

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

2345678



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2020-008						1		1	3134	10.0	2.486		1						
Event:	3						2		2	1059	10.1	2.542		2						
Station:	59						3		3	1054	10.1	2.582		3						
Event Date (Local):	12 Aug 2020						4		4A	3021	10.6	2.821	⇒	4	4B	3104	10.6	2.818		
Analysis Date (Local):	12 Aug 2020						5		5	3170	10.9	2.978		5						
Analyst:	KS						6		6	3150	11.3	3.255		6						
Stdization Date (Local):	12 August 2020						7		7	639	11.4	3.298		7						
KIO ₃ N:	0.0118929						8		8	3056	11.8	3.492	- Blip near endpoint causing it to be late. OT ✓	8						
Standard Titer:	0.48115						9		9	3034	12.2	3.644		9						
Blank Titer:	0.00052						10		10A	2084	12.7	3.850	⇒	10	10B	1002	12.7	3.850		
THIO N:	0.24736						11		11	3035	13.9	4.482		11						
Sample Flask Water Seal?	☒ Yes						12		12	647	14.8	5.014		12						
	No						13		13	3061	15.8	5.480		13						
Reagent Change?	☒ MnCl ₂ 2001						14	1	2	3	4A	4B	5	6	7	8	9	10A	10B	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16	59	59	59	59	59	59	59	59	59	59	59	59	
	KIO ₃						17	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	
	THIO						18	Bot-5 m	200 m	150 m	100 m	100 m	80 m	60 m	50 m	40 m	30 m	20 m	20 m	
Notes:							19	bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	
							20	11	12	13										
							21	OXY	OXY	OXY										
							22	59	59	59										
							23	2020-008	2020-008	2020-008										
							24	10 m	5 m	0 m										

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

bot 11

bot 12

te

bot 13

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 T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments		
Cruise Number:	2020 008	1		14	3050	8.7	1.445		1							
Event:	5	2		15	3091	8.7	1.472		2							
Station:	JF2	3		16	3140	8.7	1.529		3							
Event Date (Local):	13.08.20	4		17A	3047	8.8	1.714		4	17B	3094	8.8	1.719	CAUGHT TIP #1		
Analysis Date (Local):	13 Aug 2020	5		18	3114	9.3	1.972		5							
Analyst:	VS	6		19	621	9.8	2.717		6							
Stdization Date (Local):	12 Aug 2020	7		20	620	10.0	2.834		7							
KIO ₃ N:	0.0118929	8		21	3106	10.4	3.157		8							
Standard Titer:	0.48115	9		22	3096	11.0	3.518		9							
Blank Titer:	0.00052	10		23	3089	11.6	4.021		10							
THIO N:	0.24736	11		24	3066	12.5	5.104		11							
Sample Flask Water Seal?	Yes	12		25	3146	12.7	5.559		12							
	No	13		26A	3110	12.8	5.574		13	26B	3147	12.8	5.569			
Reagent Change?	MnCl ₂	14		14				17A	17B	18	19	20	21	22	23	24
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		OXY				OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		JF2				JF2	JF2	JF2	JF2	JF2	JF2	JF2	JF2	JF2
	KIO ₃	17		2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008
	THIO	18		Bot-5 m	150 m	125 m	100 m	100 m	80 m	60 m	50 m	40 m	30 m	20 m	10 m	
Notes:		19		bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 11	
		20		25	26A	26B										
		21		OXY	OXY	OXY										
		22		JF2	JF2	JF2										
		23		2020-008	2020-008	2020-008										
		24		5 m	0 m	0 m										
				bot 12	bot 13	bot 13										

