



# BARGE "MMI 2804"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 PORT	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
2 STBD	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
3 PORT	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
3 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

June 16, 2020

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,947.62	0	3,637.33	0	3,327.02	0	3,016.70	0	2,705.85	0	2,394.86
1/4		1/4		1/4		1/4		1/4	3,941.15	1/4	3,630.87	1/4	3,320.56	1/4	3,010.24	1/4	2,699.37	1/4	2,388.38
1/2		1/2		1/2		1/2		1/2	3,934.69	1/2	3,624.40	1/2	3,314.09	1/2	3,003.77	1/2	2,692.89	1/2	2,381.90
3/4		3/4		3/4		3/4		3/4	4,216.25	3/4	3,928.22	3/4	3,617.94	3/4	3,307.62	3/4	2,997.31	3/4	2,375.42
1		1		1		1		1	3,921.08	1	3,611.47	1	3,301.16	1	2,990.84	1	2,679.93	1	2,368.95
1/4		1/4		1/4		1/4		1/4	4,209.91	1/4	3,915.29	1/4	3,605.01	1/4	3,294.69	1/4	2,984.38	1/4	2,673.45
1/2		1/2		1/2		1/2		1/2	4,205.66	1/2	3,908.83	1/2	3,598.54	1/2	3,288.22	1/2	2,977.91	1/2	2,666.97
3/4		3/4		3/4		3/4		3/4	4,201.41	3/4	3,902.37	3/4	3,592.08	3/4	3,281.76	3/4	2,971.44	3/4	2,660.49
2		2		2		2		2	4,197.15	2	3,895.90	2	3,585.61	2	3,275.29	2	2,964.97	2	2,654.02
1/4		1/4		1/4		1/4		1/4	4,192.90	1/4	3,889.44	1/4	3,579.15	1/4	3,268.83	1/4	2,958.50	1/4	2,647.54
1/2		1/2		1/2		1/2		1/2	4,187.64	1/2	3,882.98	1/2	3,572.68	1/2	3,262.37	1/2	2,952.02	1/2	2,641.06
3/4		3/4		3/4		3/4		3/4	4,182.38	3/4	3,876.51	3/4	3,566.22	3/4	3,255.90	3/4	2,945.55	3/4	2,634.58
3		3		3		3		3	4,177.12	3	3,870.05	3	3,559.75	3	3,249.44	3	2,939.07	3	2,628.10
1/4		1/4		1/4		1/4		1/4	4,171.86	1/4	3,863.58	1/4	3,553.29	1/4	3,242.98	1/4	2,932.60	1/4	2,621.62
1/2		1/2		1/2		1/2		1/2	4,165.73	1/2	3,857.12	1/2	3,546.82	1/2	3,236.51	1/2	2,926.12	1/2	2,615.14
3/4		3/4		3/4		3/4		3/4	4,159.60	3/4	3,850.66	3/4	3,540.36	3/4	3,230.05	3/4	2,919.64	3/4	2,608.66
4		4		4		4		4	4,153.47	4	3,844.19	4	3,533.89	4	3,223.58	4	2,913.17	4	2,602.18
1/4		1/4		1/4		1/4		1/4	4,147.34	1/4	3,837.73	1/4	3,527.43	1/4	3,217.12	1/4	2,906.69	1/4	2,595.70
1/2		1/2		1/2		1/2		1/2	4,140.97	1/2	3,831.27	1/2	3,520.96	1/2	3,210.65	1/2	2,900.21	1/2	2,589.22
3/4		3/4		3/4		3/4		3/4	4,134.61	3/4	3,824.80	3/4	3,514.50	3/4	3,204.19	3/4	2,893.73	3/4	2,582.74
5		5		5		5		5	4,128.24	5	3,818.34	5	3,508.03	5	3,197.72	5	2,887.25	5	2,576.27
1/4		1/4		1/4		1/4		1/4	4,121.87	1/4	3,811.87	1/4	3,501.57	1/4	3,191.26	1/4	2,880.77	1/4	2,569.79
1/2		1/2		1/2		1/2		1/2	4,115.44	1/2	3,805.41	1/2	3,495.10	1/2	3,184.79	1/2	2,874.29	1/2	2,563.31
3/4		3/4		3/4		3/4		3/4	4,109.02	3/4	3,798.94	3/4	3,488.64	3/4	3,178.33	3/4	2,867.81	3/4	2,556.83
6		6		6		6		6	4,102.59	6	3,792.47	6	3,482.17	6	3,171.86	6	2,861.34	6	2,550.35
1/4		1/4		1/4		1/4		1/4	4,096.16	1/4	3,786.01	1/4	3,475.71	1/4	3,165.40	1/4	2,854.86	1/4	2,543.87
1/2		1/2		1/2		1/2		1/2	4,089.72	1/2	3,779.55	1/2	3,469.24	1/2	3,158.93	1/2	2,848.38	1/2	2,537.39
3/4		3/4		3/4		3/4		3/4	4,083.27	3/4	3,773.08	3/4	3,462.78	3/4	3,152.47	3/4	2,841.90	3/4	2,530.91
7		7		7		7		7	4,076.83	7	3,766.62	7	3,456.31	7	3,146.00	7	2,835.42	7	2,524.44
1/4		1/4		1/4		1/4		1/4	4,070.38	1/4	3,760.16	1/4	3,449.85	1/4	3,139.54	1/4	2,828.94	1/4	2,517.96
1/2		1/2		1/2		1/2		1/2	4,063.93	1/2	3,753.69	1/2	3,443.38	1/2	3,133.07	1/2	2,822.46	1/2	2,511.48
3/4		3/4		3/4		3/4		3/4	4,057.47	3/4	3,747.23	3/4	3,436.92	3/4	3,126.61	3/4	2,815.98	3/4	2,505.00
8		8		8		8		8	4,051.02	8	3,740.76	8	3,430.45	8	3,120.14	8	2,809.51	8	2,498.52
1/4		1/4		1/4		1/4		1/4	4,044.56	1/4	3,734.30	1/4	3,423.99	1/4	3,113.68	1/4	2,803.03	1/4	2,492.04
1/2		1/2		1/2		1/2		1/2	4,038.10	1/2	3,727.84	1/2	3,417.52	1/2	3,107.21	1/2	2,796.55	1/2	2,485.56
3/4		3/4		3/4		3/4		3/4	4,031.64	3/4	3,721.37	3/4	3,411.06	3/4	3,100.75	3/4	2,790.07	3/4	2,479.08
9		9		9		9		9	4,025.18	9	3,714.91	9	3,404.59	9	3,094.28	9	2,783.59	9	2,472.61
1/4		1/4		1/4		1/4		1/4	4,018.72	1/4	3,708.45	1/4	3,398.13	1/4	3,087.82	1/4	2,777.11	1/4	2,466.13
1/2		1/2		1/2		1/2		1/2	4,012.26	1/2	3,701.98	1/2	3,391.67	1/2	3,081.35	1/2	2,770.63	1/2	2,459.65
3/4		3/4		3/4		3/4		3/4	4,005.80	3/4	3,695.52	3/4	3,385.20	3/4	3,074.89	3/4	2,764.15	3/4	2,453.17
10		10		10		10		10	3,999.33	10	3,689.05	10	3,378.74	10	3,068.42	10	2,757.68	10	2,446.69
1/4		1/4		1/4		1/4		1/4	3,992.87	1/4	3,682.59	1/4	3,372.28	1/4	3,061.96	1/4	2,751.20	1/4	2,440.21
1/2		1/2		1/2		1/2		1/2	3,986.41	1/2	3,676.12	1/2	3,365.81	1/2	3,055.49	1/2	2,744.72	1/2	2,433.73
3/4		3/4		3/4		3/4		3/4	3,979.94	3/4	3,669.66	3/4	3,359.35	3/4	3,049.03	3/4	2,738.24	3/4	2,427.25
11		11		11		11		11	3,973.48	11	3,663.19	11	3,352.88	11	3,042.56	11	2,731.76	11	2,420.78
1/4		1/4		1/4		1/4		1/4	3,967.01	1/4	3,656.73	1/4	3,346.42	1/4	3,036.10	1/4	2,725.28	1/4	2,414.30
1/2		1/2		1/2		1/2		1/2	3,960.55	1/2	3,650.26	1/2	3,339.95	1/2	3,029.63	1/2	2,718.80	1/2	2,407.82
3/4		3/4		3/4		3/4		3/4	3,954.08	3/4	3,643.80	3/4	3,333.49	3/4	3,023.17	3/4	2,712.32	3/4	2,401.34

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "MMI 2804"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,083.88	0	1,772.90	0	1,461.91	0	1,150.93	0	840.01	0	529.13	0	227.68	0		0		0	
1/4	2,077.40	1/4	1,766.42	1/4	1,455.43	1/4	1,144.45	1/4	833.54	1/4	522.65	1/4	221.81	1/4	1/4		1/4		1/4
1/2	2,070.92	1/2	1,759.94	1/2	1,448.95	1/2	1,137.97	1/2	827.06	1/2	516.17	1/2	216.08	1/2	1/2		1/2		1/2
3/4	2,064.44	3/4	1,753.46	3/4	1,442.47	3/4	1,131.49	3/4	820.59	3/4	509.69	3/4	210.35	3/4	3/4		3/4		3/4
1	2,057.97	1	1,746.98	1	1,436.00	1	1,125.01	1	814.11	1	503.21	1	204.62	1	1		1		1
1/4	2,051.49	1/4	1,740.50	1/4	1,429.52	1/4	1,118.53	1/4	807.64	1/4	496.73	1/4	198.89	1/4	1/4		1/4		1/4
1/2	2,045.01	1/2	1,734.02	1/2	1,423.04	1/2	1,112.05	1/2	801.16	1/2	490.25	1/2	193.14	1/2	1/2		1/2		1/2
3/4	2,038.53	3/4	1,727.54	3/4	1,416.56	3/4	1,105.57	3/4	794.69	3/4	483.77	3/4	187.40	3/4	3/4		3/4		3/4
2	2,032.05	2	1,721.07	2	1,410.08	2	1,099.10	2	788.21	2	477.30	2	181.65	2	2		2		2
1/4	2,025.57	1/4	1,714.59	1/4	1,403.60	1/4	1,092.62	1/4	781.74	1/4	470.82	1/4	175.91	1/4	1/4		1/4		1/4
1/2	2,019.09	1/2	1,708.11	1/2	1,397.12	1/2	1,086.14	1/2	775.26	1/2	464.34	1/2	170.30	1/2	1/2		1/2		1/2
3/4	2,012.61	3/4	1,701.63	3/4	1,390.64	3/4	1,079.66	3/4	768.79	3/4	457.86	3/4	164.70	3/4	3/4		3/4		3/4
3	2,006.14	3	1,695.15	3	1,384.16	3	1,073.18	3	762.31	3	451.39	3	159.09	3	3		3		3
1/4	1,999.66	1/4	1,688.67	1/4	1,377.68	1/4	1,066.70	1/4	755.84	1/4	444.91	1/4	153.49	1/4	1/4		1/4		1/4
1/2	1,993.18	1/2	1,682.19	1/2	1,371.20	1/2	1,060.22	1/2	749.36	1/2	438.45	1/2	147.97	1/2	1/2		1/2		1/2
3/4	1,986.70	3/4	1,675.71	3/4	1,364.72	3/4	1,053.74	3/4	742.89	3/4	431.98	3/4	142.45	3/4	3/4		3/4		3/4
4	1,980.22	4	1,669.23	4	1,358.25	4	1,047.27	4	736.41	4	425.52	4	136.93	4	4		4		4
