BARGE "MM 304"

INNAGE TRIM TABLE
HERMETIC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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
1 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
2 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	00-1/8	- 00-1/8
2 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
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
4 PORT	- 01-1/8	01-1/8	- 02-1/4	02-1/4	- 03-3/8	03-3/8	- 04-1/2	04-1/2	- 05-3/4	05-3/4	- 06-7/8	06-7/8
4 STBD	- 01-1/8	01-1/8	- 02-1/4	02-1/4	- 03-3/8	03-3/8	- 04-1/2	04-1/2	- 05-3/4	05-3/4	- 06-7/8	06-7/8

(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)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS 02-1/4"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-02 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 12, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "MM 304"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.14	0	201.23	0	442.81	0	689.03	0	936.29	0	1,183.60	0	1,431.30	0	1,679.00	0	1,926.70	0	2,174.40
1/4	19.03	1/4	205.90	1/4	447.97	1/4	694.15	1/4	941.45	1/4	1,188.76	1/4	1,436.46	1/4	1,684.16	1/4	1,931.86	1/4	2,179.56
1/2	20.91	1/2	210.58	1/2	453.13	1/2	699.28	1/2	946.61	1/2	1,193.92	1/2	1,441.62	1/2	1,689.32	1/2	1,937.02	1/2	2,184.72
3/4	22.80	3/4	215.26	3/4	458.29	3/4	704.40	3/4	951.77	3/4	1,199.08	3/4	1,446.78	3/4	1,694.48	3/4	1,942.18	3/4	2,189.88
1	24.69	1	219.94	1	463.45	1	709.53	1	956.93	1	1,204.25	1	1,451.94	1	1,699.64	1	1,947.34	1	2,195.04
1/4	27.70	1/4	224.71	1/4	468.61	1/4	714.65	1/4	962.10	1/4	1,209.41	1/4	1,457.10	1/4	1,704.80	1/4	1,952.50	1/4	2,200.20
1/2	30.70	1/2	229.48	1/2	473.77	1/2	719.77	1/2	967.26	1/2	1,214.57	1/2	1,462.27	1/2	1,709.96	1/2	1,957.66	1/2	2,205.36
3/4	33.71	3/4	234.25	3/4	478.93	3/4	724.90	3/4	972.42	3/4	1,219.73	3/4	1,467.43	3/4	1,715.12	3/4	1,962.82	3/4	2,210.52
2	36.72	2	239.01	2	484.09	2	730.02	2	977.58	2	1,224.89	2	1,472.59	2	1,720.29	2	1,967.98	2	2,215.68
1/4	40.31	1/4	243.88	1/4	489.25	1/4	735.15	1/4	982.74	1/4	1,230.05	1/4	1,477.75	1/4	1,725.45	1/4	1,973.14	1/4	2,220.84
1/2	43.91	1/2	248.74	1/2	494.41	1/2	740.27	1/2	987.90	1/2	1,235.21	1/2	1,482.91	1/2	1,730.61	1/2	1,978.31	1/2	2,226.00
3/4	47.50	3/4	253.60	3/4	499.57	3/4	745.39	3/4	993.06	3/4	1,240.37	3/4	1,488.07	3/4	1,735.77	3/4	1,983.47	3/4	2,231.16
3	51.09	3	258.46	3	504.73	3	750.52	3	998.22	3	1,245.53	3	1,493.23	3	1,740.93	3	1,988.63	3	2,236.33
1/4	54.79	1/4	263.41	1/4	509.85	1/4	755.68	1/4	1,003.38	1/4	1,250.69	1/4	1,498.39	1/4	1,746.09	1/4	1,993.79	1/4	2,241.49
1/2	58.50	1/2	268.37	1/2	514.97	1/2	760.84	1/2	1,008.54	1/2	1,255.85	1/2	1,503.55	1/2	1,751.25	1/2	1,998.95	1/2	2,246.65
3/4	62.20	3/4	273.32	3/4	520.09	3/4	766.00	3/4	1,013.70	3/4	1,261.01	3/4	1,508.71	3/4	1,756.41	3/4	2,004.11	3/4	2,251.81
4	65.90	4	278.28	4	525.21	4	771.16	4	1,018.86	4	1,266.17	4	1,513.87	4	1,761.57	4	2,009.27	4	2,256.97
1/4	69.70	1/4	283.32	1/4	530.32	1/4	776.32	1/4	1,024.02	1/4	1,271.33	1/4	1,519.03	1/4	1,766.73	1/4	2,014.43	1/4	2,262.13
1/2	73.50	1/2	288.37	1/2	535.44	1/2	781.48	1/2	1,029.18	1/2	1,276.49	1/2	1,524.19	1/2	1,771.89	1/2	2,019.59	1/2	2,267.29
3/4	77.30	3/4	293.41	3/4	540.56	3/4	786.64	3/4	1,034.34	3/4	1,281.65	3/4	1,529.35	3/4	1,777.05	3/4	2,024.75	3/4	2,272.45
5	81.10	5	298.46	5	545.68	5	791.80	5	1,039.50	5	1,286.81	5	1,534.51	5	1,782.21	5	2,029.91	5	2,277.61
1/4	85.00	1/4	303.58	1/4	550.80	1/4	796.96	1/4	1,044.66	1/4	1,291.97	1/4	1,539.67	1/4	1,787.37	1/4	2,035.07	1/4	2,282.77
1/2	88.89	1/2	308.71	1/2	555.92	1/2	802.12	1/2	1,049.82	1/2	1,297.13	1/2	1,544.83	1/2	1,792.53	1/2	2,040.23	1/2	2,287.93
3/4	92.79	3/4	313.83	3/4	561.04	3/4	807.28	3/4	1,054.98	3/4	1,302.29	3/4	1,549.99	3/4	1,797.69	3/4	2,045.39	3/4	2,293.09
6	96.68	6	318.96	6	566.16	6	812.44	6	1,060.14	6	1,307.45	6	1,555.15	6	1,802.85	6	2,050.55	6	2,298.25
1/4	100.81	1/4	324.12	1/4	571.27	1/4	817.60	1/4	1,065.30	1/4	1,312.61	1/4	1,560.31	1/4	1,808.01	1/4	2,055.71	1/4	2,303.41
1/2	104.93	1/2	329.28	1/2	576.39	1/2	822.76	1/2	1,070.46	1/2	1,317.77	1/2	1,565.47	1/2	1,813.17	1/2	2,060.87	1/2	2,308.57
3/4	109.06	3/4	334.44	3/4	581.51	3/4	827.92	3/4	1,075.62	3/4	1,322.93	3/4	1,570.63	3/4	1,818.33	3/4	2,066.03	3/4	2,313.73
7	113.19	7	339.60	7	586.63	7	833.09	7	1,080.78	7	1,328.09	7	1,575.79	7	1,823.49	7	2,071.19	7	2,318.89
1/4	117.40	1/4	344.76	1/4	591.75	1/4	838.25	1/4	1,085.92	1/4	1,333.26	1/4	1,580.95	1/4	1,828.65	1/4	2,076.35	1/4	2,324.05
1/2	121.62	1/2	349.92	1/2	596.87	1/2	843.41	1/2	1,091.06	1/2	1,338.42	1/2	1,586.11	1/2	1,833.81	1/2	2,081.51	1/2	2,329.21
3/4	125.84	3/4	355.08	3/4	601.99	3/4	848.57	3/4	1,096.19	3/4	1,343.58	3/4	1,591.28	3/4	1,838.97	3/4	2,086.67	3/4	2,334.37
8	130.06	8	360.24	8	607.11	8	853.73	8	1,101.33	8	1,348.74	8	1,596.44	8	1,844.13	8	2,091.83	8	2,339.53
1/4	134.37	1/4	365.40	1/4	612.22	1/4	858.89	1/4	1,106.47	1/4	1,353.90	1/4	1,601.60	1/4	1,849.30	1/4	2,096.99	1/4	2,344.69
1/2	138.68	1/2	370.56	1/2	617.34	1/2	864.05	1/2	1,111.60	1/2	1,359.06	1/2	1,606.76	1/2	1,854.46	1/2	2,102.15	1/2	2,349.85
3/4	142.99	3/4	375.72	3/4	622.46	3/4	869.21	3/4	1,116.74	3/4	1,364.22	3/4	1,611.92	3/4	1,859.62	3/4	2,107.32	3/4	2,355.01
9	147.30	9	380.88	9	627.58	9	874.37	9	1,121.87	9	1,369.38	9	1,617.08	9	1,864.78	9	2,112.48	9	2,360.17
1/4	151.70	1/4	386.04	1/4	632.70	1/4	879.53	1/4	1,127.01	1/4	1,374.54	1/4	1,622.24	1/4	1,869.94	1/4	2,117.64	1/4	2,365.34
1/2	156.10	1/2	391.20	1/2	637.82	1/2	884.69	1/2	1,132.15	1/2	1,379.70	1/2	1,627.40	1/2	1,875.10	1/2	2,122.80	1/2	2,370.50
3/4	160.50	3/4	396.36	3/4	642.94	3/4	889.85	3/4	1,137.28	3/4	1,384.86	3/4	1,632.56	3/4	1,880.26	3/4	2,127.96	3/4	2,375.66
10	164.91	10	401.52	10	648.06	10	895.01	10	1,142.42	10	1,390.02	10	1,637.72	10	1,885.42	10	2,133.12	10	2,380.82
1/4	169.40	1/4	406.68	1/4	653.18	1/4	900.17	1/4	1,147.55	1/4	1,395.18	1/4	1,642.88	1/4	1,890.58	1/4	2,138.28	1/4	2,385.98
1/2	173.89	1/2	411.84	1/2	658.29	1/2	905.33	1/2	1,152.69	1/2	1,400.34	1/2	1,648.04	1/2	1,895.74	1/2	2,143.44	1/2	2,391.14
3/4	178.39	3/4	417.01	3/4	663.41	3/4	910.49	3/4	1,157.83	3/4	1,405.50	3/4	1,653.20	3/4	1,900.90	3/4	2,148.60	3/4	2,396.30
11	182.88	11	422.17	11	668.53	11	915.65	11	1,162.96	11	1,410.66	11	1,658.36	11	1,906.06	11	2,153.76	11	2,401.46
1/4	187.47	1/4	427.33	1/4	673.66	1/4	920.81	1/4	1,168.12	1/4	1,415.82	1/4	1,663.52	1/4	1,911.22	1/4	2,158.92	1/4	2,406.62
1/2	192.05	1/2	432.49	1/2	678.78	1/2	925.97	1/2	1,173.28	1/2	1,420.98	1/2	1,668.68	1/2	1,916.38	1/2	2,164.08	1/2	2,411.78
3/4	196.64	3/4	437.65	3/4	683.90	3/4	931.13	3/4	1,178.44	3/4	1,426.14	3/4	1,673.84	3/4	1,921.54	3/4	2,169.24	3/4	2,416.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MM 304"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,422.10	0	2,669.80	0	2,917.50	0	3,165.20	0	3,411.62	0		0		0		0		0	
1/4	2,427.26	1/4	2,674.96	1/4	2,922.66	1/4	3,170.36	1/4	3,416.71	1/4		1/4		1/4		1/4		1/4	
1/2	2,432.42	1/2	2,680.12	1/2	2,927.82	1/2	3,175.52	1/2	3,421.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,437.58	3/4	2,685.28	3/4	2,932.98	3/4	3,180.68	3/4	3,426.88	3/4		3/4		3/4		3/4		3/4	
1	2,442.74	1	2,690.44	1	2,938.14	1	3,185.84	1	3,431.96	1		1		1		1		1	
1/4	2,447.90	1/4	2,695.60	1/4	2,943.30	1/4	3,191.00	1/4	3,436.55	1/4		1/4		1/4		1/4		1/4	
1/2	2,453.06	1/2	2,700.76	1/2	2,948.46	1/2	3,196.16	1/2	3,441.14	1/2		1/2		1/2		1/2		1/2	
3/4	2,458.22	3/4	2,705.92	3/4	2,953.62	3/4	3,201.32	3/4	3,445.74	3/4		3/4		3/4		3/4		3/4	
2	2,463.38	2	2,711.08	2	2,958.78	2	3,206.48	2	3,450.33	2		2		2		2		2	
1/4	2,468.54	1/4	2,716.24	1/4	2,963.94	1/4	3,211.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,473.70	1/2	2,721.40	1/2	2,969.10	1/2	3,216.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,478.86	3/4	2,726.56	3/4	2,974.26	3/4	3,221.96	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,484.02	3	2,731.72	3	2,979.42	3	3,227.12	3		3		3		3		3		3	