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

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 T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number: 2020-008	1	✓	✓	27	3093	9.1	1.354	Ran sample without H_2O in bath. Ops											
Event: 8 9	2	✓	✓	28a	745	10.1	2.860												
Station: P1	3	✓	✓	29	3084	13.0	8.083												
Event Date (Local): Aug 13, 2020	4																		
Analysis Date (Local): 13 Aug 2020	5																		
Analyst: KS	6			27	28A	28B	29												
Stdization Date (Local): 12 Aug 2020	7			OXY	OXY	OXY	OXY												
KIO ₃ N: 0.0118929	8			P1	P1	P1	P1												
Standard Titer: 0.48115	9			2020-008	2020-008	2020-008	2020-008												
Blank Titer: 0.00052	10			Bot-10 m	30 m	30 m	5 m												
THIO N: 0.24736	11			bot 1	bot 2	bot 2	bot 3												
Sample Flask Water Seal? ☒ Yes ☐ No	12																		
Reagent Change? MnCl ₂	13																		
(Please circle reagent that was changed prior to sampling and standardization)	14																		
NOTE NEW BATCH IN LOG BOOK	15																		
	16																		
	17																		
	18																		
Notes:	19																		
Turtle	20																		
	21																		
	22																		
	23																		
	24																		

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

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Turtle

Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020-008	1		41	1223	9.3	2.793	9.3°C	1					
Event:	12	2		42A	3023	9.3	3.177	⇒	2	42B	389	9.3	3.172	
Station:	P2	3		43	3062	9.6	4.361		3					
Event Date (Local):	13 Aug 2020	4		44	3018	9.6	4.380		4					
Analysis Date (Local):	13 Aug 2020	5		45	3117	9.8	5.542		5					
Analyst:	KS	6		46	3161	11.0	3.302		6					
Stdization Date (Local):	12 Aug 2020	7		47	3132	12.5	4.414		7					
KIO ₃ N:	0.0118929	8		48	3053	15.2	7.069		8					
Standard Titer:	0.48115	9							9					
Blank Titer:	0.00052	10		41	42A	42B	43	44	45	46	47	48		
THIO N:	0.24736	11		OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY		
Sample Flask Water Seal?	Yes	12		P2	P2	P2	P2	P2	P2	P2	P2	P2		
	No	13		2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008		
Reagent Change?	MnCl ₂	14		Bot-10 m	100 m	100 m	75 m	75 m	50 m	25 m	10 m	5 m		
	NaI/NaOH	15		bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8		
(Please circle reagent that was changed prior to sampling and standardization)	H ₂ SO ₄	16												
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17												
	THIO	18												
Notes:		19												
		20												
		21												
		22												
		23												
		24												

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

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Octopus



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Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020-008	1		66	3134	6.8	0.513			1									
Event:	15	2		67A	1059	6.3	0.422 =>			2	67B	1054	6.2	0.415					
Station:	P4	3		68	3021	6.1	0.405			3									
Event Date (Local):	13 Aug 2020	4		69	3104	6.5	0.242			4									
Analysis Date (Local):	13 Aug 2020	5		70	3170	6.8	0.234			5									
Analyst:	KS	6		71	3150	7.1	0.427			6									
Stdization Date (Local):	14 Aug 2020	7		72	639	7.6	1.122			7									
KIO ₃ N:	0.018929	8		73	3056	7.9	1.878			8									
Standard Titer:	0.48115	9		74A	3034	8.4	2.444 =>			9	74B	2084	8.4	2.444					
Blank Titer:	0.00052	10		75	1002	8.9	2.897			10									
THIO N:	0.24736	11		76	3035	9.1	3.094			11									
Sample Flask Water Seal?	Yes	12		77	647	9.3	3.002			12									
	No	13		78	3061	9.4	3.646			13									
Reagent Change?	MnCl ₂	14		79	2063	9.7	4.466			14									
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		80	3028	9.5	5.991			15									
	H ₂ SO ₄	16		81	631	10.3	6.453			16		657							
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17		82A	3125	11.6	6.438 =>			17	82B	657	11.8	6.431					
	THIO	18		83	638	14.7	6.266			18									
Notes:		19		84	1312	15.3	6.595			19									
std titer: 0.48848		20								20									
blk titer: 0.00055		21								21									
thio N: 0.24755		22								22									
KIO ₃ N: 0.0120864		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.