1/4	1,973.74	1/4	1,662.75	1/4	1,351.77	1/4	1,040.79	1/4	729.94	1/4	419.06	1/4	131.41	1/4	1/4		1/4		1/4
1/2	1,967.26	1/2	1,656.27	1/2	1,345.29	1/2	1,034.31	1/2	723.46	1/2	412.63	1/2	125.98	1/2	1/2		1/2		1/2
3/4	1,960.78	3/4	1,649.79	3/4	1,338.81	3/4	1,027.83	3/4	716.98	3/4	406.20	3/4	120.55	3/4	3/4		3/4		3/4
5	1,954.30	5	1,643.32	5	1,332.33	5	1,021.35	5	710.51	5	399.77	5	115.13	5	5		5		5
1/4	1,947.82	1/4	1,636.84	1/4	1,325.85	1/4	1,014.87	1/4	704.03	1/4	393.34	1/4	109.70	1/4	1/4		1/4		1/4
1/2	1,941.34	1/2	1,630.36	1/2	1,319.37	1/2	1,008.39	1/2	697.55	1/2	386.96	1/2	104.36	1/2	1/2		1/2		1/2
3/4	1,934.86	3/4	1,623.88	3/4	1,312.89	3/4	1,001.91	3/4	691.08	3/4	380.59	3/4	99.02	3/4	3/4		3/4		3/4
6	1,928.39	6	1,617.40	6	1,306.42	6	995.43	6	684.60	6	374.21	6	93.69	6	6		6		6
1/4	1,921.91	1/4	1,610.92	1/4	1,299.94	1/4	988.95	1/4	678.13	1/4	367.84	1/4	88.35	1/4	1/4		1/4		1/4
1/2	1,915.43	1/2	1,604.44	1/2	1,293.46	1/2	982.47	1/2	671.65	1/2	361.54	1/2	83.11	1/2	1/2		1/2		1/2
3/4	1,908.95	3/4	1,597.96	3/4	1,286.98	3/4	975.99	3/4	665.17	3/4	355.24	3/4	77.87	3/4	3/4		3/4		3/4
7	1,902.47	7	1,591.49	7	1,280.50	7	969.52	7	658.70	7	348.94	7	72.64	7	7		7		7
1/4	1,895.99	1/4	1,585.01	1/4	1,274.02	1/4	963.04	1/4	652.22	1/4	342.64	1/4	67.40	1/4	1/4		1/4		1/4
1/2	1,889.51	1/2	1,578.53	1/2	1,267.54	1/2	956.56	1/2	645.74	1/2	336.42	1/2	62.27	1/2	1/2		1/2		1/2
3/4	1,883.03	3/4	1,572.05	3/4	1,261.06	3/4	950.08	3/4	639.26	3/4	330.20	3/4	57.14	3/4	3/4		3/4		3/4
8	1,876.56	8	1,565.57	8	1,254.59	8	943.61	8	632.79	8	323.99	8	52.01	8	8		8		8
1/4	1,870.08	1/4	1,559.09	1/4	1,248.11	1/4	937.13	1/4	626.31	1/4	317.77	1/4	46.88	1/4	1/4		1/4		1/4
1/2	1,863.60	1/2	1,552.61	1/2	1,241.63	1/2	930.65	1/2	619.83	1/2	311.64	1/2	42.11	1/2	1/2		1/2		1/2
3/4	1,857.12	3/4	1,546.13	3/4	1,235.15	3/4	924.18	3/4	613.35	3/4	305.51	3/4	37.33	3/4	3/4		3/4		3/4
9	1,850.64	9	1,539.66	9	1,228.67	9	917.70	9	606.87	9	299.39	9	32.56	9	9		9		9
1/4	1,844.16	1/4	1,533.18	1/4	1,222.19	1/4	911.23	1/4	600.39	1/4	293.26	1/4	27.79	1/4	1/4		1/4		1/4
1/2	1,837.68	1/2	1,526.70	1/2	1,215.71	1/2	904.76	1/2	593.91	1/2	287.22	1/2	24.05	1/2	1/2		1/2		1/2
3/4	1,831.20	3/4	1,520.22	3/4	1,209.23	3/4	898.28	3/4	587.43	3/4	281.17	3/4	20.31	3/4	3/4		3/4		3/4
10	1,824.73	10	1,513.74	10	1,202.76	10	891.81	10	580.96	10	275.13	10		10	10		10		10
1/4	1,818.25	1/4	1,507.26	1/4	1,196.28	1/4	885.34	1/4	574.48	1/4	269.09	1/4		1/4	1/4		1/4		1/4
1/2	1,811.77	1/2	1,500.78	1/2	1,189.80	1/2	878.86	1/2	568.00	1/2	263.14	1/2		1/2	1/2		1/2		1/2
3/4	1,805.29	3/4	1,494.30	3/4	1,183.32	3/4	872.39	3/4	561.52	3/4	257.18	3/4		3/4	3/4		3/4		3/4
11	1,798.81	11	1,487.83	11	1,176.84	11	865.91	11	555.04	11	251.23	11		11	11		11		11
1/4	1,792.33	1/4	1,481.35	1/4	1,170.36	1/4	859.44	1/4	548.56	1/4	245.28	1/4		1/4	1/4		1/4		1/4
1/2	1,785.85	1/2	1,474.87	1/2	1,163.88	1/2	852.96	1/2	542.08	1/2	239.41	1/2		1/2	1/2		1/2		1/2
3/4	1,779.37	3/4	1,468.39	3/4	1,157.40	3/4	846.49	3/4	535.60	3/4	233.54	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2005 SI  
RECALCULATED: 06/16/2020 PMA  
REPRINTED: 06/17/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,955.30	0	3,644.81	0	3,334.29	0	3,023.78	0	2,712.70	0	2,401.52
1/4		1/4		1/4		1/4		1/4	3,948.83	1/4	3,638.34	1/4	3,327.82	1/4	3,017.31	1/4	2,706.22	1/4	2,395.04
1/2		1/2		1/2		1/2		1/2	3,942.36	1/2	3,631.87	1/2	3,321.35	1/2	3,010.84	1/2	2,699.74	1/2	2,388.56
3/4		3/4		3/4		3/4		3/4	4,224.10	3/4	3,935.89	3/4	3,625.40	3/4	3,314.88	3/4	3,004.37	3/4	2,693.25
1		1		1		1		1	3,929.42	1	3,618.93	1	3,308.41	1	2,997.90	1	2,686.77	1	2,375.59
1/4		1/4		1/4		1/4		1/4	4,217.75	1/4	3,922.95	1/4	3,612.46	1/4	3,301.94	1/4	2,991.43	1/4	2,680.29
1/2		1/2		1/2		1/2		1/2	4,213.50	1/2	3,916.48	1/2	3,605.99	1/2	3,295.47	1/2	2,984.96	1/2	2,673.81
3/4		3/4		3/4		3/4		3/4	4,209.24	3/4	3,910.01	3/4	3,599.52	3/4	3,289.00	3/4	2,978.49	3/4	2,667.33
2		2		2		2		2	4,204.99	2	3,903.55	2	3,593.06	2	3,282.54	2	2,972.01	2	2,660.86
1/4		1/4		1/4		1/4		1/4	4,200.73	1/4	3,897.08	1/4	3,586.59	1/4	3,276.07	1/4	2,965.54	1/4	2,654.38
1/2		1/2		1/2		1/2		1/2	4,195.42	1/2	3,890.61	1/2	3,580.12	1/2	3,269.60	1/2	2,959.06	1/2	2,647.89
3/4		3/4		3/4		3/4		3/4	4,190.11	3/4	3,884.14	3/4	3,573.65	3/4	3,263.13	3/4	2,952.58	3/4	2,641.40
3		3		3		3		3	4,184.79	3	3,877.68	3	3,567.18	3	3,256.66	3	2,946.09	3	2,634.92
1/4		1/4		1/4		1/4		1/4	4,179.48	1/4	3,871.21	1/4	3,560.71	1/4	3,250.19	1/4	2,939.61	1/4	2,628.43
1/2		1/2		1/2		1/2		1/2	4,173.40	1/2	3,864.74	1/2	3,554.24	1/2	3,243.72	1/2	2,933.13	1/2	2,621.94
3/4		3/4		3/4		3/4		3/4	4,167.32	3/4	3,858.27	3/4	3,547.77	3/4	3,237.25	3/4	2,926.65	3/4	2,615.46
4		4		4		4		4	4,161.23	4	3,851.80	4	3,541.30	4	3,230.78	4	2,920.16	4	2,608.97
1/4		1/4		1/4		1/4		1/4	4,155.15	1/4	3,845.33	1/4	3,534.83	1/4	3,224.31	1/4	2,913.68	1/4	2,602.49
1/2		1/2		1/2		1/2		1/2	4,148.78	1/2	3,838.86	1/2	3,528.36	1/2	3,217.84	1/2	2,907.20	1/2	2,596.01
3/4		3/4		3/4		3/4		3/4	4,142.41	3/4	3,832.39	3/4	3,521.89	3/4	3,211.38	3/4	2,900.72	3/4	2,589.52
5		5		5		5		5	4,136.03	5	3,825.93	5	3,515.43	5	3,204.91	5	2,894.23	5	2,583.04
1/4		1/4		1/4		1/4		1/4	4,129.66	1/4	3,819.46	1/4	3,508.96	1/4	3,198.44	1/4	2,887.75	1/4	2,576.56
1/2		1/2		1/2		1/2		1/2	4,123.23	1/2	3,812.99	1/2	3,502.49	1/2	3,191.97	1/2	2,881.27	1/2	2,570.08
3/4		3/4		3/4		3/4		3/4	4,116.80	3/4	3,806.52	3/4	3,496.02	3/4	3,185.50	3/4	2,874.78	3/4	2,563.59
6		6		6		6		6	4,110.36	6	3,800.06	6	3,489.55	6	3,179.03	6	2,868.30	6	2,557.11
1/4		1/4		1/4		1/4		1/4	4,103.93	1/4	3,793.59	1/4	3,483.08	1/4	3,172.56	1/4	2,861.81	1/4	2,550.63
1/2		1/2		1/2		1/2		1/2	4,097.48	1/2	3,787.12	1/2	3,476.61	1/2	3,166.09	1/2	2,855.33	1/2	2,544.15
3/4		3/4		3/4		3/4		3/4	4,091.04	3/4	3,780.65	3/4	3,470.14	3/4	3,159.63	3/4	2,848.85	3/4	2,537.66
7		7		7		7		7	4,084.59	7	3,774.18	7	3,463.67	7	3,153.16	7	2,842.36	7	2,531.18
1/4		1/4		1/4		1/4		1/4	4,078.14	1/4	3,767.71	1/4	3,457.20	1/4	3,146.69	1/4	2,835.88	1/4	2,524.70
1/2		1/2		1/2		1/2		1/2	4,071.68	1/2	3,761.24	1/2	3,450.73	1/2	3,140.22	1/2	2,829.40	1/2	2,518.22
3/4		3/4		3/4		3/4		3/4	4,065.22	3/4	3,754.77	3/4	3,444.26	3/4	3,133.75	3/4	2,822.92	3/4	2,511.73
8		8		8		8		8	4,058.76	8	3,748.31	8	3,437.80	8	3,127.28	8	2,816.43	8	2,505.25
1/4		1/4		1/4		1/4		1/4	4,052.30	1/4	3,741.84	1/4	3,431.33	1/4	3,120.81	1/4	2,809.95	1/4	2,498.77
1/2		1/2		1/2		1/2		1/2	4,045.84	1/2	3,735.37	1/2	3,424.86	1/2	3,114.34	1/2	2,803.47	1/2	2,492.28
3/4		3/4		3/4		3/4		3/4	4,039.37	3/4	3,728.90	3/4	3,418.39	3/4	3,107.87	3/4	2,796.99	3/4	2,485.80
9		9		9		9		9	4,032.91	9	3,722.44	9	3,411.92	9	3,101.40	9	2,790.50	9	2,479.31
1/4		1/4		1/4		1/4		1/4	4,026.44	1/4	3,715.97	1/4	3,405.45	1/4	3,094.93	1/4	2,784.02	1/4	2,472.83
