

may have been to incorrect data file?

011101

will rename to 00201 so

✓ future events not written over

Last Updated: January 2017



Dissolved Oxygen Analysis Log Sheet

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:	2017-09	1			1	1429	9.4	2.425		1					
Event:	2	2			2	94	9.4	2.494		2					
Station:	HAR 59	3			3	1468	9.6	2.600		3					
Event Date (Local):	31 Aug 2017	4			4	267	9.6	2.748		4					
Analysis Date (Local):	31 Aug 17	5			5	3158	9.9	2.875		5					
Analyst:	TF	6			6B	2025	10.0	3.035		6	6B	2619	10.1	3.032	
Stdization Date (Local):	31 Aug 17	7			7	2617	10.5	3.323		7					
KIO ₃ N:	0.0118636	8			8	2616	11.7	4.074		8					
Standard Titer:	0.4921422	9			9	1465	11.9	4.225		9					
Blank Titer:	0.0005915	10			10	362	12.3	4.404		10					
THIO N:	0.241359	11			11	2015	12.6	4.566		11					
Sample Flask	(Yes)	12			12A	2027	13.3	4.982		12	12B	2632	13.5	4.983	
Water Seal?	No	13	X		13	2613	13.9	5.204		13					Top Not sealed correctly - Leaking
Reagent Change?	MnCl ₂	14			14	2610	14.2	5.290		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					

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.

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Cruise Number:	2017-09	1	✓	✓	15A	2047	10.6	4.379	⇒	1	15B	3033	10.6	4.378	
Event:	8	2	✓	✓	16	3009	10.7		large mistake - used wrong flask - processed in 01101 as sample 27, flask 2019	2	saved file as sample 27, please reprocess - sorry.				
Station:	LBD1	3	✓	✓	17	621	11.0	4.375		3					
Event Date (Local):	1 Sept 2017	4	✓	✓	18	3032	12.3	5.693		4					
Analysis Date (Local):	1 Sept 17	5								5					
Analyst:	TF	6								6					
Stdization Date (Local):	31 Aug 17	7								7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.4921422	9								9					
Blank Titer:	0.000595	10								10					
THIO N:	0.241359	11								11					
Sample Flask Water Seal?	Yes	12								12					
	No	13								13					
Reagent Change?	MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15								15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	16								16					
	KIO ₃	17								17					
	THIO	18								18					
Notes:		19								19					
shark		20								20					
oxygen flask were not washed before sampling		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	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: 2017-09	1	✓	✓	20	1429	9.2	2.980								1					
Event: 9	2	✓	✓	21	94	9.7	3.386								2					
Station: LB02	3	✓	✓	22	1408	10.1	3.657								3					
Event Date (Local): 1/9/17	4	✓	✓	23	2007	11.0	4.399								4					
Analysis Date (Local): 1 Sept 17	5	✓	✓	24	3158	11.6	4.799	←	☺						5	24	2025	11.5	4.799	B analysed before A
Analyst: TF	6														6					
Stdization Date (Local): 31 Aug 17	7														7					
KIO ₃ N: 0.0118236	8														8					
Standard Titer: 0.4921422	9														9					
Blank Titer: 0.000595	10														10					
THIO N: 0.241359	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)	15														15					
NOTE NEW BATCH IN LOG BOOK	16														16					
	17														17					
	18														18					
Notes:	19														19					
shark	20														20					
oxygen flasks were	21														21					
not washed before	22														22					
sampling	23														23					
	24														24					

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saved as sample 27. LST
and sample 27 under
021 - [OXY] here for sample 27
is correct

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:	2017-09	1	✓✓	27	2019	7.7	1.450	put in incorrect flask - this titration is	1	sample	16	16	10.7	event 11, flask 3009, temp 10.7
Event:	11	2	✓✓	28	2017	7.9	1.687		2	28	2016	7.8	1.680	analysed before ZBA flask 10.0
Station:	LBO4	3	✓✓	29	1465	8.9	2.848		3					
Event Date (Local):	1 Sept 2017	4	✓✓	30	3062	9.3	3.102		4					
Analysis Date (Local):	1 Sept 17	5	✓✓	31	2015	10.0	3.818		5					
Analyst:	TF	6	✓✓	32	2027	11.5	5.579		6					
Stdization Date (Local):	31 Aug 17	7	✓✓	33	2032	12.1	6.214		7					
KIO ₃ N:	0.0118636	8							8					
Standard Titer:	0.4921422	9							9					
Blank Titer:	0.000595	10							10					
THIO N:	0.241359	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					
shark		20							20					
oxygen flasks were not washed before sampling		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2017-09	1	✓	35	3148	7.5	1.125		1					
Event:	13 15	2	✓	36	3126	7.5	1.160	←	2	36	3145	7.5	1.160	😊
Station:	4306	3	✓	37	3129	7.7	1.1617		3					
Event Date (Local):	1/9/17	4	✓	38	3150	8.4	2.307		4					
Analysis Date (Local):	1 Sept 17	5	✓	39	3135	9.1	3.057		5					
Analyst:	TF	6	✓	40	3190	10.1	4.091		6					
Stdization Date (Local):	31 Aug 17	7	✓	41	3125	11.9	6.075		7					
KIO ₃ N:	0.0118636	8	✓	42	3072	12.7	6.673		8					
Standard Titer:	0.4921422	9							9					
Blank Titer:	0.000595	10							10					
THIO N:	0.241359	11							11					
Sample Flask	(Yes)	12							12					
Water Seal?	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 none	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: 2017-09	1			46	528	7.6	0.744		1					
Event: 28	2			47A	3002	7.6	0.755		2	47B	3083	7.7	0.754	
Station: L808	3			48	3114	7.7	1.182		3					
Event Date (Local): 18 Sep 2017	4			49	3013	7.7	1.300		4					
Analysis Date (Local): 1 Sept 17	5			50	3023	8.2	1.912		5					
Analyst: TF	6			51	2088	8.8	2.518		6					
Stdization Date (Local): 31 Aug 17	7			52	708	9.4	3.249		7					
KIO ₃ N: 0.0118636	8			53	575	10.9	4.945		8					
Standard Titer: 0.421422	9			54	61	13.0	6.504		9					
Blank Titer: 0.000595	10								10					
THIO N: 0.24359	11								11					
Sample Flask Water Seal? ☒ Yes	12								12					
	13								13					
Reagent Change? MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					
H ₂ SO ₄ <i>None</i>	16								16					
NOTE NEW BATCH IN LOG BOOK	17								17					
	18								18					
	19								19					
Notes:	20								20					
<i>BIRDIE</i>	21								21					
	22								22					
	23								23					
	24								24					