1/4	2,489.18	1/4	2,736.88	1/4	2,984.58	1/4	3,232.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,494.35	1/2	2,742.04	1/2	2,989.74	1/2	3,237.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,499.51	3/4	2,747.20	3/4	2,994.90	3/4	3,242.60	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,504.67	4	2,752.37	4	3,000.06	4	3,247.76	4		4		4		4		4		4	
1/4	2,509.83	1/4	2,757.53	1/4	3,005.22	1/4	3,252.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,514.99	1/2	2,762.69	1/2	3,010.39	1/2	3,258.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,520.15	3/4	2,767.85	3/4	3,015.55	3/4	3,263.24	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,525.31	5	2,773.01	5	3,020.71	5	3,268.41	5		5		5		5		5		5	
1/4	2,530.47	1/4	2,778.17	1/4	3,025.87	1/4	3,273.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,535.63	1/2	2,783.33	1/2	3,031.03	1/2	3,278.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,540.79	3/4	2,788.49	3/4	3,036.19	3/4	3,283.89	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,545.95	6	2,793.65	6	3,041.35	6	3,289.05	6		6		6		6		6		6	
1/4	2,551.11	1/4	2,798.81	1/4	3,046.51	1/4	3,294.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,556.27	1/2	2,803.97	1/2	3,051.67	1/2	3,299.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,561.43	3/4	2,809.13	3/4	3,056.83	3/4	3,304.37	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,566.59	7	2,814.29	7	3,061.99	7	3,309.48	7		7		7		7		7		7	
1/4	2,571.75	1/4	2,819.45	1/4	3,067.15	1/4	3,314.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,576.91	1/2	2,824.61	1/2	3,072.31	1/2	3,319.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,582.07	3/4	2,829.77	3/4	3,077.47	3/4	3,324.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,587.23	8	2,834.93	8	3,082.63	8	3,329.91	8		8		8		8		8		8	
1/4	2,592.39	1/4	2,840.09	1/4	3,087.79	1/4	3,335.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,597.55	1/2	2,845.25	1/2	3,092.95	1/2	3,340.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,602.71	3/4	2,850.41	3/4	3,098.11	3/4	3,345.24	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,607.87	9	2,855.57	9	3,103.27	9	3,350.35	9		9		9		9		9		9	
1/4	2,613.03	1/4	2,860.73	1/4	3,108.43	1/4	3,355.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,618.19	1/2	2,865.89	1/2	3,113.59	1/2	3,360.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,623.36	3/4	2,871.05	3/4	3,118.75	3/4	3,365.67	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,628.52	10	2,876.21	10	3,123.91	10	3,370.78	10		10		10		10		10		10	
1/4	2,633.68	1/4	2,881.38	1/4	3,129.07	1/4	3,375.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,638.84	1/2	2,886.54	1/2	3,134.23	1/2	3,381.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,644.00	3/4	2,891.70	3/4	3,139.40	3/4	3,386.11	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,649.16	11	2,896.86	11	3,144.56	11	3,391.22	11		11		11		11		11		11	
1/4	2,654.32	1/4	2,902.02	1/4	3,149.72	1/4	3,396.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,659.48	1/2	2,907.18	1/2	3,154.88	1/2	3,401.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,664.64	3/4	2,912.34	3/4	3,160.04	3/4	3,406.52	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.15	0	201.38	0	443.05	0	690.67	0	938.46	0	1,185.85	0	1,433.64	0	1,681.43	0	1,929.22	0	2,177.01
1/4	19.04	1/4	206.06	1/4	448.21	1/4	695.83	1/4	943.62	1/4	1,191.02	1/4	1,438.81	1/4	1,686.60	1/4	1,934.39	1/4	2,182.18
1/2	20.93	1/2	210.74	1/2	453.37	1/2	700.99	1/2	948.78	1/2	1,196.18	1/2	1,443.97	1/2	1,691.76	1/2	1,939.55	1/2	2,187.34
3/4	22.82	3/4	215.42	3/4	458.54	3/4	706.16	3/4	953.95	3/4	1,201.34	3/4	1,449.13	3/4	1,696.92	3/4	1,944.71	3/4	2,192.50
1	24.71	1	220.10	1	463.70	1	711.32	1	959.11	1	1,206.50	1	1,454.29	1	1,702.08	1	1,949.87	1	2,197.66
1/4	27.72	1/4	224.87	1/4	468.86	1/4	716.48	1/4	964.27	1/4	1,211.66	1/4	1,459.45	1/4	1,707.25	1/4	1,955.04	1/4	2,202.83
1/2	30.73	1/2	229.64	1/2	474.02	1/2	721.64	1/2	969.43	1/2	1,216.83	1/2	1,464.62	1/2	1,712.41	1/2	1,960.20	1/2	2,207.99
3/4	33.74	3/4	234.41	3/4	479.19	3/4	726.81	3/4	974.60	3/4	1,221.99	3/4	1,469.78	3/4	1,717.57	3/4	1,965.36	3/4	2,213.15
2	36.75	2	239.18	2	484.35	2	731.97	2	979.76	2	1,227.15	2	1,474.94	2	1,722.73	2	1,970.52	2	2,218.31
1/4	40.35	1/4	244.05	1/4	489.51	1/4	737.13	1/4	984.92	1/4	1,232.31	1/4	1,480.10	1/4	1,727.89	1/4	1,975.68	1/4	2,223.48
1/2	43.95	1/2	248.91	1/2	494.67	1/2	742.29	1/2	990.08	1/2	1,237.48	1/2	1,485.27	1/2	1,733.06	1/2	1,980.85	1/2	2,228.64
3/4	47.54	3/4	253.77	3/4	499.83	3/4	747.45	3/4	995.24	3/4	1,242.64	3/4	1,490.43	3/4	1,738.22	3/4	1,986.01	3/4	2,233.80
3	51.14	3	258.64	3	505.00	3	752.62	3	1,000.41	3	1,247.80	3	1,495.59	3	1,743.38	3	1,991.17	3	2,238.96
1/4	54.84	1/4	263.59	1/4	510.15	1/4	757.78	1/4	1,005.57	1/4	1,252.96	1/4	1,500.75	1/4	1,748.54	1/4	1,996.33	1/4	2,244.12
1/2	58.55	1/2	268.55	1/2	515.31	1/2	762.94	1/2	1,010.73	1/2	1,258.13	1/2	1,505.92	1/2	1,753.71	1/2	2,001.50	1/2	2,249.29
3/4	62.26	3/4	273.51	3/4	520.47	3/4	768.10	3/4	1,015.89	3/4	1,263.29	3/4	1,511.08	3/4	1,758.87	3/4	2,006.66	3/4	2,254.45
4	65.96	4	278.46	4	525.62	4	773.27	4	1,021.06	4	1,268.45	4	1,516.24	4	1,764.03	4	2,011.82	4	2,259.61
1/4	69.76	1/4	283.51	1/4	530.78	1/4	778.43	1/4	1,026.22	1/4	1,273.61	1/4	1,521.40	1/4	1,769.19	1/4	2,016.98	1/4	2,264.77
1/2	73.57	1/2	288.56	1/2	535.94	1/2	783.59	1/2	1,031.38	1/2	1,278.77	1/2	1,526.56	1/2	1,774.36	1/2	2,022.15	1/2	2,269.94
3/4	77.37	3/4	293.60	3/4	541.09	3/4	788.75	3/4	1,036.54	3/4	1,283.94	3/4	1,531.73	3/4	1,779.52	3/4	2,027.31	3/4	2,275.10
5	81.18	5	298.65	5	546.25	5	793.92	5	1,041.71	5	1,289.10	5	1,536.89	5	1,784.68	5	2,032.47	5	2,280.26
1/4	85.07	1/4	303.78	1/4	551.41	1/4	799.08	1/4	1,046.87	1/4	1,294.26	1/4	1,542.05	1/4	1,789.84	1/4	2,037.63	1/4	2,285.42
1/2	88.97	1/2	308.91	1/2	556.57	1/2	804.24	1/2	1,052.03	1/2	1,299.42	1/2	1,547.21	1/2	1,795.00	1/2	2,042.79	1/2	2,290.59
3/4	92.87	3/4	314.03	3/4	561.72	3/4	809.40	3/4	1,057.19	3/4	1,304.59	3/4	1,552.38	3/4	1,800.17	3/4	2,047.96	3/4	2,295.75
6	96.77	6	319.16	6	566.88	6	814.56	6	1,062.35	6	1,309.75	6	1,557.54	6	1,805.33	6	2,053.12	6	2,300.91
1/4	100.90	1/4	324.32	1/4	572.04	1/4	819.73	1/4	1,067.52	1/4	1,314.91	1/4	1,562.70	1/4	1,810.49	1/4	2,058.28	1/4	2,306.07
1/2	105.03	1/2	329.48	1/2	577.19	1/2	824.89	1/2	1,072.68	1/2	1,320.07	1/2	1,567.86	1/2	1,815.65	1/2	2,063.44	1/2	2,311.23
3/4	109.15	3/4	334.65	3/4	582.35	3/4	830.05	3/4	1,077.84	3/4	1,325.24	3/4	1,573.03	3/4	1,820.82	3/4	2,068.61	3/4	2,316.40
7	113.28	7	339.81	7	587.51	7	835.21	7	1,083.00	7	1,330.40	7	1,578.19	7	1,825.98	7	2,073.77	7	2,321.56
1/4	117.51	1/4	344.97	1/4	592.66	1/4	840.38	1/4	1,088.14	1/4	1,335.56	1/4	1,583.35	1/4	1,831.14	1/4	2,078.93	1/4	2,326.72
1/2	121.73	1/2	350.13	1/2	597.82	1/2	845.54	1/2	1,093.28	1/2	1,340.72	1/2	1,588.51	1/2	1,836.30	1/2	2,084.09	1/2	2,331.88
3/4	125.95	3/4	355.29	3/4	602.98	3/4	850.70	3/4	1,098.42	3/4	1,345.88	3/4	1,593.67	3/4	1,841.47	3/4	2,089.26	3/4	2,337.05
8	130.17	8	360.46	8	608.14	8	855.86	8	1,103.55	8	1,351.05	8	1,598.84	8	1,846.63	8	2,094.42	8	2,342.21
1/4	134.48	1/4	365.62	1/4	613.29	1/4	861.02	1/4	1,108.69	1/4	1,356.21	1/4	1,604.00	1/4	1,851.79	1/4	2,099.58	1/4	2,347.37
1/2	138.79	1/2	370.78	1/2	618.45	1/2	866.19	1/2	1,113.83	1/2	1,361.37	1/2	1,609.16	1/2	1,856.95	1/2	2,104.74	1/2	2,352.53
3/4	143.11	3/4	375.94	3/4	623.61	3/4	871.35	3/4	1,118.97	3/4	1,366.53	3/4	1,614.32	3/4	1,862.11	3/4	2,109.90	3/4	2,357.70
9	147.42	9	381.11	9	628.76	9	876.51	9	1,124.10	9	1,371.70	9	1,619.49	9	1,867.28	9	2,115.07	9	2,362.86
