

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

P3 - rosette mid bed O₂ sensor

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:	20701	1		104	3007	4.9	0.271	Memcapis leaking	1					
Event:	16	2		105	690	7.1	5.072		2					
Station:	P3	3		106	425	8.9	6.321		3					
Event Date (Local):	7 FEB 2017	4							4					
Analysis Date (Local):	8 FEB 2017	5							5					
Analyst:	MB	6							6					
Stdization Date (Local):	8 FEB 2017	7							7					
KIO ₃ N:	0.0119758	8							8					
Standard Titer:	0.475	9							9					
Blank Titer:	0.0003	10							10					
THIO N:	0.24054	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					
	H ₂ SO ₄	16							16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17							17					
	THIO	18							18					
Notes:		19							19					
Forgot draw temps in box file		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.

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Cruise and Analysis Information							OXY-1					OXY-2						
Nisk ID	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					
1			25	3056	8.9	0.487		1										
2			26	1059	4	0.397		2										
3			27A	8021	3.9	0.385		3	27B	2086	4	0.383						
4			28	8104	4.4	0.248		4										
5			29	2084	4.9	0.261		5										
6			30	3108	5.5	0.679		6										
7			31	3088	6.5	2.207		7										
8			32	3019	8.1	2.249		8										
9			33	2078	7.3	2.497		9										
10			34	639	7.7	2.680		10										
11			35A	1053	7.8	2.759	over-titrated	11	35B	715	7.8	2.759						
12			36	1002	7.9	3.063		12										
13			37	2035	8.1	3.511		13										
14			38	3061	8.4	4.208		14										
15			39	2073	8.2	5.719		15										
16			40	647	8.3	6.263		16										
17			41	1054	8.1	6.314		17										
18			42	620	8.0	6.323		18										
19			43A	631	8.0	6.351		19	43B	2095	8.1	6.354						
20								20										
21								21										
22								22										
23								23										
24								24										

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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int 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:	2017-01						1			107	3148	2.5	2.998		1					Bad bottom leak
Event:	32						2			108	3145	2.4	2.888		2					
Station:	P20						3			109A	3150	2.4	2.888	⇒	3	109B	3126	2.4	2.867	
Event Date (Local):	09/02/17						4			110	3129	2.4	2.567		4					
Analysis Date (Local):	10 FEB 2017						5			111	3135	2.6	1.991		5					
Analyst:	MB						6			112	3125	2.8	1.301		6					
Stdization Date (Local):	10 FEB 2017						7			113	3132	3.3	0.534		7					
KIO ₃ N:	0.019758						8			114	3072	3.5	0.321		8					
Standard Titer:	0.4982						9			115	3138	3.9	0.282		9					
Blank Titer:	0.0003						10			116	3142	4.4	0.316		10					
THIO N:	0.240577						11			117A	3028	4.7	0.488	⇒	11	117B	3144	4.8	0.485	
Sample Flask Water Seal?	Yes						12			118	3016	5.1	1.284		12					
	No						13			119	3133	5.4	2.018		13					
Reagent Change?	MnCl ₂						14			120	3193	5.6	2.520		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15			121	3134	6.1	3.206		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16			122	569	6.3	3.908		16					
	KIO ₃						17			123	3147	6.5		→ Forgot acid!	17					
	THIO						18			124A	3022	6.7	5.129	⇒	18	124B	3143	6.7	5.127	
Notes:	Bender						19			125	2014	6.7	6.800		19					
							20			126	3036	6.6	6.857		20					
							21			127	3146	6.6	6.814		21					
							22			128	3209	6.6	6.829		22					
							23			129	3066	6.5	6.830		23					
							24			130A	3194	6.5	6.826	⇒ 7	24	130B	3059	6.5	6.830	