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Cruise Number:	2017-09						1			56	303	7.7	0.705		1									
Event:	31						2			57	745	7.8	1.396		2									
Station:	1609						3			58	3034	8.9	2.786		3									
Event Date (Local):	1 Sept 17						4			59	612	8.3	2.718		4									
Analysis Date (Local):	1 Sept 17						5			60	3038	8.5	2.049		5									
Analyst:	TF						6			61	586	9.3	2.948		6									
Stdization Date (Local):	31 Aug 17						7			62A	2099	9.7	3.646		7	62B	3043	9.7	3.644					
KIO ₃ N:	0.0118636						8			63	3162	10.5	4.557		8									
Standard Titer:	0.4921422						9			64	3096	11.5	5.802		9									
Blank Titer:	0.000595						10								10									
THIO N:	0.241359						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 none						16								16									
NOTE NEW BATCH IN LOG BOOK	KIO ₃						17								17									
	THIO						18								18									
Notes:	Swallow						19								19									
							20												20					
							21												21					
							22												22					
							23												23					
							24												24					
							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:	2017-09	1		66	1059	7.9	1.595	black speck in sample	1	66	719			
Event:	33	2		67	3056	8.0	1.845		2					
Station:	LB 11	3		68	3021	8.3	2.780		3					
Event Date (Local):	1 Sept 17	4		69	2086	8.5	3.080		4					
Analysis Date (Local):	1 Sept 17	5		70	3104	8.9	3.185		5					
Analyst:	TF	6		71	2089	9.0	3.701		6					
Stdization Date (Local):	31 Aug 17	7		72A	3019	9.0	3.978	=)	7	72B	639	9.0	3.980	
KIO ₃ N:	0.0118636	8		73	2073	10.5	3.980	5.536	8					
Standard Titer:	0.4921422	9		74	620	11.7	6.007		9					
Blank Titer:	0.000595	10		75	1053	15.2	6.585		10					
THIO N:	0.241359	11		76	3088	16.9	6.593		11					
Sample Flask	Yes	12							12					
Water Seal?	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	Nal/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	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 Number:	2017-09	1		77	3148	7.1	0.963		1					
Event:	35	2		78	3126	7.3	1.487		2					
Station:	LB 12	3		79A	3145	7.7	1.845		3	79B	3129	7.9	1.851	
Event Date (Local):	1 Sept 2017	4		80	3150	7.9	2.146	uneven curve	4					
Analysis Date (Local):	1 Sept 17	5		81	3135	8.2	2.537		5					
Analyst:	TF	6		82	3190	8.3	2.719		6					
Stdization Date (Local):	31 Aug 17	7		83	3125	8.6	3.065		7					
KIO ₃ N:	0.0118636	8		84	3072	8.8	3.193		8					
Standard Titer:	0.4921422	9		85	3132	9.1	3.356		9					
Blank Titer:	0.000595	10		86	3138	9.4	3.756		10					
THIO N:	0.241359	11		87	3028	9.5	5.250		11					
Sample Flask Water Seal?	(Yes) No	12		88	3144	11.2	5.832		12					
Reagent Change?	MnCl ₂	13		89	3000	11.7	5.710		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		90A	3133	13.3	6.416		14	90B	3147	13.2	6.416	😊
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ name	15		91	3134	16.5	6.385		15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:	Bender	18							18					
		19							19					
		20							20					
		21							21					
		22							22					
		23							23					
		24							24					

