

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	1	2025	8-2	7.9°	5.314	18~	1				
Event: 002	2	☐	2	2020	8-4	7.7°	5.033	16~	2				
Station: MAL 2	3	☐	3	2059	8-6	7.7°	4.930	14~	3				
Event Date (Local): 3/4/13	4	☐	4	2016	10	7.7°	5.377	10~	4				
Analysis Date (Local): 3/4/13	5	☐	5	647	5	8.6°	10.625	5~	5				
Analyst: H M	6	☐							6				
Stdization Date (Local): 3/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2043-16	1	☐	7	1050	B-2	7.9°	5.813	23-	1				
Event: 004	2	☐	8	569	B-4	7.9°	5.090	21-	2				
Station: MAL 5	3	☐	9	668	B-6	7.6°	5.019	19-	3				
Event Date (Local): 3/4/13	4	☐	10	2032	15	7.7°	5.207	15-	4				
Analysis Date (Local): 3/4/13	5	☐	11	2014	10	7.8°	6.290	10-	5				
Analyst: H-n.	6	☐	12	2043	0	9.0°	11.405	0-	6				
Stdization Date (Local): 3/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.009	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	11	☐							11				
Sample Flask Water Seal? Yes No	12	☐							12				
	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 +	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ +	19	☐							19				
THIO +	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	13	3075	8-2	7.8°	4.826	38- 3075 DOES NOT WORK - USE	1	3073			
Event: 015	2	☐	14	2019	8-4	7.8°	5.022	36	2				
Station: MAL 8	3	☐	15	3124	8-6	7.8°	5.041	34	3				
Event Date (Local): 3/4/13	4	☐	16	632	25	7.7°	5.050	25	4				
Analysis Date (Local): 3/4/13	5	☐	17	468	15	7.7°	5.124	15	5				
Analyst: H.M.	6	☐	18	3040	10	7.7°	5.202	10	6				
Stdization Date (Local): 3/4/13	7	☐	19	745	0	8.9°	11.113	0	7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	20	3142	B-2	7.9	5.240	44m	1				
Event: 018	2	☐	21	3119	B-4	7.8	5.077	42	2				
Station: MAL 11	3	☐	22	657	B-6	7.8	5.064	40	3				
Event Date (Local): 3/4/13	4	☐	23	3067	30	7.7	5.139	30	4				
Analysis Date (Local): 4/4/13	5	☐	24	2063	20	7.8	5.289	20	5				
Analyst: H.A.	6	☐	25	3118	10	7.7	5.184	10	6				
Stdization Date (Local): 3/4/13	7	☐	26	621	0	—		didn't fix	7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	27	621	B-2	8.1°	5.435	49m	1				SAL
Event: 033	2	☐	28	3043	B-4	8.2°	5.458	47	2				
Station: MAL 28	3	☐	29	3135	B-6	8.1	5.443	45	3				
Event Date (Local): 4/4/13	4	☐	30	2098	30	7.9	5.388	30	4				
Analysis Date (Local): 4/4/13	5	☐	31	2097	20	7.9	5.461	20	5				
Analyst: H.M.	6	☐	32	471	10	8.1	5.789	10	6				
Stdization Date (Local): 3/4/13	7	☐	33	552	0	8.5	7.824	0	7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13983	11	☐							11				
Sample Flask Water Seal? (Yes) No	12	☐							12				
	13	☐							13				
Reagent Change? MnCl ₂ X	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
NaI/NaOH X	16	☐							16				
H ₂ SO ₄ X	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ X	19	☐							19				
THIO X	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	34	371	B-2	8.4	5.294	35	1				
Event: 036	2	☐	35	2085	B-4	8.4	5.292	33	2	3107	8.4	5.285	DEPTH FOR BOTH WRONG IN FILE
Station: MAL 30	3	☐	36	3019	B-6	8.4	5.288	31	3				
Event Date (Local): 4/4/13	4	☐	37	622	20	8.3	5.372	20	4				
Analysis Date (Local): 4/4/13	5	☐	38	2073	10	8.1	5.636	10	5				
Analyst: J.M.	6	☐	39	2092	0	8.5	7.331	0	6				
Stdization Date (Local): 4/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	11	☐							11				
Sample Flask (Yes)	12	☐							12				
Water Seal? No	13	☐							13				
Reagent Change? MnCl ₂ Y	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
NaI/NaOH Y	16	☐							16				
H ₂ SO ₄ Y	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ Y	19	☐							19				
THIO Y	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	40	2025	8-2	8.4	4.961	62	1				SNL
Event: 042	2	☐	41	2020	8-4	8.4	4.963	60	2				
Station: MAL 39	3	☐	42	2059	8-6	8.4	4.975	58	3				
Event Date (Local): 4/4/13	4	☐	43	2016	40	8.4	5.195	40	4				
Analysis Date (Local): 4/4/13	5	☐	44	647	30	8.4	5.232	30	5				
Analyst: H.M.	6	☐	45	1050	20	8.4	5.402	20	6				
Stdization Date (Local): 3/4/13	7	☐	46	569	10	8.8	5.617	10	7	668	8.3	5.622	
KIO ₃ N: 0.0098629	8	☐	47	2032	0	8.3	6.103	0	8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	11	☐							11				
Sample Flask Water Seal? Yes No	12	☐							12				
	13	☐							13				
Reagent Change? MnCl ₂ X	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
NaI/NaOH X	16	☐							16				
H ₂ SO ₄ X	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ X	19	☐							19				
THIO X	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	48	2014	B-2	8.5	5.126	53	1				
Event: 0045	2	☐	49	2043	B-4	8.5	5.102	51	2				
Station: MAL 33	3	☐	50	3075	B-6	8.4	4.893	49	3				— THIS FLASK IS NOT VALID
Event Date (Local): 4/4/13	4	☐	51	2019	40	8.4	5.188	40	4				I PUT IN 3073 AND IT
Analysis Date (Local):	5	☐	52	3121	30	8.5	5.283	30	5				WORKED
Analyst:	6	☐	53	632	20	8.4	5.342	20	6				
Stdization Date (Local):	7	☐	54	468	10	8.3	5.534	10	7				
KIO ₃ N:	8	☐	55	3040	0	8.4	6.430	0	8				
Standard Titer:	9	☐							9				
Blank Titer:	10	☐							10				
THIO N:	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				
Notes:	19	☐							19				
	20	☐							20				
	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	56	2051	B-2	8.5	5.120	47	1				
Event: 047	2	☐	57	2068	B-4	8.5	5.081	45	X 2	2017	8.5	5.087	
Station: MAL 35	3	☐	58	3126	B-6	8.4	5.086	43	3				
Event Date (Local): 4/4/13	4	☐	59	458	30	8.4	5.187		4				
Analysis Date (Local): 4/4/13	5	☐	60	658	20	8.4	5.339		5				
Analyst: H.M.	6	☐	61	3055	10	8.3	5.509		6				
Stdization Date (Local): 3/4/13	7	☐	62	3137	0	8.5	6.366		7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	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 ☒	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ☒	19	☐							19				
THIO ☒	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: December 2011