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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: 2017-01		1		289	3056	2.6	-	Sample mis-capped Lost	1					
Event: 50		2		290	1059	2.4	3.171		2					
Station: P26		3		291	3021	2.4	2.908		3					
Event Date (Local): 12 FEB 2017		4		292	2086	2.6	2.094		4					
Analysis Date (Local): 13 FEB 2017		5		293A	3104	2.8	1.871	⇒	5	293B	2084	2.8	1.874	
Analyst: MB		6		294	3108	2.8	1.204		6					
Standardization Date (Local): 13 FEB 2017		7		295	3088	3.2	0.546		7					
KIO ₃ N: 0.011978		8		296	3019	3.5	0.386		8					
Standard Titer: 0.4983		9		297	2075	3.8	0.376		9					
Blank Titer: 0.0006		10		298	639	4.2	0.555	low end voltage, should have OT'd?	10					
THIO N: 0.240668		11		299	1053	4.7	1.187		11					
Sample Flask Water Seal? ☒ Yes ☐ No		12		300	715	5.0	1.391		12					
Reagent Change? ☒ MnCl ₂ ☐ NaI/NaOH ☐ H ₂ SO ₄ ☐ KIO ₃ ☐ THIO		13		301	1002	5.5	2.054		13					
(Please circle reagent that was changed prior to sampling and standardization)		14		302A	3035	5.7	2.548	⇒	14	302B	3061	5.7	2.548	
NOTE NEW BATCH IN LOG BOOK		15		303	2073	6.0	3.668		15					
		16		304	647	6.3	3.823		16					
		17		305	1054	6.5	4.385		17					
		18		306	620	6.6	4.940		18					
Notes: Octopus		19		307	631	6.8	6.958		19					
		20		308A	2095	6.8	7.046	⇒?	20	308B	638	6.8	6.901	
		21		309	657	6.8	6.916		21					
		22		310	3007	6.8	6.926		22					
		23		311	690	6.8	6.948	cap gear	23					
		24		312A	425	6.8	6.950	⇒	24	312B	2085	6.8	6.947	

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Cruise Number:	2017-01	1		354	3056	28	3.040		1					
Event:	68	2		355	1059	26	2.701		2					
Station:	P16	3		356A	2021	2.7	2.679		3	356B	2086	2.8	2.689	
Event Date (Local):	15 FEB 2017	4		357	3104	2.8	2.438		4					
Analysis Date (Local):	16 FEB 2017	5		358	2084	2.9	1.884		5					
Analyst:	MB	6		359	3108	3.1	1.301		6					
Stdization Date (Local):	16 FEB 2017	7		360	3088	3.5	0.499		7					
KIO ₃ N:	0.011978	8		361	3019	3.8	0.333		8					
Standard Titer:	0.4979	9		362	2075	4.0	0.325		9					
Blank Titer:	0.0002	10		363A	689	4.5	0.336		10	363B	1053	4.6	0.325	over-titrated
THIO N:	0.240582	11		364	715	5.0	0.571		11					
Sample Flask Water Seal?	Yes	12		365	1002	5.5	1.151		12					
	No	13		366	3035	5.4	1.838		13					
Reagent Change?	MnCl ₂	14		367	3061	6.2	2.361		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		368	2093	6.7	2.951		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		369A	649	7.0	3.204		16	369B	1054	7.0	3.197	
	KIO ₃	17		370	620	7.3	3.424		17					
	THIO	18		371	681	7.7	3.958		18					
Notes:		19		372	2095	7.8	6.107		19					
		20		373	688	7.7	6.694		20					
		21		374	657	7.7	7.222	over-titrated, 2x	21					
		22		375	3007	7.7	6.770		22					
		23		376	690	7.7	6.780		23					
		24		377A	425	7.7	6.800		24	377B	2085	7.7	6.792	

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Cruise Number: 2017-01		1			445	3110	2.9	2.274		1					
Event: 77		2			446	1402	2.8	2.233		2					
Station: P12		3			447	1472	2.8	2.248		3					
Event Date (Local): 16 FEB 2017		4			448A	1023	2.8	1.936 ⇒		4	448B	3047	3.0	1.921	
Analysis Date (Local): 17 FEB 2017		5			449	1035	3.2	1.401		5					
Analyst: MB		6			450	1459	3.4	0.676		6					
Stdization Date (Local): 17 FEB 2017		7			451	1422	3.9	0.361		7					
KIO ₃ N: 0.011978		8			452	650	4.3	0.287		8					
Standard Titer: 0.4979 → 0.5?		9			453	1418	4.7	0.344		9					
Blank Titer: 0.0004		10			454A	1401	5.1	0.535 ⇒		10	454B	1451	5.3	0.521	
THIO N: 0.240857		11			455	3121	5.7	1.490		11					
Sample Flask Water Seal? ☒ Yes ☐ No		12			456	1470	6.1	2.378		12					
Reagent Change? ☒ MnCl ₂ ☐ NaI/NaOH ☐ H ₂ SO ₄ ☐ KIO ₃ ☐ THIO		13			457	1019	6.6	2.704		13					
(Please circle reagent that was changed prior to sampling and standardization)		14			458	2035	6.9	-	No acid!	14					
NOTE NEW BATCH IN LOG BOOK		15			459	2079	7.2	3.596		15					
		16			460	3085	7.4	3.933		16					
		17			461A	3084	7.6	4.242 ⇒		17	461B	3080	7.7	4.241	
		18			462	3070	7.7	6.215		18					
		19			463	3068	7.7	6.721		19					
		20			464	2069	7.6	6.709		20					
		21			465	3164	7.6	6.727		21					
		22			466	3048	7.6	6.735		22					
		23			467A	3111	7.6	6.735 ⇒		23	467B	3099	7.6	6.736	
		24								24					

