DOCUMENT SOURCE
Lawrence Berkeley Laboratory
Archives and Records Office

RECORDS SERIES TITLE
Applied Science Division: Scientists' Papers - Papers of William E. Siri

ACCESSION NO. 434-91-0131
FILE CODE NO. 19-14-18
CARTON NO. 7
FOLDER NAME Dr. Leo Meyer (Marshall Island Natives)
NOTES
FOUND BY Perry Hall

COPY

P

404611

TRITIATED PLASMA SAMPLES

Dr. Leo Meyer
May, 1966

HOLE POS.	SAMPLE	VOL.	INT. STD.	Scpm	Tcpm	Tcorr	T-S	S-b	$S-b_{corr}$	$\frac{T-S}{S-b_{corr}}$	TBW (1)
148	NC Std.	—		27,057					(x1.014)		
149	Ref. Bkg	—		37							
150	H_2O Blk	2 ml	.1947	42	5364	5643	5601				
1	Boehmke	2 ml		2645	7663	8061	5416	2603	2639	2.052	52.697
2	Beasley	2 ml		3121	8270	8700	5579	3079	3122	1.787	45.892
3	Campbell	2 ml		3126	8193	8619	5493	3084	3127	1.757	45.122
4	Capodanno	2 ml		3775	8641	9090	5315	3733	3785	1.404	36.056
5	Cerciello	2 ml		2497	7465	7853	5356	2455	2489	2.152	55.266
6	DeVere	2 ml		2665	7638	8035	5370	2623	2660	2.019	51.850
7	Jenner	2 ml		2830	7934	8347	5517	2788	2827	1.952	50.129
8	Jenson	2 ml		3212	8313	8745	5533	3170	3214	1.722	44.223
9	Pritchard	2 ml		3205	8240	8668	5463	3163	3207	1.703	43.735
10	Spallings	1 ml		1858	8604	9137	7279	1816	1814	3.954	50.769
11	Thomas	2 ml		3179	8269	8699	5520	3137	3181	1.735	44.557
12	Tyler	2 ml		3849	9015	9484	5635	3807	3860	1.460	37.494
13	Wagner	0.25 ml		618	9217	9715	9097	576	584	15.577	50.002

S = sample
T = Sample + Int. Std.
TBW = Total Body Water
$S-b_{corr}$ = S-b (1.014), to correct for 4-6 hrs.

$$TBW(liters) = \frac{\left(\frac{H^2O \text{ dilution}}{2500}\right)(\text{Sample Vol})\left(\frac{\text{Vol. } H^2O}{\text{given}}\right)}{\text{Int. Std. Vol.}}\left(\frac{T-S}{S-b_{corr.}}\right)$$

$$TBW(Kg) = TBW(l) \times 0.985$$

DOCUMENT SOURCE
Lawrence Berkeley Laboratory
Archives and Records Office
RECORDS SERIES TITLE
Applied Science Division: Scientists' Papers - Papers of William E. Siri
ACCESSION NO. 434-91-0131
FILE CODE NO. 19-14-18
CARTON NO. 7
COPY
FOLDER NAME Dr. Leo Meyer (Marshall Island Natives)
NOTES
FOUND BY Perry Hall

NAME	BODY WEIGHT: lbs.	Kg.	TBW (Kg)	TBW (%)	$100-\left(\frac{\%TBW}{0.72}\right)$ = Approx. % FAT
Boehmke	230	104.55	51.91	49.65	31.04
Beasley	157	71.36	45.20	63.34	12.03
Campbell	167	75.91	44.45	58.56	18.67
Capodanno	150	68.18	35.52	52.10	27.64
Cerciello	200	90.91	54.44	59.88	16.83
DeVere	185	84.09	51.07	60.73	15.65
Jenner	190	86.36	49.38	57.18	20.58
Jenson	155	70.45	43.56	61.83	14.12
Pritchard	185	84.09	43.08	51.23	28.85
Spallings	185	84.09	50.01	59.47	17.40
Thomas	178	80.91	43.89	54.25	24.65
Tyler	135	61.36	36.93	60.19	16.40
Wagner	170	77.27	49.25	63.74	11.47

DOCUMENT SOURCE
Lawrence Berkeley Laboratory
Archives and Records Office

RECORDS SERIES TITLE
Applied Science Division: Scientists' Papers - Papers of William E. Siri

ACCESSION NO. 434-91-0131
FILE CODE NO. 19-14-18
CARTON NO. 7
FOLDER NAME Dr. Leo Meyer (Marshall Island Natives)
NOTES
FOUND BY Perry Hall