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	63	3094	B-2	9.4	5.302	30	1				
Event: 049	2	☐	64	3100	B-4	8.4	5.218	28	2				
Station: MAL 37	3	☐	65	505	B-6	8.5	5.212	26	3				
Event Date (Local): 4/4/13	4	☐	66	3090	20	8.4	5.165	20	4				
Analysis Date (Local): 4/4/13	5	☐	67	2075	10	8.5	5.412	10	5				
Analyst: H M	6	☐	68	1028	0	8.8	7.455	0	6				
Stdization Date (Local): 3/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	11	☐							11				
Sample Flask Water Seal? (Yes) No	12	☐							12				
	13	☐							13				
Reagent Change? MnCl ₂ X	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
NaI/NaOH X	16	☐							16				
H ₂ SO ₄ X	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ X	19	☐							19				
THIO X	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	69	3000	B-2	8.1	5.208	55	1				SAL
Event: 052	2	☐	70	329	B-4	8.0	5.040	53	2				
Station: MAL 14	3	☐	71	3005	B-6	7.9	4.985	51	3				
Event Date (Local): 4/4/16	4	☐	72	3008	30	7.7	5.088	30	4				
Analysis Date (Local): 4/4/16	5	☐	73	3013	20	7.8	5.213	20	5				
Analyst: H.M.	6	☐	74	3025	10	7.7	5.273	10	6	3030	7.7	5.267	
Stdization Date (Local): 3/4/13	7	☐	75	3031	0	10.1	10.087	0	7				RUNNING OUT OF MnCl (BUBBLES)
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.709	9	☐							9				
Blank Titer: 0.002	10	☐							10				
THIO N: 0.13988	11	☐							11				
Sample Flask Water Seal? ☒ Yes	12	☐							12				
No	13	☐							13				
Reagent Change? MnCl ₂ X	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
NaI/NaOH X	16	☐							16				
H ₂ SO ₄ X	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ X	19	☐							19				
THIO X	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	76	3142	B-2	8.1	5.249	65	1				
Event: 58	2	☐	77	3119	B-4	8.1	5.172	63	2				
Station: MAL 17	3	☐	78	657	B-6	8.5	5.162	61	3				
Event Date (Local): 4/4/13	4	☐	79	3067	50	8.1	5.300	50	4				
Analysis Date (Local): 5/4/13	5	☐	80	2063	40	7.9	5.221	40	5				
Analyst: H.M.	6	☐	81	5118	30	7.7	5.066	30	6				
Stdization Date (Local): 5/4/13	7	☐	82	621	20	7.7	5.190	20	7				
KIO ₃ N: 0.0098629	8	☐	83	3043	10	7.7	5.310	10	8				
Standard Titer: 0.7093	9	☐	84	3135	0	8.2	8.056	0	9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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				
Notes: MMCL = #1202 wJ	19	☐							19				
JULY 18/12	20	☐							20				
NaOH/NaI = #1206A	21	☐							21				
JUNE 6/12	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: December 2011

