Oxygen A	nalys	is Lo	g
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Cruise: <u>TN-422</u>		Standard Normality:	1.0 N
Date/Time: Aug 15, 2023	<u>/</u>	Pipette Volume:	10.0
Analyst:		Avg Standard:	0.5710 *
		Avg Correction Factor:	-0.0020
General comments:	Oxygon	Log Runt	

				J		
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	Notes
CTD-601	- 1	220	OVY -361	129.06	0.2460	
	3	200	" 362	123.30	0,2340	
	5	180	" 363	131.84	0.2660	
	7	160	" 364 A	144.37	0.3160	A
	9	140	" 365	141.76	0.3420	
	11	120	" 366 A	138.32	0.3680	
	13	100	. 367	181.04	0.3440	131,04
	15	80	" 368	140.38	0.4640	
	17	66	, 369	132.83	0.6400	
	19	40	" 370	134.60	0.7720	
	21	20	" 37 l	131.53	0.9240	
	21	20	1372	140.75	0,9020	duplicate
	23	10	" 373A	132.49	0.8260	
		ė				

Ş	Std #1	0.6720	pre/post analysis:	Blank #1	0.0580	pre/post analysis?
	Std #2	0.6620		Blank #2	0.0560	
	Std #3	0.6000		Blank #3		
	Std #4	0.5920		Blank #4		
	Std #5	0.5460		* on	nitted from Stal	Ava
	Std #6	0.5460			,,,,,,	,

	C	100	, 0			101	
Cruise:	1Nº4	120		Standard No		1.00	
Date/Time: Aug 19, 2023		_	Pipette Volu		10.0	- 10	
Analyst:		N		Avg Standa		0,53	
				Avg Correct		0.00	120 <u> </u>
General con	nments:		Oxygen 1	Log Rur	12		
<u> </u>			, 0				100
Cast #	 > Niskin #	Depth (m)	O2 Bottle #	O2 Bottle	Buret	No	otes
Cast #	Sason		O2 Bottle #	Volume	Reading	1.50	7.03
12-1523	Forward	2901	374	132.49	0.2460		
		2901	375	131,32	0.2540		
CTD-002	7	220	361	129.06	0.2420		
1	8	200	362	123.30	6,2440		******
	10	180	363	131.84	0.2620		
		160	364A	144.37	0.2900		
TO ACCOUNT	12	140	365	141.76	0.3/60		
· ·	14	120	366A	138.32	03320		
	15	100	367	131.04	0.3480	**************************************	***************************************
	17	70	368	140.38	0.3940		<u> </u>
Photos .	18	60	369	142.38	0.5200		
Ob own process	1.8	40	370	132.83	0.4840		
	20	40	371	134,60	0.6160		
The same of the sa	2.7	20	372	131.53	0.8940		
	54	10	373 A	140.75	0.7400	ma r	
		3.2		1 100 100			***************************************

						****	wanna .
	<u> </u>		pre/post analysis?	<u> </u>			pre/post analysis?
Std #1	0.514	' <i>0</i>		Blank #1	0.05	6	pre
			pre	-	0.05		
Std #2	0.536	2D	1	Blank #2	005	4	
		~	1	-		<u> </u>	
Std #3	0.536 0.538 0.536	10		Blank #3			
Std #4	0 531	60		Blank #4			
			<u>l</u>	-			
Std #5							
			L	•			
Std #6			ı				

Cruise:	TN42	22	, -	Standard No	ormality:	1.0 N	1
Date/Time:	TN42 Aug 2	2 202	3	Pipette Volu		1.0 N 10.0 0.51)
Analyst:	75	N		Avg Standa	rd:	0.51	16
		_	-	Avg Correct	ion Factor:	0.0	0
General con	nments:		lygen L	og Rur	<u> </u>		***
			. 10				
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading		Notes
52-1528	Af+	08	361	129.06	0,1020		
k t	AFT	80	361 362	123.30	0.1020		
							- Charles
							· ·
							- Advisor Company
						-	
		ļ					
							Ann.
						ļ	
			1				
		-					
							· · · · · · · · · · · · · · · · · · ·
				W			
					<u> </u>		
Std #1	0.5180	<u> </u>	pre/post analysis?	Blank #1	0.05	40	pre/post analysis?
.			1				
Std #2	0.508	0		Blank #2	0.05	10	
Std #3	0. 508 0. 518	0		Blank #3			
Std #4			1	Blank #4			
Std #5			1	•			
Std #6			<u> </u>				