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Cruise Number:	2017-09	1		93	1429	5.9	0.355		1					
Event:	27	2		94 ^A	94	6.0	0.245	→	2	94 B	1408	6.1	0.239	
Station:	LS14	3		95	2007	6.3	0.307		3					
Event Date (Local):	1 Sep 2017	4		96	2025	7.1	0.989		4					
Analysis Date (Local):	1 Sep 17	5		97	3158	7.3	1.381		5					
Analyst:	TF	6		98	2019	7.7	1.710		6					
Stdization Date (Local):	31 Aug 17	7		99	2016	7.9	1.983	Forgot to put time tip in 1st time	7					
KIO ₃ N:	0.0118636	8		100	2017	8.2	2.141		8					
Standard Titer:	0.4921422	9		101	1465	8.4	2.730		9					
Blank Titer:	0.000595	10		102	3062	8.7	2.901		10					
THIO N:	0.241359	11		103A	2015	8.9	2.987	→	11	103B	2027	9.0	2.989	
Sample Flask Water Seal?	Yes No	12		104	2032	9.3	3.580		12					
Reagent Change?	MnCl ₂	13		105	2043	9.5	4.841		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		106	2040	10.2	6.820		14					
	H ₂ SO ₄ none	15		107	3009	14.1	6.694		15					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	16		108	2047	18.2	5.720		16					
	THIO	17		109	3033	18.5	5.752		17					
Notes:		18		110	621	18.5	5.755		18					
		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:	2017-09	1		114	1429	5.9	0.639		1					
Event:	44	2		115	94	5.9	0.412	←	2	115	1400	6.3	0.417	temperature taken after sample collected
Station:	LE 11	3		116	2007	6.2	0.228		3					
Event Date (Local):	2 Sept 17	4		117	2025	6.5	0.280		4					
Analysis Date (Local):	2 Sept 17	5		118	3158	7.1	0.806		5					
Analyst:	TF	6		119	2019	7.3	1.288		6					
Stdization Date (Local):	31 Aug 17	7		120	2016	8.0	2.055		7					
KIO ₃ N:	0.0118636	8		121	2017	8.3	2.617	← 2.611	8					
Standard Titer:	0.4921422	9		122	1465	8.7	2.945		9					
Blank Titer:	0.000595	10		123	3062	9.1	3.060		10					
THIO N:	0.241359	11		124	2015	9.3	3.261		11					
Sample Flask Water Seal?	Yes	12		125	2027	9.6	3.191	←	12	125	2032	9.6	3.186	
	No	13		126	2043	9.9	3.551	leaky vent	13					
Reagent Change?	MnCl ₂	14		127	2040	10.1	4.826		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15		128	3009	10.5	6.281		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	16		129	2047	13.3	6.456		16					
	KIO ₃	17		130	3033	16.4	6.120		17					
	THIO	18		131	621	18.1	5.751		18					
Notes:		19		132	3032	18.4	5.731	no water seal	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: 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:	2017-09	1		133	528	7.0	0.657		1					
Event:	46	2		134	3083	7.1	0.927		2					
Station:	LC09	3		135	3114	7.2	1.339		3					
Event Date (Local):	2/9/17	4		136	3013	7.7	2.035		4					
Analysis Date (Local):	2 Sept 17	5		137A	3093	8.0	2.215	→	5	137B	2098	8.1	2.211	
Analyst:	TF	6		138	708	8.3	2.576		6					
Stdization Date (Local):	31 Aug 17	7		139	575	8.5	2.796		7					
KIO ₃ N:	0.0118626	8		140	611	8.7	3.001		8					
Standard Titer:	0.4921422	9		141	510	9.1	3.230		9					
Blank Titer:	0.000595	10		142	3053	9.5	3.502		10					
THIO N:	0.241359	11		143	745	9.8	4.206		11					
Sample Flask Water Seal?	☒ Yes ☐ No	12		144	3034	9.9	6.379		12					
Reagent Change?	MnCl ₂	13		145A	612	12.1	6.683	→	13	145B	3038	12.2	6.683	Leaking on top
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14		146	586	13.9	6.740		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	15		147	2099	17.9	5.959		15					
	KIO ₃	16		148	3043	18.4	5.863		16					
	THIO	17							17					
Notes:		18							18					
Swallow.		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: 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:	2017-09	1		150	1059	8.1	1.965		1					
Event:	51	2		151	3056	8.1	2.371	adjusted detector "zero" down to 2.5	2					after this sample
Station:	LC08	3		152	3021	8.0	2.361		3					
Event Date (Local):	2 Sep 2017	4		153	2086	8.3	2.336		4					
Analysis Date (Local):	2 Sept 17	5		154	3104	8.7	2.905		5					
Analyst:	TF	6		155	2084	8.9	3.183		6					
Stdization Date (Local):	2 Sept 17	7		156	3019	9.4	4.026		7					
KIO ₃ N:	0.0118636	8		157A	639	9.7	6.002	=7	8	157B	2073	9.8	6.011	
Standard Titer:	0.49227	9		158	620	11.5	7.056		9					
Blank Titer:	0.0005411	10		159	1053	13.2	6.594		10					
THIO N:	0.241241	11		160	3088	16.7	6.234		11					
Sample Flask	Yes	12		161	715	17.8	6.134		12					
Water Seal?	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					

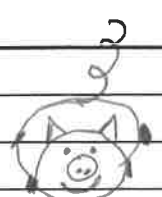
Bottle integrity: First test the top vent (V) by opening the lower spigot (S) then test the spigot by opening the vent. Mark 'x' in the appropriate column if either fails the integrity check and explain this in the comments column.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2013



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:	2017-09	1		163	1002	8.5	2.464		1					
Event:	55	2		164	3035	8.7	2.753		2					
Station:	LC06	3		165A	2075	9.2	2.894	⇒	3	165B	647	9.3	2.894	
Event Date (Local):	2 Sep 2017	4		166	3061	9.8	3.353		4					
Analysis Date (Local):	2 Sept 2017	5		167	3108	10.7	4.396		5					
Analyst:	TF	6		168	1054	12.7	7.087		6					
Standardization Date (Local):	2 Sep 17	7		169	2095	15.3	9.977	labeled sample 170 should use 169?	7					NLSkiw Bottle 8
KIO ₃ N:	0.0118636	8		170					8					
Standard Titer:	0.49227	9							9					
Blank Titer:	0.0005411	10							10					
THIO N:	0.241241	11							11					
Sample Flask	Yes	12							12					
Water Seal?	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 none	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: July 2019



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: 2017-09	1			171	528	8.5	1.834							1						
Event: 59	2			172	3083	8.5	1.845							2						
Station: LCOH	3			173	314	8.5	2.066							3						
Event Date (Local): 2 Sep 17	4			174	3013	8.7	2.209							4						
Analysis Date (Local): 3 Sep 17	5			175	3093	8.9	2.518							5						
Analyst: TF	6			176	2098	9.9	3.508							6						
Stdization Date (Local): 2 Sep 17	7			177A	708	10.3	3.853							7	177B	575	10.3	3.849		
KIO ₃ N: 0.0118636	8			178	611	10.5	4.046							8						
Standard Titer: 0.49227	9			179	510	10.7	4.248							9						
Blank Titer: 0.000541	10													10						
THIO N: 0.241241	11			181	3053	12.2	5.395							11						
Sample Flask Water Seal? ☒ Yes ☐ No	12													12						
Reagent Change? MnCl ₂	13													13						
(Please circle reagent that was changed prior to sampling and standardization)	14													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.