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	85	2098	8-2	8.0	5.217	74	1				SAL
Event: 69	2	☐	86	2097	8-4	8.1	5.256	72	2				
Station: MAL 20	3	☐	87	471	8-6	8.1	5.309	70	3				
Event Date (Local): 5/4/13	4	☐	88	557	50	7.9	5.317	50	4				
Analysis Date (Local): 5/4/13	5	☐	89	321	40	7.7	5.115	40	5	2685	7.7	5.102	
Analyst: H.M.	6	☐	90	3107	30	7.7	5.216	30	6				
Stdization Date (Local): 5/4/13	7	☐	91	3019	20	7.7	5.229	20	7				
KIO ₃ N: 0.0098629	8	☐	92	622	10	7.7	5.287	10	8				
Standard Titer: 0.7093	9	☐	93	2073	0	7.8	5.706	0	9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13983	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	94	2051	B-2	8.5	5.163	67 ← there was supposed to be a dup here but we missed it. duplicate cancelled	1				
Event: 83	2	☐	95	2068	B-4	8.4	5.041	65	2				
Station: MAL 40	3	☐	96	2017	B-6	8.4	5.042	63	3				
Event Date (Local): 5/5/13	4	☐	97	3126	40	8.4	5.292	40	4				
Analysis Date (Local): 5/5/13	5	☐	98	4598	30	8.4	5.449	30	5				
Analyst: H.M.	6	☐	99	658	20	8.3	5.639	20	6				
Stdization Date (Local): 5/5/13	7	☐	100	3055	10	8.4	5.848	10	7				
KIO ₃ N: 0.0098629	8	☐	101	3137	0	8.5	6.520	0	8				
Standard Titer: 0.7093	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK! KIO ₃ ✓	18	☐							18				
THIO ✓	19	☐							19				
Notes:	20	☐							20				
	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: December 2011