Notes:

Turtle
Forgot to delete one bad STD. Can this be done post analysis?

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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:	2017-01	1		534	3110	3.4	1.466		1					
Event:	90	2		535	1402	3.8	0.722		2					
Station:	P8	3		536	1472	4.0	0.381		3					
Event Date (Local):	17 FEB 2017	4		537A	1023	4.5	0.241	=> SLOW DRIP	4	537B	3047	4.7	0.240	
Analysis Date (Local):	18 FEB 2017	5		538	1035	5.0	0.297		5					
Analyst:	MS	6		539	1459	5.4	0.516		6					
Stdization Date (Local):	17 FEB 2017	7		540	1422	6.1	1.317		7					
KIO ₃ N:	0.011978	8		541A	1650	6.4	1.924	=>	8	541B	1218	6.5	1.910	
Standard Titer:	0.49977	9		542	1401	6.7	2.441		9					
Blank Titer:	0.0004	10		543	1457	7.1	3.215		10					
THIO N:	0.240857	11		544	3121	7.4	3.570		11					
Sample Flask Water Seal?	Yes	12		545	1470	7.6	3.699		12					slow drip
	No	13		546A	1019	6.8	2.226	=> Niskin closed on bottom?	13	546B	2035	7.0	2.333	BAD DUP. Niskin closed? on bottom
Reagent Change?	MnCl ₂	14		547	2090	8.7	5.379		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		548	3085	8.1	6.635		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16		549	3084	8.1	6.655		16					
	KIO ₃	17		550	3080	8.1	6.639		17					
	THIO	18		551	3070	8.3	6.644		18					
Notes:		19		552	3068	8.3	6.641		19					
		20		553	2069	8.2	6.620		20					
		21		554	3164	8.1	6.610		21					
		22		555	3048	8.2	6.609		22					
		23		556A	3111	8.1	6.619	=>	23	556B	3099	8.1	6.615	spout
		24							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: 2017-01		1		S61	310	4.2	0.482		1					
Event: 99		2		S62	1462	4.2	0.403		2					
Station: P4 RETURN		3		S63A	1477	4.6	0.259		3	S63B	1023	4.8	0.245	
Event Date (Local): 18 FEB 2017		4		S64	3047	5.4	0.270		4					
Analysis Date (Local): 19 FEB 2017		5		S65	1035	5.8	0.455		5					
Analyst: MB		6		S66	1459	6.6	1.476		6					
Stdization Date (Local): 19 FEB 2017		7		S67	1422	7.4	1.879		7					
KIO ₃ N: 0.011978		8		S68	650	8.2	2.414		8					
Standard Titer: 0.4980		9		S69A	1418	8.6	2.670		9	469A	1401	8.7	2.643	
Blank Titer: 0.0004		10		S70	1457	9.1	3.388		10					
THIO N: 0.240649		11		S71	3121	9.1	6.454		11					
Sample Flask Yes		12		S72	1470	9.1	6.466		12					
Water Seal? No		13		S73	10A	9.1	6.475		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:		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int 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:	2017-01						1			590	2035	9.6	5.086		1						
Event:	105						2			591	3090	9.7	5.167	→	2	591	3085	9.7	5.165		
Station:	P2						3			592	3084	9.6	5.896		3						
Event Date (Local):	18-2-17						4			593	3080	9.6	5.898		4						
Analysis Date (Local):	19 FEB 2017						5			594	3070	9.6	6.322		5						
Analyst:	MB						6			595	3068	9.5	6.368		6						
Stdization Date (Local):	19 FEB 2017						7			596	2069	9.7	6.216		7						
KIO ₃ N:	0.011978						8			597	3164	9.7	6.410	→	8	597	3048	9.7	6.414		
Standard Titer:	0.4980						9								9						
Blank Titer:	0.0004						10								10						
THIO N:	0.240647						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						
	H ₂ SO ₄						16								16						
NOTE NEW BATCH IN LOG BOOK	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.

