M	Cruise:	TN-		_	Standard No	-	0.010	
	Date/Time:	Aug	18		Pipette Volu		10.0 m	
	Analyst:	JN		_	Avg Standa		0.54	
					Avg Correct	ion Factor:	0.000	2
	General con	nments:						
	Cast #	Niskin#	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	No	tes
ang 9	ROV-2201	Port For	770	361	129.06	0,278	Post For	Niskin Leak'r
10-5	ROV-2201	11 11		362	123.30	0.277		nt opened
	ROV-2204)) []	2899	363	131.84	0.257		V
Aug 10	ROV-2204	11 11	2899	364	144.37	0,282		
	CTD-001	5	180	366A	138.32	0.468		
Rugit	ij	/	220	372	131.53	0.378		
Jus	CT- 1-001	1	220	384A	146.07	0.398		
		15	80	377 A	13166	0.763		
		13	100	378 A	138.22	0.732		
		10	140	371	134.60	0.521		
		19	40	370	132.83	0.814		
		17	60	383	131.59	0.788	new bull	o in lamp
11		22	20	376	129.56	0.678	7	
		23	10	382	132.81	0.692	*	
				30-				
					- 0			
			. ,			8		
				-				
						-		
	Std #1	0 544	mL	pre/post analysis?	Blank #1	0.05	4	pre/post analysis?
	Std #2	0.558			Blank #2	0.05		
	Std #3	0.545			Blank #3			
	Std #4	0.858			Blank #4			
0	Std #5	0.526						
	Std #6	0 0.11	1 1	I				

			Oxygen Analysis Log						
Cruise:	TN-40-/ ne: Aug 19			Standard No	ormality:	0.0100 N			
Date/Time:				Pipette Volu	ıme:	10.0 mL			
Analyst:	TW		_	Avg Standard:		0,800			
			-	Avg Correct	ion Factor:	-0.001			
General con	nments:				•				
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	Notes			
90V-222D	Port For	600m	6x-369	142,38	0.064				
ROV-2218	Port Aft	80	0X -367	131.04	0.110				
ROV-2220	Port Aft	600	OX-365	141.76	0.064				
ROV 2218	Port For	80	OX-368	140.38	0.152				
					Û				

		<u></u>							
Std #1	0.484		pre/post analysis?	Blank #1	0.05	2 pre/post analysi			
Std #2	0.500			Blank #2	0.05				
Std #3	0.501			Blank #3					
Std #4	0.502			Blank #4					
Std #5									
Std #6	0.S08 0.S03			-					

		on the second			Oxygen Analysis Log			Ē		
	Cruise:	TN	-407		Standard No	ormality:	0.0100 N			
	Date/Time:	Aua	22	-	Pipette Volu	ıme:				
	Analyst:	JIN		_	Avg Standa	rd:	૦.50 ડે			
	-				Avg Correct	ion Factor:	0			
	General com	ments:				_				
	[A11 - 1.1 - 44	D	02 0 -44 - #	O2 Bottle	Buret	Not			
	Cast #	Niskin#	Depth (m)	O2 Bottle #	Volume	Reading	NOU	62		
	CTD-002		720	361	129.06	0.027				
			770	364A	144.37	0.029				
		3	700	362	12330	0.037				
		7	500	363	131,84	0.089				
		9	400	365	141.76	0.134				
		12	250	366 A	138.32	0.213				
		/3	200	361	131.04	0.225				
	-	15	150	368	140.38	0.312				
		17	100	369	142.38	6.376				
		19	50	370	132-83	0.538				
		al	20	371	134.60	0.776				
		23	10	372	131.53	0.695				
	eTD-003	7	2900	373A	140.75	0.241				
		3	2750	374	132.49	0.238				
		7	2000	375	131,32	0.162				
		11	1000	376	129,56	0.032				
		13	500	377	131.66	0.077				
		15	250	378	138-22	0.215				
		17	100	379	127.63	0.338				
		22	30	380	133.78	0.691				
		23	10	381	130.72	6.692				
	Std #1			pre/post analysis?	Blank #1			pre/post analysis?		
	3ta 1/1	0.491	0		_	0.05 0.05				
	Std #2		,		Blank #2					
		0.50				0.05	C			
	Std #3		prose	ſ	Blank #3		ı			
		0.50	5		-					
	Std #4			ı	Blank #4		ı			
		· · · · · · · · · · · · · · · · · · ·			_					
Lancater Company	Std #5			1						
	-			<u> </u>	- .					