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	102	3094	8-2	8.2	5.289	88	1				SAL
Event: 89	2	☐	103	3100	8-4	8.2	5.261	86	2	505	8.2	5.265	O ₂ DUP
Station: PAL 23	3	☐	104	3090	8-6	8.2	5.264	84	3				
Event Date (Local): 5/5/13	4	☐	105	2675	60	8.2	5.423	60	4				
Analysis Date (Local): 5/5/13	5	☐	106	1023	40	8.1	5.434	40	5				
Analyst: H.M.	6	☐	107	3000	30	7.9	5.364	30	6				
Stdization Date (Local): 5/5/13	7	☐	108	3009	20	8.1	5.594	20	7				
KIO ₃ N: 0.0098629	8	☐	109	3005	10	8.1	5.840	10	8				
Standard Titer: 0.7093	9	☐	110	3008	0	8.7	7.630	0	9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	111	3142	B-2	8.4	5.310	78	1				
Event: 97	2	☐	112	3119	B-4	8.3	5.223	76	2				SAL
Station: MAL 26	3	☐	113	657	B-6	8.3	5.209	74	3				
Event Date (Local): 5/5/13	4	☐	114	3067	60	8.2	5.390	60	4				
Analysis Date (Local): 5/5/13	5	☐	115	2063	40	8.2	5.443	40	5				
Analyst: 4.m.	6	☐	116	3118	30	8.2	5.506	30	6	621	8.2	5.512	Dup O ₂
Stdization Date (Local): 5/5/13	7	☐	117	3043	20	8.1	5.497	20	7				
KIO ₃ N: 0.0098629	8	☐	118	3135	10	8.2	5.786	10	8				
Standard Titer: 0.7093	9	☐	119	2098	0	9.0	9.063	0	9				
Blank Titer: 0.8023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ +	19	☐							19				
THIO +	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	120	2097	8-2	8.1	5.251	74	1				SAL
Event: 105	2	☐	121	471	8-4	8.0	5.262	72	2				
Station: MAL 49	3	☐	122	557	8-6	8.0	5.265	70	3	371	8.0	5.267	DUP O ₂
Event Date (Local): 6/4/13	4	☐	123	2099	60	8.0	5.342	60	4				
Analysis Date (Local): 6/4/13	5	☐	124	3107	40	8.0	5.395	40	5				
Analyst: H.M.	6	☐	125	3019	30	7.7	5.170	30	6				
Stdization Date (Local): 5/4/13	7	☐	126	622	20	7.6	5.173	20	7				
KIO ₃ N: 0.0098629	8	☐	127	2073	10	7.8	5.468	10	8				
Standard Titer: 0.7093	9	☐	128	2092	0	8.5	7.814	0	9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	129	2051	B-2	8.0	5.146	66	1				SAL
Event: 113	2	☐	130	2068	B-4	8.0	5.224	64	2				
Station: MAL 52	3	☐	131	2017	B-6	8.0	5.245	62	3	3126	8.0	5.254	DOP O ₂
Event Date (Local): 6/4/13	4	☐	132	458	50	8.0	5.251	50	4				
Analysis Date (Local): 6/4/13	5	☐	133	658	40	7.7	5.090	40	5				
Analyst: H.M.	6	☐	134	3055	30	7.6	5.026	30	6				
Stdization Date (Local): 5/3/13	7	☐	135	3137	20	7.6	5.006	20	7				
KIO ₃ N: 0.0098629	8	☐	136	3094	10	7.9	5.890	10	8				
Standard Titer: 0.7693	9	☐	137	3100	0	8.8	8.585	0	9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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				
NaI/NaOH ✓	16	☐							16				
H ₂ SO ₄ ✓	17	☐							17				
KIO ₃ ✓	18	☐							18				
THIO ✓	19	☐							19				
Notes:	20	☐							20				
	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	138	505		8.0	5.156	B-2 6.3	1				SAL
Event: 120	2	☐	139	3090		8.0	5.051	B-4 6.1	2				
Station: MAL 55	3	☐	140	2075		7.9	5.092	B-6 5.9	3	1023	7.9	5.092	AvP O ₂
Event Date (Local): 6/4/13	4	☐	141	3000		7.8	5.090	40	4				
Analysis Date (Local): 6/4/13	5	☐	142	329		7.7	5.016	30	5				
Analyst: HM	6	☐	143	3005		7.6	5.021	20	6				
Stdization Date (Local): 5/4/13	7	☐	144	3008		7.7	5.437	10	7				
KIO ₃ N: 0.0098629	8	☐	145	3013		8.6	8.381	0	8				
Standard Titer: 0.7093	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13939	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	146	2205	B-2	8.1	5.092	60	1				SAC
Event: 126	2	☐	147	2020	B-4	8.0	4.934	58	2				
Station: MAL 58	3	☐	148	2059	B-6	8.0	5.100	56	3				
Event Date (Local): 6/4/13	4	☐	149	2016	40	7.8	4.978	40	4				
Analysis Date (Local): 7/6/13	5	☐	150	647	30	7.6	4.795	30	5				
Analyst: H.A.	6	☐	151	1050	20	7.5	4.745	20	6				
Stdization Date (Local): 5/4/13	7	☐	152	569	10	7.8	5.517	10	* 7	668	7.8	5.510	DUP 02
KIO ₃ N: 0.0098629	8	☐	153	2032	0	8.5	8.175	0	8				
Standard Titer: 0.7093	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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				
NaI/NaOH	16	☐							16				
H ₂ SO ₄	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃	19	☐							19				
THIO	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013/16	1	☐	154	2014	B-2	7.9	4.932	47	1	2043	7.8	4.925	0.002 SAL
Event: 133	2	☐	155	2054	B-4	7.8	4.809	45	2				
Station: MAL 61	3	☐	156	209	B-6	7.8	4.807	43	3				
Event Date (Local): 6/4/13	4	☐	157	3121	30	7.6	4.644	30	4				
Analysis Date (Local): 7/4/13	5	☐	158	632	20	7.5	4.684	20	5				
Analyst: H.M.	6	☐	159	468	10	8.6	9.005	10	6				
Stdization Date (Local): 5/4/13	7	☐	160	3040	0	8.6	8.788	0	7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7093	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	DEPTH	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	161	3142	B-2	8.5	3.271	62		1				SAL
Event: 140	2	☐	162	3119	B-4	8.4	3.337	60		2				
Station: MAL 45	3	☐	163	657	B-6	8.4	3.408	58		* 3	3067	8.3	3.410	DVP O ₂
Event Date (Local): 6/4/13	4	☐	164	2063	40	8.2	4.089	40		4				
Analysis Date (Local): 7/4/13	5	☐	165	3118	30	8.3	5.053	30		5				
Analyst: H.M.	6	☐	166	621	20	8.9	7.093	20		6				
Stdization Date (Local): 7/4/13	7	☐	167	3043	10	9.1	7.970	10		7				
KIO ₃ N: 0.0098629	8	☐	168	3135	0	9.1	8.023	0		8				
Standard Titer: 0.7087	9	☐								9				
Blank Titer: 0.0023	10	☐								10				
THIO N: 0.13988	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 ✗	17	☐								17				
NOTE NEW BATCH IN LOG BOOK	18	☐								18				
KIO ₃ ✗	19	☐								19				
THIO ✗	20	☐								20				
Notes:	21	☐								21				
	22	☐								22				
	23	☐								23				
	24	☐								24				