[illegible]

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Bender

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments	
Cruise Number:	2020-008	1		88	2098	7.0	1.337							1						
Event:	25	2		89	371	7.3	0.647							2						
Station:	P8	3		90A	3009	7.4	0.392	⇒						3	90B	3100	7.6	0.390		
Event Date (Local):	14 Aug 2020	4		91	2043	7.6	0.236							4						
Analysis Date (Local):	14 Aug 2020	5		92A	2019	7.8	0.232	⇒						5	92B	2027	8.1	0.228		
Analyst:	KS	6		93	3000	7.9	0.595							6						
Stdization Date (Local):	14 Aug 2020	7		94	3032	8.4	1.486							7						
KIO ₃ N:	0.0120864	8		95	2047	8.9	2.341							8						
Standard Titer:	0.00	9		96	3072	9.2	3.064							9						
Blank Titer:	0.00655	10		97A	3030	9.4	3.666	⇒						10	97B	309	9.5	3.667		
THIO N:	0.24755	11		98	505	9.4	4.103							11						
Sample Flask Water Seal?	Yes	12		99	3049	9.7	4.362							12						
	No	13		100	3057	9.9	5.356							13						
Reagent Change?	MnCl ₂	14		101	1429	10.0	6.383							14						
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		102	930	10.8	6.494							15						
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		103	1409	11.9	6.634							16						
	KIO ₃	17		104	2032	13.8	6.356							17						
	THIO	18		105	3127	16.7	6.395							18						
Notes:		19		106	3145	18.4	5.821							19						
		20		107	2092	18.6	5.757							20						
		21		108A	3074	18.7	5.755	⇒						21	108B	471	18.7	5.755		
		22		109	3046	18.7	5.753							22						
		23		110	3073	18.8	5.752							23						
		24		111	1055	19.2	5.740							24						

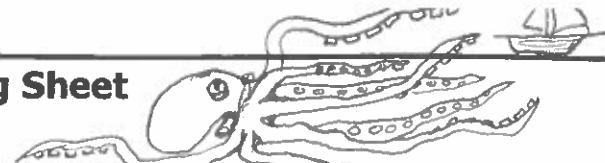
Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

88	89	90A	90B	91	92A	92B	93	94	95	96	97A	97B	98	99	100
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008
2000 m	1500 m	1250 m	1250 m	1000 m	800 m	800 m	600 m	400 m	300 m	250 m	200 m	200 m	175 m	150 m	125 m
bot 1	bot 2	bot 3	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
101	102	103	104	105	106	107	108A	108B	109	110	111	CAST 0025			
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY				
P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8				
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008				
100 m	75 m	60 m	50 m	40 m	30 m	25 m	20 m	20 m	15 m	10 m	5 m				
bot 14	bot 15	bot 16	bot 17	bot 18	bot 19	bot 20	bot 21	bot 21	bot 22	bot 23	bot 24				

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Cruise and Analysis Information		Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020008	1		125A	3134	6.8	2.299		1	125B	1059	5.9	2.292	
Event:	36	2		126	1054	5.7	2.271		2					
Station:	P12	3		127	3021	5.6	2.270		3					
Event Date (Local):	15-08-20	4		128	3104	5.7	1.891		4					
Analysis Date (Local):	17 Aug 2020	5		129	3170	5.9	1.308		5					
Analyst:	KS	6		130	3150	6.2	0.635		6					
Stdization Date (Local):	17 Aug 2020	7		131	639	6.5	0.349		7					
KIO ₃ N:	0.0120864	8		132	3056	6.8	0.270		8					
Standard Titer:	0.48862	9		133	3034	7.1	0.281		9					
Blank Titer:	0.00066	10		134A	2084	7.5	0.553		10	134B	1002	7.5	0.556	
THIO N:	0.24762	11		135	3035	7.9	1.430		11					
Sample Flask Water Seal?	Yes	12		136	647	8.3	2.321		12					
	No	13		137	3061	8.7	3.019		13					
Reagent Change?	MnCl ₂	14		138	2063	8.9	3.668		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		139	3028	9.1	4.220		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ #1902	16		140	631	9.4	4.625		16					
	KIO ₃	17		141A	3125	9.8	5.217		17	141B	657	9.9	5.217	
	THIO	18		142	638	10.2	6.298		18					
Notes:		19		143	1312	11.1	6.414		19					
		20		144	462	12.1	6.444		20					
		21		145	2097	14.5	6.557	5.851	21					
		22		146	2095	18.5	8.8	2 stir bars. Removed 1 w Forceps.	22	Gravel				
		23		147A	3042	19.1	5.776		23	147B	673	19.2	5.775	
		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.