SWACKOW

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



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:	2017-09	1	✓	✓	182	334	8.5	1.747							1					
Event:	63	2	✓	✓	183	612	9.0	2.393							2					
Station:	LC02	3	✓	✓	184A	308	9.6	3.119							3	184B	586	9.5	3.114	
Event Date (Local):	25 Sept 17	4	✓	✓	185	289	10.0	3.535							4					
Analysis Date (Local):	3 Sept 17	5	✓	✓	186	3043	10.6	4.066							5					
Analyst:	TF	6	✓	✓	187	570	12.9	7.598							6					
Stdization Date (Local):	2 Sept 17	7	✓	✓	188	375	14.1	7.836							7					
KIO ₃ N:	0.0118636	8													8					
Standard Titer:	0.49227	9													9					
Blank Titer:	0.0005411	10													10					
THIO N:	0.241241	11													11					
Sample Flask	(Yes)	12													12					
Water Seal?	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



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 09	1	✓	✓	190	3148	8.7	1.973						1					
Event:	64	2	✓	✓	191	3126	8.8	2.184						2					
Station:	LC 01	3	✓	✓	192	3145	9.4	2.765	←					3	192	3129	9.3	2.768	
Event Date (Local):	3 Sept 17	4	✓	✓	193	3150	9.7	3.194						4					
Analysis Date (Local):	Sept 3/17	5	✓	✓	194	3135	10.3	3.774						5					
Analyst:	TF	6	✓	✓	195	3110	11.8	5.275						6					
Stdization Date (Local):	2 Sept 17	7	✓	✓	196	3125	13.7	6.282						7					
KIO ₃ N:	0.0118636	8												8					
Standard Titer:	0.49227	9												9					
Blank Titer:	0.0005411	10												10					
THIO N:	0.241241	11												11					
Sample Flask Water Seal?	Yes ☒ No	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 none	15												15					
	KIO ₃	16												16					
	THIO	17												17					
Notes:		18												18					
Went to 40m instead of 30m		19												19					
bender		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



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:	2017-09	1	☒	☒	197	3072	10.1	3.416		1					
Event:	65	2	☒	☒	198	3132	10.2	3.463		2					
Station:	L D 01	3	☒	☒	199	3138	12.4	5.148	←	3	199	3028	12.4	5.150	B analyzed before A
Event Date (Local):	3/9/17	4	☒	☒	200	3144	12.9	5.427		4					
Analysis Date (Local):	3 Sept 17	5								5					
Analyst:	TF	6								6					
Stdization Date (Local):	2 Sept 17	7								7					
KIO ₃ N:	0.0118636	8								8					
Standard Titer:	0.49227	9								9					
Blank Titer:	0.0005411	10								10					
THIO N:	0.241241	11								11					
Sample Flask	☒ Yes	12								12					
Water Seal?	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

NISKM

Last Updated: January 2017



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:	2017-09	1	✓✓	201	3000	9.5	2.358		1					
Event:	66	2	✓✓	202	3133	9.5	2.369	sample 202 run before sample 201	2					
Station:	LD02	3	✓✓	203A	3147	9.6	2.612	←	3	203B	3134	9.5	2.610	
Event Date (Local):	Sept 3	4	✓✓	204	3066	12.3	5.330		4					
Analysis Date (Local):	3 Sept 17	5	✓✓	205	3143	13.2	5.934		5					
Analyst:	TF	6							6					
Stdization Date (Local):	2 Sept 17	7							7					
KIO ₃ N:	0.0118636	8							8					
Standard Titer:	0.49227	9							9					
Blank Titer:	0.0005411	10							10					
THIO N:	0.241241	11							11					
Sample Flask	(Yes)	12							12					
Water Seal?	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 none	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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



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:	2017-09	1	✓✓	206A	3022	9.1	2.421		1	206B	2014	9.1	2.420	
Event:	69	2	✓✓	207	3146	9.7	2.919		2					
Station:	LD04	3	✓✓	208	3036	10.5	3.675		3					
Event Date (Local):	3/9/17	4	✓✓	209	3209	12.8	6.744		4					
Analysis Date (Local):	3 Sept 17	5	✓✓	210	569	14.7		collar of flask popped up i lots of	5					reagent residue + really odd curve
Analyst:	TF	6							6					
Stdization Date (Local):	2 Sept 17	7							7					
KIO ₃ N:	0.0118636	8							8					
Standard Titer:	0.49227	9							9					
Blank Titer:	0.0005411	10							10					
THIO N:	0.241241	11							11					
Sample Flask Water Seal?	(yes) No	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 none	15							15					
	KIO ₃	16							16					
	THIO	17							17					
Notes:		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



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: 2017-09	1	✓	✓	211	1429	8.3	2.704		1					1					
Event: 72	2	✓	✓	212	94	8.7	3.187		2					2					
Station: LDO6	3	✓	✓	213	1408	8.9	3.308		3					3					
Event Date (Local): Sept 3	4	✓	✓	214	2007	9.1	4.597		4					4					
Analysis Date (Local): 3 Sept 17	5	✓	✓	215	2025	9.5	5.406		5					5					
Analyst: TF	6	✓	✓	216	3158	10.9	5.281		6					6					
Stdization Date (Local): 2 Sept 17	7	✓	✓	217	2019	14.5	6.233		7					7					
KIO ₃ N: 0.0118636	8	✓	✓	218A	2016	16.2	6.557	4 - deliolid in sample	8	218B	2017	16.2	6.558						Baralyzed before A
Standard Titer: 0.49227	9								9					9					
Blank Titer: 0.000541	10								10					10					
THIO N: 0.241241	11								11					11					
Sample Flask (Yes)	12								12					12					
Water Seal? No	13								13					13					
Reagent Change? MnCl ₂	14								14					14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					15					
NOTE NEW BATCH IN LOG BOOK	16								16					16					
	17								17					17					
	18								18					18					
	19								19					19					
	20								20					20					
	21								21					21					
	22								22					22					
	23								23					23					
	24								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