Oxygen Log Run H Oxygen Analysis Lo

		- \ 0	Oxygen Ar	ialysis Log		,	
Cruise:	uise: TN1422			Standard No	ormality:	1.00	
Date/Time:	ise: TN 422 te/Time: Avg 28 alyst: M White		-	Pipette Volu	ıme:	10,0	
Analyst:	MI	ilaite	_	Avg Standard:		0.5367	
				Avg Correct	ion Factor:	00040)
General con	nments: Ca	of 003 til	rafed W/1.4	mL scid	J2-15	11 back to	1 mL
			,		,		
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	Notes	
db-063		220	361	(29.06	0.3760	Student (CK
	2	220	363	131,84	0.3340		1 (
	5 7	180	364A	14437	0.4740		
	7	160	365	141.76	0.4800		
	9	146	1,66A	138,32	0.4740		
	17	120	367	131.04	0.5920		······
	13	100	368	140.38	0.7380		- 10,
	1.5	80	369	142,38	0.5900		
	17	60	370	132,83	0.4400		
	21	20	3 73A	140.75	0.7500	Production of the Control of the Con	
	23	10	374	132,49	0,2040	<u>_</u>	
	3	200	3(e2	123,30	6.3820	MW	
	19	46	371	134,60	0.9820		
	19	40	242	131.53	6,9040		
J3-154/	aft		375	131,32	0.0980		mine.
	\1		C RE	133,78	0.1100	<u> </u>	
			<u> </u>				
-							

Std #1	0,5	700	pre/post analysis?	Blank #1	0.06		/post analysis?
Std #2	0.5	380		Blank #2	0.05	63	
Std #3	6.53	20		Blank #3	6.056	5/1/2). To *
Std #4				Blank #4			
C+4 #E							

Std #6

Oxygen Log S

	TN 42: Sep 3,2	2 023 1910 White	25	Standard No Pipette Volu Avg Standa Avg Correct	ıme: rd:	1,0 N 10.0 0.5334 -0.001	
General cor	mments:	3A Million of the					
Cast #	Niskin #	Depth (m)	O2 Bottle #	O2 Bottle Volume	Buret Reading	No	tes
004	l	2600	361	129.06	0,2200		
1	3	2400	365	12330	0.1949		
	\\	1000	363	131,84	8.0360		·,
		1000	364A	144.37	0. 0380		
******	13	500	365	141.76	0.0850	<u> </u>	
	15	120	366A 367	138.32	0,3380		
	21	3 0	368	131.04 140.38	0,7400		
	2-3	10	369	142.38	0,7500		
	7	3000	370	132.93			
A							
		·		,			

			1	*****			
Std #1	(5320	pre/post analysis?	Blank #1), (),	0560	pre/post analysis
Std #2	7),5340		Blank #2		.0570	
Std #3	0	,5340		Blank #3			
Std #4				Blank #4			
Std #5				_			
2+4 #6							