125A	125B	126	127	128	129	130	131	132	133	134A	134B	135	136	137	138
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
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008
Bot-10 m	Bot-10 m	3000 m	3000 m	2500 m	2000 m	1500 m	1250 m	1000 m	800 m	600 m	600 m	400 m	300 m	250 m	200 m
bot 1	bot 1	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 10	bot 10	bot 11	bot 12	bot 13	bot 14
139	140	141A	141B	142	143	144	145	146	147A	147B	CAST 0036				
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY					
P12	P12	P12	P12	P12	P12	P12	P12	P12	P12	P12					
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008					
175 m	150 m	125 m	125 m	100 m	75 m	50 m	25 m	10 m	5 m	5 m					
bot 15	bot 16	bot 17	bot 17	bot 18	bot 19	bot 20	bot 21	bot 22	bot 23	bot 23					

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Cruise Number:	2020-008	1		206	456	6.0	2.744							1					
Event:	44	2		207	2098	5.4	2.683							2					
Station:	P16	3		208	611	5.2	2.681							3					
Event Date (Local):	16 Aug 2020	4		209A	3025	5.3	2.415							4	209B	2007	5.4	2.412	
Analysis Date (Local):	17 Aug 2020	5		210	3041	5.6	1.893							5					
Analyst:	KS	6		211	3155	5.7	1.220							6					
Stdization Date (Local):	17 Aug 2020	7		212A	3120	5.9	0.514							7	212B	622	6.0	0.504	
KIO ₃ N:	0.0120864	8	Hg	213	3044	6.3	0.305							8					
Standard Titer:	0.48862	9		214	3101	6.6	0.297	-Runaway OT ✓						9					
Blank Titer:	0.00066	10		215	3078	6.9	0.351	↳ late endpoint.						10					
THIO N:	0.24762	11		216	3048	7.3	0.429							11					
Sample Flask Water Seal?	☒ No	12		217	3131	7.4	1.491							12					
Reagent Change?	MnCl ₂	13		218A	3079	7.7	2.228							13	218B	3142	7.8	2.227	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		219	2065	8.1	2.970							14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15		220	3133	8.5	3.557							15					
	KIO ₃	16		221	3158	8.6	3.897							16					
	THIO	17		222	3005	8.9	3.970							17					
Notes: Lock Ness		18		223	2049	9.1	4.747							18					
2 1/2 hours with no water seal. At least they were left outside in the cooland gas exchange seems minimal		19		224	1406	9.7	6.056							19					
		20		225A	3037	10.3	6.453							20	225B	303	10.3	6.453	
		21		226	3059	11.8	6.484							21					
		22		227	3080	16.1	6.068							22					
		23		228	1459	16.3	5.974							23					
		24		229	3190	16.3	5.950							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.
based on the results.

206	207	208	209A	209B	210	211	212A	212B	213	214	215	216	217	218A	218B
OXY	OXY	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	P16	P16
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008
Bot-10 m	3500 m	3500 m	3000 m	3000 m	2500 m	2000 m	1500 m	1500 m	1250 m	1000 m	800 m	600 m	400 m	300 m	300 m
bot 1	bot 2	bot 3	bot 4	bot 4	bot 5	bot 6	bot 7	bot 7	bot 8	bot 9	bot 10	bot 11	bot 12	bot 13	bot 13
219	220	221	222	223	224	225A	225B	226	227	228	229	CAST 0044			
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY				
P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16	P16				
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008				
250 m	200 m	175 m	150 m	125 m	100 m	75 m	75 m	50 m	25 m	10 m	5 m				
bot 14	bot 15	bot 16	bot 17	bot 18	bot 19	bot 20	bot 20	bot 21	bot 22	bot 23	bot 24				