1/2		1/2		1/2		1/2		1/2	4,019.97	1/2	3,709.50	1/2	3,398.98	1/2	3,088.46	1/2	2,777.54	1/2	2,466.35
3/4		3/4		3/4		3/4		3/4	4,013.50	3/4	3,703.03	3/4	3,392.51	3/4	3,082.00	3/4	2,771.05	3/4	2,459.86
10		10		10		10		10	4,007.04	10	3,696.56	10	3,386.04	10	3,075.53	10	2,764.57	10	2,453.38
1/4		1/4		1/4		1/4		1/4	4,000.57	1/4	3,690.09	1/4	3,379.57	1/4	3,069.06	1/4	2,758.09	1/4	2,446.90
1/2		1/2		1/2		1/2		1/2	3,994.10	1/2	3,683.62	1/2	3,373.10	1/2	3,062.59	1/2	2,751.60	1/2	2,440.42
3/4		3/4		3/4		3/4		3/4	3,987.63	3/4	3,677.15	3/4	3,366.63	3/4	3,056.12	3/4	2,745.12	3/4	2,433.93
11		11		11		11		11	3,981.17	11	3,670.69	11	3,360.17	11	3,049.65	11	2,738.63	11	2,427.45
1/4		1/4		1/4		1/4		1/4	3,974.70	1/4	3,664.22	1/4	3,353.70	1/4	3,043.18	1/4	2,732.15	1/4	2,420.97
1/2		1/2		1/2		1/2		1/2	3,968.23	1/2	3,657.75	1/2	3,347.23	1/2	3,036.71	1/2	2,725.67	1/2	2,414.49
3/4		3/4		3/4		3/4		3/4	3,961.76	3/4	3,651.28	3/4	3,340.76	3/4	3,030.25	3/4	2,719.18	3/4	2,408.00

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,090.33	0	1,779.15	0	1,467.96	0	1,156.77	0	845.77	0	534.80	0	229.30	0		0		0	
1/4	2,083.85	1/4	1,772.67	1/4	1,461.48	1/4	1,150.29	1/4	839.30	1/4	528.32	1/4	223.37	1/4		1/4		1/4	
1/2	2,077.37	1/2	1,766.19	1/2	1,455.00	1/2	1,143.81	1/2	832.83	1/2	521.84	1/2	217.53	1/2		1/2		1/2	
3/4	2,070.88	3/4	1,759.70	3/4	1,448.51	3/4	1,137.32	3/4	826.35	3/4	515.35	3/4	211.70	3/4		3/4		3/4	
1	2,064.40	1	1,753.22	1	1,442.03	1	1,130.84	1	819.88	1	508.87	1	205.86	1		1		1	
1/4	2,057.92	1/4	1,746.74	1/4	1,435.55	1/4	1,124.36	1/4	813.41	1/4	502.39	1/4	200.03	1/4		1/4		1/4	
1/2	2,051.44	1/2	1,740.26	1/2	1,429.06	1/2	1,117.88	1/2	806.93	1/2	495.91	1/2	194.27	1/2		1/2		1/2	
3/4	2,044.95	3/4	1,733.77	3/4	1,422.58	3/4	1,111.39	3/4	800.46	3/4	489.42	3/4	188.51	3/4		3/4		3/4	
2	2,038.47	2	1,727.29	2	1,416.09	2	1,104.91	2	793.98	2	482.94	2	182.76	2		2		2	
1/4	2,031.99	1/4	1,720.81	1/4	1,409.61	1/4	1,098.43	1/4	787.51	1/4	476.46	1/4	177.00	1/4		1/4		1/4	
1/2	2,025.51	1/2	1,714.32	1/2	1,403.13	1/2	1,091.95	1/2	781.03	1/2	469.98	1/2	171.36	1/2		1/2		1/2	
3/4	2,019.02	3/4	1,707.84	3/4	1,396.64	3/4	1,085.46	3/4	774.56	3/4	463.49	3/4	165.72	3/4		3/4		3/4	
3	2,012.54	3	1,701.35	3	1,390.16	3	1,078.98	3	768.08	3	457.01	3	160.08	3		3		3	
1/4	2,006.06	1/4	1,694.87	1/4	1,383.68	1/4	1,072.50	1/4	761.61	1/4	450.53	1/4	154.44	1/4		1/4		1/4	
1/2	1,999.58	1/2	1,688.38	1/2	1,377.20	1/2	1,066.02	1/2	755.14	1/2	443.91	1/2	148.88	1/2		1/2		1/2	
3/4	1,993.09	3/4	1,681.90	3/4	1,370.71	3/4	1,059.53	3/4	748.66	3/4	437.30	3/4	143.32	3/4		3/4		3/4	
4	1,986.61	4	1,675.41	4	1,364.23	4	1,053.05	4	742.19	4	430.68	4	137.76	4		4		4	
1/4	1,980.13	1/4	1,668.93	1/4	1,357.75	1/4	1,046.57	1/4	735.72	1/4	424.07	1/4	132.20	1/4		1/4		1/4	
1/2	1,973.64	1/2	1,662.45	1/2	1,351.27	1/2	1,040.08	1/2	729.24	1/2	417.39	1/2	126.73	1/2		1/2		1/2	
3/4	1,967.16	3/4	1,655.96	3/4	1,344.78	3/4	1,033.60	3/4	722.76	3/4	410.71	3/4	121.26	3/4		3/4		3/4	
5	1,960.67	5	1,649.48	5	1,338.30	5	1,027.11	5	716.29	5	404.03	5	115.79	5		5		5	
1/4	1,954.19	1/4	1,643.00	1/4	1,331.82	1/4	1,020.63	1/4	709.81	1/4	397.35	1/4	110.32	1/4		1/4		1/4	
1/2	1,947.71	1/2	1,636.52	1/2	1,325.34	1/2	1,014.15	1/2	703.33	1/2	390.84	1/2	104.95	1/2		1/2		1/2	
3/4	1,941.22	3/4	1,630.03	3/4	1,318.85	3/4	1,007.67	3/4	696.85	3/4	384.34	3/4	99.57	3/4		3/4		3/4	
6	1,934.74	6	1,623.55	6	1,312.37	6	1,001.19	6	690.38	6	377.83	6	94.20	6		6		6	
1/4	1,928.26	1/4	1,617.07	1/4	1,305.89	1/4	994.71	1/4	683.90	1/4	371.33	1/4	88.83	1/4		1/4		1/4	
1/2	1,921.78	1/2	1,610.59	1/2	1,299.40	1/2	988.23	1/2	677.42	1/2	364.94	1/2	83.56	1/2		1/2		1/2	
3/4	1,915.29	3/4	1,604.10	3/4	1,292.92	3/4	981.75	3/4	670.94	3/4	358.54	3/4	78.29	3/4		3/4		3/4	
7	1,908.81	7	1,597.62	7	1,286.43	7	975.27	7	664.46	7	352.15	7	73.02	7		7		7	
1/4	1,902.33	1/4	1,591.14	1/4	1,279.95	1/4	968.79	1/4	657.98	1/4	345.76	1/4	67.75	1/4		1/4		1/4	
1/2	1,895.85	1/2	1,584.66	1/2	1,273.47	1/2	962.31	1/2	651.50	1/2	339.45	1/2	62.58	1/2		1/2		1/2	
3/4	1,889.36	3/4	1,578.17	3/4	1,266.98	3/4	955.83	3/4	645.01	3/4	333.14	3/4	57.42	3/4		3/4		3/4	
8	1,882.88	8	1,571.69	8	1,260.50	8	949.36	8	638.53	8	326.84	8	52.25	8		8		8	
1/4	1,876.40	1/4	1,565.21	1/4	1,254.02	1/4	942.88	1/4	632.05	1/4	320.53	1/4	47.09	1/4		1/4		1/4	
1/2	1,869.92	1/2	1,558.72	1/2	1,247.54	1/2	936.41	1/2	625.57	1/2	314.32	1/2	42.29	1/2		1/2		1/2	
3/4	1,863.43	3/4	1,552.24	3/4	1,241.05	3/4	929.93	3/4	619.08	3/4	308.10	3/4	37.49	3/4		3/4		3/4	
9	1,856.95	9	1,545.75	9	1,234.57	9	923.46	9	612.60	9	301.89	9	32.70	9		9		9	
1/4	1,850.47	1/4	1,539.27	1/4	1,228.09	1/4	916.99	1/4	606.12	1/4	295.68	1/4	27.90	1/4		1/4		1/4	
1/2	1,843.98	1/2	1,532.79	1/2	1,221.61	1/2	910.51	1/2	599.64	1/2	289.56	1/2	24.14	1/2		1/2		1/2	
3/4	1,837.50	3/4	1,526.30	3/4	1,215.12	3/4	904.04	3/4	593.15	3/4	283.44	3/4	20.39	3/4		3/4		3/4	
10	1,831.01	10	1,519.82	10	1,208.64	10	897.56	10	586.67	10	277.32	10		10		10		10	
1/4	1,824.53	1/4	1,513.34	1/4	1,202.16	1/4	891.09	1/4	580.19	1/4	271.20	1/4		1/4		1/4		1/4	
1/2	1,818.05	1/2	1,506.86	1/2	1,195.68	1/2	884.62	1/2	573.71	1/2	265.17	1/2		1/2		1/2		1/2	
3/4	1,811.56	3/4	1,500.37	3/4	1,189.19	3/4	878.14	3/4	567.22	3/4	259.15	3/4		3/4		3/4		3/4	
11	1,805.08	11	1,493.89	11	1,182.71	11	871.67	11	560.74	11	253.12	11		11		11		11	
1/4	1,798.60	1/4	1,487.41	1/4	1,176.23	1/4	865.20	1/4	554.26	1/4	247.10	1/4		1/4		1/4		1/4	
1/2	1,792.12	1/2	1,480.93	1/2	1,169.74	1/2	858.72	1/2	547.77	1/2	241.17	1/2		1/2		1/2		1/2	
3/4	1,785.63	3/4	1,474.44	3/4	1,163.26	3/4	852.25	3/4	541.29	3/4	235.23	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2005 SI  
RECALCULATED: 06/16/2020 PMA  
REPRINTED: 06/17/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,633.04	0	4,274.39	0	3,915.71	0	3,557.03	0	3,197.74	0	2,838.27
1/4		1/4		1/4		1/4		1/4	4,625.57	1/4	4,266.92	1/4	3,908.24	1/4	3,549.56	1/4	3,190.25	1/4	2,830.78
1/2		1/2		1/2		1/2		1/2	4,618.10	1/2	4,259.45	1/2	3,900.77	1/2	3,542.09	1/2	3,182.76	1/2	2,823.30
3/4		3/4		3/4		3/4		3/4	4,610.62	3/4	4,251.97	3/4	3,893.29	3/4	3,534.61	3/4	3,175.27	3/4	2,815.81
1		1		1		1	4,936.56	1	4,603.15	1	4,244.50	1	3,885.82	1	3,527.14	1	3,167.78	1	2,808.32
1/4		1/4		1/4		1/4	4,932.85	1/4	4,595.68	1/4	4,237.03	1/4	3,878.35	1/4	3,519.67	1/4	3,160.29	1/4	2,800.83
1/2		1/2		1/2		1/2	4,929.15	1/2	4,588.21	1/2	4,229.56	1/2	3,870.88	1/2	3,512.20	1/2	3,152.81	1/2	2,793.34
3/4		3/4		3/4		3/4	4,924.19	3/4	4,580.73	3/4	4,222.08	3/4	3,863.40	3/4	3,504.72	3/4	3,145.32	3/4	2,785.85
2		2		2		2	4,919.24	2	4,573.26	2	4,214.61	2	3,855.93	2	3,497.24	2	3,137.83	2	2,778.36
1/4		1/4		1/4		1/4	4,914.28	1/4	4,565.79	1/4	4,207.14	1/4	3,848.46	1/4	3,489.76	1/4	3,130.34	1/4	2,770.87
1/2		1/2		1/2		1/2	4,909.33	1/2	4,558.32	1/2	4,199.67	1/2	3,840.99	1/2	3,482.29	1/2	3,122.85	1/2	2,763.39