1/4	151.82	1/4	386.27	1/4	633.92	1/4	881.67	1/4	1,129.24	1/4	1,376.86	1/4	1,624.65	1/4	1,872.44	1/4	2,120.23	1/4	2,368.02
1/2	156.23	1/2	391.43	1/2	639.08	1/2	886.84	1/2	1,134.38	1/2	1,382.02	1/2	1,629.81	1/2	1,877.60	1/2	2,125.39	1/2	2,373.18
3/4	160.63	3/4	396.59	3/4	644.23	3/4	892.00	3/4	1,139.52	3/4	1,387.18	3/4	1,634.97	3/4	1,882.76	3/4	2,130.55	3/4	2,378.34
10	165.04	10	401.75	10	649.39	10	897.16	10	1,144.65	10	1,392.35	10	1,640.14	10	1,887.93	10	2,135.72	10	2,383.51
1/4	169.53	1/4	406.92	1/4	654.55	1/4	902.32	1/4	1,149.79	1/4	1,397.51	1/4	1,645.30	1/4	1,893.09	1/4	2,140.88	1/4	2,388.67
1/2	174.03	1/2	412.08	1/2	659.71	1/2	907.49	1/2	1,154.93	1/2	1,402.67	1/2	1,650.46	1/2	1,898.25	1/2	2,146.04	1/2	2,393.83
3/4	178.53	3/4	417.24	3/4	664.86	3/4	912.65	3/4	1,160.07	3/4	1,407.83	3/4	1,655.62	3/4	1,903.41	3/4	2,151.20	3/4	2,398.99
11	183.02	11	422.40	11	670.02	11	917.81	11	1,165.20	11	1,412.99	11	1,660.78	11	1,908.57	11	2,156.37	11	2,404.16
1/4	187.61	1/4	427.56	1/4	675.18	1/4	922.97	1/4	1,170.37	1/4	1,418.16	1/4	1,665.95	1/4	1,913.74	1/4	2,161.53	1/4	2,409.32
1/2	192.20	1/2	432.73	1/2	680.34	1/2	928.13	1/2	1,175.53	1/2	1,423.32	1/2	1,671.11	1/2	1,918.90	1/2	2,166.69	1/2	2,414.48
3/4	196.79	3/4	437.89	3/4	685.51	3/4	933.30	3/4	1,180.69	3/4	1,428.48	3/4	1,676.27	3/4	1,924.06	3/4	2,171.85	3/4	2,419.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MM 304"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,424.80	0	2,672.59	0	2,920.37	0	3,168.14	0	3,414.66	0		0		0		0		0	
1/4	2,429.97	1/4	2,677.75	1/4	2,925.53	1/4	3,173.31	1/4	3,419.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,435.13	1/2	2,682.92	1/2	2,930.69	1/2	3,178.47	1/2	3,424.83	1/2		1/2		1/2		1/2		1/2	
3/4	2,440.29	3/4	2,688.08	3/4	2,935.85	3/4	3,183.63	3/4	3,429.91	3/4		3/4		3/4		3/4		3/4	
1	2,445.45	1	2,693.24	1	2,941.02	1	3,188.79	1	3,435.00	1		1		1		1		1	
1/4	2,450.62	1/4	2,698.40	1/4	2,946.18	1/4	3,193.95	1/4	3,439.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,455.78	1/2	2,703.56	1/2	2,951.34	1/2	3,199.12	1/2	3,444.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,460.94	3/4	2,708.73	3/4	2,956.50	3/4	3,204.28	3/4	3,448.78	3/4		3/4		3/4		3/4		3/4	
2	2,466.10	2	2,713.89	2	2,961.66	2	3,209.44	2	3,453.37	2		2		2		2		2	
1/4	2,471.27	1/4	2,719.05	1/4	2,966.83	1/4	3,214.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,476.43	1/2	2,724.21	1/2	2,971.99	1/2	3,219.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,481.59	3/4	2,729.37	3/4	2,977.15	3/4	3,224.93	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,486.75	3	2,734.54	3	2,982.31	3	3,230.09	3		3		3		3		3		3	
1/4	2,491.91	1/4	2,739.70	1/4	2,987.47	1/4	3,235.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,497.08	1/2	2,744.86	1/2	2,992.64	1/2	3,240.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,502.24	3/4	2,750.02	3/4	2,997.80	3/4	3,245.57	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,507.40	4	2,755.18	4	3,002.96	4	3,250.74	4		4		4		4		4		4	
1/4	2,512.56	1/4	2,760.35	1/4	3,008.12	1/4	3,255.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,517.73	1/2	2,765.51	1/2	3,013.28	1/2	3,261.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,522.89	3/4	2,770.67	3/4	3,018.45	3/4	3,266.22	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,528.05	5	2,775.83	5	3,023.61	5	3,271.38	5		5		5		5		5		5	
1/4	2,533.21	1/4	2,780.99	1/4	3,028.77	1/4	3,276.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,538.38	1/2	2,786.16	1/2	3,033.93	1/2	3,281.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,543.54	3/4	2,791.32	3/4	3,039.09	3/4	3,286.87	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,548.70	6	2,796.48	6	3,044.26	6	3,292.03	6		6		6		6		6		6	
1/4	2,553.86	1/4	2,801.64	1/4	3,049.42	1/4	3,297.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,559.02	1/2	2,806.80	1/2	3,054.58	1/2	3,302.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,564.19	3/4	2,811.97	3/4	3,059.74	3/4	3,307.37	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,569.35	7	2,817.13	7	3,064.90	7	3,312.48	7		7		7		7		7		7	
1/4	2,574.51	1/4	2,822.29	1/4	3,070.07	1/4	3,317.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,579.67	1/2	2,827.45	1/2	3,075.23	1/2	3,322.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,584.84	3/4	2,832.61	3/4	3,080.39	3/4	3,327.81	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,590.00	8	2,837.78	8	3,085.55	8	3,332.92	8		8		8		8		8		8	
1/4	2,595.16	1/4	2,842.94	1/4	3,090.71	1/4	3,338.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,600.32	1/2	2,848.10	1/2	3,095.88	1/2	3,343.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,605.49	3/4	2,853.26	3/4	3,101.04	3/4	3,348.25	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,610.65	9	2,858.42	9	3,106.20	9	3,353.36	9		9		9		9		9		9	
1/4	2,615.81	1/4	2,863.59	1/4	3,111.36	1/4	3,358.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,620.97	1/2	2,868.75	1/2	3,116.52	1/2	3,363.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,626.13	3/4	2,873.91	3/4	3,121.69	3/4	3,368.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,631.30	10	2,879.07	10	3,126.85	10	3,373.80	10		10		10		10		10		10	
1/4	2,636.46	1/4	2,884.23	1/4	3,132.01	1/4	3,378.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,641.62	1/2	2,889.40	1/2	3,137.17	1/2	3,384.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,646.78	3/4	2,894.56	3/4	3,142.33	3/4	3,389.13	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,651.94	11	2,899.72	11	3,147.50	11	3,394.24	11		11		11		11		11		11	
1/4	2,657.11	1/4	2,904.88	1/4	3,152.66	1/4	3,399.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,662.27	1/2	2,910.04	1/2	3,157.82	1/2	3,404.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,667.43	3/4	2,915.21	3/4	3,162.98	3/4	3,409.55	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.79	0	311.70	0	615.00	0	908.11	0	1,208.07	0	1,509.80	0	1,813.11	0	2,116.42	0	2,419.73	0	2,723.05
1/4	27.05	1/4	318.01	1/4	621.32	1/4	914.15	1/4	1,214.39	1/4	1,516.12	1/4	1,819.43	1/4	2,122.74	1/4	2,426.05	1/4	2,729.36
1/2	31.30	1/2	324.33	1/2	627.64	1/2	920.19	1/2	1,220.71	1/2	1,522.44	1/2	1,825.75	1/2	2,129.06	1/2	2,432.37	1/2	2,735.68
3/4	35.55	3/4	330.65	3/4	633.95	3/4	926.23	3/4	1,227.03	3/4	1,528.75	3/4	1,832.07	3/4	2,135.38	3/4	2,438.69	3/4	2,742.00
1	39.80	1	336.97	1	640.27	1	932.27	1	1,233.35	1	1,535.07	1	1,838.39	1	2,141.70	1	2,445.01	1	2,748.32
1/4	45.32	1/4	343.29	1/4	646.59	1/4	938.31	1/4	1,239.67	1/4	1,541.39	1/4	1,844.70	1/4	2,148.02	1/4	2,451.33	1/4	2,754.64
1/2	50.83	1/2	349.61	1/2	652.91	1/2	944.35	1/2	1,245.99	1/2	1,547.71	1/2	1,851.02	1/2	2,154.34	1/2	2,457.65	1/2	2,760.96
3/4	56.34	3/4	355.93	3/4	659.23	3/4	950.39	3/4	1,252.31	3/4	1,554.03	3/4	1,857.34	3/4	2,160.65	3/4	2,463.97	3/4	2,767.28
2	61.85	2	362.25	2	665.55	2	956.43	2	1,258.63	2	1,560.35	2	1,863.66	2	2,166.97	2	2,470.29	2	2,773.60
1/4	67.97	1/4	368.57	1/4	671.87	1/4	962.47	1/4	1,264.95	1/4	1,566.67	1/4	1,869.98	1/4	2,173.29	1/4	2,476.60	1/4	2,779.92
1/2	74.09	1/2	374.88	1/2	678.19	1/2	968.51	1/2	1,271.26	1/2	1,572.99	1/2	1,876.30	1/2	2,179.61	1/2	2,482.92	1/2	2,786.24
3/4	80.20	3/4	381.20	3/4	684.51	3/4	974.55	3/4	1,277.58	3/4	1,579.31	3/4	1,882.62	3/4	2,185.93	3/4	2,489.24	3/4	2,792.55
3	86.32	3	387.52	3	690.82	3	980.59	3	1,283.90	3	1,585.63	3	1,888.94	3	2,192.25	3	2,495.56	3	2,798.87
1/4	92.46	1/4	393.84	1/4	696.86	1/4	986.91	1/4	1,290.22	1/4	1,591.94	1/4	1,895.26	1/4	2,198.57	1/4	2,501.88	1/4	2,805.19
1/2	98.60	1/2	400.16	1/2	702.89	1/2	993.23	1/2	1,296.54	1/2	1,598.26	1/2	1,901.58	1/2	2,204.89	1/2	2,508.20	1/2	2,811.51
3/4	104.73	3/4	406.48	3/4	708.93	3/4	999.55	3/4	1,302.86	3/4	1,604.58	3/4	1,907.89	3/4	2,211.21	3/4	2,514.52	3/4	2,817.83