Dissolved Oxygen Analysis Log Sheet

Institute of Ocean Sciences

Water Properties Group

Last Updated: December 2011

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	169	2098	8-2	8.5	2.667	220	1				SAL
Event: 143	2	☐	180	2097	8-4	8.5	2.648	218	2				
Station: MAL 41	3	☐	171	471	8-6	8.5	2.623	216	3				
Event Date (Local): 7/4/13	4	☐	172	557	200	8.5	2.627	200	4				
Analysis Date (Local): 7/4/13	5	☐	173	371	150	8.5	2.607	150	5				
Analyst: H.V	6	☐	174	2099	125	8.4	2.984	125	6				
Stdization Date (Local): 7/4/13	7	☐	175	3107	100	8.4	2.983	100	7				
KIO ₃ N: 0.0098629	8	☐	176	3019	75	8.3	3.145	75	8	622	8.3	3.136	DUP O ₂
Standard Titer: 0.7087	9	☐	177	2073	50	8.2	3.631	50	9				
Blank Titer: 0.0023	10	☐	178	2092	30	8.2	5.270	30	10				
THIO N: 0.13988	11	☐	179	3098	20	8.8	7.692	20	11				
Sample Flask Water Seal? (Yes) No	12	☐	180	638	10	8.8	7.982	10	12				
	13	☐	181	2061	0	8.8	8.090	0	13				
Reagent Change? MnCl ₂ X	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
H ₂ SO ₄ X	16	☐							16				
NOTE NEW BATCH IN LOG BOOK	17	☐							17				
KIO ₃ Y	18	☐							18				
THIO Y	19	☐							19				
Notes:	20	☐							20				
	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

227

SHOULD BE 75-175 IN FILES

(FIXED ON DUP)

* NOTE - SHOULD BE 169 - 181

STOLE # 181 FROM TERRI'S CAST

181 - 185 = NO O₂ - TERRI'S

SAMPLES FOR NUTS ONLY.

NEXT CAST WILL START @ 186

oops!!