3/4		3/4		3/4		3/4	4,903.15	3/4	4,550.85	3/4	4,192.19	3/4	3,833.51	3/4	3,474.80	3/4	3,115.36	3/4	2,755.90
3		3		3		3	4,896.97	3	4,543.38	3	4,184.72	3	3,826.04	3	3,467.32	3	3,107.87	3	2,748.41
1/4		1/4		1/4		1/4	4,890.79	1/4	4,535.91	1/4	4,177.25	1/4	3,818.57	1/4	3,459.84	1/4	3,100.38	1/4	2,740.92
1/2		1/2		1/2		1/2	4,884.62	1/2	4,528.44	1/2	4,169.78	1/2	3,811.10	1/2	3,452.36	1/2	3,092.90	1/2	2,733.43
3/4		3/4		3/4		3/4	4,877.57	3/4	4,520.96	3/4	4,162.30	3/4	3,803.62	3/4	3,444.87	3/4	3,085.41	3/4	2,725.94
4		4		4		4	4,870.53	4	4,513.49	4	4,154.83	4	3,796.15	4	3,437.38	4	3,077.92	4	2,718.45
1/4		1/4		1/4		1/4	4,863.48	1/4	4,506.02	1/4	4,147.36	1/4	3,788.68	1/4	3,429.89	1/4	3,070.43	1/4	2,710.96
1/2		1/2		1/2		1/2	4,856.44	1/2	4,498.55	1/2	4,139.89	1/2	3,781.21	1/2	3,422.40	1/2	3,062.94	1/2	2,703.48
3/4		3/4		3/4		3/4	4,849.07	3/4	4,491.08	3/4	4,132.41	3/4	3,773.73	3/4	3,414.91	3/4	3,055.45	3/4	2,695.99
5		5		5		5	4,841.71	5	4,483.61	5	4,124.94	5	3,766.26	5	3,407.42	5	3,047.96	5	2,688.50
1/4		1/4		1/4		1/4	4,834.35	1/4	4,476.14	1/4	4,117.47	1/4	3,758.79	1/4	3,399.93	1/4	3,040.47	1/4	2,681.01
1/2		1/2		1/2		1/2	4,826.99	1/2	4,468.67	1/2	4,110.00	1/2	3,751.32	1/2	3,392.45	1/2	3,032.98	1/2	2,673.52
3/4		3/4		3/4		3/4	4,819.56	3/4	4,461.19	3/4	4,102.52	3/4	3,743.84	3/4	3,384.96	3/4	3,025.49	3/4	2,666.03
6		6		6		6	4,812.13	6	4,453.72	6	4,095.05	6	3,736.37	6	3,377.47	6	3,018.00	6	2,658.54
1/4		1/4		1/4		1/4	4,804.70	1/4	4,446.25	1/4	4,087.58	1/4	3,728.90	1/4	3,369.98	1/4	3,010.51	1/4	2,651.05
1/2		1/2		1/2		1/2	4,797.27	1/2	4,438.78	1/2	4,080.11	1/2	3,721.43	1/2	3,362.49	1/2	3,003.03	1/2	2,643.57
3/4		3/4		3/4		3/4	4,789.82	3/4	4,431.30	3/4	4,072.63	3/4	3,713.95	3/4	3,355.00	3/4	2,995.54	3/4	2,636.08
7		7		7		7	4,782.37	7	4,423.83	7	4,065.16	7	3,706.48	7	3,347.51	7	2,988.05	7	2,628.59
1/4		1/4		1/4		1/4	4,774.92	1/4	4,416.36	1/4	4,057.69	1/4	3,699.01	1/4	3,340.02	1/4	2,980.56	1/4	2,621.10
1/2		1/2		1/2		1/2	4,767.47	1/2	4,408.89	1/2	4,050.22	1/2	3,691.54	1/2	3,332.54	1/2	2,973.07	1/2	2,613.61
3/4		3/4		3/4		3/4	4,760.01	3/4	4,401.42	3/4	4,042.74	3/4	3,684.06	3/4	3,325.05	3/4	2,965.58	3/4	2,606.12
8		8		8		8	4,752.55	8	4,393.95	8	4,035.27	8	3,676.59	8	3,317.56	8	2,958.09	8	2,598.63
1/4		1/4		1/4		1/4	4,745.09	1/4	4,386.48	1/4	4,027.80	1/4	3,669.12	1/4	3,310.07	1/4	2,950.60	1/4	2,591.14
1/2		1/2		1/2		1/2	4,737.63	1/2	4,379.01	1/2	4,020.33	1/2	3,661.65	1/2	3,302.58	1/2	2,943.12	1/2	2,583.66
3/4		3/4		3/4		3/4	4,730.16	3/4	4,371.53	3/4	4,012.85	3/4	3,654.17	3/4	3,295.09	3/4	2,935.63	3/4	2,576.17
9		9		9		9	4,722.69	9	4,364.06	9	4,005.38	9	3,646.70	9	3,287.60	9	2,928.14	9	2,568.68
1/4		1/4		1/4		1/4	4,715.22	1/4	4,356.59	1/4	3,997.91	1/4	3,639.23	1/4	3,280.11	1/4	2,920.65	1/4	2,561.19
1/2		1/2		1/2		1/2	4,707.75	1/2	4,349.12	1/2	3,990.44	1/2	3,631.76	1/2	3,272.63	1/2	2,913.16	1/2	2,553.70
3/4		3/4		3/4		3/4	4,700.28	3/4	4,341.64	3/4	3,982.96	3/4	3,624.28	3/4	3,265.14	3/4	2,905.67	3/4	2,546.21
10		10		10		10	4,692.81	10	4,334.17	10	3,975.49	10	3,616.81	10	3,257.65	10	2,898.18	10	2,538.72
1/4		1/4		1/4		1/4	4,685.34	1/4	4,326.70	1/4	3,968.02	1/4	3,609.34	1/4	3,250.16	1/4	2,890.69	1/4	2,531.23
1/2		1/2		1/2		1/2	4,677.87	1/2	4,319.23	1/2	3,960.55	1/2	3,601.87	1/2	3,242.67	1/2	2,883.21	1/2	2,523.75
3/4		3/4		3/4		3/4	4,670.39	3/4	4,311.75	3/4	3,953.07	3/4	3,594.39	3/4	3,235.18	3/4	2,875.72	3/4	2,516.26
11		11		11		11	4,662.92	11	4,304.28	11	3,945.60	11	3,586.92	11	3,227.69	11	2,868.23	11	2,508.77
1/4		1/4		1/4		1/4	4,655.45	1/4	4,296.81	1/4	3,938.13	1/4	3,579.45	1/4	3,220.20	1/4	2,860.74	1/4	2,501.28
1/2		1/2		1/2		1/2	4,647.98	1/2	4,289.34	1/2	3,930.66	1/2	3,571.98	1/2	3,212.72	1/2	2,853.25	1/2	2,493.79
3/4		3/4		3/4		3/4	4,640.51	3/4	4,281.86	3/4	3,923.18	3/4	3,564.50	3/4	3,205.23	3/4	2,845.76	3/4	2,486.30

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 48'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,478.81	0	2,119.35	0	1,759.89	0	1,400.42	0	1,041.04	0	681.67	0	322.20	0		0		0	
1/4	2,471.32	1/4	2,111.86	1/4	1,752.40	1/4	1,392.93	1/4	1,033.56	1/4	674.18	1/4	314.71	1/4	1/4		1/4		1/4
1/2	2,463.84	1/2	2,104.37	1/2	1,744.91	1/2	1,385.45	1/2	1,026.08	1/2	666.69	1/2	307.23	1/2	1/2		1/2		1/2
3/4	2,456.35	3/4	2,096.88	3/4	1,737.42	3/4	1,377.96	3/4	1,018.59	3/4	659.20	3/4	299.74	3/4	3/4		3/4		3/4
1	2,448.86	1	2,089.39	1	1,729.93	1	1,370.47	1	1,011.10	1	651.71	1	292.25	1	1		1		1
1/4	2,441.37	1/4	2,081.90	1/4	1,722.44	1/4	1,362.98	1/4	1,003.61	1/4	644.22	1/4	284.76	1/4	1/4		1/4		1/4
1/2	2,433.88	1/2	2,074.42	1/2	1,714.96	1/2	1,355.49	1/2	996.12	1/2	636.74	1/2	277.27	1/2	1/2		1/2		1/2
3/4	2,426.39	3/4	2,066.93	3/4	1,707.47	3/4	1,348.00	3/4	988.63	3/4	629.25	3/4	269.78	3/4	3/4		3/4		3/4
2	2,418.90	2	2,059.44	2	1,699.98	2	1,340.51	2	981.15	2	621.76	2	262.29	2	2		2		2
1/4	2,411.41	1/4	2,051.95	1/4	1,692.49	1/4	1,333.02	1/4	973.66	1/4	614.27	1/4	254.80	1/4	1/4		1/4		1/4
1/2	2,403.93	1/2	2,044.46	1/2	1,685.00	1/2	1,325.54	1/2	966.18	1/2	606.78	1/2	247.32	1/2	1/2		1/2		1/2
3/4	2,396.44	3/4	2,036.97	3/4	1,677.51	3/4	1,318.05	3/4	958.69	3/4	599.29	3/4	239.83	3/4	3/4		3/4		3/4
3	2,388.95	3	2,029.48	3	1,670.02	3	1,310.56	3	951.21	3	591.80	3	232.34	3	3		3		3
1/4	2,381.46	1/4	2,021.99	1/4	1,662.53	1/4	1,303.07	1/4	943.72	1/4	584.31	1/4	224.85	1/4	1/4		1/4		1/4
1/2	2,373.97	1/2	2,014.51	1/2	1,655.05	1/2	1,295.58	1/2	936.24	1/2	576.83	1/2	217.36	1/2	1/2		1/2		1/2
3/4	2,366.48	3/4	2,007.02	3/4	1,647.56	3/4	1,288.09	3/4	928.75	3/4	569.34	3/4	209.87	3/4	3/4		3/4		3/4
4	2,358.99	4	1,999.53	4	1,640.07	4	1,280.60	4	921.27	4	561.85	4	202.39	4	4		4		4
1/4	2,351.50	1/4	1,992.04	1/4	1,632.58	1/4	1,273.11	1/4	913.78	1/4	554.36	1/4	194.90	1/4	1/4		1/4		1/4
1/2	2,344.02	1/2	1,984.55	1/2	1,625.09	1/2	1,265.63	1/2	906.30	1/2	546.87	1/2	187.42	1/2	1/2		1/2		1/2
3/4	2,336.53	3/4	1,977.06	3/4	1,617.60	3/4	1,258.14	3/4	898.81	3/4	539.38	3/4	179.94	3/4	3/4		3/4		3/4
5	2,329.04	5	1,969.57	5	1,610.11	5	1,250.65	5	891.33	5	531.89	5	172.46	5	5		5		5
1/4	2,321.55	1/4	1,962.08	1/4	1,602.62	1/4	1,243.16	1/4	883.84	1/4	524.40	1/4	164.98	1/4	1/4		1/4		1/4
1/2	2,314.06	1/2	1,954.60	1/2	1,595.14	1/2	1,235.67	1/2	876.36	1/2	516.92	1/2	157.50	1/2	1/2		1/2		1/2
3/4	2,306.57	3/4	1,947.11	3/4	1,587.65	3/4	1,228.18	3/4	868.87	3/4	509.43	3/4	150.03	3/4	3/4		3/4		3/4
6	2,299.08	6	1,939.62	6	1,580.16	6	1,220.69	6	861.38	6	501.94	6	142.56	6	6		6		6
1/4	2,291.59	1/4	1,932.13	1/4	1,572.67	1/4	1,213.20	1/4	853.89	1/4	494.45	1/4	135.09	1/4	1/4		1/4		1/4
1/2	2,284.10	1/2	1,924.64	1/2	1,565.18	1/2	1,205.72	1/2	846.41	1/2	486.96	1/2	127.62	1/2	1/2		1/2		1/2
3/4	2,276.61	3/4	1,917.15	3/4	1,557.69	3/4	1,198.23	3/4	838.92	3/4	479.47	3/4	120.16	3/4	3/4		3/4		3/4