Oxygen Log Run 6

			Oxygen Analysis Log			1 - 1	
Cruise:	TW-	422		Standard No	ormality:	10,0	V
Date/Time:	9-10-	2027		Pipette Volu	ıme:	100	ml
Cruise: Date/Time: Analyst:	TXI	2005	_	Avg Standa			1 Section
, and y see				Avg Correct			,oo
General com	am ontci			Avg correct	ion ractor.		,00
General con	iments.						
		T	1	02.0-11	D		
Cast #	Niskin#	Depth (m)	O2 Bottle #	O2 Bottle	Buret		Notes
				Volume	Reading	******	
CTD-005	1:3	570	OX-361	129.06	0.0920	N - 1 10 N -	
	_5	500	0X-362	123,30	0-0580		
	-7	450	0x-363	131.84	0.1420		
	9	400	0X-364 A		0.1760		
	12	350	0X-365	141.76	0.2140		
	13	325	0X-366A	138.32	0.2240		
	15	300	0x-367	131.04	0,2420	*****	
				1.40.38	0,2820		
	1 (275	0X-368				
	19	250	0x-369	132.83	0.2860		
		250	02-370	134.60	0.2680		
	21	225	0x-37/	131.53	0.2900	***************************************	
		<u> </u>					
		<u> </u>	nua/nast analysis?		<u> </u>		pre/post analysis?
Std #1	0 108	275	pre/post analysis?	Blank #1	600	(1)	pre/post analysis:
-	0.490	30		•	0,05	7-	
Std #2	0 001	a a	1	Blank #2	0,05 0,05	<i>11</i>	ı
-	0.524	<i>20</i>			0,03	40	
Std #3	000	110	1	Blank #3			1
	0,52	<u> 40</u>					
Std #4			1	Blank #4			1
						···	
Std #5							
Jtu 113			L				
C+4 #6							

	-1.18-1.1.1	
Cruise: 1N-422	Standard Normality:	1.0 N
Date/Time: Sust 12	Pipette Volume:	10.0 XL
Analyst:	Avg Standard:	0,5180
	Avg Correction Factor:	-00020
General comments:	Oxy Log Run 7	

0	NI: 1: 11	D 11 ()	00 D - 11 - #	O2 Bottle	Buret	Netes
Cast #	Niskin#	Depth (m)	O2 Bottle #	Volume	Reading	Notes
CTD-ØØLO	2	560	0x-363	131.84	0.0800	
CTD-006	5	500	0X-364A	144.37	0.1140	1
CTD-006	7	450	0X-365	141,76	0.1360	
CTD-006	9	400	DX -366A	138.32	0.1640	
CTD-006	11	350	0X-367	131.64	0.1900	
CTD-006	15	300	0x-368	140.38	0,2400	
CTD-006	+	275	0x-349	142.38	0.2700	
CTD-006	18	275	0x-370	132.83	0.1780	Student collect
CTD-0010	19	250	0x-371	134.60	0.2520	
CTD-006	20	250	0x-372	131.53	6.2160	Student Collect
CTD-006	21	225	0x-373A	140.75		DStudent collect
CTD-006	22	225	0x-374	132.49	NOT ANALYZ	Student collect
CTD-006	23	200	0x-376	129.56	0.2780	
CTD-006	1	560	0x-362	123.30	0.0800	leaker
CTD-006	24	200	0x-375	131.32	0.2820	student collect
CTD-006	23	200	0x-377	131.66	0,2820	
CTP-007		2890	0x-313A	138.97	0.2500	
CTD-007	2	2890	0x-314	134.46	0.2400	Student Collect
CTD-007	5	2500	0x-315	132.76	0.2400	
CTD-007	6	2500	0x-316	145.56	0.2760	Student Collect
CTD-007	7	2000	0x-319	141.15	0.1980	,
CTD-007	90	2000	0X-317A	137.24	6.1920	Student collect
CTD-007	9	1750	0x-318	127.31	0:1380	
CTD-007	10	1750	0x-321A	139.89	0.1520	Student Collect

Std #1	0.4980	pre/post analysis?	Blank #1	0.0520	pre/post analysis?
Std #2	0.5280	1	Blank #2	0.0540	
Std #3	0.5280		Blank #3		
Std #4		1	Blank #4		
Std #5					
Std #6	*,	1			