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	101		40				1				NO O ₂ TERRI'S SAMPLES ONLY
Event: 146	2	☐	102		30				2				
Station: MAL 63	3	☐	103		20				3				
Event Date (Local):	4	☐	104		10				4				
Analysis Date (Local):	5	☐	105		0				5				
Analyst:	6	☐							6				
Stdization Date (Local):	7	☐							7				
KIO ₃ N:	8	☐							8				
Standard Titer:	9	☐							9				
Blank Titer:	10	☐							10				
THIO N:	11	☐							11				
Sample Flask	12	☐							12				
Water Seal?	13	☐							13				
Reagent Change?	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				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	186	2025	8-2	9.2	8.523	31	1				SAL
Event: 148	2	☐	187	2020	8-4	9.1	8.445	29	2				
Station: G-14 13	3	☐	188	2059	8-6	9.1	8.499	27	3				
Event Date (Local): 7/4/13	4	☐	189	2016	20	9.1	8.702	20	4				
Analysis Date (Local): 7/4/13	5	☐	190	647	10	9.3	9.170	10	5				
Analyst: H.M.	6	☐	191	1050	0	9.7	10.646	0	6				
Stdization Date (Local): 7/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7087	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	11	☐							11				
Sample Flask Water Seal? Yes No	12	☐							12				
	13	☐							13				
Reagent Change? MnCl ₂ Y	14	☐							14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐							15				
NaI/NaOH X	16	☐							16				
H ₂ SO ₄ Y	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ Y	19	☐							19				
THIO Y	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	192	569	B-2	9.4	8.922	20	1				SAL
Event: 152	2	☐	193	668	B-4	9.3	9.029	18	2				
Station: GH 15	3	☐	194	2032	B-6	9.3	9.096	16	3				
Event Date (Local): 7/4/13	4	☐	195	2014	10	9.4	9.354	10	4	2043	9.4	9.376	DUP O ₂
Analysis Date (Local): 7/4/13	5	☐	196	1054	0	9.7	11.069	0	5				
Analyst: H.M.	6	☐							6				
Stdization Date (Local): 7/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7087	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13986	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 ✗	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✗	19	☐							19				
THIO ✗	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	197	745	B-2	9.3	8.433	22	1				Bubble on lens
Event: 157	2	☐	198	2019	B-4	9.2	8.629	20	2				
Station: GA 18	3	☐	199	3121	B-6	9.2	8.743	18	3	632	9.2	8.757	Dup Q
Event Date (Local): 7/4/13	4	☐	200	468	10	9.4	9.400	10	4				
Analysis Date (Local): 8/4/13	5	☐	201	3040	0	?	10.698	0	5				
Analyst: H.M.	6	☐							6				
Stdization Date (Local): 7/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7087	9	☐							9				
Blank Titer: 6.0023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	202	205	B-2	9.5	8.632	29	1	2068	9.4	8.693	SAL + D.O. O ₂
Event: 162	2	☐	203	207	B-4	9.2	8.302	27	2				BEBLE on LEADS
Station: GH 11	3	☐	204	312	B-6	9.2	8.330	25	3				
Event Date (Local): 7/4/13	4	☐	205	458	10	9.4	8.978	10	4				
Analysis Date (Local): 8/4/13	5	☐	206	658	0	9.6	10.228	0	5				
Analyst: H.N.	6	☐							6				
Stdization Date (Local): 7/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7087	9	☐							9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	207	3055	B-2	8.4	3.625	77	1				SAL
Event: 169	2	☐	208	3137	B-4	8.4	3.557	75	2				
Station: GH 8	3	☐	209	3094	B-6	8.3	3.585	73	3				
Event Date (Local): 8/4/13	4	☐	210	3100	60	8.3	3.701	60	4				
Analysis Date (Local): 8/4/13	5	☐	211	505	40	8.1	4.151	40	5				
Analyst: H M	6	☐	212	3090	30	8.1	4.446	30	6				
Stdization Date (Local): 7/4/13	7	☐	213	2075	20	8.3	5.852	20	7	1023	8.3	5.888	DUP O ₂
KIO ₃ N: 0.0099629	8	☐	214	3000	10	8.8	7.434	10	8				
Standard Titer: 0.7087	9	☐	215	329	0	9.0	8.405	0	9				
Blank Titer: 0.0023	10	☐							10				
THIO N: 0.13988	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 ☒	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ☒	19	☐							19				
THIO ☒	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