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group



Last Updated: July 2015

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020008						1		279	456	6.0	2.988	PUSHED OK NOT GG NEED TO RECALCULATE WITH VOLUME THE SECOND 456 IS ACTUALLY 2098 WEIRD END PRESSED FINISH INSTEAD OVERTITRATE	1					
Event:	60						2		280	2098	5.6	3.153		2					
Station:	P20						3		281	611	5.4	2.839		3					
Event Date (Local):	18.08.20						4		282	3029	5.5	0.497		4					
Analysis Date (Local):	19.08.20						5		283	2067	5.7	1.927	→	5	283B	3041	5.8	2.425	
Analyst:	MG						6		284	3155	5.7	1.241		6					
Stdization Date (Local):	17.08.20						7		285	3120	6.0	0.500		7					
KIO ₃ N:	0.0120864						8		286	622	6.2	0.345		8					
Standard Titer:	0.4886183						9		287A	3044	6.4	0.331	→	9	287B	3101	6.5	0.329	
Blank Titer:	0.0006585						10		288	3078	6.7	0.385		10					
THIO N:	0.24769						11		289	3048	7.0	0.554		11					
Sample Flask Water Seal?	Yes						12		290	3131	7.3	1.223		12					
	No						13		291	3079	7.7	1.970		13					
Reagent Change?	MnCl ₂						14		292	3142	7.9	2.545		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15		293	2065	8.4	2.960		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16		294A	3133	8.5	3.335	→	16	294B	3158	8.7	3.334	
	KIO ₃						17		295	3005	8.7	3.963		17					
	THIO						18		296	2049	8.9	4.801		18					
Notes:							19		297	1406	9.3	6.432		19					
							20		298	3037	10.0	6.623		20					
							21		299	3103	12.3	6.595		21					
							22		300	3059	16.3	6.064		22					
							23		301A	3080	16.8	6.014	→	23	301B	1459	16.9	6.016	
							24		302	3196	16.8	6.012		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.

279	280	281	282	283A	283B	284	285	286	287A	---	---	OXY	OXY	OXY	OXY	OXY
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY
P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008
Bot-10 m	3500 m	3500 m	3000 m	2500 m	2500 m	2000 m	1500 m	1250 m	1000 m	1000 m	800 m	600 m	400 m	300 m	250 m	
bot 1	bot 2	bot 3	bot 4	bot 5	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	
293	294A	294B	295	296	297	298	299	300	301A	301B	302					
OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY	OXY					
P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20	P20					
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008					
200 m	175 m	175 m	150 m	125 m	100 m	75 m	50 m	25 m	10 m	10 m	5 m					
bot 15	bot 16	bot 16	bot 17	bot 18	bot 19	bot 20	bot 21	bot 22	bot 23	bot 23	bot 24					

CAST 0060

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Sea Turtle.



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020-008	1		401	3050	5.7	3.170			1									
Event:	78	2		402A	3091	5.9	3.125	⇒		2	402B	1407	6.0	3.128					
Station:	P26	3		403	3047	5.9	2.876	- EP late despite nice curve. OT ✓		3									
Event Date (Local):	20 August '20	4		404	3194	6.0	2.428			4									
Analysis Date (Local):	23 August 2020	5		405	3114	6.2	1.831			5									
Analyst:	KS	6		406A	621	6.2	1.153	⇒		6	406B	620	6.3	1.154					
Stdization Date (Local):	23 August 2020	7		407	3106	6.87	0.560			7									
KIO ₃ N:	0.0120864	8		408	3096	6.7	0.414			8									
Standard Titer:	0.48846	9		409	3089	6.9	0.423			9									
Blank Titer:	0.00050	10		410	3066	7.1	0.497			10									
THIO N:	0.24757	11		411	3146	7.4	0.678			11									
Sample Flask Water Seal?	Yes	12		412A	3110	7.6	1.219	⇒		12	412B	3147	7.7	1.221					
	No	13		413	3065	7.9	1.818	- Runaway. OT ✓		13									
Reagent Change?	MnCl ₂	14		414	3093	7.9	2.519			14									
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		415	745	8.3	3.124			15									
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		416	435	8.3	3.629			16									
	KIO ₃	17		417	3084	8.5	4.786			17									
	THIO	18		418	3209	8.5	5.247			18									
Notes:	Added 2 ml of acid to samples to increase rate of dissolution.	19		419	1223	8.7	6.845			19									
		20		420	3023	9.3	6.896			20									
		21		421A	3199	10.3	6.971	⇒		21	421B	3062	11.1	6.973	- Very different draw T. This may be the result of Kenny's poor memory.				
		22		422	3018	14.6	6.173			22									
		23		423	3117	15.0	6.098			23									
		24		424	3161	14.9	6.097			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.