Oxygen Log Run 7B

	Oxygen Analysis Log										
Cruise:	TN-422		Standard Normality:			1.0N					
Date/Time:	Sept. 12		-	Pipette Volu	ıme:	10.0 ML					
Analyst:	JN		-	Avg Standard:		0.5180					
•			-, '	Avg Correct	ion Factor:	-0.00					
General comments: Continue		d from po	before								
)			2				
Cast #	Niskin#	Depth (m)	O2 Bottle #	O2 Bottle	Buret	Notes					
Cast #				Volume	Reading	NO					
CJD - 007	11	1500	0x-322	128. 54	0.0980						
CTD-007	12	1500	0X - 320	131.10	0.1000	student	collect				
CTD-007	13	1250	OX - 326	145.12	0.0800						
CTD-007	14	1250	OX - 324 A	136.20	0.0780	Student	collect				
CTD-007	15	1000	0X - 327	128.92	0.0380						
CTD - 007	16	1000	OX - 323	144.28	0.0840	student	sollect				
CID-007	17	750	0x - 331	146-20	0.0360	* 4					
CTD-007	18	150	0x - 325	126.81	0.0320	student	collect				
CID-007	21	300	0x - 328	132.37	0.2100						
CID-007	23	200	0X-329	140.59	0.3300						
CTD-007	23	200	0x - 330	133.06	0.3160						
CTD-008	1	2589	0x-313A	138.97	0.2120						
10100	5	2250	0×-314	134.46	0.2000						
3 12 - 301	7	2000	OX-315	132.7b	0.1760						
	9	1750	0X-316	145.56	0.1440						
	11	1500	0X-317A	137.24	0.0900						
	13	1250	0X-318	127.31	0.0460						
	17	750	0x-319	141.15	0.0360	- 61					
	19	500	BX-320	131.10	0.1000						
	21	300	6X-321	139.89	0.2400						
	21	300	0X-322	128.54	0.2200						
CTD-008	23	200	0X-323	144.28	0.4580						
72-1554	for wiskin	2600	0x-313A	138.97	0.2200						
Ĭτ	/1	11	0X-314	134.46	0.2320						
Std #1			pre/post analysis?	Blank #1			pre/post analysis?				
3ta #1	0.498	D		. Diame na	0.052	.0					
Std #2	0.5280			Blank #2							
ota ne					0.054	0					
Std #3	h		ī	Blank #3		* * * * * * * * * * * * * * * * * * *					
	0.52	80									
Std #4			ı	Blank #4		, 1					
S+d #5											

Std #6

	I		ONYBCII AI	Oxygen Analysis Log				
Cruise: TN 422 Date/Time: Sept 15 125 Analyst: TN			_	Standard Normality: Pipette Volume: Avg Standard:		1.0 N		
			50			10.0 mL 0.530		
			_					
•			•••	Avg Correcti	ion Factor:	0.00	5	
General com	ments:		Oxugan	Log Run 8				
			Jan.		36 36			
				O2 Bottle	Buret			
Cast #	Niskin#	Depth (m)	O2 Bottle #	Volume	Reading		Notes	
CTD-009	3	525	0XY-313A	138.97	 			
	5	500	OXY-314	134.46	0.1120			
	7	450	OXY-315	132.76	0.1200			
	9	400	0×4-316	145.56	0,1140			
	11	350	0x Y-317A	137,24	0.2040			
	13	325	0xy-318	127.31	0.2580			
	17	274	0XY-319		0.2926			
	19	250	0×4-320	131.10	0.3100			
		225	0 XY-321A	139.89	0.2660			
	21	200	0×4-322	128.54	0.2360			
	23	200	024-323	144.28	0.2640			
		200						
	····							
			<u> </u>					
							,	
		<u> </u>	pre/post analysis?			I	pre/post analysis?	
Std #1	6.52	20	[Blank #1	0.05	520		
Std #2	0,52	20	1	Blank #2	0.05	20		
			<u> 1</u>		http://www.			
Std #3	0,52	40		Blank #3			1	
	VION	<i>y</i> - (• • • • • • • • • • • • • • • • • •	<u></u>					
Std #4				Blank #4				
,			1	-				
Std #5								
				-				
Std #6			1					