7	2,269.12	7	1,909.66	7	1,550.20	7	1,190.74	7	831.43	7	471.98	7	112.71	7	7		7		7
1/4	2,261.63	1/4	1,902.17	1/4	1,542.71	1/4	1,183.25	1/4	823.94	1/4	464.49	1/4	105.26	1/4	1/4		1/4		1/4
1/2	2,254.15	1/2	1,894.69	1/2	1,535.22	1/2	1,175.76	1/2	816.46	1/2	457.01	1/2	97.81	1/2	1/2		1/2		1/2
3/4	2,246.65	3/4	1,887.20	3/4	1,527.73	3/4	1,168.27	3/4	808.97	3/4	449.52	3/4	90.39	3/4	3/4		3/4		3/4
8	2,239.16	8	1,879.71	8	1,520.24	8	1,160.79	8	801.48	8	442.03	8	82.97	8	8		8		8
1/4	2,231.67	1/4	1,872.22	1/4	1,512.75	1/4	1,153.30	1/4	793.99	1/4	434.54	1/4	75.55	1/4	1/4		1/4		1/4
1/2	2,224.18	1/2	1,864.73	1/2	1,505.27	1/2	1,145.82	1/2	786.51	1/2	427.05	1/2	68.13	1/2	1/2		1/2		1/2
3/4	2,216.69	3/4	1,857.24	3/4	1,497.78	3/4	1,138.33	3/4	779.02	3/4	419.56	3/4	61.15	3/4	3/4		3/4		3/4
9	2,209.21	9	1,849.75	9	1,490.29	9	1,130.85	9	771.53	9	412.07	9	54.18	9	9		9		9
1/4	2,201.72	1/4	1,842.26	1/4	1,482.80	1/4	1,123.36	1/4	764.04	1/4	404.58	1/4	47.20	1/4	1/4		1/4		1/4
1/2	2,194.24	1/2	1,834.78	1/2	1,475.31	1/2	1,115.88	1/2	756.56	1/2	397.10	1/2	40.23	1/2	1/2		1/2		1/2
3/4	2,186.75	3/4	1,827.29	3/4	1,467.82	3/4	1,108.39	3/4	749.07	3/4	389.61	3/4	34.75	3/4	3/4		3/4		3/4
10	2,179.26	10	1,819.80	10	1,460.33	10	1,100.91	10	741.58	10	382.12	10	29.28	10	10		10		10
1/4	2,171.77	1/4	1,812.31	1/4	1,452.84	1/4	1,093.42	1/4	734.09	1/4	374.63	1/4		1/4	1/4		1/4		1/4
1/2	2,164.28	1/2	1,804.82	1/2	1,445.36	1/2	1,085.94	1/2	726.60	1/2	367.14	1/2		1/2	1/2		1/2		1/2
3/4	2,156.79	3/4	1,797.33	3/4	1,437.87	3/4	1,078.45	3/4	719.11	3/4	359.65	3/4		3/4	3/4		3/4		3/4
11	2,149.30	11	1,789.84	11	1,430.38	11	1,070.97	11	711.62	11	352.16	11		11	11		11		11
1/4	2,141.81	1/4	1,782.35	1/4	1,422.89	1/4	1,063.48	1/4	704.13	1/4	344.67	1/4		1/4	1/4		1/4		1/4
1/2	2,134.33	1/2	1,774.87	1/2	1,415.40	1/2	1,056.00	1/2	696.65	1/2	337.18	1/2		1/2	1/2		1/2		1/2
3/4	2,126.84	3/4	1,767.38	3/4	1,407.91	3/4	1,048.52	3/4	689.16	3/4	329.69	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2005 SI  
 RECALCULATED: 06/16/2020 PMA  
 REPRINTED: 06/17/2020 PMA

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 06/2020

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,617.92	0	4,259.71	0	3,901.46	0	3,543.22	0	3,184.40	0	2,825.50
1/4		1/4		1/4		1/4		1/4	4,610.46	1/4	4,252.25	1/4	3,894.00	1/4	3,535.76	1/4	3,176.93	1/4	2,818.03
1/2		1/2		1/2		1/2		1/2	4,602.99	1/2	4,244.78	1/2	3,886.53	1/2	3,528.29	1/2	3,169.45	1/2	2,810.55
3/4		3/4		3/4		3/4		3/4	4,928.08	3/4	4,595.53	3/4	4,237.32	3/4	3,879.07	3/4	3,520.83	3/4	3,161.98
1		1		1		1		1	4,924.33	1	4,588.07	1	4,229.85	1	3,871.61	1	3,513.36	1	3,154.50
1/4		1/4		1/4		1/4		1/4	4,920.58	1/4	4,580.61	1/4	4,222.39	1/4	3,864.15	1/4	3,505.90	1/4	3,147.03
1/2		1/2		1/2		1/2		1/2	4,915.73	1/2	4,573.14	1/2	4,214.92	1/2	3,856.68	1/2	3,498.43	1/2	3,139.55
3/4		3/4		3/4		3/4		3/4	4,910.88	3/4	4,565.68	3/4	4,207.46	3/4	3,849.22	3/4	3,490.96	3/4	3,132.07
2		2		2		2		2	4,906.03	2	4,558.22	2	4,200.00	2	3,841.75	2	3,483.49	2	3,124.59
1/4		1/4		1/4		1/4		1/4	4,901.18	1/4	4,550.76	1/4	4,192.54	1/4	3,834.29	1/4	3,476.03	1/4	3,117.12
1/2		1/2		1/2		1/2		1/2	4,895.03	1/2	4,543.29	1/2	4,185.07	1/2	3,826.82	1/2	3,468.55	1/2	3,109.64
3/4		3/4		3/4		3/4		3/4	4,888.89	3/4	4,535.83	3/4	4,177.61	3/4	3,819.36	3/4	3,461.07	3/4	3,102.16
3		3		3		3		3	4,882.75	3	4,528.37	3	4,170.15	3	3,811.90	3	3,453.59	3	3,094.68
1/4		1/4		1/4		1/4		1/4	4,876.61	1/4	4,520.91	1/4	4,162.69	1/4	3,804.44	1/4	3,446.11	1/4	3,087.21
1/2		1/2		1/2		1/2		1/2	4,869.58	1/2	4,513.44	1/2	4,155.22	1/2	3,796.97	1/2	3,438.63	1/2	3,079.73
3/4		3/4		3/4		3/4		3/4	4,862.56	3/4	4,505.98	3/4	4,147.76	3/4	3,789.51	3/4	3,431.15	3/4	3,072.25
4		4		4		4		4	4,855.53	4	4,498.52	4	4,140.29	4	3,782.05	4	3,423.67	4	3,064.77
1/4		1/4		1/4		1/4		1/4	4,848.51	1/4	4,491.06	1/4	4,132.83	1/4	3,774.59	1/4	3,416.20	1/4	3,057.30
1/2		1/2		1/2		1/2		1/2	4,841.15	1/2	4,483.59	1/2	4,125.36	1/2	3,767.12	1/2	3,408.72	1/2	3,049.82
3/4		3/4		3/4		3/4		3/4	4,833.80	3/4	4,476.13	3/4	4,117.90	3/4	3,759.66	3/4	3,401.25	3/4	3,042.34
5		5		5		5		5	4,826.45	5	4,468.67	5	4,110.44	5	3,752.19	5	3,393.77	5	3,034.86
1/4		1/4		1/4		1/4		1/4	4,819.10	1/4	4,461.21	1/4	4,102.98	1/4	3,744.73	1/4	3,386.30	1/4	3,027.39
1/2		1/2		1/2		1/2		1/2	4,811.68	1/2	4,453.74	1/2	4,095.51	1/2	3,737.26	1/2	3,378.82	1/2	3,019.91
3/4		3/4		3/4		3/4		3/4	4,804.26	3/4	4,446.28	3/4	4,088.05	3/4	3,729.80	3/4	3,371.34	3/4	3,012.43
6		6		6		6		6	4,796.84	6	4,438.82	6	4,080.58	6	3,722.34	6	3,363.86	6	3,004.95
1/4		1/4		1/4		1/4		1/4	4,789.42	1/4	4,431.36	1/4	4,073.12	1/4	3,714.88	1/4	3,356.39	1/4	2,997.48
1/2		1/2		1/2		1/2		1/2	4,781.98	1/2	4,423.89	1/2	4,065.65	1/2	3,707.41	1/2	3,348.91	1/2	2,990.00
3/4		3/4		3/4		3/4		3/4	4,774.54	3/4	4,416.43	3/4	4,058.19	3/4	3,699.95	3/4	3,341.43	3/4	2,982.52
7		7		7		7		7	4,767.10	7	4,408.97	7	4,050.73	7	3,692.49	7	3,333.95	7	2,975.04
1/4		1/4		1/4		1/4		1/4	4,759.66	1/4	4,401.51	1/4	4,043.27	1/4	3,685.03	1/4	3,326.48	1/4	2,967.57
1/2		1/2		1/2		1/2		1/2	4,752.20	1/2	4,394.04	1/2	4,035.80	1/2	3,677.56	1/2	3,319.00	1/2	2,960.09
3/4		3/4		3/4		3/4		3/4	4,744.75	3/4	4,386.58	3/4	4,028.34	3/4	3,670.10	3/4	3,311.52	3/4	2,952.61
8		8		8		8		8	4,737.30	8	4,379.12	8	4,020.88	8	3,662.63	8	3,304.04	8	2,945.13
1/4		1/4		1/4		1/4		1/4	4,729.85	1/4	4,371.66	1/4	4,013.42	1/4	3,655.17	1/4	3,296.57	1/4	2,937.66
1/2		1/2		1/2		1/2		1/2	4,722.39	1/2	4,364.19	1/2	4,005.95	1/2	3,647.70	1/2	3,289.09	1/2	2,930.18
3/4		3/4		3/4		3/4		3/4	4,714.93	3/4	4,356.73	3/4	3,998.49	3/4	3,640.24	3/4	3,281.61	3/4	2,922.70
9		9		9		9		9	4,707.47	9	4,349.27	9	3,991.02	9	3,632.78	9	3,274.13	9	2,915.22
1/4		1/4		1/4		1/4		1/4	4,700.01	1/4	4,341.81	1/4	3,983.56	1/4	3,625.32	1/4	3,266.65	1/4	2,907.75
1/2		1/2		1/2		1/2		1/2	4,692.54	1/2	4,334.34	1/2	3,976.09	1/2	3,617.85	1/2	3,259.17	1/2	2,900.27
3/4		3/4		3/4		3/4		3/4	4,685.08	3/4	4,326.88	3/4	3,968.63	3/4	3,610.39	3/4	3,251.70	3/4	2,892.80
10		10		10		10		10	4,677.62	10	4,319.41	10	3,961.17	10	3,602.92	10	3,244.22	10	2,885.32
1/4		1/4		1/4		1/4		1/4	4,670.16	1/4	4,311.95	1/4	3,953.71	1/4	3,595.46	1/4	3,236.75	1/4	2,877.85
1/2		1/2		1/2		1/2		1/2	4,662.69	1/2	4,304.48	1/2	3,946.24	1/2	3,587.99	1/2	3,229.27	1/2	2,870.37
3/4		3/4		3/4		3/4		3/4	4,655.23	3/4	4,297.02	3/4	3,938.78	3/4	3,580.53	3/4	3,221.79	3/4	2,862.89
11		11		11		11		11	4,647.77	11	4,289.56	11	3,931.32	11	3,573.07	11	3,214.31	11	2,855.41
1/4		1/4		1/4		1/4		1/4	4,640.31	1/4	4,282.10	1/4	3,923.86	1/4	3,565.61	1/4	3,206.84	1/4	2,847.94
1/2		1/2		1/2		1/2		1/2	4,632.84	1/2	4,274.63	1/2	3,916.39	1/2	3,558.14	1/2	3,199.36	1/2	2,840.46
