSGI SED. WANTED	13					
LOG BOOK	H ₂ SO ₄	14		875	1019	9.0	6.961		14					
	KIO ₃	15		877	94	9.1	7.001		15					
	THIO	16							16					
		17							17					
		18							18					
		19							19					
		20							20					
		21							21					
		22							22					
Notes:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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

2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006 2021-006
 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1 CHAT1
 B-5* 100* m 75* m 75* m 50* m 30* n 20* n 10* f 5* m 0* m
 bot 3 bot 5 bot 5 bot 7 bot 9 bot 1 bot 1 bot 15 bot 17

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Dissolved Oxygen Analysis Log Sheet

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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:	2021-006			1		910	2088	7.8	5.958		1					
Event:	B35			2		911	650	7.8	5.944		2					
Station:	CH26			3		912A	1470	7.8	6.047	→	3	912B	2090	7.8	6.050	
Event Date (Local):	14/05/2021			4		913	438	8.2	6.629		4					
Analysis Date (Local):	15MAY21			5		914	3070	8.4	6.720		5					
Analyst:	MB			6		915	3108	8.7	6.746		6					
Standardization Date (Local):	15MAY21			7		916	1322	9.0	6.843		7					
KIO ₃ N:	0.0118246			8		917	2086	9.0	6.943		8					
Standard Titer:	0.4894			9							9					
Blank Titer:	0.0007			10							10					
THIO N:	0.241857			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:				23							23					
				24							24					

by opening the vent. Mark 'X' in the appropriate column if either fails the integrity check and explain this in the comments column.

910 911 912A 912B 913 914 915 916 917
 OXY OXY OXY OXY OXY OXY OXY OXY OXY
 CH26 CH26 CH26 CH26 CH26 CH26 CH26 CH26 CH26
 2021-0C 2021-0C 2021-0C 2021-00 2021-0C 2021-0C 2021-0C 2021-0C 2021-006
 B-5* m 75* m 50* m 50* m 30* m 20* m 10* m 5* m 0* m
 bot 1 bot 2 bot 3 bot 3 bot 4 bot 5 bot 6 bot 7 bot 8

Dissolved Oxygen Analysis Log Sheet

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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:	2021-006			1							1					
Event:	136			2		919	557	7.9	6.325		2					
Station:	CH27			3		920	2014	8.1	6.592		3					
Event Date (Local):	14/05/2021			4		921A	339	8.2	6.742		4	921B	658	8.2	6.746	
Analysis Date (Local):	15 MAR 21			5		922	730	8.2	6.577	Low V GP, HIGH SED. WATER?	5					
Analyst:	MBL MAR 21			6		923	3051	8.3	6.629		6					
Standardization Date (Local):	15 MAR 21			7		924	1035	8.7	6.861		7					
KIO ₃ N:	0.0118246			8							8					
Standard Titer:	0.4894			9							9					
Blank Titer:	0.0007			10							10					
THIO N:	0.241857			11							11					
Sample Flask Water Seal?	Yes			12							12					
Reagent Change?	MnCl ₂			13							13					
(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					
	KIO ₃			16							16					
	THIO			17							17					
Notes:				18							18					
				19							19					
				20							20					
				21							21					
				22							22					
				23							23					
				24							24					

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919 OXY 920 OXY 921A OXY
 CH27 CH27 CH27
 2021-006 2021-006 2021-00

921B OXY 922 OXY 923 OXY
 CH27 CH27 CH27
 2021-00 2021-00 2021-006

924 OXY
 CH27
 2021-006

0* m
 10* m
 20* m
 30* m
 bot 3
 bot 4
 bot 5
 bot 6
 bot 7

When 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.