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:	2017-09	1	✓✓	219	1465	6.2	0.271		1					
Event:	74	2	✓✓	220	3062	6.2	0.296		2					
Station:	LD08	3	✓✓	221	2015	6.8	0.822 ←		3	221	2027	6.9	0.814	
Event Date (Local):	3/9/17	4	✓✓	222	2032	7.0	1.225		4					
Analysis Date (Local):	3 Sept 17	5	✓✓	223	2043	7.4	1.946		5					
Analyst:	TF	6	✓✓	224	2040	7.8	2.304		6					
Stdization Date (Local):	2 Sept 17	7	✓✓	225	3009	8.3	2.724		7					
KIO ₃ N:	0.0118636	8	✓✓	226	2047	8.5	2.935		8					
Standard Titer:	0.49227	9	✓✓	227	3033	8.7	3.172		9					
Blank Titer:	0.0005411	10	✓✓	228	621	8.9	3.197		10					
THIO N:	0.241241	11	✓✓	229	3032	9.2	3.322		11					
Sample Flask	(yes)	12	✓✓	230	3200	9.5	4.298		12					
Water Seal?	No	13	✓✓	231	2000	9.9	5.846		13					
Reagent Change?	MnCl ₂	14	✓✓	232	3042	11.5	6.138 ←		14	232	3037	11.4	6.131	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15	✓✓	233	3116	15.0	6.642		15					
	H ₂ SO ₄ none	16	✓✓	234	3117	17.7	5.992		16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17	✓✓	235	3008	17.9	5.968		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.

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences
Water Properties Group