4	110.87	4	412.80	4	714.96	4	1,005.87	4	1,309.18	4	1,610.90	4	1,914.21	4	2,217.53	4	2,520.84	4	2,824.15
1/4	117.02	1/4	419.12	1/4	721.00	1/4	1,012.19	1/4	1,315.50	1/4	1,617.22	1/4	1,920.53	1/4	2,223.84	1/4	2,527.16	1/4	2,830.47
1/2	123.16	1/2	425.43	1/2	727.03	1/2	1,018.50	1/2	1,321.82	1/2	1,623.54	1/2	1,926.85	1/2	2,230.16	1/2	2,533.48	1/2	2,836.79
3/4	129.31	3/4	431.75	3/4	733.07	3/4	1,024.82	3/4	1,328.14	3/4	1,629.86	3/4	1,933.17	3/4	2,236.48	3/4	2,539.79	3/4	2,843.11
5	135.45	5	438.07	5	739.10	5	1,031.14	5	1,334.45	5	1,636.18	5	1,939.49	5	2,242.80	5	2,546.11	5	2,849.43
1/4	141.60	1/4	444.39	1/4	745.14	1/4	1,037.46	1/4	1,340.77	1/4	1,642.50	1/4	1,945.81	1/4	2,249.12	1/4	2,552.43	1/4	2,855.74
1/2	147.75	1/2	450.71	1/2	751.17	1/2	1,043.78	1/2	1,347.09	1/2	1,648.82	1/2	1,952.13	1/2	2,255.44	1/2	2,558.75	1/2	2,862.06
3/4	153.90	3/4	457.03	3/4	757.21	3/4	1,050.10	3/4	1,353.41	3/4	1,655.13	3/4	1,958.45	3/4	2,261.76	3/4	2,565.07	3/4	2,868.38
6	160.04	6	463.35	6	763.24	6	1,056.42	6	1,359.73	6	1,661.45	6	1,964.77	6	2,268.08	6	2,571.39	6	2,874.70
1/4	166.36	1/4	469.67	1/4	769.28	1/4	1,062.74	1/4	1,366.05	1/4	1,667.77	1/4	1,971.08	1/4	2,274.40	1/4	2,577.71	1/4	2,881.02
1/2	172.68	1/2	475.98	1/2	775.31	1/2	1,069.06	1/2	1,372.37	1/2	1,674.09	1/2	1,977.40	1/2	2,280.72	1/2	2,584.03	1/2	2,887.34
3/4	179.00	3/4	482.30	3/4	781.35	3/4	1,075.38	3/4	1,378.69	3/4	1,680.41	3/4	1,983.72	3/4	2,287.03	3/4	2,590.35	3/4	2,893.66
7	185.32	7	488.62	7	787.38	7	1,081.69	7	1,385.01	7	1,686.73	7	1,990.04	7	2,293.35	7	2,596.67	7	2,899.98
1/4	191.64	1/4	494.94	1/4	793.42	1/4	1,088.01	1/4	1,391.23	1/4	1,693.05	1/4	1,996.36	1/4	2,299.67	1/4	2,602.98	1/4	2,906.30
1/2	197.96	1/2	501.26	1/2	799.45	1/2	1,094.33	1/2	1,397.45	1/2	1,699.37	1/2	2,002.68	1/2	2,305.99	1/2	2,609.30	1/2	2,912.62
3/4	204.28	3/4	507.58	3/4	805.49	3/4	1,100.65	3/4	1,403.67	3/4	1,705.69	3/4	2,009.00	3/4	2,312.31	3/4	2,615.62	3/4	2,918.93
8	210.60	8	513.90	8	811.52	8	1,106.97	8	1,409.89	8	1,712.01	8	2,015.32	8	2,318.63	8	2,621.94	8	2,925.25
1/4	216.91	1/4	520.22	1/4	817.56	1/4	1,113.29	1/4	1,416.11	1/4	1,718.32	1/4	2,021.64	1/4	2,324.95	1/4	2,628.26	1/4	2,931.57
1/2	223.23	1/2	526.54	1/2	823.59	1/2	1,119.61	1/2	1,422.32	1/2	1,724.64	1/2	2,027.96	1/2	2,331.27	1/2	2,634.58	1/2	2,937.89
3/4	229.55	3/4	532.85	3/4	829.63	3/4	1,125.93	3/4	1,428.54	3/4	1,730.96	3/4	2,034.27	3/4	2,337.59	3/4	2,640.90	3/4	2,944.21
9	235.87	9	539.17	9	835.66	9	1,132.25	9	1,434.76	9	1,737.28	9	2,040.59	9	2,343.91	9	2,647.22	9	2,950.53
1/4	242.19	1/4	545.49	1/4	841.70	1/4	1,138.57	1/4	1,440.98	1/4	1,743.60	1/4	2,046.91	1/4	2,350.22	1/4	2,653.54	1/4	2,956.85
1/2	248.51	1/2	551.81	1/2	847.73	1/2	1,144.88	1/2	1,447.20	1/2	1,749.92	1/2	2,053.23	1/2	2,356.54	1/2	2,659.86	1/2	2,963.17
3/4	254.83	3/4	558.13	3/4	853.77	3/4	1,151.20	3/4	1,453.42	3/4	1,756.24	3/4	2,059.55	3/4	2,362.86	3/4	2,666.17	3/4	2,969.49
10	261.15	10	564.45	10	859.80	10	1,157.52	10	1,459.64	10	1,762.56	10	2,065.87	10	2,369.18	10	2,672.49	10	2,975.81
1/4	267.46	1/4	570.77	1/4	865.84	1/4	1,163.84	1/4	1,465.86	1/4	1,768.88	1/4	2,072.19	1/4	2,375.50	1/4	2,678.81	1/4	2,982.12
1/2	273.78	1/2	577.09	1/2	871.87	1/2	1,170.16	1/2	1,472.08	1/2	1,775.20	1/2	2,078.51	1/2	2,381.82	1/2	2,685.13	1/2	2,988.44
3/4	280.10	3/4	583.40	3/4	877.91	3/4	1,176.48	3/4	1,478.30	3/4	1,781.51	3/4	2,084.83	3/4	2,388.14	3/4	2,691.45	3/4	2,994.76
11	286.42	11	589.72	11	883.94	11	1,182.80	11	1,484.52	11	1,787.83	11	2,091.15	11	2,394.46	11	2,697.77	11	3,001.08
1/4	292.74	1/4	596.04	1/4	889.98	1/4	1,189.12	1/4	1,490.84	1/4	1,794.15	1/4	2,097.46	1/4	2,400.78	1/4	2,704.09	1/4	3,007.40
1/2	299.06	1/2	602.36	1/2	896.02	1/2	1,195.44	1/2	1,497.16	1/2	1,800.47	1/2	2,103.78	1/2	2,407.10	1/2	2,710.41	1/2	3,013.72
3/4	305.38	3/4	608.68	3/4	902.07	3/4	1,201.76	3/4	1,503.48	3/4	1,806.79	3/4	2,110.10	3/4	2,413.41	3/4	2,716.73	3/4	3,020.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 304"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,026.36	0	3,329.67	0	3,632.96	0	3,936.25	0	4,238.01	0		0		0		0		0	
1/4	3,032.68	1/4	3,335.99	1/4	3,639.28	1/4	3,942.57	1/4	4,244.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,039.00	1/2	3,342.30	1/2	3,645.60	1/2	3,948.89	1/2	4,250.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,045.31	3/4	3,348.62	3/4	3,651.92	3/4	3,955.21	3/4	4,256.69	3/4		3/4		3/4		3/4		3/4	
1	3,051.63	1	3,354.94	1	3,658.23	1	3,961.53	1	4,262.91	1		1		1		1		1	
1/4	3,057.95	1/4	3,361.26	1/4	3,664.55	1/4	3,967.85	1/4	4,268.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,064.27	1/2	3,367.58	1/2	3,670.87	1/2	3,974.16	1/2	4,274.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,070.59	3/4	3,373.90	3/4	3,677.19	3/4	3,980.48	3/4	4,279.78	3/4		3/4		3/4		3/4		3/4	
2	3,076.91	2	3,380.22	2	3,683.51	2	3,986.80	2	4,285.40	2		2		2		2		2	
1/4	3,083.23	1/4	3,386.53	1/4	3,689.83	1/4	3,993.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,089.55	1/2	3,392.85	1/2	3,696.15	1/2	3,999.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,095.87	3/4	3,399.17	3/4	3,702.46	3/4	4,005.76	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,102.19	3	3,405.49	3	3,708.78	3	4,012.08	3		3		3		3		3		3	
1/4	3,108.50	1/4	3,411.81	1/4	3,715.10	1/4	4,018.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,114.82	1/2	3,418.13	1/2	3,721.42	1/2	4,024.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,121.14	3/4	3,424.45	3/4	3,727.74	3/4	4,031.03	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,127.46	4	3,430.76	4	3,734.06	4	4,037.35	4		4		4		4		4		4	
1/4	3,133.78	1/4	3,437.08	1/4	3,740.38	1/4	4,043.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,140.10	1/2	3,443.40	1/2	3,746.69	1/2	4,049.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,146.42	3/4	3,449.72	3/4	3,753.01	3/4	4,056.31	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,152.74	5	3,456.04	5	3,759.33	5	4,062.62	5		5		5		5		5		5	
1/4	3,159.06	1/4	3,462.36	1/4	3,765.65	1/4	4,068.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,165.38	1/2	3,468.68	1/2	3,771.97	1/2	4,075.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,171.69	3/4	3,474.99	3/4	3,778.29	3/4	4,081.58	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,178.01	6	3,481.31	6	3,784.61	6	4,087.90	6		6		6		6		6		6	
1/4	3,184.33	1/4	3,487.63	1/4	3,790.92	1/4	4,094.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,190.65	1/2	3,493.95	1/2	3,797.24	1/2	4,100.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,196.97	3/4	3,500.27	3/4	3,803.56	3/4	4,106.67	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,203.29	7	3,506.59	7	3,809.88	7	4,112.92	7		7		7		7		7		7	
1/4	3,209.61	1/4	3,512.91	1/4	3,816.20	1/4	4,119.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,215.93	1/2	3,519.22	1/2	3,822.52	1/2	4,125.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,222.25	3/4	3,525.54	3/4	3,828.84	3/4	4,131.69	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,228.57	8	3,531.86	8	3,835.15	8	4,137.95	8		8		8		8		8		8	
1/4	3,234.88	1/4	3,538.18	1/4	3,841.47	1/4	4,144.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,241.20	1/2	3,544.50	1/2	3,847.79	1/2	4,150.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,247.52	3/4	3,550.82	3/4	3,854.11	3/4	4,156.71	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,253.84	9	3,557.14	9	3,860.43	9	4,162.97	9		9		9		9		9		9	
1/4	3,260.16	1/4	3,563.45	1/4	3,866.75	1/4	4,169.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,266.48	1/2	3,569.77	1/2	3,873.07	1/2	4,175.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,272.80	3/4	3,576.09	3/4	3,879.38	3/4	4,181.74	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,279.12	10	3,582.41	10	3,885.70	10	4,187.99	10		10		10		10		10		10	