COPY

TRITIATED PLASMA SAMPLES

Dr. Leo Meyer
May, 1966

HOLE POS.	SAMPLE	VOL. INT. STD.	Scpm	Tcpm	Tcorr	T-S	S-b	$S-b_{corr}$ (x1.014)	$\frac{T-S}{S-b_{corr}}$	TBW (1)
148	NC Std.	—	27,057							
149	Ref. std.	—	37							
150	H_2O Blk	2ml .1947	42	5364	5643	5601				
1	Boehmke	2ml	2645	7663	8061	5416	2603	2639	2.052	52.697
2	Beasley	2ml	3121	8270	8700	5579	3079	3122	1.787	45.892
3	Campbell	2ml	3126	8193	8619	5493	3084	3127	1.757	45.122
4	Capodanno	2ml	3775	8641	9090	5315	3733	3785	1.404	36.056
5	Cerciello	2ml	2497	7465	7853	5356	2455	2489	2.152	55.266
6	DeVere	2ml	2665	7638	8035	5370	2623	2660	2.019	51.850
7	Jenner	2ml	2830	7934	8347	5517	2788	2827	1.952	50.129
8	Jenson	2ml	3212	8313	8745	5533	3170	3214	1.722	44.223
9	Pritchard	2ml	3205	8240	8668	5463	3163	3207	1.703	43.735
10	Spallings	1ml	1358	8604	9137	7279	1316	1314	3.954	50.769
11	Thomas	2ml	3179	8269	8699	5520	3137	3181	1.735	44.557
12	Tyler	2ml	3849	9015	9484	5635	3807	3860	1.460	37.494
13	Wagner	0.25ml	618	9217	9715	9097	576	584	15.577	50.002

S = sample
T = Sample + Int. Std.
TBW = Total Body Water
$S-b_{corr}$ = S-b (1.014), to correct for 4-6 hrs.

$$TBW(liters) = \frac{\left(\frac{H^2O\ dilution}{2500}\right)(Sample\ Vol)\left(\frac{Vol.\ H^2O}{given}\right)}{Int.\ Std.\ Vol.}\left(\frac{T-S}{S-b_{corr.}}\right)$$

$$TBW(Kg) = TBW(l) \times 0.985$$

DOCUMENT SOURCE
Lawrence Berkeley Laboratory
Archives and Records Office

RECORDS SERIES TITLE
Applied Science Division: Scientists' Papers - Papers of William E. Siri

ACCESSION NO. 434-91-0131
FILE CODE NO. 19-14-18
CARTON NO. 7
FOLDER NAME Dr. Leo Meyer (Marshall Island Natives)
NOTES
FOUND BY Perry Hall

COPY

NAME	BODY WEIGHT: lbs.	Kg.	TBW (Kg)	TBW (%)	$1-\left(\frac{\%TBW}{0.72}\right)$ = Approx. % FAT
Boehmke	230	104.55	51.91	49.65	31.04
Beasley	157	71.36	45.20	63.34	12.03
Campbell	167	75.91	44.45	58.56	18.67
Capodanno	150	68.18	35.52	52.10	27.64
Cerciello	200	90.91	54.44	59.88	16.83
DeVere	185	84.09	51.07	60.73	15.65
Jenner	190	86.36	49.38	57.18	20.58
Jenson	155	70.45	43.56	61.83	14.12
Pritchard	185	84.09	43.08	51.23	28.85
Spallings	185	84.09	50.01	59.47	17.40
Thomas	178	80.91	43.89	54.25	24.65
Tyler	135	61.36	36.93	60.19	16.40
Wagner	170	77.27	49.25	63.74	11.47

DOCUMENT SOURCE
Lawrence Berkeley Laboratory
Archives and Records Office

RECORDS SERIES TITLE
Applied Science Division: Scientists' Papers - Papers of William E. Siri

ACCESSION NO. 434-91-0131
FILE CODE NO. 19-14-18
CARTON NO. 7
FOLDER NAME Dr. Leo Meyer (Marshall Island Natives)
NOTES
FOUND BY Perry Hall

COPY

TRITIATED PLASMA SAMPLES

Dr. Leo Meyer
May, 1966

HOLE POS.	SAMPLE	VOL.	INT. STD.	Scpm	Tcpm	Tcorr	T-S	S-b	$S-b_{corr}$ (X1.014)	T-S / $S-b_{corr}$	TBW (1)
148	NC Std.	—		27,057							
149	Ref. Bkg	—		37							
150	H_2O Blk	2 ml	.1947	42	5364	5643	5601				
1	Boehmke	2 ml		2645	7663	8061	5416	2603	2639	2.052	52.697
2	Beasley	2 ml		3121	8270	8700	5579	3079	3122	1.787	45.892
3	Campbell	2 ml		3126	8193	8619	5493	3084	3127	1.757	45.122
4	Capodanno	2 ml		3775	8641	9090	5315	3733	3785	1.404	36.056
5	Cerciello	2 ml		2497	7465	7853	5356	2455	2489	2.152	55.266
6	DeVere	2 ml		2665	7638	8035	5370	2623	2660	2.019	51.850
7	Jenner	2 ml		2830	7934	8347	5517	2788	2827	1.952	50.129
8	Jenson	2 ml		3212	8313	8745	5533	3170	3214	1.722	44.223
9	Pritchard	2 ml		3205	8240	8668	5463	3163	3207	1.703	43.735
10	Spallings	1 ml		1858	8604	9137	7279	1816	1814	3.954	50.769
11	Thomas	2 ml		3179	8269	8699	5520	3137	3181	1.735	44.557
12	Tyler	2 ml		3849	9015	9484	5635	3807	3860	1.460	37.494
13	Wagner	0.25 ml		618	9217	9715	9097	576	584	15.577	50.002

S = sample
T = Sample + Int. Std.
TBW = Total Body Water
$S-b_{corr}$ = S-b (1.014), to correct for 4-6 hrs.

$$TBW(liters) = \frac{\left(\frac{H^2O\ dilution}{2500}\right)(Sample\ Vol)\left(\frac{Vol.\ H^2O}{given}\right)}{Int.\ Std.\ Vol.}\left(\frac{T-S}{S-b_{corr.}}\right)$$

$$TBW(Kg) = TBW(l) \times 0.985$$