Last Updated: January 2017



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:	2017-09	1			236	1059	5.3	0.823		1					
Event:	78 21	2			237	3056	5.5	0.659	mis-fired bottle #2 replaced with bottle #21	2					
Station:	LD11	3			238	3021	5.6	0.396	→	3	238 ^B	2086	5.7	0.392	
Event Date (Local):	3 Sept 17	4			239	3104	5.9	0.258		4					
Analysis Date (Local):	3 Sept 17	5			240	2084	6.3	0.291		5					
Analyst:	TF	6			241	3019	6.7	0.804		6					
Stdization Date (Local):	2 Sept 17	7			242	63 ⁹	7.1	1.190		7					
KIO ₃ N:	0.0118636	8			243	2073	7.7	1.796		8					
Standard Titer:	0.49227	9			244	620	8.0	1.992		9					
Blank Titer:	0.0005411	10			245	1053	8.4	2.449		10					
THIO N:	0.241241	11			246	3088	8.7	2.760		11					
Sample Flask Water Seal?	(Yes) No	12			247	715	9.1	2.957		12					
Reagent Change?	MnCl ₂	13			248 ^A	1002	9.3	3.225	→ leaky cap on bottle #13	13	248 ^B	3035	9.3	3.216	
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			249	2075	9.6	3.847		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	15			250	647	9.9	5.095		15					
	KIO ₃	16			251	3061	10.8	6.845		16					
	THIO	17			252	3108	15.1	6.395		17					
Notes:		18			253	1054	17.7	5.840		18					
Octopus		19			254	2095	18.5	5.716		19					
		20			255	631	18.7	5.734		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:	2017-09	1	✓	✓	262	3148	5.9	0.229		1					
Event:	88	2	✓	✓	263	3126	6.2	0.285		2					
Station:	LG06	3	✓	✓	264A	3145	6.9	0.789	←	3	264B	3129	6.9	0.778	Baralyzed before A
Event Date (Local):	Sept. 4	4	✓	✓	265	3150	7.1	1.130		4					
Analysis Date (Local):	4 Sept 17	5	✓	✓	266	3135	7.6	1.702		5					
Analyst:	TF	6	✓	✓	267	3190	7.7	2.091		6					
Stdization Date (Local):	2 Sept 17	7	✓	✓	268	3125	8.2	2.217		7					
KIO ₃ N:	0.0118636	8	✓	✓	269	3072	8.3	2.490		8					
Standard Titer:	0.49227	9	✓	✓	270	3132	8.6	2.987		9					
Blank Titer:	0.0005411	10	✓	✓	271	3138	8.8	3.036		10					
THIO N:	0.241241	11	✓	✓	272	3028	9.7	3.453		11					
Sample Flask Water Seal?	(Yes) No	12	✓	✓	273	3144	9.1	4.580		12					
Reagent Change?	MnCl ₂	13	✓	✓	274	3000	10.1	6.070		13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14	✓	✓	275A	3133	13.5	6.584	←	14	275B	3147	13.5	6.591	
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	15	✓	✓	276	3134	16.6	6.049		15					
	KIO ₃ none	16	✓	✓	277	3066	17.3	6.000		16					
	THIO	17	✓	✓	278	3143	17.3	5.996		17					
Notes:		18								18					
		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: 2017-09		1	✓ ✓	280	3022	8.0	1.031		1					
Event: 90		2	✓ ✓	281	2014	8.0	1.035		2					
Station: L604		3	✓ ✓	282	346	8.6	2.658		3					
Event Date (Local): 4/9/17		4	✓ ✓	283	3036	8.9	2.953		4					
Analysis Date (Local): 4 Sept 17		5	✓ ✓	284	3209	9.3	3.623		5					
Analyst: TF		6	✓ ✓	285	569	10.0	3.826	←	6	285	3194	9.9	3.823	
Stdization Date (Local): 2 Sept 17		7	✓ ✓	286	3059	11.0	4.029		7					
KIO ₃ N: 0.0118636		8	✓ ✓	287	1094	15.2	6.002		8					
Standard Titer: 0.49227		9	✓ ✓	288	3051	16.3	6.245		9					
Blank Titer: 0.0005411		10							10					
THIO N: 0.241241		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)		15							15					
NaI/NaOH		16							16					
H ₂ SO ₄ none		17							17					
NOTE NEW BATCH IN LOG BOOK		18							18					
KIO ₃		19							19					
THIO		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: 2017-09		1	✓	✓	289	1059	8.1	0.962		1					
Event: 93		2	✓	✓	290A	3056	8.4	1.714	←	2	290B	3021	8.4	1.710	
Station: LG02		3	✓	✓	291	2086	8.9	2.264		3					
Event Date (Local): Sept. 4		4	✓	✓	292	3104	9.4	3.500		4					
Analysis Date (Local): 4 Sept 17		5	✓	✓	293	2084	10.2	2.588	weird number! but good!	5					
Analyst: TF		6	✓	✓	294	3019	11.0	3.319		6					
Stdization Date (Local): 4 Sept 17		7	✓	✓	295	639	14.1	5.171		7					
KIO ₃ N: 0.0118636		8								8					
Standard Titer: 0.4925114		9								9					
Blank Titer: 0.0005325		10								10					
THIO N: 0.241141		11								11					
Sample Flask Water Seal? <u>Yes</u>		12								12					
		13								13					
Reagent Change? MnCl ₂		14								14					
(Please circle reagent that was changed prior to sampling and standardization)		15								15					
		16								16					
NOTE NEW BATCH IN LOG BOOK		17								17					
		18								18					
		19								19					
Notes:		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: 2017-09	1	✓	✓	297	620	9.3	2.228								1					
Event: 96	2	✓	✓	298*	1053	9.8	2.871	→							2	298*	3088	9.7	2.843	☹
Station: L601	3	✓	✓	299	715	10.4	2.715								3					
Event Date (Local): 4 Sept.	4	✓	✓	300	1002	12.3	4.336	small critter in flask							4					
Analysis Date (Local): 4 Sept 17	5	✓	✓	301	3035	13.9	5.349								5					
Analyst: TF	6														6					
Stdization Date (Local): 4 Sept 17	7														7					
KIO ₃ N: 0.0118636	8														8					
Standard Titer: 0.4925114	9														9					
Blank Titer: 0.0005325	10														10					
THIO N: 0.241141	11														11					
Sample Flask (Yes)	12														12					
Water Seal? No	13														13					
Reagent Change? MnCl ₂	14														14					
(Please circle reagent that was changed prior to sampling and standardization)	15														15					
NOTE NEW BATCH IN LOG BOOK	16														16					
	17														17					
	18														18					
	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:	2017-09	1			311	3148	4.6	1.362		1					
Event:	114	2			312	3126	5.0	0.692	→	2	312	3145	5.3	0.690	
Station:	LBP7	3			313	3129	5.3	0.366		3					
Event Date (Local):	5 Sept	4			314	3150	5.7	0.239		4					
Analysis Date (Local):	5 Sept 17	5			315	3135	6.1	0.269		5					
Analyst:	TF	6			316	3190	6.7	0.773		6					
Stdization Date (Local):	4 Sept 17	7			317	3125	7.1	1.038		7					
KIO ₃ N:	0.0118636	8			318	3072	7.3	1.618		8					
Standard Titer:	0.4925114	9			319	3132	7.5	1.990		9					
Blank Titer:	0.0005325	10			320	3138	7.9	2.367	→	10	320	3028	8.0	2.369	
THIO N:	0.241141	11			321	3144	8.2	2.576		11					
Sample Flask Water Seal?	(Yes) No	12			322	3000	8.3	3.165		12					
Reagent Change?	MnCl ₂	13			323	3133	8.6	3.400	leaky top	13					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	14			324	3147	8.8	3.784		14					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	15			325	3134	9.0	4.873		15					
	KIO ₃	16			326	3066	9.6	5.974		16					
	THIO	17			327	3143	11.0	4.918		17					
Notes:		18			328	3022	13.8	5.884		18					
Bender		19			329	2014	16.9	5.937	→	19	329	3146	16.9	5.927	
		20			330	3036	17.6	5.899		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:	2017-09	1			332	1059	5.3	0.435		1					
Event:	117	2			333	3056	5.4	0.413		2					
Station:	LBP5	3			334	3021	5.7	0.298		3					
Event Date (Local):	Sept 5, 2017	4			335	2086	6.1	0.349		4					
Analysis Date (Local):	5 Sept 17	5			336	3104	6.8	0.845		5					
Analyst:	TF	6			337A	2084	6.9	1.049	←	6	337B	3019	7.0	1.045	
Stdization Date (Local):	4 Sept 17	7			338	639	7.3	1.534		7					
KIO ₃ N:	0.0118626	8			339	2073	7.4	2.038		8					
Standard Titer:	0.4925114	9			340	620	7.7	2.818		9					
Blank Titer:	0.0005325	10			341	1053	7.9	3.103	leaky vent	10					
THIO N:	0.241141	11			342	3088	8.1	3.306		11					
Sample Flask Water Seal?	Yes	12			343	715	8.3	3.278		12					
	No	13			344	1002	8.7	3.499	leaky top	13					
Reagent Change?	MnCl ₂	14			345	3035	8.7	3.899		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			346	2075	9.6	3.140		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	16			347A	3061	10.1	4.306	←	16	347B	647	12.1	4.307	☺
	KIO ₃	17			348	3108	11.3	3.897		17					
	THIO	18			349	1054	15.7	5.802		18					
Notes:		19			350	2095	16.7	6.102		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: 2017-09		1			351	1429	8.2	2.229		1					
Event: 124		2			352	94	8.2	2.235		2					leaking event on bottle 2
Station: LBP3		3			353	1408	8.3	2.429		3					
Event Date (Local): 5 Sep 2017		4			354	2007	8.4	2.884		4					
Analysis Date (Local): 5 Sept 17		5			355	2025	8.8	2.788		5					
Analyst: TF		6			356	3158	9.3	3.150		6					
Stdization Date (Local): 4 Sept 17		7			357	2019	10.1	3.525		7					
KIO ₃ N: 0.0118636		8			358	2016	11.3	3.776		8					
Standard Titer: 0.492514		9			359	2017	13.3	4.733		9					
Blank Titer: 0.0005325		10			360A	1465	15.7	5.857 =>		10	360B	3062	15.7	5.862	
THIO N: 0.241141		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)		15								15					
NOTE NEW BATCH IN LOG BOOK		16								16					
		17								17					
		18								18					
Notes:		19								19					
Shark		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:	2017-09	1			362	3148	4.6	1.276		1					
Event:	136	2			363	3126	5.1	0.605		2					
Station:	CS00	3			364	3145	5.5	0.391		3					
Event Date (Local):	6/9/17	4			365	3129	5.7	0.259		4					
Analysis Date (Local):	6 Sept 17	5			366	3150	6.1	0.275	←	5	366	3135	6.2	0.273	
Analyst:	TF	6			367	3190	6.5	0.617		6					
Stdization Date (Local):	5 Sept 17	7			368	3125	6.9	0.952		7					
KIO ₃ N:	0.123057 x 3	8			369	3072	7.2	1.876		8					
Standard Titer:	0.5105277	9			370	3132	7.4	2.737		9					
Blank Titer:	0.0005566	10			371	3138	8.0	3.104		10					
THIO N:	0.241274	11			372	3028	8.1	3.285		11					
Sample Flask Water Seal?	Yes	12			373	3144	8.3	3.556	←	12	373	3000	8.3	3.554	
	No	13			374	3133	8.4	3.793		13					
Reagent Change?	MnCl ₂	14			375	3147	8.7	3.745		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			376	3134	9.1	4.038		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			377	3066	10.0	5.572		16					
	KIO ₃	17			378	3143	12.8	5.959		17					
	THIO	18			379	3022	15.3	6.176	←	18	379	2014	15.3	6.173	
Notes:		19			380	3146	17.1	5.909		19					
		20			381	3036	18.1	5.781		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:	2017-08	1			383	S28	1.53	1.179	Temp bottle 1 = 4.5°C	1					
Event:	140	2			384	383	4.9	0.647		2					
Station:	CS02	3			385	3114	5.4	0.390		3					
Event Date (Local):	6 Sept 2017	4			386	3013	5.7	0.251		4					
Analysis Date (Local):	6 Sept 17	5			387A	3023	6.1	0.325		5	387B	2078	6.2	0.343	
Analyst:	TF	6			388	708	6.5	1.014		6					
Stdization Date (Local):	5 Sept 17	7			389	575	7.0	1.270		7					
KIO ₃ N:	0.123057	8			390	611	7.3	1.970		8					
Standard Titer:	0.5105277	9			391	510	7.7	2.287		9					
Blank Titer:	0.0005566	10			392	3053	8.0	2.511		10					
THIO N:	0.241274	11			393	745	8.1	2.243		11					
Sample Flask	(Yes)	12			394A	3034	8.2	2.490		12	394B	612	8.3	2.493	
Water Seal?	No	13			395	3038	8.5	2.961		13					
Reagent Change?	MnCl ₂	14			396	586	8.7	3.671		14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15			397	2077	9.1	3.295		15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄	16			398	3043	9.9	3.844		16					
	KIO ₃	17			399	570	10.9	4.816		17					
	THIO	18			400A	375	11.6	5.197		18	400B	3023	11.5	5.198	☺
Notes:		19			401	3061	14.5	6.494		19					
		20			402	3002	15.2	6.581		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: 207-09	1			404	3148	8.2	2.346		1					
Event: 145	2			405	3126	8.3	2.533		2					
Station: CS04 612	3			406	3145	8.9	3.414		3					
Event Date (Local): 7 Sep 2017	4			407A	3129	10.7	4.357		4	407B	3150	10.7	4.371	
Analysis Date (Local): 7 Sept 17	5			408	3135	11.3	4.788		5					
Analyst: TF	6			409	3170	13.7	5.757		6					
Stdization Date (Local): 5 Sept 17	7			410	3125	14.3	5.872	2 ml acid	7					
KIO ₃ N:	8								8					
Standard Titer:	9								9					
Blank Titer:	10								10					
THIO N:	11								11					
Sample Flask Water Seal? ☒ Yes	12								12					
	13								13					
Reagent Change? MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					
	16								16					
NOTE NEW BATCH IN LOG BOOK	17								17					
	18								18					
	19								19					
Notes:	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