Std #6

Cruise:	T11-	407		Standard No	ormality:	0.0100		
Date/Time:	Auga	23 1430	<u></u>	Pipette Volume: 10,0			2	
Analyst:	7.3		-	Avg Standard: 6.497			37	
-			_	Avg Correct	ion Factor:	0.0		
General com	ments:							
Cast #	Niskin#	Depth (m)	O2 Bottle #	O2 Bottle	Buret	N	otes	
Cast #	WISKIII π		OZ Bottle II	Volume	Reading	•		
CTD-004	1	565	361	129.06	0.062			
	3	550	362	133.30	0.060			
	7	400	363	131-84	0-115			
		250	364_	144.37	0.210			
	13	200	365	141.76	0.275			
	15	150	366	138.32	6.285			
	17	100	367	131.04	0.384			
	21	20	368	140.38	0.855			
	23_	10_	369	142.38	0.842			
4	23	10	370	132-83	0.782			
				**************************************	_			
		ļ		**************************************			www.man	

	- "		 					
	*****			<u> </u>	<u> </u>			
							pre/post analysis?	
Std #1	0-48	27	pre/post analysis?	Blank #1	\bigcirc	っちへ	pre/post analysis:	
	<u> </u>	5 7		•		050		
Std #2	000		I	Blank #2	0.0	51	1	
	0, <i>so</i>	<u>'&</u>	,	•	<u> </u>	,)		
Std #3	0.50	3	1	Blank #3			1	
	0,30		<u> </u>	-				
Std #4			1	Blank #4				
			1	-				
Std #5			1					
•			1	-				
Std #6			1					

Cruise:	4N-407	Standard Normality:	0.0160 K103
Date/Time: Analyst:	Aug 28 1400	Pipette Volume: Avg Standard:	0.502
		Avg Correction Factor:	-0.001

Genera	l com	ments:
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C	NI: -1-! 44	Double (ma)	O2 B -++1 o #	O2 Bottle	Buret	Notes
Cast #	Niskin #	Depth (m)	O2 Bottle #	Volume	Reading	Notes
CTD-005	1	578	361	129.de	180	
C+D-005	.3	578	362	123.30	0.06	
1)	7	578 400	362	131.84	0-108	
7/	9	300	365	144.37	0.179	,
ıl	16	250	365	141.76	0.229	
c.(12	200	366	138.32	0.225	
	15	150	367	131.04	0.276	
V)	17	100	368	140.38	0.389	
N I	20	50	369	142,38	0,302	
ι,	21	20	370	132.83	0.78	
	23	10	371	134.60	1,731	
	<u> </u>	578	372	131.53	0,058	
900-010		2898	373	140.75	0.241	
41	3	2750	374	132.49	0.235	WATER TO THE RESERVE
	7	2000	375	131.32	01168	
<i>t !</i>	3	2750	376	129.56	0.228	
, ,		1000	377	131.66	0.03	
()	13	500	378A	138.22	0.088	
	15	250	379	127.63	0.183	
	17	100	3 <i>8</i> 0	133,78	0.332	
	21	30	381	136.72	0.631	
	23	10	382	132.81	0.682	
CTD-007		2600	24)	143.37	0.228	***************************************
)	4	2400	242	128.55	0.198	

Std #1	0.489	pre/post analysis?	Blank #1	0.050	pre/post analysis?
Std #2	0.512		Blank #2	0.049	
Std #3	0.504		Blank #3		
Std #4	0.504		Blank #4		
Std #5]			
Std #6		ı			

	<i></i>		-11/8-111		1	0.0100	x)
Cruise:	70-4	10/		Standard N	-		
Date/Time:	Aug 2	1640	_	Pipette Volu	_	1000 ml	Marie 12 4"
Analyst:	V	JN		Avg Standa			
				Avg Correct	ion Factor:	-0a0	0
General con	nments:						
						1	
	l			O2 Bottle	Buret	BI-1	
Cast #	Niskin#	Depth (m)	O2 Bottle #	Volume	Reading	Notes	
- 1 7.		2000	243A	141, 43	0.175		
CTD-807	- (1 .	244	129.19	0-028		
11	1/	1000					
	11	1000	245	136.06	0.027		
1)	+3	500	246A	142,23	0.105		
	15	250	247	141.48	0.368		
	17	100	248	145.70	0.799		
	21	30_	249	131,28	0-808		
	23	10_	250	158.94	6.649		
				,	\		