1/4	3,285.44	1/4	3,588.73	1/4	3,892.02	1/4	4,194.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,291.75	1/2	3,595.05	1/2	3,898.34	1/2	4,200.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,298.07	3/4	3,601.37	3/4	3,904.66	3/4	4,206.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,304.39	11	3,607.68	11	3,910.98	11	4,213.02	11		11		11		11		11		11	
1/4	3,310.71	1/4	3,614.00	1/4	3,917.30	1/4	4,219.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,317.03	1/2	3,620.32	1/2	3,923.61	1/2	4,225.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,323.35	3/4	3,626.64	3/4	3,929.93	3/4	4,231.76	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.79	0	311.69	0	615.00	0	918.14	0	1,221.45	0	1,523.17	0	1,826.48	0	2,129.80	0	2,433.11	0	2,736.42
1/4	27.05	1/4	318.01	1/4	621.32	1/4	924.46	1/4	1,227.77	1/4	1,529.49	1/4	1,832.80	1/4	2,136.12	1/4	2,439.43	1/4	2,742.74
1/2	31.30	1/2	324.33	1/2	627.63	1/2	930.77	1/2	1,234.09	1/2	1,535.81	1/2	1,839.12	1/2	2,142.43	1/2	2,445.75	1/2	2,749.06
3/4	35.55	3/4	330.65	3/4	633.95	3/4	937.09	3/4	1,240.41	3/4	1,542.13	3/4	1,845.44	3/4	2,148.75	3/4	2,452.07	3/4	2,755.38
1	39.80	1	336.97	1	640.27	1	943.41	1	1,246.72	1	1,548.45	1	1,851.76	1	2,155.07	1	2,458.38	1	2,761.70
1/4	45.32	1/4	343.29	1/4	646.59	1/4	949.73	1/4	1,253.04	1/4	1,554.77	1/4	1,858.08	1/4	2,161.39	1/4	2,464.70	1/4	2,768.02
1/2	50.83	1/2	349.61	1/2	652.91	1/2	956.05	1/2	1,259.36	1/2	1,561.09	1/2	1,864.40	1/2	2,167.71	1/2	2,471.02	1/2	2,774.33
3/4	56.34	3/4	355.93	3/4	659.23	3/4	962.37	3/4	1,265.68	3/4	1,567.41	3/4	1,870.72	3/4	2,174.03	3/4	2,477.34	3/4	2,780.65
2	61.85	2	362.24	2	665.55	2	968.69	2	1,272.00	2	1,573.72	2	1,877.04	2	2,180.35	2	2,483.66	2	2,786.97
1/4	67.97	1/4	368.56	1/4	671.87	1/4	975.01	1/4	1,278.32	1/4	1,580.04	1/4	1,883.36	1/4	2,186.67	1/4	2,489.98	1/4	2,793.29
1/2	74.09	1/2	374.88	1/2	678.18	1/2	981.33	1/2	1,284.64	1/2	1,586.36	1/2	1,889.67	1/2	2,192.99	1/2	2,496.30	1/2	2,799.61
3/4	80.20	3/4	381.20	3/4	684.50	3/4	987.65	3/4	1,290.96	3/4	1,592.68	3/4	1,895.99	3/4	2,199.31	3/4	2,502.62	3/4	2,805.93
3	86.32	3	387.52	3	690.82	3	993.96	3	1,297.28	3	1,599.00	3	1,902.31	3	2,205.62	3	2,508.94	3	2,812.25
1/4	92.46	1/4	393.84	1/4	697.14	1/4	1,000.28	1/4	1,303.60	1/4	1,605.32	1/4	1,908.63	1/4	2,211.94	1/4	2,515.26	1/4	2,818.57
1/2	98.59	1/2	400.16	1/2	703.45	1/2	1,006.60	1/2	1,309.91	1/2	1,611.64	1/2	1,914.95	1/2	2,218.26	1/2	2,521.57	1/2	2,824.89
3/4	104.73	3/4	406.48	3/4	709.76	3/4	1,012.92	3/4	1,316.23	3/4	1,617.96	3/4	1,921.27	3/4	2,224.58	3/4	2,527.89	3/4	2,831.21
4	110.87	4	412.80	4	716.08	4	1,019.24	4	1,322.55	4	1,624.28	4	1,927.59	4	2,230.90	4	2,534.21	4	2,837.52
1/4	117.02	1/4	419.11	1/4	722.39	1/4	1,025.56	1/4	1,328.87	1/4	1,630.60	1/4	1,933.91	1/4	2,237.22	1/4	2,540.53	1/4	2,843.84
1/2	123.16	1/2	425.43	1/2	728.70	1/2	1,031.88	1/2	1,335.19	1/2	1,636.91	1/2	1,940.23	1/2	2,243.54	1/2	2,546.85	1/2	2,850.16
3/4	129.31	3/4	431.75	3/4	735.02	3/4	1,038.20	3/4	1,341.51	3/4	1,643.23	3/4	1,946.55	3/4	2,249.86	3/4	2,553.17	3/4	2,856.48
5	135.45	5	438.07	5	741.33	5	1,044.52	5	1,347.83	5	1,649.55	5	1,952.86	5	2,256.18	5	2,559.49	5	2,862.80
1/4	141.60	1/4	444.39	1/4	747.65	1/4	1,050.84	1/4	1,354.15	1/4	1,655.87	1/4	1,959.18	1/4	2,262.50	1/4	2,565.81	1/4	2,869.12
1/2	147.75	1/2	450.71	1/2	753.96	1/2	1,057.15	1/2	1,360.47	1/2	1,662.19	1/2	1,965.50	1/2	2,268.81	1/2	2,572.13	1/2	2,875.44
3/4	153.90	3/4	457.03	3/4	760.27	3/4	1,063.47	3/4	1,366.79	3/4	1,668.51	3/4	1,971.82	3/4	2,275.13	3/4	2,578.45	3/4	2,881.76
6	160.04	6	463.35	6	766.59	6	1,069.79	6	1,373.10	6	1,674.83	6	1,978.14	6	2,281.45	6	2,584.76	6	2,888.08
1/4	166.36	1/4	469.66	1/4	772.90	1/4	1,076.11	1/4	1,379.42	1/4	1,681.15	1/4	1,984.46	1/4	2,287.77	1/4	2,591.08	1/4	2,894.40
1/2	172.68	1/2	475.98	1/2	779.21	1/2	1,082.43	1/2	1,385.74	1/2	1,687.47	1/2	1,990.78	1/2	2,294.09	1/2	2,597.40	1/2	2,900.71
3/4	179.00	3/4	482.30	3/4	785.53	3/4	1,088.75	3/4	1,392.06	3/4	1,693.79	3/4	1,997.10	3/4	2,300.41	3/4	2,603.72	3/4	2,907.03
7	185.32	7	488.62	7	791.84	7	1,095.07	7	1,398.38	7	1,700.10	7	2,003.42	7	2,306.73	7	2,610.04	7	2,913.35
1/4	191.64	1/4	494.94	1/4	798.16	1/4	1,101.39	1/4	1,404.60	1/4	1,706.42	1/4	2,009.74	1/4	2,313.05	1/4	2,616.36	1/4	2,919.67
1/2	197.96	1/2	501.26	1/2	804.47	1/2	1,107.71	1/2	1,410.82	1/2	1,712.74	1/2	2,016.05	1/2	2,319.37	1/2	2,622.68	1/2	2,925.99
3/4	204.27	3/4	507.58	3/4	810.78	3/4	1,114.03	3/4	1,417.04	3/4	1,719.06	3/4	2,022.37	3/4	2,325.69	3/4	2,629.00	3/4	2,932.31
8	210.59	8	513.90	8	817.10	8	1,120.34	8	1,423.26	8	1,725.38	8	2,028.69	8	2,332.00	8	2,635.32	8	2,938.63
1/4	216.91	1/4	520.21	1/4	823.41	1/4	1,126.66	1/4	1,429.48	1/4	1,731.70	1/4	2,035.01	1/4	2,338.32	1/4	2,641.64	1/4	2,944.95
1/2	223.23	1/2	526.53	1/2	829.72	1/2	1,132.98	1/2	1,435.70	1/2	1,738.02	1/2	2,041.33	1/2	2,344.64	1/2	2,647.95	1/2	2,951.27
3/4	229.55	3/4	532.85	3/4	836.04	3/4	1,139.30	3/4	1,441.92	3/4	1,744.34	3/4	2,047.65	3/4	2,350.96	3/4	2,654.27	3/4	2,957.59
9	235.87	9	539.17	9	842.35	9	1,145.62	9	1,448.14	9	1,750.66	9	2,053.97	9	2,357.28	9	2,660.59	9	2,963.90
1/4	242.19	1/4	545.49	1/4	848.67	1/4	1,151.94	1/4	1,454.36	1/4	1,756.98	1/4	2,060.29	1/4	2,363.60	1/4	2,666.91	1/4	2,970.22
1/2	248.51	1/2	551.81	1/2	854.98	1/2	1,158.26	1/2	1,460.58	1/2	1,763.29	1/2	2,066.61	1/2	2,369.92	1/2	2,673.23	1/2	2,976.54
3/4	254.83	3/4	558.13	3/4	861.29	3/4	1,164.58	3/4	1,466.80	3/4	1,769.61	3/4	2,072.93	3/4	2,376.24	3/4	2,679.55	3/4	2,982.86
10	261.14	10	564.45	10	867.61	10	1,170.90	10	1,473.02	10	1,775.93	10	2,079.24	10	2,382.56	10	2,685.87	10	2,989.18
1/4	267.46	1/4	570.77	1/4	873.92	1/4	1,177.22	1/4	1,479.24	1/4	1,782.25	1/4	2,085.56	1/4	2,388.88	1/4	2,692.19	1/4	2,995.50
1/2	273.78	1/2	577.08	1/2	880.23	1/2	1,183.53	1/2	1,485.46	1/2	1,788.57	1/2	2,091.88	1/2	2,395.19	1/2	2,698.51	1/2	3,001.82
3/4	280.10	3/4	583.40	3/4	886.55	3/4	1,189.85	3/4	1,491.68	3/4	1,794.89	3/4	2,098.20	3/4	2,401.51	3/4	2,704.83	3/4	3,008.14
11	286.42	11	589.72	11	892.86	11	1,196.17	11	1,497.90	11	1,801.21	11	2,104.52	11	2,407.83	11	2,711.14	11	3,014.46
1/4	292.74	1/4	596.04	1/4	899.18	1/4	1,202.49	1/4	1,504.22	1/4	1,807.53	1/4	2,110.84	1/4	2,414.15	1/4	2,717.46	1/4	3,020.78
1/2	299.06	1/2	602.36	1/2	905.50	1/2	1,208.81	1/2	1,510.53	1/2	1,813.85	1/2	2,117.16	1/2	2,420.47	1/2	2,723.78	1/2	3,027.09
3/4	305.38	3/4	608.68	3/4	911.82	3/4	1,215.13	3/4	1,516.85	3/4	1,820.17	3/4	2,123.48	3/4	2,426.79	3/4	2,730.10	3/4	3,033.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 304"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,039.73	0	3,343.04	0	3,646.33	0	3,949.63	0	4,251.38	0		0		0		0		0	
1/4	3,046.05	1/4	3,349.36	1/4	3,652.65	1/4	3,955.95	1/4	4,257.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,052.37	1/2	3,355.68	1/2	3,658.97	1/2	3,962.26	1/2	4,263.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,058.69	3/4	3,362.00	3/4	3,665.29	3/4	3,968.58	3/4	4,270.05	3/4		3/4		3/4		3/4		3/4	
1	3,065.01	1	3,368.32	1	3,671.61	1	3,974.90	1	4,276.28	1		1		1		1		1	
1/4	3,071.33	1/4	3,374.63	1/4	3,677.93	1/4	3,981.22	1/4	4,281.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,077.65	1/2	3,380.95	1/2	3,684.25	1/2	3,987.54	1/2	4,287.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,083.97	3/4	3,387.27	3/4	3,690.56	3/4	3,993.86	3/4	4,293.15	3/4		3/4		3/4		3/4		3/4	
2	3,090.28	2	3,393.59	2	3,696.88	2	4,000.18	2	4,298.77	2		2		2		2		2	
1/4	3,096.60	1/4	3,399.91	1/4	3,703.20	1/4	4,006.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,102.92	1/2	3,406.23	1/2	3,709.52	1/2	4,012.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,109.24	3/4	3,412.55	3/4	3,715.84	3/4	4,019.13	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,115.56	3	3,418.86	3	3,722.16	3	4,025.45	3		3		3		3		3		3	