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Water Properties Group

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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: 2017-09		1			412	1059	9.1	3.506		1					
Event: 156		2			413A	3056	9.4	3.703	←	2	413B	3021	9.4	3.706	
Station: C506		3			414	2086	10.2	4.518		3					
Event Date (Local): Sept. 7		4			415	3104	11.9	5.841		4					
Analysis Date (Local): 7 Sept		5			416	2084	13.9	7.130		5					
Analyst: TF		6			417	3019	14.4	7.557		6					
Stdization Date (Local): 5 Sept 17		7								7					
KIO ₃ N: 0.0123057		8								8					
Standard Titer: 0.5105277		9								9					
Blank Titer: 0.0005366		10								10					
THIO N: 0.241274		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					
8-0-cat		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:	207-09	1			419	3148	7.5	1.713	leaky top	1					
Event:	163	2			420	326	7.5	1.719		2					
Station:	C569	3			421	3145	7.5	1.726		3					
Event Date (Local):	7 Sep 2017	4			422	329	7.8	2.189		4					
Analysis Date (Local):	7 Sept 17	5			423	3150	8.3	2.872	leaky top	5					
Analyst:	TF	6			424	3135	8.9	3.681		6					
Stdization Date (Local):	5 Sept 17	7			425A	3190	10.1	4.080		7	425B	3125	10.1	4.084	
KIO ₃ N:	0.0123057	8			426	3072	10.3	4.472		8					
Standard Titer:	0.5105278	9			427	3132	11.2	4.654		9					
Blank Titer:	0.0005566	10			428	3138	12.1	5.097		10					
THIO N:	0.24274	11								11					
Sample Flask Water Seal?	Yes	12			430	3038	14.5	6.039		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 none	15								15					
	KIO ₃	16								16					
	THIO	17								17					
Notes:		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 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: 2017-09	1		/	442A	3148	15.7	6.140 ←		1	442B	3126	15.7	6.146	2nd shake + water seal done Ghr later
Event: 177	2								2					
Station: NLI	3								3					
Event Date (Local): Sept. 8, 2017	4								4					
Analysis Date (Local): 9 Sept 17	5								5					
Analyst: TF	6								6					
Stdization Date (Local): 9 Sept 17	7								7					
KIO ₃ N: 0.123057	8								8					
Standard Titer: 0.5102327	9								9					
Blank Titer: 0.0004358	10								10					
THIO N: 0.241266	11								11					
Sample Flask Water Seal? ☒ Yes	12								12					
	13								13					
Reagent Change? MnCl ₂	14								14					
(Please circle reagent that was changed prior to sampling and standardization)	15								15					
	16								16					
NOTE NEW BATCH IN LOG BOOK	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.

