Dissolved Oxygen Analysis Log Sheet

Last Updated: January

Institute of Ocean Sciences
Water Properties Group

IOS

Cruise and Analysis Information		Nisk V	Nisk S	Sample ID	Flask 1	Draw T 1	OXY-1	OXY-1 Comments	Sample ID	Flask 2	Draw T 2	OXY-2	OXY-2 Comments
Cruise Number:	2017-05			158	14	9.6							
Event:	55			59	9	9.6							
Station:	LC04				8	7							
Event Date (Local)				6	2007	8							
Analysis Date (Local)				62									
Analyst:				63	2025	1							
						10.5			1678		10		
					2016								
Standard Titer:						12							
Blank Titer:						13.0							
THIO N													
Sample Flask Water Seal?	No												
Reagent Change?													
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	aOH												

Notes:

Shark

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

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

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:	2017-05	1			168	2015	9.3	3.303		1					
Event:	58	2			169	2027	10.0	4.666		2					
Station:	LC02	3			170A	2032	9.9	4.831	=>	3	170B	2043	9.9	4.828	
Event Date (Local):	26 · 05 · 17	4			171	2040	10.0	4.881		4					
Analysis Date (Local):	27 May 17	5			172	2047	10.1	5.132		5					
Analyst:	KS	6			173	3033	10.5	5.931		6					
Stdization Date (Local):	27 May 2017	7			174	3009	11.1	6.576		7					
KIO_3 N:	0.0118794	8								8					
Standard Titer:	0.49299	9								9					
Blank Titer:	0.00051	10								10					
THIO N:	0.24109	11								11					
Sample Flask Water Seal?	(Yes) / No	12								12					
		13								13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	($MnCl_2$) / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes: shark		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

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:	2017-05	1			176	621	9.3	3.488		1					
Event:	59	2			177	3032	9.5	3.827		2					
Station:	LC01	3			178	3200	10.0	4.863	⇒	3	178	2000	10.01	4.865	
Event Date (Local):	26.05.17	4			179	3042	10.0	4.823		4					
Analysis Date (Local):	27 May 2017	5			180	3037	10.0	4.906		5					
Analyst:	KS	6			181	3116	10.3	5.602		6					
Stdization Date (Local):	27 May 2017	7			182	3117	10.5	6.175		7					
KIO_3 N:	0.0118794	8								8					
Standard Titer:	0.49299	9								9					
Blank Titer:	0.00051	10								10					
THIO N:	0.24109	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) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes: Stable		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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

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:	2017-05	1			183	3148	10.1	5.689		1					
Event:	60	2			184a	3145	10.3	6.183 ⇒		2	184b	3150	10.3	6.183	
Station:	LG01	3			185	3126	10.7	6.375		3					
Event Date (Local):	27 May 2017	4			186	3129	11.6	6.966		4					
Analysis Date (Local):	27 May 2017	5			187	3135	11.8	7.101		5					
Analyst:	KS	6								6					
Stdization Date (Local):	27 May 2017	7								7					
KIO_3 N:	0.011879	8								8					
Standard Titer:	0.49299	9								9					
Blank Titer:	0.00051	10								10					
THIO N:	0.24109	11								11					
Sample Flask Water Seal?	(Yes) / No	12								12					
		13								13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes: Bender		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January

IOS

Cruise and Analysis Information	
Cruise Number:	2017-05
Event:	61
Station:	LG02
Event Date (Local):	27 May 2017
Analysis Date (Local):	27 May 2017
Analyst:	KS
Stdization Date (Local):	27 May 2017
KIO_3 N:	0.0116794
Standard Titer:	0.49299
Blank Titer:	0.00051
THIO N:	0.24109
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	Border

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			188	3125	8.7	2.556	
2			189a	342	9.3	4.339	
3			190	3072	9.5	6.005	
4			191	3132	10.1	6.298	
5			192	3028	10.3	6.530	
6			193	344	10.6	6.417	
7			194	3016	11.1	6.679	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2	OXY-2	OXY-2 Comments
1					
2	189b	3138	9	4	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