					-		
			 				
	<u> </u>		pre/post analysis?		<u> </u>	nre	/post analysi
Std #1	6.480	3	pre/post analysis:	Blank #1	005		, poor analysis
		<u> </u>	<u> </u>	-	0-05	b	
Std #2	0.512	7	ı	Blank #2	0 04	O1	
				-		1	
Std #3	ga gara	. /	ı	Blank #3		1	
,, _	0.50	R-State		=			
Std #4		,		Blank #4		1	
Jtu #4	0.50	4		<i>-</i>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Cr-l #F					_		
Std #5							
				-			
Std #6			1				

Cruise: TN-407 Date/Time: Aug 31 1100				Standard No		0.0100 N 10.0 ML 0.499 -0,001		
Date/Time:	Aug	31 1100	• -	Pipette Volu		10.0 ML		
Analyst:	111		_	Avg Standar		0.1	199	
General con	amonte			Avg Correcti	ion Factor:		,001	
General Con	iiiieiits.							
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle	Buret		Notes	
Cast #			OZ BOUTE #	Volume	Reading		10103	
ROV-2238	A 4	2604	241	143.37	0.233			
ROV 2238		2604	242	128.55	0.226			
ROY 2242		1525	243	141.43	0.096			
RO4-2242	PF	1525	244	129.19	0.690			
		<u> </u>						
				A.L				
•								
							-	
Std #1	04	85	pre/post analysis?	Blank #1	0.0	SO	pre/post analysis	
Std #2	0.502			Blank #2	0.0			
Std #3	0.5	04		Blank #3				
Std #4	0-5	05		Blank #4		.700-000		
Std #5				_				
Std #6			1					

Cruise: Date/Time:	TN-G Sunt 4		-	Standard Normality: Pipette Volume:		0.0) 100 m 0.5	1001
Analyst:		ĺ	<u>-</u>	Avg Standa		0.5	05
				Avg Correct	ion Factor:		
General com	ments:				·		
Cast #	Niskin#	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	ſ	Notes
CTD-008	/	220	361	129.06	0.195		
	5	180	362	123.30	0.237		
	10	140	363	131.84	0.297		
	<u> </u>	220	364	144.37	0.220		
	13	100	365	141.76	0.372		
	1.5	80	366 A	138,32	0.401		
	17	60	367	131.04	0.480		
	19	40	368	140.38	0.520		
	21	20	369	142.38	0.655		
CT D-008	23	10	370	132-83	0.746		
				*;			
							
		<u></u>	pre/post analysis?			L	pre/post analysis?
Std #1	0.40	44		Blank #1	0.0	051	
Std #2				Blank #2	0.0		
-	0.518	<u>8</u>				01	
Std #3	0.504	!		Blank #3			
Std #4	0.503	,		Blank #4			1
Std #5	V 305	3					
3 tu #3		1,		•			
Std #6			1				

Cruise: Date/Time: Analyst:	TN-1 Sept	407 16 133 J	<u>-</u>	Standard Normality: 0.0100 Pipette Volume: 10.0 mL Avg Standard: Avg Correction Factor:			
General com	iments:				within and the state of the sta		
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	N	otes
CTD-009	2	220	362	123.30	0.234		
, 1,	3	180	365	141.76	0.306		
	9	140	367	131.04	0.260		
	13	100	368	140.38	0.399		
	13	100	369	142.38	0.403		
	15	80	370	132.83	0.418		
		60	371	134.60	0.496		
	19	40	3/2	131.53	0-604		
	31	20	373 H 374	140.75	0.728		
	23_		10/4	152.47	0.674		
			-			-	
Std #1	0.48	39	pre/post analysis?	Blank #1	0.0	48	pre/post analysis?
Std #2	6.50			Blank #2	0-0	58	
Std #3	0.50			Blank #3	MANAGEMENT OF THE PROPERTY OF		
Std #4				Blank #4			
Std #5				_			
Std #6			l				