1/4	3,121.88	1/4	3,425.18	1/4	3,728.48	1/4	4,031.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,128.20	1/2	3,431.50	1/2	3,734.79	1/2	4,038.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,134.52	3/4	3,437.82	3/4	3,741.11	3/4	4,044.41	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,140.84	4	3,444.14	4	3,747.43	4	4,050.72	4		4		4		4		4		4	
1/4	3,147.16	1/4	3,450.46	1/4	3,753.75	1/4	4,057.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,153.47	1/2	3,456.78	1/2	3,760.07	1/2	4,063.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,159.79	3/4	3,463.09	3/4	3,766.39	3/4	4,069.68	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,166.11	5	3,469.41	5	3,772.71	5	4,076.00	5		5		5		5		5		5	
1/4	3,172.43	1/4	3,475.73	1/4	3,779.02	1/4	4,082.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,178.75	1/2	3,482.05	1/2	3,785.34	1/2	4,088.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,185.07	3/4	3,488.37	3/4	3,791.66	3/4	4,094.95	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,191.39	6	3,494.69	6	3,797.98	6	4,101.27	6		6		6		6		6		6	
1/4	3,197.71	1/4	3,501.01	1/4	3,804.30	1/4	4,107.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,204.03	1/2	3,507.32	1/2	3,810.62	1/2	4,113.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,210.35	3/4	3,513.64	3/4	3,816.94	3/4	4,120.04	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,216.66	7	3,519.96	7	3,823.25	7	4,126.30	7		7		7		7		7		7	
1/4	3,222.98	1/4	3,526.28	1/4	3,829.57	1/4	4,132.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,229.30	1/2	3,532.60	1/2	3,835.89	1/2	4,138.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,235.62	3/4	3,538.92	3/4	3,842.21	3/4	4,145.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,241.94	8	3,545.24	8	3,848.53	8	4,151.32	8		8		8		8		8		8	
1/4	3,248.26	1/4	3,551.55	1/4	3,854.85	1/4	4,157.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,254.58	1/2	3,557.87	1/2	3,861.17	1/2	4,163.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,260.90	3/4	3,564.19	3/4	3,867.48	3/4	4,170.09	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,267.22	9	3,570.51	9	3,873.80	9	4,176.34	9		9		9		9		9		9	
1/4	3,273.54	1/4	3,576.83	1/4	3,880.12	1/4	4,182.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,279.85	1/2	3,583.15	1/2	3,886.44	1/2	4,188.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,286.17	3/4	3,589.47	3/4	3,892.76	3/4	4,195.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,292.49	10	3,595.78	10	3,899.08	10	4,201.37	10		10		10		10		10		10	
1/4	3,298.81	1/4	3,602.10	1/4	3,905.40	1/4	4,207.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,305.13	1/2	3,608.42	1/2	3,911.71	1/2	4,213.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,311.45	3/4	3,614.74	3/4	3,918.03	3/4	4,220.13	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,317.77	11	3,621.06	11	3,924.35	11	4,226.39	11		11		11		11		11		11	
1/4	3,324.09	1/4	3,627.38	1/4	3,930.67	1/4	4,232.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,330.40	1/2	3,633.70	1/2	3,936.99	1/2	4,238.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,336.72	3/4	3,640.02	3/4	3,943.31	3/4	4,245.13	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.81	0	311.87	0	615.35	0	908.63	0	1,208.77	0	1,510.66	0	1,814.15	0	2,117.63	0	2,421.12	0	2,724.60
1/4	27.06	1/4	318.20	1/4	621.67	1/4	914.67	1/4	1,215.09	1/4	1,516.99	1/4	1,820.47	1/4	2,123.96	1/4	2,427.44	1/4	2,730.93
1/2	31.32	1/2	324.52	1/2	627.99	1/2	920.71	1/2	1,221.41	1/2	1,523.31	1/2	1,826.79	1/2	2,130.28	1/2	2,433.76	1/2	2,737.25
3/4	35.57	3/4	330.84	3/4	634.32	3/4	926.76	3/4	1,227.73	3/4	1,529.63	3/4	1,833.12	3/4	2,136.60	3/4	2,440.09	3/4	2,743.57
1	39.82	1	337.16	1	640.64	1	932.80	1	1,234.06	1	1,535.95	1	1,839.44	1	2,142.92	1	2,446.41	1	2,749.89
1/4	45.34	1/4	343.49	1/4	646.96	1/4	938.85	1/4	1,240.38	1/4	1,542.28	1/4	1,845.76	1/4	2,149.25	1/4	2,452.73	1/4	2,756.22
1/2	50.86	1/2	349.81	1/2	653.28	1/2	944.89	1/2	1,246.70	1/2	1,548.60	1/2	1,852.08	1/2	2,155.57	1/2	2,459.05	1/2	2,762.54
3/4	56.37	3/4	356.13	3/4	659.61	3/4	950.93	3/4	1,253.02	3/4	1,554.92	3/4	1,858.41	3/4	2,161.89	3/4	2,465.38	3/4	2,768.86
2	61.89	2	362.45	2	665.93	2	956.98	2	1,259.35	2	1,561.24	2	1,864.73	2	2,168.21	2	2,471.70	2	2,775.18
1/4	68.01	1/4	368.78	1/4	672.25	1/4	963.02	1/4	1,265.67	1/4	1,567.57	1/4	1,871.05	1/4	2,174.54	1/4	2,478.02	1/4	2,781.51
1/2	74.13	1/2	375.10	1/2	678.57	1/2	969.07	1/2	1,271.99	1/2	1,573.89	1/2	1,877.37	1/2	2,180.86	1/2	2,484.34	1/2	2,787.83
3/4	80.25	3/4	381.42	3/4	684.90	3/4	975.11	3/4	1,278.32	3/4	1,580.21	3/4	1,883.70	3/4	2,187.18	3/4	2,490.67	3/4	2,794.15
3	86.37	3	387.74	3	691.22	3	981.15	3	1,284.64	3	1,586.54	3	1,890.02	3	2,193.50	3	2,496.99	3	2,800.47
1/4	92.51	1/4	394.07	1/4	697.26	1/4	987.48	1/4	1,290.96	1/4	1,592.86	1/4	1,896.34	1/4	2,199.83	1/4	2,503.31	1/4	2,806.80
1/2	98.65	1/2	400.39	1/2	703.30	1/2	993.80	1/2	1,297.28	1/2	1,599.18	1/2	1,902.67	1/2	2,206.15	1/2	2,509.63	1/2	2,813.12
3/4	104.79	3/4	406.71	3/4	709.33	3/4	1,000.12	3/4	1,303.61	3/4	1,605.50	3/4	1,908.99	3/4	2,212.47	3/4	2,515.96	3/4	2,819.44
4	110.93	4	413.03	4	715.37	4	1,006.44	4	1,309.93	4	1,611.83	4	1,915.31	4	2,218.80	4	2,522.28	4	2,825.76
1/4	117.08	1/4	419.36	1/4	721.41	1/4	1,012.77	1/4	1,316.25	1/4	1,618.15	1/4	1,921.63	1/4	2,225.12	1/4	2,528.60	1/4	2,832.09
1/2	123.23	1/2	425.68	1/2	727.45	1/2	1,019.09	1/2	1,322.57	1/2	1,624.47	1/2	1,927.96	1/2	2,231.44	1/2	2,534.93	1/2	2,838.41
3/4	129.38	3/4	432.00	3/4	733.49	3/4	1,025.41	3/4	1,328.90	3/4	1,630.79	3/4	1,934.28	3/4	2,237.76	3/4	2,541.25	3/4	2,844.73
5	135.53	5	438.32	5	739.53	5	1,031.73	5	1,335.22	5	1,637.12	5	1,940.60	5	2,244.09	5	2,547.57	5	2,851.06
1/4	141.68	1/4	444.64	1/4	745.56	1/4	1,038.06	1/4	1,341.54	1/4	1,643.44	1/4	1,946.92	1/4	2,250.41	1/4	2,553.89	1/4	2,857.38
1/2	147.83	1/2	450.97	1/2	751.60	1/2	1,044.38	1/2	1,347.86	1/2	1,649.76	1/2	1,953.25	1/2	2,256.73	1/2	2,560.22	1/2	2,863.70
3/4	153.99	3/4	457.29	3/4	757.64	3/4	1,050.70	3/4	1,354.19	3/4	1,656.08	3/4	1,959.57	3/4	2,263.05	3/4	2,566.54	3/4	2,870.02
6	160.14	6	463.61	6	763.68	6	1,057.02	6	1,360.51	6	1,662.41	6	1,965.89	6	2,269.38	6	2,572.86	6	2,876.35
1/4	166.46	1/4	469.93	1/4	769.72	1/4	1,063.35	1/4	1,366.83	1/4	1,668.73	1/4	1,972.21	1/4	2,275.70	1/4	2,579.18	1/4	2,882.67
1/2	172.78	1/2	476.26	1/2	775.76	1/2	1,069.67	1/2	1,373.15	1/2	1,675.05	1/2	1,978.54	1/2	2,282.02	1/2	2,585.51	1/2	2,888.99
3/4	179.10	3/4	482.58	3/4	781.80	3/4	1,075.99	3/4	1,379.48	3/4	1,681.37	3/4	1,984.86	3/4	2,288.34	3/4	2,591.83	3/4	2,895.31
7	185.43	7	488.90	7	787.83	7	1,082.31	7	1,385.80	7	1,687.70	7	1,991.18	7	2,294.67	7	2,598.15	7	2,901.64
1/4	191.75	1/4	495.22	1/4	793.87	1/4	1,088.64	1/4	1,392.02	1/4	1,694.02	1/4	1,997.50	1/4	2,300.99	1/4	2,604.47	1/4	2,907.96
1/2	198.07	1/2	501.55	1/2	799.91	1/2	1,094.96	1/2	1,398.25	1/2	1,700.34	1/2	2,003.83	1/2	2,307.31	1/2	2,610.80	1/2	2,914.28
3/4	204.39	3/4	507.87	3/4	805.95	3/4	1,101.28	3/4	1,404.47	3/4	1,706.66	3/4	2,010.15	3/4	2,313.63	3/4	2,617.12	3/4	2,920.60
8	210.72	8	514.19	8	811.99	8	1,107.60	8	1,410.69	8	1,712.99	8	2,016.47	8	2,319.96	8	2,623.44	8	2,926.93
1/4	217.04	1/4	520.51	1/4	818.03	1/4	1,113.93	1/4	1,416.92	1/4	1,719.31	1/4	2,022.79	1/4	2,326.28	1/4	2,629.76	1/4	2,933.25
1/2	223.36	1/2	526.84	1/2	824.07	1/2	1,120.25	1/2	1,423.14	1/2	1,725.63	1/2	2,029.12	1/2	2,332.60	1/2	2,636.09	1/2	2,939.57
3/4	229.68	3/4	533.16	3/4	830.10	3/4	1,126.57	3/4	1,429.36	3/4	1,731.96	3/4	2,035.44	3/4	2,338.92	3/4	2,642.41	3/4	2,945.89
9	236.01	9	539.48	9	836.14	9	1,132.90	9	1,435.59	9	1,738.28	9	2,041.76	9	2,345.25	9	2,648.73	9	2,952.22