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:	2017-05	1			196	569	8.1	2.004		1					
Event:	65	2			197	3022	8.1	2.091		2					
Station:	LG04	3			198	3143	8.8	2.886		3					
Event Date (Local):	May 27, 2017	4			199	2014	9.2	3.339		4					
Analysis Date (Local):	May 27, 2017	5			200	3036	9.3	4.390		5					
Analyst:	KS	6			201	3146	9.5	6.038	→	6	201	3209	9.5	6.038	
Stdization Date (Local):	27 May 2017	7			202	3066	9.9	6.298		7					
KIO_3 N:	0.0118794	8			203	3194	10.6	6.767		8					
Standard Titer:	0.49299	9			204	3059	9.1	6.587		9					
Blank Titer:	0.00051	10								10					
THIO N:	0.24109	11								11					
Sample Flask Water Seal?	(Yes) / No	12								12					
		13								13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14								14					
		15								15					
		16								16					
		17								17					
		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

Cruise and Analysis Information	
Cruise Number:	2017-05
Event:	68
Station:	LG06
Event Date (Local):	27 May 2017
Analysis Date (Local):	27 May 2017
Analyst:	KS
Stdization Date (Local):	27 May 2017
KIO_3 N:	0.0118974
Standard Titer:	0.49299
Blank Titer:	0.00051
THIO N:	0.24019
Sample Flask Water Seal?	Yes (circled) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	Sea Turtle

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			205	1023	5.7	0.237	
2			206	1472	5.9	0.236	
3			207	3110	6.4	0.576	→
4			208	1035	6.5	1.095	
5			209	3047	7.2	1.504	
6			210	1442	7.4	2.056	
7			211	1459	7.8	2.398	
8			212	1457	8.0	2.742	
9			213	1401	8.3	2.897	
10			214	1418	8.7	3.235	
11			215	650	8.9	3.465	
12			216	2035	8.9	4.741	
13			217	1019	9.1	6.263	
14			218	1470	10.1	6.816	→
15			219	3090	11.3	6.745	
16			220	3085	12.3	6.578	
17			221	3080	12.3	6.559	
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3	207	1402	6.5	0.571	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14	218	3121	10.1	6.813	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

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:	2017-05	1			236	1023	4.7	1.353		1					
Event:	79	2			237	1472	4.5	1.354		2					
Station:	LBP7	3			238	3110	5.2	0.609		3					
Event Date (Local):	28 May 2017	4			239	1402	5.5	0.348	- EP is late. Requires adjustment.	4					
Analysis Date (Local):	28 May 2017	5			240	1035	5.9	0.219		5					
Analyst:	KS	6			241a	3047	6.1	0.275 ⇒		6	241b	1422	6.2	0.272	
Stdization Date (Local):	22 May 2017	7			242	1459	6.7	0.653		7					
KIO_3 N:	0.0118794	8			243	1457	6.9	1.055		8					
Standard Titer:	0.49299	9			244	1401	7.3	1.542		9					
Blank Titer:	0.00051	10			245	1418	7.7	2.058		10					
THIO N:	0.241079	11			246	650	8.2	2.631		11					
Sample Flask Water Seal?	(Yes) / No	12			247	2035	8.4	2.969		12					
		13			248	1019	8.7	3.338		13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14			249	1470	9.2	3.912		14					
		15			250	3121	9.4	4.167		15					
		16			251a	3050	9.3	6.129 ⇒		16	251b	3085	9.3	6.128	
		17			252	3080	10.0	6.673		17					
		18			253	3084	10.3	6.812		18					
Notes:	Turtle	19			254	3048	10.6	6.870		19					
		20			255	2069	11.4	7.232		20					
		21			256	3068	11.7	7.175		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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

Cruise and Analysis Information	
Cruise Number:	2017-05
Event:	82
Station:	LBP5
Event Date (Local):	28 May 2017
Analysis Date (Local):	28 May 2017
Analyst:	KS
Stdization Date (Local):	27 May 2017
KIO_3 N:	0.01[illegible]794
Standard Titer:	0.49299
Blank Titer:	0.00051
THIO N:	0.24109
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	Bender KS/N2

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			257	3148	5.5	0.477	
2			258	3145	5.4	0.448	
3			259	3150	5.8	0.300	
4			260	3126	6.1	0.310	
5			261	3129	6.7	0.635	
6			262	3135	6.8	0.894	→
7			263	3125	7.0	1.131	
8			264	3142	7.1	1.243	
9			265	3138	7.3	1.507	
10			266	3072	7.4	1.585	
11			267	3132	7.6	1.644	
12			268	3028	8.0	1.930	
13			269	3144	8.4	2.365	top end cap askew - leaky
14			270	3016	9.3	4.274	
15			271	3133	9.8	5.062	
16			272	3134	10.3	5.739	→
17			273	569	10.9	6.231	
18			274	3022	11.6	7.122	
19			275	3143	12.4	7.313	
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5					
6	262	3193	6.9	0.851	Calculated with incorrect flask ID (3125) instead of 3193
7					
8					
9					
10					
11					
12					
13					
14					
15					
16	272	3147	10.3	5.737	
17					
18					
19					
20					
21					
22					
23					
24					