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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: 2017-09	1			451A	329	16.3	6.125		1	451B	3150	16.2	6.120	
Event: 188	2								2					
Station: SS05	3								3					
Event Date (Local): 9 Sept 2017	4								4					
Analysis Date (Local): 9 Sept 17	5								5					
Analyst: TP	6								6					
Stdization Date (Local): 9 Sept 17	7								7					
KIO ₃ N: 0.123057	8								8					
Standard Titer: 0.5102327	9								9					
Blank Titer: 0.0004358	10								10					
THIO N: 0.241266	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)	15								15					
NaI/NaOH <i>none</i>	16								16					
H ₂ SO ₄ /	17								17					
NOTE NEW BATCH IN LOG BOOK	18								18					
THIO	19								19					
Notes:	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:	2017-09	1			455	3148	9.8	2.741		1					
Event:	200	2			456	3126	9.8	2.855		2					
Station:	11	3			457	3145	9.8	3.007		3					
Event Date (Local):	10 Sept 17	4			458A	3129	9.7	3.155	→	4	458B	3150	9.7	3.128	
Analysis Date (Local):	10 Sept 17	5			459	3135	9.6	3.198		5					
Analyst:	TF	6			460	3190	9.5	3.456		6					
Stdization Date (Local):	9 Sept 17	7			461	3125	9.9	3.519		7					
KIO ₃ N:	0.0123057	8			462	3072	10.4	3.600		8					
Standard Titer:	0.5102327	9			463	3132	10.8	3.770		9					
Blank Titer:	0.0004358	10			464	3138	11.1	3.838		10					
THIO N:	0.241266	11			465	3028	14.1	5.234		11					
Sample Flask Water Seal?	(Yes) No	12			466	3144	15.0	5.512		12					
		13			467	3000	15.5	5.645		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 none	16								16					
NOTE NEW BATCH IN LOG BOOK	KIO ₃	17								17					
	THIO	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.

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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: 2017-09		1			472	3133	11.5	3.914		1					
Event: 207		2			473	3147	11.6	3.956		2					
Station: BS11		3			474	3134	11.7	3.976		3					
Event Date (Local): Sep. 10, 2017		4			475	3066	11.8	4.023		4					
Analysis Date (Local): 10 Sept 17		5			476	3143	13.1	4.542		5					
Analyst: TE		6			477A	3022	13.9	4.859		6	477B	2014	13.9	4.866	
Stdization Date (Local): 9 Sept 17		7			478	3146	14.3	4.999		7					
KIO ₃ N: 0.0123057		8			479	3036	14.4	4.967		8					
Standard Titer: 0.5102327		9								9					
Blank Titer: 0.0004358		10								10					
THIO N: 0.241266		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)		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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Oxy Loops - La Perouse Sept 2017

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:	2017-09	1		5009	1223	12.0	5.087	LBO2 2ml acid	1	5008	439	12.0	4.995	2ml acid
Event:	500	2		5037	3057	18.00	5.908	LB14 "	2	5037	3073	18.00	6.008	"
Station:	loops	3		5044	3050	18.14	5.963	LC11 "	3	5044	196	18.21	5.790	"
Event Date (Local):		4		5055	3067	15.43	10.018	LC06 "	4	5055	2056	15.46	9.995	"
Analysis Date (Local):		5		5072	1416	15.9	6.711	LD06 "	5	5072	1406	15.9	6.696	"
Analyst:	TF	6		5090	3078	15.684	6.408	LG04 "	6	5090	3005	15.679	6.449	"
Stdization Date (Local):	9 Sept 17	7		5120	1407	15.98	6.260	LBP3 "	7	5120	1409	15.94	6.230	"
KIO ₃ N:	0.123057	8		5156	2060	14.3	7.757	CSD6 "	8	5156	505	14.4	7.760	"
Standard Titer:	0.5102327	9		5177	2089	15.3	6.208	NLI "	9	5177	471	15.3	6.189	"
Blank Titer:	0.0004358	10		5188	396	15.761	6.182	SSS "	10	5188	456	15.719	6.206	"
THIO N:	0.241266	11							11					
Sample Flask Water Seal?	Yes ✓	12							12					
	No	13							13					
Reagent Change?	MnCl ₂	14							14					
(Please circle reagent that was changed prior to sampling and standardization)	NaI/NaOH	15							15					
NOTE NEW BATCH IN LOG BOOK	H ₂ SO ₄ none	16							16					
	KIO ₃	17							17					
	THIO	18							18					
Notes:	Nessie Box	19							19					
	Robert's Optode	20							20					
	OXY-LOOPS	21							21					
	→ 50XX sample ID.	22							22					
		23							23					
		24							24					

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