1/4	242.33	1/4	545.80	1/4	842.18	1/4	1,139.22	1/4	1,441.81	1/4	1,744.60	1/4	2,048.09	1/4	2,351.57	1/4	2,655.05	1/4	2,958.54
1/2	248.65	1/2	552.13	1/2	848.22	1/2	1,145.54	1/2	1,448.03	1/2	1,750.92	1/2	2,054.41	1/2	2,357.89	1/2	2,661.38	1/2	2,964.86
3/4	254.97	3/4	558.45	3/4	854.26	3/4	1,151.86	3/4	1,454.26	3/4	1,757.25	3/4	2,060.73	3/4	2,364.22	3/4	2,667.70	3/4	2,971.18
10	261.30	10	564.77	10	860.30	10	1,158.19	10	1,460.48	10	1,763.57	10	2,067.05	10	2,370.54	10	2,674.02	10	2,977.51
1/4	267.62	1/4	571.09	1/4	866.33	1/4	1,164.51	1/4	1,466.70	1/4	1,769.89	1/4	2,073.38	1/4	2,376.86	1/4	2,680.34	1/4	2,983.83
1/2	273.94	1/2	577.42	1/2	872.37	1/2	1,170.83	1/2	1,472.93	1/2	1,776.21	1/2	2,079.70	1/2	2,383.18	1/2	2,686.67	1/2	2,990.15
3/4	280.26	3/4	583.74	3/4	878.41	3/4	1,177.15	3/4	1,479.15	3/4	1,782.54	3/4	2,086.02	3/4	2,389.51	3/4	2,692.99	3/4	2,996.47
11	286.58	11	590.06	11	884.45	11	1,183.48	11	1,485.37	11	1,788.86	11	2,092.34	11	2,395.83	11	2,699.31	11	3,002.80
1/4	292.91	1/4	596.38	1/4	890.49	1/4	1,189.80	1/4	1,491.70	1/4	1,795.18	1/4	2,098.67	1/4	2,402.15	1/4	2,705.64	1/4	3,009.12
1/2	299.23	1/2	602.70	1/2	896.54	1/2	1,196.12	1/2	1,498.02	1/2	1,801.50	1/2	2,104.99	1/2	2,408.47	1/2	2,711.96	1/2	3,015.44
3/4	305.55	3/4	609.03	3/4	902.58	3/4	1,202.44	3/4	1,504.34	3/4	1,807.83	3/4	2,111.31	3/4	2,414.80	3/4	2,718.28	3/4	3,021.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MM 304"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,028.09	0	3,331.57	0	3,635.04	0	3,938.51	0	4,240.44	0		0		0		0		0	
1/4	3,034.41	1/4	3,337.89	1/4	3,641.36	1/4	3,944.83	1/4	4,246.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,040.73	1/2	3,344.21	1/2	3,647.69	1/2	3,951.16	1/2	4,252.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,047.06	3/4	3,350.54	3/4	3,654.01	3/4	3,957.48	3/4	4,259.13	3/4		3/4		3/4		3/4		3/4	
1	3,053.38	1	3,356.86	1	3,660.33	1	3,963.80	1	4,265.36	1		1		1		1		1	
1/4	3,059.70	1/4	3,363.18	1/4	3,666.65	1/4	3,970.12	1/4	4,270.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,066.02	1/2	3,369.50	1/2	3,672.97	1/2	3,976.44	1/2	4,276.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,072.35	3/4	3,375.83	3/4	3,679.30	3/4	3,982.77	3/4	4,282.23	3/4		3/4		3/4		3/4		3/4	
2	3,078.67	2	3,382.15	2	3,685.62	2	3,989.09	2	4,287.86	2		2		2		2		2	
1/4	3,084.99	1/4	3,388.47	1/4	3,691.94	1/4	3,995.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,091.31	1/2	3,394.79	1/2	3,698.26	1/2	4,001.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,097.64	3/4	3,401.12	3/4	3,704.59	3/4	4,008.06	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,103.96	3	3,407.44	3	3,710.91	3	4,014.38	3		3		3		3		3		3	
1/4	3,110.28	1/4	3,413.76	1/4	3,717.23	1/4	4,020.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,116.60	1/2	3,420.08	1/2	3,723.55	1/2	4,027.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,122.93	3/4	3,426.40	3/4	3,729.88	3/4	4,033.35	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,129.25	4	3,432.73	4	3,736.20	4	4,039.67	4		4		4		4		4		4	
1/4	3,135.57	1/4	3,439.05	1/4	3,742.52	1/4	4,045.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,141.89	1/2	3,445.37	1/2	3,748.84	1/2	4,052.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,148.22	3/4	3,451.69	3/4	3,755.16	3/4	4,058.63	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,154.54	5	3,458.02	5	3,761.49	5	4,064.96	5		5		5		5		5		5	
1/4	3,160.86	1/4	3,464.34	1/4	3,767.81	1/4	4,071.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,167.19	1/2	3,470.66	1/2	3,774.13	1/2	4,077.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,173.51	3/4	3,476.98	3/4	3,780.45	3/4	4,083.92	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,179.83	6	3,483.31	6	3,786.78	6	4,090.25	6		6		6		6		6		6	
1/4	3,186.15	1/4	3,489.63	1/4	3,793.10	1/4	4,096.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,192.48	1/2	3,495.95	1/2	3,799.42	1/2	4,102.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,198.80	3/4	3,502.27	3/4	3,805.74	3/4	4,109.02	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,205.12	7	3,508.59	7	3,812.07	7	4,115.28	7		7		7		7		7		7	
1/4	3,211.44	1/4	3,514.92	1/4	3,818.39	1/4	4,121.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,217.77	1/2	3,521.24	1/2	3,824.71	1/2	4,127.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,224.09	3/4	3,527.56	3/4	3,831.03	3/4	4,134.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,230.41	8	3,533.88	8	3,837.35	8	4,140.32	8		8		8		8		8		8	
1/4	3,236.73	1/4	3,540.21	1/4	3,843.68	1/4	4,146.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,243.06	1/2	3,546.53	1/2	3,850.00	1/2	4,152.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,249.38	3/4	3,552.85	3/4	3,856.32	3/4	4,159.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,255.70	9	3,559.17	9	3,862.64	9	4,165.36	9		9		9		9		9		9	
1/4	3,262.02	1/4	3,565.50	1/4	3,868.97	1/4	4,171.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,268.35	1/2	3,571.82	1/2	3,875.29	1/2	4,177.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,274.67	3/4	3,578.14	3/4	3,881.61	3/4	4,184.14	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,280.99	10	3,584.46	10	3,887.93	10	4,190.40	10		10		10		10		10		10	
1/4	3,287.31	1/4	3,590.78	1/4	3,894.26	1/4	4,196.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,293.64	1/2	3,597.11	1/2	3,900.58	1/2	4,202.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,299.96	3/4	3,603.43	3/4	3,906.90	3/4	4,209.18	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,306.28	11	3,609.75	11	3,913.22	11	4,215.44	11		11		11		11		11		11	
1/4	3,312.60	1/4	3,616.07	1/4	3,919.54	1/4	4,221.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,318.93	1/2	3,622.40	1/2	3,925.87	1/2	4,227.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,325.25	3/4	3,628.72	3/4	3,932.19	3/4	4,234.19	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.80	0	311.78	0	615.17	0	918.40	0	1,221.80	0	1,523.61	0	1,827.01	0	2,130.41	0	2,433.81	0	2,737.20
1/4	27.05	1/4	318.10	1/4	621.49	1/4	924.72	1/4	1,228.12	1/4	1,529.93	1/4	1,833.33	1/4	2,136.73	1/4	2,440.13	1/4	2,743.53
1/2	31.31	1/2	324.42	1/2	627.81	1/2	931.04	1/2	1,234.44	1/2	1,536.25	1/2	1,839.65	1/2	2,143.05	1/2	2,446.45	1/2	2,749.85
3/4	35.56	3/4	330.75	3/4	634.13	3/4	937.36	3/4	1,240.76	3/4	1,542.57	3/4	1,845.97	3/4	2,149.37	3/4	2,452.77	3/4	2,756.17
1	39.81	1	337.07	1	640.45	1	943.68	1	1,247.08	1	1,548.89	1	1,852.29	1	2,155.69	1	2,459.09	1	2,762.49
1/4	45.33	1/4	343.39	1/4	646.78	1/4	950.01	1/4	1,253.40	1/4	1,555.22	1/4	1,858.61	1/4	2,162.01	1/4	2,465.41	1/4	2,768.81
1/2	50.84	1/2	349.71	1/2	653.10	1/2	956.33	1/2	1,259.72	1/2	1,561.54	1/2	1,864.93	1/2	2,168.33	1/2	2,471.73	1/2	2,775.13
3/4	56.36	3/4	356.03	3/4	659.42	3/4	962.65	3/4	1,266.05	3/4	1,567.86	3/4	1,871.26	3/4	2,174.65	3/4	2,478.05	3/4	2,781.45
2	61.87	2	362.35	2	665.74	2	968.97	2	1,272.37	2	1,574.18	2	1,877.58	2	2,180.97	2	2,484.37	2	2,787.77
1/4	67.99	1/4	368.67	1/4	672.06	1/4	975.29	1/4	1,278.69	1/4	1,580.50	1/4	1,883.90	1/4	2,187.30	1/4	2,490.69	1/4	2,794.09
1/2	74.11	1/2	374.99	1/2	678.38	1/2	981.61	1/2	1,285.01	1/2	1,586.82	1/2	1,890.22	1/2	2,193.62	1/2	2,497.01	1/2	2,800.41
3/4	80.23	3/4	381.31	3/4	684.70	3/4	987.93	3/4	1,291.33	3/4	1,593.14	3/4	1,896.54	3/4	2,199.94	3/4	2,503.34	3/4	2,806.73
3	86.34	3	387.63	3	691.02	3	994.25	3	1,297.65	3	1,599.46	3	1,902.86	3	2,206.26	3	2,509.66	3	2,813.05
1/4	92.48	1/4	393.95	1/4	697.33	1/4	1,000.57	1/4	1,303.97	1/4	1,605.78	1/4	1,909.18	1/4	2,212.58	1/4	2,515.98	1/4	2,819.38
1/2	98.62	1/2	400.27	1/2	703.65	1/2	1,006.89	1/2	1,310.29	1/2	1,612.10	1/2	1,915.50	1/2	2,218.90	1/2	2,522.30	1/2	2,825.70
3/4	104.76	3/4	406.59	3/4	709.97	3/4	1,013.21	3/4	1,316.61	3/4	1,618.42	3/4	1,921.82	3/4	2,225.22	3/4	2,528.62	3/4	2,832.02