3/4		3/4		3/4		3/4		3/4	4,625.38	3/4	4,267.17	3/4	3,908.93	3/4	3,550.68	3/4	3,191.88	3/4	2,832.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 48'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "MMI 2804"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,466.59	0	2,107.69	0	1,748.77	0	1,389.86	0	1,031.80	0	673.80	0	314.89	0		0		0	
1/4	2,459.12	1/4	2,100.22	1/4	1,741.30	1/4	1,382.39	1/4	1,024.36	1/4	666.33	1/4	307.42	1/4	1/4		1/4		1/4
1/2	2,451.64	1/2	2,092.74	1/2	1,733.82	1/2	1,374.91	1/2	1,016.92	1/2	658.85	1/2	299.94	1/2	1/2		1/2		1/2
3/4	2,444.16	3/4	2,085.26	3/4	1,726.34	3/4	1,367.43	3/4	1,009.48	3/4	651.37	3/4	292.46	3/4	3/4		3/4		3/4
1	2,436.68	1	2,077.78	1	1,718.86	1	1,359.95	1	1,002.04	1	643.89	1	284.98	1	1		1		1
1/4	2,429.21	1/4	2,070.31	1/4	1,711.39	1/4	1,352.48	1/4	994.60	1/4	636.42	1/4	277.51	1/4	1/4		1/4		1/4
1/2	2,421.73	1/2	2,062.83	1/2	1,703.91	1/2	1,345.00	1/2	987.16	1/2	628.94	1/2	270.03	1/2	1/2		1/2		1/2
3/4	2,414.26	3/4	2,055.35	3/4	1,696.43	3/4	1,337.52	3/4	979.72	3/4	621.46	3/4	262.55	3/4	3/4		3/4		3/4
2	2,406.78	2	2,047.87	2	1,688.95	2	1,330.04	2	972.28	2	613.98	2	255.07	2	2		2		2
1/4	2,399.31	1/4	2,040.40	1/4	1,681.48	1/4	1,322.57	1/4	964.84	1/4	606.51	1/4	247.60	1/4	1/4		1/4		1/4
1/2	2,391.83	1/2	2,032.92	1/2	1,674.00	1/2	1,315.09	1/2	957.40	1/2	599.03	1/2	240.12	1/2	1/2		1/2		1/2
3/4	2,384.35	3/4	2,025.44	3/4	1,666.52	3/4	1,307.61	3/4	949.96	3/4	591.56	3/4	232.64	3/4	3/4		3/4		3/4
3	2,376.87	3	2,017.96	3	1,659.04	3	1,300.13	3	942.52	3	584.08	3	225.16	3	3		3		3
1/4	2,369.40	1/4	2,010.49	1/4	1,651.57	1/4	1,292.66	1/4	935.08	1/4	576.61	1/4	217.69	1/4	1/4		1/4		1/4
1/2	2,361.92	1/2	2,003.01	1/2	1,644.09	1/2	1,285.18	1/2	927.64	1/2	569.13	1/2	210.21	1/2	1/2		1/2		1/2
3/4	2,354.44	3/4	1,995.53	3/4	1,636.61	3/4	1,277.70	3/4	920.20	3/4	561.65	3/4	202.74	3/4	3/4		3/4		3/4
4	2,346.96	4	1,988.05	4	1,629.13	4	1,270.22	4	912.76	4	554.17	4	195.26	4	4		4		4
1/4	2,339.49	1/4	1,980.58	1/4	1,621.66	1/4	1,262.75	1/4	905.32	1/4	546.70	1/4	187.79	1/4	1/4		1/4		1/4
1/2	2,332.01	1/2	1,973.10	1/2	1,614.18	1/2	1,255.27	1/2	897.87	1/2	539.22	1/2	180.32	1/2	1/2		1/2		1/2
3/4	2,324.53	3/4	1,965.62	3/4	1,606.70	3/4	1,247.79	3/4	890.43	3/4	531.74	3/4	172.85	3/4	3/4		3/4		3/4
5	2,317.05	5	1,958.14	5	1,599.22	5	1,240.31	5	882.99	5	524.26	5	165.38	5	5		5		5
1/4	2,309.58	1/4	1,950.67	1/4	1,591.75	1/4	1,232.84	1/4	875.55	1/4	516.79	1/4	157.91	1/4	1/4		1/4		1/4
1/2	2,302.10	1/2	1,943.19	1/2	1,584.27	1/2	1,225.37	1/2	868.09	1/2	509.31	1/2	150.45	1/2	1/2		1/2		1/2
3/4	2,294.62	3/4	1,935.71	3/4	1,576.79	3/4	1,217.90	3/4	860.64	3/4	501.83	3/4	142.99	3/4	3/4		3/4		3/4
6	2,287.14	6	1,928.23	6	1,569.31	6	1,210.43	6	853.18	6	494.35	6	135.53	6	6		6		6
1/4	2,279.67	1/4	1,920.76	1/4	1,561.84	1/4	1,202.97	1/4	845.73	1/4	486.88	1/4	128.08	1/4	1/4		1/4		1/4
1/2	2,272.19	1/2	1,913.28	1/2	1,554.36	1/2	1,195.52	1/2	838.26	1/2	479.40	1/2	120.63	1/2	1/2		1/2		1/2
3/4	2,264.71	3/4	1,905.80	3/4	1,546.88	3/4	1,188.07	3/4	830.79	3/4	471.92	3/4	113.19	3/4	3/4		3/4		3/4
7	2,257.23	7	1,898.32	7	1,539.40	7	1,180.62	7	823.32	7	464.44	7	105.75	7	7		7		7
1/4	2,249.76	1/4	1,890.85	1/4	1,531.93	1/4	1,173.18	1/4	815.86	1/4	456.97	1/4	98.31	1/4	1/4		1/4		1/4
1/2	2,242.28	1/2	1,883.37	1/2	1,524.45	1/2	1,165.73	1/2	808.38	1/2	449.49	1/2	90.90	1/2	1/2		1/2		1/2
3/4	2,234.80	3/4	1,875.89	3/4	1,516.98	3/4	1,158.29	3/4	800.90	3/4	442.01	3/4	83.49	3/4	3/4		3/4		3/4
8	2,227.32	8	1,868.41	8	1,509.50	8	1,150.85	8	793.42	8	434.53	8	76.08	8	8		8		8
1/4	2,219.85	1/4	1,860.94	1/4	1,502.03	1/4	1,143.41	1/4	785.95	1/4	427.06	1/4	68.67	1/4	1/4		1/4		1/4
1/2	2,212.37	1/2	1,853.46	1/2	1,494.55	1/2	1,135.96	1/2	778.47	1/2	419.58	1/2	61.68	1/2	1/2		1/2		1/2
3/4	2,204.89	3/4	1,845.98	3/4	1,487.07	3/4	1,128.52	3/4	771.00	3/4	412.10	3/4	54.70	3/4	3/4		3/4		3/4
9	2,197.41	9	1,838.50	9	1,479.59	9	1,121.08	9	763.53	9	404.62	9	47.72	9	9		9		9
1/4	2,189.94	1/4	1,831.03	1/4	1,472.12	1/4	1,113.64	1/4	756.06	1/4	397.15	1/4	40.74	1/4	1/4		1/4		1/4
1/2	2,182.46	1/2	1,823.55	1/2	1,464.64	1/2	1,106.20	1/2	748.58	1/2	389.67	1/2	35.22	1/2	1/2		1/2		1/2
3/4	2,174.98	3/4	1,816.07	3/4	1,457.16	3/4	1,098.76	3/4	741.10	3/4	382.19	3/4	29.71	3/4	3/4		3/4		3/4
10	2,167.50	10	1,808.59	10	1,449.68	10	1,091.32	10	733.62	10	374.71	10		10	10		10		10
1/4	2,160.03	1/4	1,801.12	1/4	1,442.21	1/4	1,083.88	1/4	726.15	1/4	367.24	1/4		1/4	1/4		1/4		1/4
1/2	2,152.55	1/2	1,793.64	1/2	1,434.73	1/2	1,076.44	1/2	718.67	1/2	359.76	1/2		1/2	1/2		1/2		1/2
3/4	2,145.08	3/4	1,786.16	3/4	1,427.25	3/4	1,069.00	3/4	711.19	3/4	352.28	3/4		3/4	3/4		3/4		3/4
11	2,137.60	11	1,778.68	11	1,419.77	11	1,061.56	11	703.71	11	344.80	11		11	11		11		11
1/4	2,130.13	1/4	1,771.21	1/4	1,412.30	1/4	1,054.12	1/4	696.24	1/4	337.33	1/4		1/4	1/4		1/4		1/4
1/2	2,122.65	1/2	1,763.73	1/2	1,404.82	1/2	1,046.68	1/2	688.76	1/2	329.85	1/2		1/2	1/2		1/2		1/2
3/4	2,115.17	3/4	1,756.25	3/4	1,397.34	3/4	1,039.24	3/4	681.28	3/4	322.37	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2005 SI  
RECALCULATED: 06/16/2020 PMA  
REPRINTED: 06/17/2020 PMA

CANCELS AND SUPERCEDES  
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PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "MMI 2804"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,482.26	0	2,123.20	0	1,764.14	0	1,405.08	0	1,046.08	0	687.13	0	328.07	0		0		0	
1/4	2,474.78	1/4	2,115.72	1/4	1,756.66	1/4	1,397.60	1/4	1,038.60	1/4	679.64	1/4	320.59	1/4	1/4	1/4		1/4	
1/2	2,467.30	1/2	2,108.24	1/2	1,749.18	1/2	1,390.12	1/2	1,031.13	1/2	672.16	1/2	313.11	1/2	1/2	1/2		1/2	
3/4	2,459.82	3/4	2,100.76	3/4	1,741.70	3/4	1,382.64	3/4	1,023.65	3/4	664.68	3/4	305.63	3/4	3/4	3/4		3/4	
1	2,452.34	1	2,093.28	1	1,734.22	1	1,375.16	1	1,016.17	1	657.20	1	298.15	1	1	1		1	
1/4	2,444.86	1/4	2,085.80	1/4	1,726.73	1/4	1,367.68	1/4	1,008.69	1/4	649.72	1/4	290.66	1/4	1/4	1/4		1/4	
1/2	2,437.38	1/2	2,078.32	1/2	1,719.25	1/2	1,360.20	1/2	1,001.22	1/2	642.24	1/2	283.18	1/2	1/2	1/2		1/2	
3/4	2,429.90	3/4	2,070.84	3/4	1,711.77	3/4	1,352.72	3/4	993.74	3/4	634.76	3/4	275.70	3/4	3/4	3/4		3/4	
2	2,422.42	2	2,063.36	2	1,704.29	2	1,345.24	2	986.26	2	627.28	2	268.22	2	2	2		2	
1/4	2,414.94	1/4	2,055.88	1/4	1,696.81	1/4	1,337.75	1/4	978.79	1/4	619.80	1/4	260.74	1/4	1/4	1/4		1/4	
1/2	2,407.45	1/2	2,048.40	1/2	1,689.33	1/2	1,330.27	1/2	971.31	1/2	612.32	1/2	253.26	1/2	1/2	1/2		1/2	
3/4	2,399.97	3/4	2,040.92	3/4	1,681.85	3/4	1,322.79	3/4	963.84	3/4	604.84	3/4	245.78	3/4	3/4	3/4		3/4	
3	2,392.49	3	2,033.44	3	1,674.37	3	1,315.31	3	956.36	3	597.36	3	238.30	3	3	3		3	
1/4	2,385.01	1/4	2,025.96	1/4	1,666.89	1/4	1,307.83	1/4	948.88	1/4	589.88	1/4	230.82	1/4	1/4	1/4		1/4	
1/2	2,377.53	1/2	2,018.47	1/2	1,659.41	1/2	1,300.35	1/2	941.41	1/2	582.40	1/2	223.34	1/2	1/2	1/2		1/2	
3/4	2,370.05	3/4	2,010.99	3/4	1,651.93	3/4	1,292.87	3/4	933.93	3/4	574.92	3/4	215.86	3/4	3/4	3/4		3/4	