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Nisk ID	Nisk Int V	Nisk Int 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										
1			598	8111	9.7	6.194		1															
2			599	3099	9.1	6.177		2															
3			600A	1314	9.2	6.219		3	600B	1015	9.1	6.237											
4								4															
5								5															
6								6															
7								7															
8								8															
9								9															
10								10															
11								11															
12								12															
13								13															
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21								21															
22								22															
23								23															
24								24															

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Cruise and Analysis Information							OXY-1					OXY-2							
							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: 2017-01							1		602	2020	8.6	2.922		1					
Event: 109							2		603	3052	8.7	3.432	very low endpoint should have 0.61	2					
Station: 102							3		604	3055	8.7	3.630		3					
Event Date (Local): 19 FEB 2017							4		605A	1442	8.9	4.512	→	4	605B	3106	8.9	4.512	
Analysis Date (Local): 19 FEB 2017							5		606	2087	8.7	4.918	slight drip	5					
Analyst: MBS							6		607	2063	8.7	5.093		6					
Stdization Date (Local): 19 FEB 2017							7		608	458	8.3	5.428		7					
KIO ₃ N: 0.011978							8		609	3098	8.0	5.822	drip	8					
Standard Titer: 0.4980							9		610	3103	8.3	6.167		9					
Blank Titer: 0.0004							10		611	1312	8.4	6.369		10					
THIO N: 0.2410649							11		612	3101	8.5	6.424		11					
Sample Flask Water Seal? Yes							12		613A	3094	8.5	6.650	→	12	613B	3065	8.5	6.645	
Reagent Change? MnCl ₂							13		614	3095	8.5	6.685		13					
(Please circle reagent that was changed prior to sampling and standardization)							14		615	2092	8.4	6.693		14					
NOTE NEW BATCH IN LOG BOOK							15							15					
							16							16					
							17							17					
							18							18					
							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.

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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int 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:	2017-01						1			616	3056	8.7	3.942	leaky spigot	1					
Event:	III						2			617	1059	8.5	4.517		2					
Station:	JF2						3			618	3021	8.3	4.729		3					
Event Date (Local):	19 FEB 2017						4			619	2086	8.1	5.112		4	619	3104	8.1	5.108	
Analysis Date (Local):	19 FEB 2017						5			620	2084	8.0	5.324		5					
Analyst:	MB						6			621	3108	7.9	5.345		6					
Stdization Date (Local):	19 FEB 2017						7			622	3088	7.9	5.415		7					
KIO ₃ N:	0.011978						8			623	3019	7.8	5.496		8					
Standard Titer:	0.4980						9			624	2678	7.7	5.865		9					
Blank Titer:	0.004						10			625	639	7.7	5.953		10	625	1053	7.8	5.956	
THIO N:	0.24064						11			626	715	7.9	6.135		11					
Sample Flask Water Seal?	Yes						12			627	1002	7.9	6.471		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:	octopus box						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.