401 OXY P26 2020-008 Bot-10 m bot 1	402A OXY P26 2020-008 4000 m bot 2	402B OXY P26 2020-008 4000 m bot 2	403 OXY P26 2020-008 3500 m bot 3	404 OXY P26 2020-008 3000 m bot 4	405 OXY P26 2020-008 2500 m bot 5	406A OXY P26 2020-008 2000 m bot 6	406B OXY P26 2020-008 2000 m bot 6	407 OXY P26 2020-008 1500 m bot 7	408 OXY P26 2020-008 1250 m bot 8	409 OXY P26 2020-008 1000 m bot 9	410 OXY P26 2020-008 800 m bot 10	411 OXY P26 2020-008 600 m bot 11	412A OXY P26 2020-008 400 m bot 12	412B OXY P26 2020-008 400 m bot 12	413 OXY P26 2020-008 300 m bot 13
414 OXY P26 2020-008 250 m bot 14	415 OXY P26 2020-008 200 m bot 15	416 OXY P26 2020-008 175 m bot 16	417 OXY P26 2020-008 150 m bot 17	418 OXY P26 2020-008 125 m bot 18	419 OXY P26 2020-008 100 m bot 19	420 OXY P26 2020-008 75 m bot 20	421A OXY P26 2020-008 50 m bot 21	421B OXY P26 2020-008 50 m bot 21	422 OXY P26 2020-008 25 m bot 22	423 OXY P26 2020-008 10 m bot 23	424 OXY P26 2020-008 5 m bot 24	CAST 0078			

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Bender



Last Updated: July 2018

Cruise and Analysis Information							Nisk ID	Nisk Int V S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments	Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
Cruise Number:	2020-008	1		425	2089	6.9	0.465							1					
Event:	86	2		426A	371	6.9	0.366 =>							2	426B	3009	7.0	0.368	
Station:	P4 (revisal)	3		427	3100	6.9	0.367							3					
Event Date (Local):	23 Aug 2020	4		428	2043	7.2	0.230							4					
Analysis Date (Local):	24.08.20	5		429	2019	7.5	0.849							5					
Analyst:	ME	6		430	2027	7.8	0.478							6					
Stdization Date (Local):	23 Aug 2020	7		431	3000	8.3	1.192							7					
KIO ₃ N:	0.0120864	8		432	3032	8.7	1.889	FORGOT TO TIP IN, STOP THIO, START AGAIN						8					
Standard Titer:	0.48846	9		433A	2047	8.9	2.336 =>							9	433B	3072	9.0	2.325	
Blank Titer:	0.00050	10		434	3030	9.3	2.713							10					
THIO N:	0.24757	11		435	3109	9.4	2.854							11					
Sample Flask Water Seal?	Yes	12		436	505	9.6	3.402							12					
	No	13		437	3049	9.6	3.457							13					
Reagent Change?	MnCl ₂	14		438	3057	9.9	3.691							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		439	1429	9.9	6.446							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		440	930	11.1	6.458							16					
	KIO ₃	17		441A	1409	15.8	6.380 =>							17	441B	2032	15.7	6.378	
	THIO	18		442	3127	18.5	5.773							18					
Notes:		19		443	3145	18.8	5.764							19					

425	426A	426B	427	428	429	430	431	432	433A	433B	434	435	436	437	438	439
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
2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-008	2020-00
Bot-10 m	1250 m	1250 m	1250 m	1000 m	800 m	600 m	400 m	300 m	250 m	250 m	200 m	175 m	150 m	125 m	100 m	75 m
bot 1	bot 2	bot 2	bot 3	bot 4	bot 5	bot 6	bot 7	bot 8	bot 9	bot 9	bot 10	bot 11	bot 12	bot 13	bot 14	bot 15
440	2020-008	50 m	441A	2020-008	25 m	441B	2020-008	25 m	442	2020-008	10 m	443	2020-008	5 m	444	2020-008
OXY		bot 16	OXY		bot 17	OXY		bot 17	OXY		bot 18	OXY		bot 19		
P4			P4			P4			P4							