4	2,362.57	4	2,003.51	4	1,644.45	4	1,285.39	4	926.45	4	567.44	4	208.38	4	4	4		4	
1/4	2,355.09	1/4	1,996.03	1/4	1,636.97	1/4	1,277.91	1/4	918.98	1/4	559.96	1/4	200.90	1/4	1/4	1/4		1/4	
1/2	2,347.61	1/2	1,988.55	1/2	1,629.49	1/2	1,270.43	1/2	911.50	1/2	552.48	1/2	193.43	1/2	1/2	1/2		1/2	
3/4	2,340.13	3/4	1,981.07	3/4	1,622.01	3/4	1,262.95	3/4	904.03	3/4	545.00	3/4	185.95	3/4	3/4	3/4		3/4	
5	2,332.65	5	1,973.59	5	1,614.53	5	1,255.48	5	896.55	5	537.52	5	178.48	5	5	5		5	
1/4	2,325.17	1/4	1,966.11	1/4	1,607.05	1/4	1,248.02	1/4	889.07	1/4	530.04	1/4	171.01	1/4	1/4	1/4		1/4	
1/2	2,317.69	1/2	1,958.63	1/2	1,599.57	1/2	1,240.55	1/2	881.59	1/2	522.56	1/2	163.54	1/2	1/2	1/2		1/2	
3/4	2,310.21	3/4	1,951.15	3/4	1,592.09	3/4	1,233.09	3/4	874.11	3/4	515.08	3/4	156.07	3/4	3/4	3/4		3/4	
6	2,302.73	6	1,943.67	6	1,584.61	6	1,225.59	6	866.63	6	507.60	6	148.61	6	6	6		6	
1/4	2,295.25	1/4	1,936.19	1/4	1,577.13	1/4	1,218.10	1/4	859.15	1/4	500.11	1/4	141.15	1/4	1/4	1/4		1/4	
1/2	2,287.77	1/2	1,928.71	1/2	1,569.65	1/2	1,210.60	1/2	851.68	1/2	492.63	1/2	133.69	1/2	1/2	1/2		1/2	
3/4	2,280.29	3/4	1,921.23	3/4	1,562.17	3/4	1,203.11	3/4	844.20	3/4	485.15	3/4	126.23	3/4	3/4	3/4		3/4	
7	2,272.81	7	1,913.75	7	1,554.69	7	1,195.63	7	836.72	7	477.67	7	118.79	7	7	7		7	
1/4	2,265.33	1/4	1,906.26	1/4	1,547.21	1/4	1,188.15	1/4	829.24	1/4	470.19	1/4	111.35	1/4	1/4	1/4		1/4	
1/2	2,257.85	1/2	1,898.78	1/2	1,539.73	1/2	1,180.67	1/2	821.77	1/2	462.71	1/2	103.91	1/2	1/2	1/2		1/2	
3/4	2,250.37	3/4	1,891.30	3/4	1,532.25	3/4	1,173.19	3/4	814.29	3/4	455.23	3/4	96.47	3/4	3/4	3/4		3/4	
8	2,242.89	8	1,883.82	8	1,524.77	8	1,165.71	8	806.81	8	447.75	8	89.09	8	8	8		8	
1/4	2,235.41	1/4	1,876.34	1/4	1,517.28	1/4	1,158.23	1/4	799.33	1/4	440.27	1/4	81.71	1/4	1/4	1/4		1/4	
1/2	2,227.93	1/2	1,868.86	1/2	1,509.80	1/2	1,150.75	1/2	791.85	1/2	432.79	1/2	74.34	1/2	1/2	1/2		1/2	
3/4	2,220.45	3/4	1,861.38	3/4	1,502.32	3/4	1,143.27	3/4	784.37	3/4	425.31	3/4	66.96	3/4	3/4	3/4		3/4	
9	2,212.97	9	1,853.90	9	1,494.84	9	1,135.79	9	776.89	9	417.83	9	60.10	9	9	9		9	
1/4	2,205.49	1/4	1,846.42	1/4	1,487.36	1/4	1,128.32	1/4	769.41	1/4	410.35	1/4	53.24	1/4	1/4	1/4		1/4	
1/2	2,198.00	1/2	1,838.94	1/2	1,479.88	1/2	1,120.84	1/2	761.93	1/2	402.87	1/2	46.39	1/2	1/2	1/2		1/2	
3/4	2,190.52	3/4	1,831.46	3/4	1,472.40	3/4	1,113.37	3/4	754.45	3/4	395.39	3/4	39.53	3/4	3/4	3/4		3/4	
10	2,183.04	10	1,823.98	10	1,464.92	10	1,105.89	10	746.97	10	387.91	10	34.18	10	10	10		10	
1/4	2,175.56	1/4	1,816.50	1/4	1,457.44	1/4	1,098.41	1/4	739.49	1/4	380.43	1/4	28.84	1/4	1/4	1/4		1/4	
1/2	2,168.08	1/2	1,809.02	1/2	1,449.96	1/2	1,090.94	1/2	732.01	1/2	372.95	1/2		1/2	1/2	1/2		1/2	
3/4	2,160.60	3/4	1,801.54	3/4	1,442.48	3/4	1,083.46	3/4	724.53	3/4	365.47	3/4		3/4	3/4	3/4		3/4	
11	2,153.12	11	1,794.06	11	1,435.00	11	1,075.98	11	717.05	11	357.99	11		11	11	11		11	
1/4	2,145.64	1/4	1,786.58	1/4	1,427.52	1/4	1,068.51	1/4	709.57	1/4	350.51	1/4		1/4	1/4	1/4		1/4	
1/2	2,138.16	1/2	1,779.10	1/2	1,420.04	1/2	1,061.03	1/2	702.09	1/2	343.03	1/2		1/2	1/2	1/2		1/2	
3/4	2,130.68	3/4	1,771.62	3/4	1,412.56	3/4	1,053.56	3/4	694.61	3/4	335.55	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2005 SI  
RECALCULATED: 06/16/2020 PMA  
REPRINTED: 06/17/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,412.99	0	4,126.55	0	3,840.08	0	3,550.43	0	3,196.50	0	2,837.60		
1/4		1/4		1/4		1/4		1/4	4,407.03	1/4	4,120.58	1/4	3,834.11	1/4	3,543.67	1/4	3,189.02	1/4	2,830.16		
1/2		1/2		1/2		1/2		1/2	4,401.06	1/2	4,114.61	1/2	3,828.14	1/2	3,536.91	1/2	3,181.54	1/2	2,822.72		
3/4		3/4		3/4		3/4		3/4	4,395.10	3/4	4,108.65	3/4	3,822.18	3/4	3,530.16	3/4	3,174.07	3/4	2,815.28		
1		1		1		1		1	4,389.13	1	4,102.68	1	3,816.21	1	3,523.06	1	3,166.59	1	2,807.83		
1/4		1/4		1/4		1/4		1/4	4,649.05	1/4	4,383.16	1/4	4,096.71	1/4	3,810.24	1/4	3,515.97	1/4	3,159.11	1/4	2,800.38
1/2		1/2		1/2		1/2		1/2	4,646.12	1/2	4,377.19	1/2	4,090.74	1/2	3,804.27	1/2	3,508.88	1/2	3,151.63	1/2	2,792.93
3/4		3/4		3/4		3/4		3/4	4,643.20	3/4	4,371.23	3/4	4,084.78	3/4	3,798.30	3/4	3,501.79	3/4	3,144.15	3/4	2,785.49
2		2		2		2		2	4,639.27	2	4,365.26	2	4,078.81	2	3,792.33	2	3,494.46	2	3,136.67	2	2,778.01
1/4		1/4		1/4		1/4		1/4	4,635.35	1/4	4,359.29	1/4	4,072.84	1/4	3,786.36	1/4	3,487.14	1/4	3,129.19	1/4	2,770.54
1/2		1/2		1/2		1/2		1/2	4,631.42	1/2	4,353.32	1/2	4,066.87	1/2	3,780.39	1/2	3,479.81	1/2	3,121.71	1/2	2,763.07
3/4		3/4		3/4		3/4		3/4	4,627.50	3/4	4,347.36	3/4	4,060.91	3/4	3,774.43	3/4	3,472.49	3/4	3,114.23	3/4	2,755.60
3		3		3		3		3	4,622.59	3	4,341.39	3	4,054.94	3	3,768.46	3	3,465.07	3	3,106.75	3	2,748.12
1/4		1/4		1/4		1/4		1/4	4,617.69	1/4	4,335.42	1/4	4,048.97	1/4	3,762.49	1/4	3,457.66	1/4	3,099.27	1/4	2,740.64
1/2		1/2		1/2		1/2		1/2	4,612.79	1/2	4,329.45	1/2	4,043.00	1/2	3,756.52	1/2	3,450.24	1/2	3,091.79	1/2	2,733.16
3/4		3/4		3/4		3/4		3/4	4,607.89	3/4	4,323.49	3/4	4,037.03	3/4	3,750.56	3/4	3,442.83	3/4	3,084.32	3/4	2,725.69
4		4		4		4		4	4,602.27	4	4,317.52	4	4,031.06	4	3,744.59	4	3,435.39	4	3,076.84	4	2,718.21
1/4		1/4		1/4		1/4		1/4	4,596.66	1/4	4,311.55	1/4	4,025.09	1/4	3,738.62	1/4	3,427.96	1/4	3,069.36	1/4	2,710.74
1/2		1/2		1/2		1/2		1/2	4,591.05	1/2	4,305.58	1/2	4,019.12	1/2	3,732.65	1/2	3,420.53	1/2	3,061.88	1/2	2,703.26
3/4		3/4		3/4		3/4		3/4	4,585.44	3/4	4,299.62	3/4	4,013.16	3/4	3,726.68	3/4	3,413.10	3/4	3,054.40	3/4	2,695.79
5		5		5		5		5	4,579.56	5	4,293.65	5	4,007.19	5	3,720.71	5	3,405.66	5	3,046.92	5	2,688.31
1/4		1/4		1/4		1/4		1/4	4,573.68	1/4	4,287.68	1/4	4,001.22	1/4	3,714.74	1/4	3,398.22	1/4	3,039.44	1/4	2,680.83
1/2		1/2		1/2		1/2		1/2	4,567.80	1/2	4,281.71	1/2	3,995.25	1/2	3,708.77	1/2	3,390.78	1/2	3,031.96	1/2	2,673.35
3/4		3/4		3/4		3/4		3/4	4,561.93	3/4	4,275.75	3/4	3,989.29	3/4	3,702.81	3/4	3,383.35	3/4	3,024.48	3/4	2,665.88
6		6		6		6		6	4,555.99	6	4,269.78	6	3,983.32	6	3,696.84	6	3,375.89	6	3,017.00	6	2,658.40
1/4		1/4		1/4		1/4		1/4	4,550.06	1/4	4,263.81	1/4	3,977.35	1/4	3,690.87	1/4	3,368.44	1/4	3,009.52	1/4	2,650.92
1/2		1/2		1/2		1/2		1/2	4,544.13	1/2	4,257.84	1/2	3,971.38	1/2	3,684.90	1/2	3,360.99	1/2	3,002.04	1/2	2,643.44
3/4		3/4		3/4		3/4		3/4	4,538.20	3/4	4,251.88	3/4	3,965.41	3/4	3,678.94	3/4	3,353.54	3/4	2,994.57	3/4	2,635.97
7		7		7		7		7	4,532.25	7	4,245.91	7	3,959.44	7	3,672.97	7	3,346.06	7	2,987.09	7	2,628.49
1/4		1/4		1/4		1/4		1/4	4,526.30	1/4	4,239.94	1/4	3,953.47	1/4	3,667.00	1/4	3,338.59	1/4	2,979.61	1/4	2,621.01
1/2		1/2		1/2		1/2		1/2	4,520.35	1/2	4,233.97	1/2	3,947.50	1/2	3,661.03	1/2	3,331.12	1/2	2,972.13	1/2	2,613.53
3/4		3/4		3/4		3/4		3/4	4,514.40	3/4	4,228.01	3/4	3,941.54	3/4	3,655.07	3/4	3,323.65	3/4	2,964.65	3/4	2,606.06
8		8		8		8		8	4,508.44	8	4,222.04	8	3,935.57	8	3,649.10	8	3,316.17	8	2,957.17	8	2,598.58