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Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

Cruise and Analysis Information	
Cruise Number:	2017 - 05
Event:	85
Station:	LBP 3
Event Date (Local):	28 May 2017
Analysis Date (Local):	28 May 2017
Analyst:	KS
Stdization Date (Local):	27 May 2017
KIO_3 N:	0.01188794
Standard Titer:	0.49299
Blank Titer:	0.00051
THIO N:	0.24109
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	Shark

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			276	1429	7.8	1.851		1					
2			277	94	7.8	1.854		2					
3			278	1408	8.1	2.060		3					
4			279	2007	8.2	2.268		4					
5			280	3158	8.5	2.739		5					
6			281A	2025	9.8	5.023	⇒	6	281B	2019	9.8	5.042	⇐
7			282	2017	10.4	5.619		7					
8			283	2016	10.6	5.878		8					
9			284	1465	11.0	6.203		9					
10			285	2051	12.3	7.507		10					
11								11					
12								12					
13								13					
14								14					
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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

Cruise and Analysis Information	
Cruise Number:	2017-05
Event:	97
Station:	CS00
Event Date (Local):	29 May 2017
Analysis Date (Local):	29 May 2017
Analyst:	KS
Stdization Date (Local):	29 May 2017
KIO_3 N:	0.0118794
Standard Titer:	0.49299
Blank Titer:	0.00051
THIO N:	0.24113
Sample Flask Water Seal?	(Yes) / No
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	ICS/N2

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			288	1429	4.4	1.324	
2			289	94	4.9	0.665	
3			290	1408	5.2	0.406	
4			291	2007	5.4	0.241	
5			292	3158	5.9	0.289	→ top cap leaky
6			293	2019	6.4	0.705	
7			294	2017	6.7	1.091	
8			295	2016	7.3	1.555	
9			296	1465	7.4	2.037	top cap leaky
10			297	2051	-99	2.511	
11			298	2015	8.1	2.773	
12			299	2027	8.2	2.772	→
13			300	2043	8.4	2.749	top cap leaky
14			301	2040	8.8	3.666	
15			302	2047	8.9	5.475	
16			303	3033	9.3	6.001	
17			304	3009	10.5	6.509	
18			305	621	11.0	6.679	→
19			306	3200	12.1	6.659	
20			307	2000	12.2	6.661	
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2					
3					
4					
5	292	2025	5.9	0.286	
6					
7					
8					
9					
10					
11					
12	299	2032	8.3	2.766	
13					
14					
15					
16					
17					
18	305	3032	11.0	6.686	
19					
20					
21					
22					
23					
24					

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Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

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:	2017-05	1			309	3148	4.5	1.222		1					
Event:	103	2			310	3145	4.8	0.662		2					
Station:	CS02	3			311	3150	5.2	0.423		3					
Event Date (Local):	29 May 2017	4			312	3126	5.6	0.251	bottom end cap leaking	4					
Analysis Date (Local):	29 May 2017	5			313	3129	5.9	0.320	→ top end cap bad	5	313	3135	6.1	0.316	
Analyst:	KS	6			314	3193	6.3	0.651		6					
Stdization Date (Local):	29 May 2017	7			315	3125	6.6	1.053		7					
KIO_3 N:	0.0118974	8			316	3142	6.8	1.876		8					
Standard Titer:	0.49299	9			317	3138	7.2	1.850	Top end cap leaky	9					
Blank Titer:	0.00051	10			318	3072	7.6	2.314		10					
THIO N:	0.24113	11			319	3132	7.9	2.709		11					
Sample Flask Water Seal?	(Yes) / No	12			320	3028	8.2	2.418	→	12	320	3144	8.3	2.426	
		13			321	3016	8.5	2.547	top end cap leaky	13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14			322	3133	8.8	3.556		14					
		15			323	3134	9.0	5.139		15					
		16			324	3147	9.6	5.823		16					
		17			325	569	9.9	6.157		17	326	3143			
		18			326	3022	11.1	6.681	→	18			11.1	6.686	
Notes:		19			327	2014	11.5	7.083		19					
		20			328	3036	11.7	7.016		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