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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int 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:	2017-01						1			628	3110	8.1	5.521	leaking bottom	1					
Event:	112						2			629	1402	8.1	5.531		2					
Station:	Hard 59						3			630	1472	8.0	5.528		3					
Event Date (Local):	19 FEB 2017						4			631	1023	8.0	5.605	→	4	631	3047	8.0	5.609	
Analysis Date (Local):	19 FEB 2017						5			632	1035	8.0	5.666		5					
Analyst:	MS						6			633	1459	8.0	5.642		6					
Stdization Date (Local):	19 FEB 2017						7			634	1422	8.0	5.686	over-titrated.	7					
KIO ₃ N:	0.011978						8			635	650	8.0	5.740		8					
Standard Titer:	0.4981						9			636	1418	8.0	5.756		9					
Blank Titer:	0.0004						10			637	1401	7.9	5.749		10					
THIO N:	0.2410634						11			638	1457	8.0	5.784		11					
Sample Flask Water Seal?	Yes						12			639	3121	8.0	5.795		12					
	No						13			640	1470	8.0	5.888		13					
Reagent Change?	MnCl ₂						14			641	1019	7.9	5.895	→	14	641	2035	7.9	5.894	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15								15					
	H ₂ SO ₄						16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃						17								17					
	THIO						18								18					
Notes:	turtle						19								19					
							20								20					
							21								21					
							22								22					
							23								23					
							24								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:	2017-01	1		656	2073	8.4	5.302		1					
Event:	114	2		657	647	8.2	5.475		2					
Station:	46	3		658A	1054	8.2	5.614		3	658B	620	8.1	5.353	
Event Date (Local):	19 FEB 2017	4		659	631	8.1	5.678		4					
Analysis Date (Local):	19 FEB 2017	5		660	2095	8.1	5.796		5					
Analyst:	MS	6		661	638	8.6	5.132		6					
Stdization Date (Local):	19 FEB 2017	7		662A	657	8.9	4.871		7	662B	3007	8.7	4.896	
KIO ₃ N:	0.011978	8		663	690	8.9	4.942		8					
Standard Titer:	0.4981	9		664	425	8.5	5.430		9					
Blank Titer:	0.0064	10		665	2085	8.2	5.814		10					
THIO N:	0.240634	11		666	622	8.0	6.224		11					
Sample Flask Water Seal?	Yes	12		667	3014	8.7	6.675		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					

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Cruise and Analysis Information		Nisk ID	Nisk Int V	Nisk Int 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: 2017-01		1			642	3056	8.0	5.461		1					
Event: 114		2			643A	1059	8.0	5.569	=	2	643B	302	8.0	5.572	
Station: 56		3			644	2086	8.0	5.579		3					
Event Date (Local): 19 FEB 2017		4			645	3104	8.0	5.580		4					
Analysis Date (Local): 19 FEB 2017		5			646	2084	8.0	5.617		5					
Analyst: MB		6			647	3108	7.9	5.650		6					
Stdization Date (Local): 19 FEB 2017		7			648	3088	8.0	5.698		7					
KIO ₃ N: 0.011978		8			649	3019	8.0	5.749		8					
Standard Titer: 0.4981		9			650	2075	8.0	5.770		9					
Blank Titer: 0.0004		10			651A	639	8.0	5.788	=	10	651B	1053	8.0	5.795	
THIO N: 0.240634		11			652	715	8.0	5.808		11					
Sample Flask Water Seal? Yes		12			653	1002	8.0	5.857		12					
	No	13			654	3035	7.6	6.648		13					
Reagent Change? MnCl ₂		14			655	3061	7.5	6.758		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
	H ₂ SO ₄	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Cruise and Analysis Information							Nisk ID	Nisk Int V	Nisk Int 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:	2017-01						1			668	2020	9.4	2.329		1									
Event:	48						2			669	3052	9.3	2.387		2									
Station:	42						3			670	3055	9.3	2.574		3									
Event Date (Local):	19 FEB 2017						4			671	1442	9.1	3.288		4									
Analysis Date (Local):	19/20 Feb 2017						5			672	3106	8.7	4.156		5									
Analyst:	ms						6			673	2087	8.5	4.619		6									
Stdization Date (Local):	19 FEB 2017						7			674A	2062	8.2	5.268	⇒	7	674B	458	8.2	5.269					
KIO ₃ N:	0.011978						8			675	3098	8.4	5.128	2 magnets! Door's Fault!	8									
Standard Titer:	0.4981						9			676	3103	8.5	4.999	value open	9									
Blank Titer:	0.0004						10			677	1312	8.7	4.826		10									
THIO N:	0.240634						11			678	3101	8.9	4.752		11									
Sample Flask Water Seal?	Yes						12			679	3094	9.1	4.563		12									
	No						13			680	3065	8.7	5.083		13									
Reagent Change?	MnCl ₂						14			681A	3095	7.7	6.632	⇒	14	681B	2092	7.7	6.633					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH						15			682	462	7.5	6.989		15									
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄						16			683	3074	7.5	7.025	low end point	16									
	KIO ₃						17								17									
	THIO						18								18									
Notes:	whale						19								19									
							20												20					
							21												21					
							22												22					
							23												23					
							24												24					

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