**Institute of Ocean Sciences
Water Properties Group**

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16		1	☐	216	3142	B-2	8.5	3.570	92	1				SAL
Event: 175		2	☐	217	3119	B-4	8.5	3.589	90	2				
Station: GH 6		3	☐	218	657	B-6	8.5	3.599	88	3				
Event Date (Local): 8/4/13		4	☐	219	3067	60	8.4	3.732	60	4				
Analysis Date (Local): 8/4/13		5	☐	220	2063	40	8.3	4.010	40 (4.040)	5				
Analyst: H.M.		6	☐	221	3118	30	8.1	4.594	30	6				
Stdization Date (Local): 8/4/13		7	☐	222	621	20	8.4	5.973	20	7				
KIO ₃ N: 0.0098629		8	☐	223	3042	10	9.0	8.042	10	8				
Standard Titer: 0.7125		9	☐	224	3135	0	9.1	8.333	0	9	2089.1	8.314	Dup O ₂	
Blank Titer: 0.003		10	☐							10				
THIO N: 0.13939		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 ✓		17	☐							17				
NOTE NEW BATCH IN LOG BOOK		18	☐							18				
KIO ₃ ✓		19	☐							19				
THIO ✓		20	☐							20				
Notes:		21	☐							21				
		22	☐							22				
		23	☐							23				
		24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	225	2097	8-2	8.6	3.764	81	1				SAL - BUBBLE ON LENS
Event: 181	2	☐	226	471	8-4	8.5	3.718	79	2				
Station: GH 4	3	☐	227	557	8-6	8.4	3.718	77	3				
Event Date (Local): 8/4/13	4	☐	228	371	60	8.4	3.767	60	4				
Analysis Date (Local): 8/4/13	5	☐	229	2099	40	8.4	4.034	40	5				
Analyst: H.V.	6	☐	230	3107	30	8.5	4.397	30	6				
Stdization Date (Local): 8/4/13	7	☐	231	3019	20	8.5	5.956	20	7				
KIO ₃ N: 0.0098629	8	☐	232	622	10	9.0	8.037	10	8				
Standard Titer: 0.7125	9	☐	233	2073	0	9.3	9.234	0	9	2092	9.3	9.251	DUP O ₂
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	234	2051	B-2	8.6	3.808	226	1				SAL
Event: 106	2	☐	235	2068	B-4	8.5	3.741	229	2				
Station: GH 2	3	☐	236	2017	B-6	8.5	3.787	222	3	3126	8.4	3.786	DUP Q2
Event Date (Local): 8/4/13	4	☐	237	458	200	8.3	4.021	200	4				
Analysis Date (Local): 9/4/13	5	☐	238	658	150	8.3	4.107	150	5				
Analyst: H.M.	6	☐	239	355	100	8.3	3.956	100	6				
Stdization Date (Local): 8/4/13	7	☐	240	337	50	8.3	4.807	50	7				
KIO ₃ N: 0.0098629	8	☐	241	309	30	8.6	6.029	30	8				
Standard Titer: 0.7125	9	☐	242	310	20	8.6	6.597	20	9				
Blank Titer: 0.003	10	☐	243	505	10	8.9	7.798	10	10				
THIO N: 0.13939	11	☐	244	3.2	0	No Sample	0 malfunction		11				KIS FIRE
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				
NaI/NaOH ✓	16	☐							16				
H ₂ SO ₄ ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	245	3090	8.2	8.1	5.159	42	1				SAL
Event: 191	2	☐	246	1023	8.4	8.0	5.099	40	2				
Station: BS 5	3	☐	247	3000	8.6	7.9	5.074	38	3				
Event Date (Local): 9/4/13	4	☐	248	329	20	8.0	5.445	20	4	3005	8.0	5.421	DUP O ₂
Analysis Date (Local): 9/4/13	5	☐	249	3008	10	7.9	5.513	10	5				
Analyst: H. A.	6	☐	250	3013	0	9.1	10.374	0	6				
Stdization Date (Local): 8/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7125	9	☐							9				
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	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				
NaI/NaOH ☒	16	☐							16				
H ₂ SO ₄ ☒	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ☒	19	☐							19				
THIO ☒	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	251	3142	8.2	8.0	5.173	43	1				
Event: 194	2	☐	252	3119	8.4	8.0	5.099	41	2	657	8.0	5.087	DUP O2
Station: BS 11	3	☐	253	3067	8.6	8.0	5.060	39	3				
Event Date (Local): 9/4/13	4	☐	254	2062	20	8.0	5.541	20	4				
Analysis Date (Local): 9/4/13	5	☐	255	3118	10	8.0	5.277	10	5				
Analyst: H.M.	6	☐	256	621	0	8.3	7.215	0	6				
Stdization Date (Local): 8/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7125	9	☐							9				
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	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 ☒	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ☒	19	☐							19				
THIO ☒	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

**Institute of Ocean Sciences
Water Properties Group**

Cruise and Analysis Information		Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number:	2013-16	1	☐	257	3043	8-2	8.1	5.136	50	1				SAL
Event:	196	2	☐	258	3135	8-4	8.1	5.007	48	2				
Station:	BS 17	3	☐	259	2098	8-6	8.1	5.103	46	3				
Event Date (Local):	9/4/13	4	☐	260	2097	20	8.1	5.693	20	4				
Analysis Date (Local):	9/4/13	5	☐	261	471	10	8.1	6.203	10	5	557	82	6.214	DUP O ₂
Analyst:	H M	6	☐	262	371	0	8.5	8.322	0	6				
Stdization Date (Local):	8/4/13	7	☐							7				
KIO ₃ N:	0.0093629	8	☐							8				
Standard Titer:	0.7125	9	☐							9				
Blank Titer:	0.003	10	☐							10				
THIO N:	0.13939	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				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences

Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	263	2099	B-2	8.1	52	NO SAMPLE (LID PUT IN * AIR BUBBLE)	1	2061	8.1	4.428	SAL + Du P O ₂
Event: 199	2	☐	264	3019	B-4	8.1	4.438	UPSIDE DOWN	2				CALLED # 264 in FILES
Station: BS 30	3	☐	265	622	B-6	8.1	4.421	(MOVED END PT)	3				SHOULD BE 263 DUPLICATE
Event Date (Local): 9/4/13	4	☐	266	2073	20	8.1	5.185		4				@ 52m
Analysis Date (Local): 9/4/13	5	☐	267	2092	10	8.2	6.524		5				
Analyst: H M.	6	☐	268	3098	0	8.3	7.447		6				
Stdization Date (Local): 8/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7125	9	☐							9				
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	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				
NaI/NaOH ✓	16	☐							16				
H ₂ SO ₄ ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	269	2051	8.3	54	3.687	170	1				
Event: 200	2	☐	270	2068	8.3	100	3.980	1100	2	2017	8.3	3.978	Dup O ₂
Station: BS 34	3	☐	271	3120	8.2	50	4.612	50	3				
Event Date (Local): 9/4/13	4	☐	272	458	8.1	30	4.888	30	4				
Analysis Date (Local): 9/4/13	5	☐	273	658	8.1	20	5.705	20	5				
Analyst: H.M.	6	☐	274	3055	8.4	10	7.412	10	6				
Stdization Date (Local): 8/4/13	7	☐	275	3157	8.5	0	8.218	0	7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7125	9	☐							9				
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	276	3094	6-2	8.3	4.300	55	1				
Event: 201	2	☐	277	3100	8-4	8.3	4.303	53	2				
Station: BS 33	3	☐	278	2075	8-6	8.3	4.283	51	* 3	505	8.3	4.288	DUP O ₂
Event Date (Local): 9/4/13	4	☐	279	3090	20	8.3	5.919	20	4				
Analysis Date (Local): 9/4/13	5	☐	280	1023	10	8.5	7.064	10	5				
Analyst: H.M.	6	☐	281	3000	0	8.6	8.214	0	6				
Stdization Date (Local): 8/4/13	7	☐							7				
KIO ₃ N: 0.0098629	8	☐							8				
Standard Titer: 0.7125	9	☐							9				
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	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 ☒	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ☒	19	☐							19				
THIO ☒	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments
Cruise Number: 2013-16	1	☐	282	329	B-2	8.3	4.775	49	1				SAL
Event: 202	2	☐	283	3005	B-4	8.3	4.778	47	2				
Station: BS 32	3	☐	284	3008	B-6	8.3	4.790	45	3				
Event Date (Local): 9/4/13	4	☐	285	3013	20	8.4	5.434	20	4	3025	8.4	5.429	
Analysis Date (Local): 9/4/13	5	☐	286	3030	10	8.5	6.506	10	5				
Analyst: H.M.	6	☐	287	3031	0	8.6	7.560	0	6				
Stdization Date (Local): 8/4/13	7	☐							7				
KIO ₃ N: 0.0090629	8	☐							8				
Standard Titer: 0.7125	9	☐							9				
Blank Titer: 0.003	10	☐							10				
THIO N: 0.13939	11	☐							11				
Sample Flask Water Seal? (Yes) No	12	☐							12				
	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 ✓	17	☐							17				
NOTE NEW BATCH IN LOG BOOK	18	☐							18				
KIO ₃ ✓	19	☐							19				
THIO ✓	20	☐							20				
Notes:	21	☐							21				
	22	☐							22				
	23	☐							23				
	24	☐							24				

Dissolved Oxygen Analysis Log Sheet

Last Updated: December 2011

Institute of Ocean Sciences
Water Properties Group

Cruise and Analysis Information	Nisk ID	Nisk Int	Sample ID	Flask 1	Depth (m)	Draw T 1 (°C)	OXY 1 (mL/L)	Comments	Nisk ID	Flask 2	Draw T 2 (°C)	OXY 2 (mL/L)	Comments	
Cruise Number: 2013-16	1	☐	288	2025	B-2	8.5	4.900	45	*	1	569	8.4	4.898	DUP O ₂
Event: 203	2	☐	289	2020	B-4	8.4	4.924	43		2				
Station: B531	3	☐	290	2059	B-6	8.4	4.979	41		3				
Event Date (Local): 9/4/13	4	☐	291	2016	Z0	8.5	5.639	20		4				
Analysis Date (Local): 9/4/13	5	☐	292	CA7	10	8.6	6.656	10	Should be 10m (NOT 20m) in file	5				
Analyst: H.M.	6	☐	293	1050	0	8.8	7.763	0		6				
Stdization Date (Local): 8/4/13	7	☐								7				
KIO ₃ N: 0.0098629	8	☐								8				
Standard Titer: 0.7125	9	☐								9				
Blank Titer: 0.003	10	☐								10				
THIO N: 0.13939	11	☐								11				
Sample Flask Water Seal? Yes No	12	☐								12				
	13	☐								13				
Reagent Change? MnCl ₂ Y	14	☐								14				
(Please circle reagent that was changed prior to sampling and standardization)	15	☐								15				
NaI/NaOH Y	16	☐								16				
H ₂ SO ₄ Y	17	☐								17				
NOTE NEW BATCH IN LOG BOOK	18	☐								18				
KIO ₃ Y	19	☐								19				
THIO Y	20	☐								20				
Notes:	21	☐								21				
	22	☐								22				
	23	☐								23				
	24	☐								24				