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:	2017-05	1			330	1429	8.3	2.836		1					
Event:	108	2			331	94	8.9	4.475		2					
Station:	CS04	3			332	1408	9.1	5.406		3					
Event Date (Local):	29 May, 2017	4			333A	2007	9.6	5.829	⇒ It's a beauty!	4	333B 3158	9.6	5.831		
Analysis Date (Local):	30 May 2017	5			334	2025	10.2	6.270	Slight drips on spigot	5					
Analyst:	KS	6			335	2019	11.5	6.965		6					
Stdization Date (Local):	29 May 2017	7			336	2017	11.9	7.127	Slight drip on Spigget	7					
KIO_3 N:	0.0118794	8								8					
Standard Titer:	0.49299	9								9					
Blank Titer:	0.00051	10								10					
THIO N:	0.24113	11								11					
Sample Flask Water Seal?	~~Yes~~ No H_2O seals No	12								12					
		13								13					
Reagent Change?	$MnCl_2$	14								14					
(Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	NaI/NaOH	15								15					
	H_2SO_4	16								16					
	KIO_3	17								17					
	THIO	18								18					
Notes:		19								19					
SharK		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

Cruise and Analysis Information	
Cruise Number:	1705
Event:	118
Station:	CS06
Event Date (Local):	MAY-30-2017
Analysis Date (Local):	30 May 2017
Analyst:	KS
Stdization Date (Local):	29 May 2017
KIO_3 N:	0.0118794
Standard Titer:	0.49299
Blank Titer:	0.00051
THIO N:	0.2413
Sample Flask Water Seal?	(Yes) No — yes
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO
Notes:	Sea Turtle

Nisk ID	Nisk Int V	Nisk Int S	Sample ID	Flask 1	Draw T 1 (°C)	OXY-1 (mL/L)	OXY-1 Comments
1			338	1023	9.0	5.113	
2			339	1472	8.9	5.110	→
3			340	1402	9.6	5.724	
4			341	1035	9.8	6.027	
5			342	3047	10.0	6.324	
6			343	1422	10.7	6.752	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Nisk ID	Sample ID	Flask 2	Draw T 2 (°C)	OXY-2 (mL/L)	OXY-2 Comments
1					
2	339	3110	9.0	5.110	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

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:	2017-05	1			344	3148	7.7	2.043		1					
Event:	125	2			345	3145	7.7	2.039		2					
Station:	CS09	3			346	3150	7.8	2.108		3					
Event Date (Local):	30 May 2017	4			347	3126	8.0	2.288		4					
Analysis Date (Local):	30 May 2017	5			348	3129	8.3	2.837		5					
Analyst:	KS	6			349	3135	9.1	5.055		6					
Stdization Date (Local):	29 May 2017	7			350A	3193	9.4	5.657 ⇒		7	350B	3125	9.4	5.655	
KIO_3 N:	0.0118794	8			351	3142	9.8	5.972		8					
Standard Titer:	0.49299	9			352	3138	10.1	6.233	bad leak top end cap	9					
Blank Titer:	0.00051	10			353	3072	11.5	7.535		10					
THIO N:	0.24113	11			354	3132	12.1	7.825		11					
Sample Flask Water Seal?	Yes (circled) / No	12								12					
		13								13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes: BENDER		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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

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:	2017-05	1			380	1023	10.2	2.839		1					
Event:	164	2			381	1472	9.9	3.428		2					
Station:	11	3			382	3110	9.5	3.989		3					
Event Date (Local):	02 June 2017	4			383	1402	9.4	4.365		4					
Analysis Date (Local):	02 June 2017	5			384	1035	9.5	4.428	TOP cap leaks	5					
Analyst:	KS	6			385	3047	9.7	4.304		6					
Stdization Date (Local):	02 June 2017	7			386A	1422	10.1	4.579	⇒	7	3866	1459	10.2	4.575	
KIO_3 N:	0.0118794	8			387	1457	10.3	4.693		8					
Standard Titer:	0.49294	9			388	1401	10.5	4.902		9					
Blank Titer:	0.00051	10			389	1418	10.7	4.990		10					
THIO N:	0.24117	11			390	650	12.6	6.653		11					
Sample Flask Water Seal?	(Yes) / No	12			391	2035	13.7	7.717		12					
		13			392	1019	13.7	7.832	bad leak, top end cap not seated	13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes: TURTLE		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.

Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

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:	2017-05	1			399	1023	10.3	2.021		1					
Event:	170	2			400A	1472	10.1	2.779	⇒	2	400B	3110	10.0	2.785	
Station:	22	3			401	1402	9.7	3.572		3					
Event Date (Local):	June 2, 2017	4			402	1035	9.4	4.211		4					
Analysis Date (Local):	3 June 2017	5			403A	3047	9.3	4.546	⇒	5	403B	1422	9.3	4.548	
Analyst:	KS	6			404	1459	9.4	4.417		6					
Stdization Date (Local):	2 June 2017	7			405	1457	9.7	4.500		7					
KIO_3 N:	0.0118794	8			406	1401	10.3	4.899		8					
Standard Titer:	0.49294	9			407	1418	11.3	6.109		9					
Blank Titer:	0.00051	10			408	6050	13.3	7.159		10					
THIO N:	0.24117	11			409	2035	14.4	7.258		11					
Sample Flask Water Seal?	(Yes) / No	12			410	1019	14.8	7.116		12					
		13								13					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes: Turtle		19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Dissolved Oxygen Analysis Log Sheet

Last Updated: January 2017

Institute of Ocean Sciences
Water Properties Group

IOS

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:	2017-05	1			414	3121	10.4	1.985		1					
Event:	177	2			415	3090	9.8	3.503		2					
Station:	GEO1	3			416	3085	9.7	4.678	→	3	416	3080	9.7	4.677	
Event Date (Local):	3 June 2017	4			417	3084	9.3	4.673		4					
Analysis Date (Local):	3 June 2017	5			418	3048	9.4	4.604		5					
Analyst:	KS	6			419	2069	9.5	4.617		6					
Stdization Date (Local):	2 June 2017	7			420	3068	9.6	4.624	→	7	420	3070	9.7	4.625	
KIO_3 N:	0.0118794	8			421	1314	~~10.0~~ 9.7	4.691	9.7	8					
Standard Titer:	0.49294	9			422	3099	~~11.1~~ 10.0	4.925	10.0	9					
Blank Titer:	0.00051	10			423	3111	~~12.3~~ 11.1	6403	11.1	10					
THIO N:	0.24117	11			424	3164	~~11.8~~ 12.3	7.081	12.3	11					
Sample Flask Water Seal?	(Yes) / No	12			425	691	13.2	7.077	- low O2V dr to Fraser river plume	12					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	$MnCl_2$ / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	13								13					
		14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes:	Turtle	19								19					
		20								20					
		21								21					
		22								22					
		23								23					
		24								24					

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Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017

IOS

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:	2017-05	1			429	3148	10.3	2.911		1					
Event:	182	2			430	3145	10.0	3.382		2					
Station:	41	3			431	3150	9.9	4.295		3					
Event Date (Local):	June 3, 2017	4			432	3126	9.7	4.605		4					
Analysis Date (Local):	3 June 2017	5			433	3129	9.6	4.758	TOP Cap Leak	5					
Analyst:	KS	6			434	3135	9.7	4.970		6					
Stdization Date (Local):	2 June 2017	7			435	3193	9.8	4.908		7					
KIO_3 N:	0.0118794	8			436	3125	9.9	4.943		8					
Standard Titer:	0.49294	9			437	3142	10.0	4.924		9					
Blank Titer:	0.00051	10			438	3139	10.2	5.085		10					
THIO N:	0.24117	11			439A	3072	10.6	5.341	=> B sampled bf A	11	439B	3132	10.6	5.337	
Sample Flask Water Seal?	(Yes) / No	12			440	3028	10.9	5.596		12					
Reagent Change? (Please circle reagent that was changed prior to sampling and standardization) NOTE NEW BATCH IN LOG BOOK	MnCl / NaI/NaOH / H_2SO_4 / KIO_3 / THIO	13			441A	3144	13.5	-99	=> Top Cap Leaks <= Samples → very cloudy. High Fraser sediment load. Titration stalled @ 1.15V & no endpoint determined	13	441B	3016	13.5	-99	- Did not bother titrating sample.
		14								14					
		15								15					
		16								16					
		17								17					
		18								18					
Notes: Render		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.