1/4		1/4		1/4		1/4		1/4	4,502.48	1/4	4,216.07	1/4	3,929.60	1/4	3,643.13	1/4	3,308.69	1/4	2,949.69	1/4	2,591.10
1/2		1/2		1/2		1/2		1/2	4,496.52	1/2	4,210.10	1/2	3,923.63	1/2	3,637.16	1/2	3,301.21	1/2	2,942.21	1/2	2,583.62
3/4		3/4		3/4		3/4		3/4	4,490.56	3/4	4,204.14	3/4	3,917.67	3/4	3,631.19	3/4	3,293.73	3/4	2,934.73	3/4	2,576.15
9		9		9		9		9	4,484.59	9	4,198.17	9	3,911.70	9	3,625.20	9	3,286.25	9	2,927.25	9	2,568.67
1/4		1/4		1/4		1/4		1/4	4,478.63	1/4	4,192.20	1/4	3,905.73	1/4	3,619.22	1/4	3,278.77	1/4	2,919.77	1/4	2,561.20
1/2		1/2		1/2		1/2		1/2	4,472.66	1/2	4,186.23	1/2	3,899.76	1/2	3,613.24	1/2	3,271.29	1/2	2,912.29	1/2	2,553.72
3/4		3/4		3/4		3/4		3/4	4,466.70	3/4	4,180.27	3/4	3,893.80	3/4	3,607.26	3/4	3,263.82	3/4	2,904.82	3/4	2,546.25
10		10		10		10		10	4,460.73	10	4,174.30	10	3,887.83	10	3,601.14	10	3,256.34	10	2,897.34	10	2,538.77
1/4		1/4		1/4		1/4		1/4	4,454.77	1/4	4,168.33	1/4	3,881.86	1/4	3,595.03	1/4	3,248.86	1/4	2,889.86	1/4	2,531.29
1/2		1/2		1/2		1/2		1/2	4,448.80	1/2	4,162.36	1/2	3,875.89	1/2	3,588.92	1/2	3,241.38	1/2	2,882.38	1/2	2,523.81
3/4		3/4		3/4		3/4		3/4	4,442.84	3/4	4,156.40	3/4	3,869.92	3/4	3,582.81	3/4	3,233.90	3/4	2,874.90	3/4	2,516.34
11		11		11		11		11	4,436.87	11	4,150.43	11	3,863.95	11	3,576.40	11	3,226.42	11	2,867.43	11	2,508.86
1/4		1/4		1/4		1/4		1/4	4,430.90	1/4	4,144.46	1/4	3,857.98	1/4	3,570.00	1/4	3,218.94	1/4	2,859.97	1/4	2,501.38
1/2		1/2		1/2		1/2		1/2	4,424.93	1/2	4,138.49	1/2	3,852.01	1/2	3,563.59	1/2	3,211.46	1/2	2,852.50	1/2	2,493.90
3/4		3/4		3/4		3/4		3/4	4,418.96	3/4	4,132.52	3/4	3,846.05	3/4	3,557.19	3/4	3,203.98	3/4	2,845.04	3/4	2,486.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "MMI 2804"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,478.95	0	2,119.96	0	1,761.64	0	1,402.70	0	1,044.39	0	686.26	0	327.28	0		0		0	
1/4	2,471.47	1/4	2,112.49	1/4	1,754.17	1/4	1,395.22	1/4	1,036.95	1/4	678.78	1/4	319.80	1/4	1/4		1/4		1/4
1/2	2,463.99	1/2	2,105.01	1/2	1,746.70	1/2	1,387.74	1/2	1,029.50	1/2	671.30	1/2	312.32	1/2	1/2		1/2		1/2
3/4	2,456.52	3/4	2,097.54	3/4	1,739.23	3/4	1,380.26	3/4	1,022.06	3/4	663.83	3/4	304.84	3/4	3/4		3/4		3/4
1	2,449.04	1	2,090.07	1	1,731.75	1	1,372.78	1	1,014.61	1	656.35	1	297.36	1	1		1		1
1/4	2,441.56	1/4	2,082.61	1/4	1,724.28	1/4	1,365.30	1/4	1,007.17	1/4	648.87	1/4	289.88	1/4	1/4		1/4		1/4
1/2	2,434.08	1/2	2,075.14	1/2	1,716.80	1/2	1,357.82	1/2	999.72	1/2	641.39	1/2	282.40	1/2	1/2		1/2		1/2
3/4	2,426.60	3/4	2,067.68	3/4	1,709.33	3/4	1,350.35	3/4	992.28	3/4	633.91	3/4	274.93	3/4	3/4		3/4		3/4
2	2,419.12	2	2,060.21	2	1,701.85	2	1,342.87	2	984.83	2	626.43	2	267.45	2	2		2		2
1/4	2,411.64	1/4	2,052.75	1/4	1,694.37	1/4	1,335.39	1/4	977.39	1/4	618.95	1/4	259.97	1/4	1/4		1/4		1/4
1/2	2,404.16	1/2	2,045.28	1/2	1,686.89	1/2	1,327.91	1/2	969.94	1/2	611.47	1/2	252.49	1/2	1/2		1/2		1/2
3/4	2,396.69	3/4	2,037.82	3/4	1,679.41	3/4	1,320.43	3/4	962.50	3/4	604.00	3/4	245.01	3/4	3/4		3/4		3/4
3	2,389.21	3	2,030.35	3	1,671.93	3	1,312.95	3	955.05	3	596.52	3	237.53	3	3		3		3
1/4	2,381.73	1/4	2,022.89	1/4	1,664.45	1/4	1,305.47	1/4	947.61	1/4	589.04	1/4	230.05	1/4	1/4		1/4		1/4
1/2	2,374.25	1/2	2,015.43	1/2	1,656.97	1/2	1,297.99	1/2	940.16	1/2	581.56	1/2	222.57	1/2	1/2		1/2		1/2
3/4	2,366.77	3/4	2,007.97	3/4	1,649.50	3/4	1,290.52	3/4	932.72	3/4	574.08	3/4	215.10	3/4	3/4		3/4		3/4
4	2,359.29	4	2,000.50	4	1,642.02	4	1,283.03	4	925.27	4	566.60	4	207.62	4	4		4		4
1/4	2,351.81	1/4	1,993.03	1/4	1,634.54	1/4	1,275.55	1/4	917.83	1/4	559.12	1/4	200.14	1/4	1/4		1/4		1/4
1/2	2,344.33	1/2	1,985.56	1/2	1,627.06	1/2	1,268.07	1/2	910.38	1/2	551.64	1/2	192.66	1/2	1/2		1/2		1/2
3/4	2,336.85	3/4	1,978.10	3/4	1,619.58	3/4	1,260.59	3/4	902.94	3/4	544.16	3/4	185.19	3/4	3/4		3/4		3/4
5	2,329.37	5	1,970.63	5	1,612.10	5	1,253.11	5	895.49	5	536.68	5	177.72	5	5		5		5
1/4	2,321.89	1/4	1,963.17	1/4	1,604.62	1/4	1,245.64	1/4	888.04	1/4	529.20	1/4	170.25	1/4	1/4		1/4		1/4
1/2	2,314.41	1/2	1,955.70	1/2	1,597.14	1/2	1,238.16	1/2	880.59	1/2	521.72	1/2	162.78	1/2	1/2		1/2		1/2
3/4	2,306.94	3/4	1,948.24	3/4	1,589.67	3/4	1,230.69	3/4	873.14	3/4	514.25	3/4	155.31	3/4	3/4		3/4		3/4
6	2,299.46	6	1,940.76	6	1,582.19	6	1,223.21	6	865.67	6	506.77	6	147.85	6	6		6		6
1/4	2,291.98	1/4	1,933.28	1/4	1,574.71	1/4	1,215.74	1/4	858.21	1/4	499.29	1/4	140.39	1/4	1/4		1/4		1/4
1/2	2,284.50	1/2	1,925.80	1/2	1,567.23	1/2	1,208.27	1/2	850.75	1/2	491.81	1/2	132.93	1/2	1/2		1/2		1/2
3/4	2,277.02	3/4	1,918.33	3/4	1,559.75	3/4	1,200.80	3/4	843.29	3/4	484.33	3/4	125.48	3/4	3/4		3/4		3/4
7	2,269.54	7	1,910.88	7	1,552.27	7	1,193.34	7	835.81	7	476.85	7	118.04	7	7		7		7
1/4	2,262.06	1/4	1,903.43	1/4	1,544.79	1/4	1,185.88	1/4	828.34	1/4	469.37	1/4	110.60	1/4	1/4		1/4		1/4
1/2	2,254.58	1/2	1,895.98	1/2	1,537.31	1/2	1,178.42	1/2	820.87	1/2	461.89	1/2	103.16	1/2	1/2		1/2		1/2
3/4	2,247.10	3/4	1,888.53	3/4	1,529.84	3/4	1,170.97	3/4	813.40	3/4	454.42	3/4	95.73	3/4	3/4		3/4		3/4
8	2,239.62	8	1,881.06	8	1,522.36	8	1,163.52	8	805.92	8	446.94	8	88.38	8	8		8		8
1/4	2,232.14	1/4	1,873.60	1/4	1,514.88	1/4	1,156.07	1/4	798.44	1/4	439.46	1/4	81.03	1/4	1/4		1/4		1/4
1/2	2,224.66	1/2	1,866.13	1/2	1,507.40	1/2	1,148.62	1/2	790.96	1/2	431.98	1/2	73.68	1/2	1/2		1/2		1/2
3/4	2,217.19	3/4	1,858.67	3/4	1,499.92	3/4	1,141.18	3/4	783.49	3/4	424.50	3/4	66.33	3/4	3/4		3/4		3/4
9	2,209.71	9	1,851.20	9	1,492.44	9	1,133.73	9	776.01	9	417.02	9	59.53	9	9		9		9
1/4	2,202.23	1/4	1,843.74	1/4	1,484.96	1/4	1,126.29	1/4	768.54	1/4	409.54	1/4	52.73	1/4	1/4		1/4		1/4
1/2	2,194.75	1/2	1,836.28	1/2	1,477.48	1/2	1,118.84	1/2	761.06	1/2	402.06	1/2	45.93	1/2	1/2		1/2		1/2
3/4	2,187.27	3/4	1,828.82	3/4	1,470.01	3/4	1,111.40	3/4	753.59	3/4	394.59	3/4	39.13	3/4	3/4		3/4		3/4
10	2,179.79	10	1,821.35	10	1,462.53	10	1,103.95	10	746.10	10	387.11	10	33.84	10	10		10		10
1/4	2,172.31	1/4	1,813.89	1/4	1,455.05	1/4	1,096.51	1/4	738.62	1/4	379.63	1/4	28.54	1/4	1/4		1/4		1/4
1/2	2,164.83	1/2	1,806.42	1/2	1,447.57	1/2	1,089.06	1/2	731.14	1/2	372.15	1/2		1/2	1/2		1/2		1/2
3/4	2,157.35	3/4	1,798.96	3/4	1,440.09	3/4	1,081.62	3/4	723.66	3/4	364.67	3/4		3/4	3/4		3/4		3/4
11	2,149.87	11	1,791.49	11	1,432.61	11	1,074.17	11	716.18	11	357.19	11		11	11		11		11
1/4	2,142.39	1/4	1,784.03	1/4	1,425.13	1/4	1,066.73	1/4	708.70	1/4	349.71	1/4		1/4	1/4		1/4		1/4
1/2	2,134.91	1/2	1,776.57	1/2	1,417.65	1/2	1,059.28	1/2	701.22	1/2	342.23	1/2		1/2	1/2		1/2		1/2
3/4	2,127.44	3/4	1,769.11	3/4	1,410.18	3/4	1,051.84	3/4	693.74	3/4	334.76	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/18/2005 SI  
RECALCULATED: 06/16/2020 PMA  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2020

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