4	110.90	4	412.91	4	716.28	4	1,019.53	4	1,322.93	4	1,624.74	4	1,928.14	4	2,231.54	4	2,534.94	4	2,838.34
1/4	117.05	1/4	419.23	1/4	722.60	1/4	1,025.86	1/4	1,329.25	1/4	1,631.06	1/4	1,934.46	1/4	2,237.86	1/4	2,541.26	1/4	2,844.66
1/2	123.20	1/2	425.55	1/2	728.91	1/2	1,032.18	1/2	1,335.57	1/2	1,637.39	1/2	1,940.78	1/2	2,244.18	1/2	2,547.58	1/2	2,850.98
3/4	129.34	3/4	431.87	3/4	735.23	3/4	1,038.50	3/4	1,341.90	3/4	1,643.71	3/4	1,947.10	3/4	2,250.50	3/4	2,553.90	3/4	2,857.30
5	135.49	5	438.20	5	741.54	5	1,044.82	5	1,348.22	5	1,650.03	5	1,953.43	5	2,256.82	5	2,560.22	5	2,863.62
1/4	141.64	1/4	444.52	1/4	747.86	1/4	1,051.14	1/4	1,354.54	1/4	1,656.35	1/4	1,959.75	1/4	2,263.14	1/4	2,566.54	1/4	2,869.94
1/2	147.79	1/2	450.84	1/2	754.18	1/2	1,057.46	1/2	1,360.86	1/2	1,662.67	1/2	1,966.07	1/2	2,269.47	1/2	2,572.86	1/2	2,876.26
3/4	153.94	3/4	457.16	3/4	760.49	3/4	1,063.78	3/4	1,367.18	3/4	1,668.99	3/4	1,972.39	3/4	2,275.79	3/4	2,579.18	3/4	2,882.58
6	160.09	6	463.48	6	766.81	6	1,070.10	6	1,373.50	6	1,675.31	6	1,978.71	6	2,282.11	6	2,585.51	6	2,888.90
1/4	166.41	1/4	469.80	1/4	773.12	1/4	1,076.42	1/4	1,379.82	1/4	1,681.63	1/4	1,985.03	1/4	2,288.43	1/4	2,591.83	1/4	2,895.22
1/2	172.73	1/2	476.12	1/2	779.44	1/2	1,082.74	1/2	1,386.14	1/2	1,687.95	1/2	1,991.35	1/2	2,294.75	1/2	2,598.15	1/2	2,901.55
3/4	179.05	3/4	482.44	3/4	785.75	3/4	1,089.06	3/4	1,392.46	3/4	1,694.27	3/4	1,997.67	3/4	2,301.07	3/4	2,604.47	3/4	2,907.87
7	185.37	7	488.76	7	792.07	7	1,095.38	7	1,398.78	7	1,700.59	7	2,003.99	7	2,307.39	7	2,610.79	7	2,914.19
1/4	191.69	1/4	495.08	1/4	798.38	1/4	1,101.70	1/4	1,405.00	1/4	1,706.91	1/4	2,010.31	1/4	2,313.71	1/4	2,617.11	1/4	2,920.51
1/2	198.01	1/2	501.40	1/2	804.70	1/2	1,108.03	1/2	1,411.23	1/2	1,713.24	1/2	2,016.63	1/2	2,320.03	1/2	2,623.43	1/2	2,926.83
3/4	204.33	3/4	507.72	3/4	811.02	3/4	1,114.35	3/4	1,417.45	3/4	1,719.56	3/4	2,022.95	3/4	2,326.35	3/4	2,629.75	3/4	2,933.15
8	210.65	8	514.04	8	817.33	8	1,120.67	8	1,423.67	8	1,725.88	8	2,029.28	8	2,332.67	8	2,636.07	8	2,939.47
1/4	216.97	1/4	520.36	1/4	823.65	1/4	1,126.99	1/4	1,429.89	1/4	1,732.20	1/4	2,035.60	1/4	2,338.99	1/4	2,642.39	1/4	2,945.79
1/2	223.29	1/2	526.68	1/2	829.96	1/2	1,133.31	1/2	1,436.11	1/2	1,738.52	1/2	2,041.92	1/2	2,345.32	1/2	2,648.71	1/2	2,952.11
3/4	229.62	3/4	533.00	3/4	836.28	3/4	1,139.63	3/4	1,442.33	3/4	1,744.84	3/4	2,048.24	3/4	2,351.64	3/4	2,655.03	3/4	2,958.43
9	235.94	9	539.32	9	842.59	9	1,145.95	9	1,448.56	9	1,751.16	9	2,054.56	9	2,357.96	9	2,661.36	9	2,964.75
1/4	242.26	1/4	545.65	1/4	848.91	1/4	1,152.27	1/4	1,454.78	1/4	1,757.48	1/4	2,060.88	1/4	2,364.28	1/4	2,667.68	1/4	2,971.07
1/2	248.58	1/2	551.97	1/2	855.22	1/2	1,158.59	1/2	1,461.00	1/2	1,763.80	1/2	2,067.20	1/2	2,370.60	1/2	2,674.00	1/2	2,977.40
3/4	254.90	3/4	558.29	3/4	861.54	3/4	1,164.91	3/4	1,467.22	3/4	1,770.12	3/4	2,073.52	3/4	2,376.92	3/4	2,680.32	3/4	2,983.72
10	261.22	10	564.61	10	867.86	10	1,171.23	10	1,473.44	10	1,776.44	10	2,079.84	10	2,383.24	10	2,686.64	10	2,990.04
1/4	267.54	1/4	570.93	1/4	874.17	1/4	1,177.55	1/4	1,479.66	1/4	1,782.76	1/4	2,086.16	1/4	2,389.56	1/4	2,692.96	1/4	2,996.36
1/2	273.86	1/2	577.25	1/2	880.49	1/2	1,183.88	1/2	1,485.88	1/2	1,789.08	1/2	2,092.48	1/2	2,395.88	1/2	2,699.28	1/2	3,002.68
3/4	280.18	3/4	583.57	3/4	886.80	3/4	1,190.20	3/4	1,492.11	3/4	1,795.41	3/4	2,098.80	3/4	2,402.20	3/4	2,705.60	3/4	3,009.00
11	286.50	11	589.89	11	893.12	11	1,196.52	11	1,498.33	11	1,801.73	11	2,105.12	11	2,408.52	11	2,711.92	11	3,015.32
1/4	292.82	1/4	596.21	1/4	899.44	1/4	1,202.84	1/4	1,504.65	1/4	1,808.05	1/4	2,111.45	1/4	2,414.84	1/4	2,718.24	1/4	3,021.64
1/2	299.14	1/2	602.53	1/2	905.76	1/2	1,209.16	1/2	1,510.97	1/2	1,814.37	1/2	2,117.77	1/2	2,421.16	1/2	2,724.56	1/2	3,027.96
3/4	305.46	3/4	608.85	3/4	912.08	3/4	1,215.48	3/4	1,517.29	3/4	1,820.69	3/4	2,124.09	3/4	2,427.49	3/4	2,730.88	3/4	3,034.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "MM 304"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,040.60	0	3,344.00	0	3,647.38	0	3,950.77	0	4,252.61	0		0		0		0		0	
1/4	3,046.92	1/4	3,350.32	1/4	3,653.70	1/4	3,957.09	1/4	4,258.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,053.24	1/2	3,356.64	1/2	3,660.02	1/2	3,963.41	1/2	4,265.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,059.57	3/4	3,362.96	3/4	3,666.34	3/4	3,969.73	3/4	4,271.29	3/4		3/4		3/4		3/4		3/4	
1	3,065.89	1	3,369.28	1	3,672.67	1	3,976.05	1	4,277.52	1		1		1		1		1	
1/4	3,072.21	1/4	3,375.60	1/4	3,678.99	1/4	3,982.37	1/4	4,283.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,078.53	1/2	3,381.92	1/2	3,685.31	1/2	3,988.69	1/2	4,288.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,084.85	3/4	3,388.24	3/4	3,691.63	3/4	3,995.01	3/4	4,294.39	3/4		3/4		3/4		3/4		3/4	
2	3,091.17	2	3,394.56	2	3,697.95	2	4,001.33	2	4,300.02	2		2		2		2		2	
1/4	3,097.49	1/4	3,400.88	1/4	3,704.27	1/4	4,007.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,103.81	1/2	3,407.20	1/2	3,710.59	1/2	4,013.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,110.13	3/4	3,413.52	3/4	3,716.91	3/4	4,020.29	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,116.45	3	3,419.85	3	3,723.23	3	4,026.61	3		3		3		3		3		3	
1/4	3,122.77	1/4	3,426.17	1/4	3,729.55	1/4	4,032.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,129.09	1/2	3,432.49	1/2	3,735.87	1/2	4,039.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,135.42	3/4	3,438.81	3/4	3,742.19	3/4	4,045.57	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,141.74	4	3,445.13	4	3,748.51	4	4,051.90	4		4		4		4		4		4	
1/4	3,148.06	1/4	3,451.45	1/4	3,754.83	1/4	4,058.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,154.38	1/2	3,457.77	1/2	3,761.15	1/2	4,064.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,160.70	3/4	3,464.09	3/4	3,767.47	3/4	4,070.86	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,167.02	5	3,470.41	5	3,773.79	5	4,077.18	5		5		5		5		5		5	
1/4	3,173.34	1/4	3,476.73	1/4	3,780.11	1/4	4,083.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,179.66	1/2	3,483.05	1/2	3,786.43	1/2	4,089.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,185.98	3/4	3,489.37	3/4	3,792.75	3/4	4,096.14	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,192.30	6	3,495.69	6	3,799.08	6	4,102.46	6		6		6		6		6		6	
1/4	3,198.62	1/4	3,502.01	1/4	3,805.40	1/4	4,108.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,204.94	1/2	3,508.33	1/2	3,811.72	1/2	4,114.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,211.26	3/4	3,514.65	3/4	3,818.04	3/4	4,121.23	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,217.59	7	3,520.97	7	3,824.36	7	4,127.49	7		7		7		7		7		7	
1/4	3,223.91	1/4	3,527.29	1/4	3,830.68	1/4	4,133.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,230.23	1/2	3,533.61	1/2	3,837.00	1/2	4,140.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,236.55	3/4	3,539.93	3/4	3,843.32	3/4	4,146.26	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,242.87	8	3,546.26	8	3,849.64	8	4,152.52	8		8		8		8		8		8	
1/4	3,249.19	1/4	3,552.58	1/4	3,855.96	1/4	4,158.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,255.51	1/2	3,558.90	1/2	3,862.28	1/2	4,165.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,261.83	3/4	3,565.22	3/4	3,868.60	3/4	4,171.29	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,268.15	9	3,571.54	9	3,874.92	9	4,177.55	9		9		9		9		9		9	
1/4	3,274.47	1/4	3,577.86	1/4	3,881.24	1/4	4,183.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,280.79	1/2	3,584.18	1/2	3,887.56	1/2	4,190.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,287.11	3/4	3,590.50	3/4	3,893.88	3/4	4,196.32	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,293.44	10	3,596.82	10	3,900.20	10	4,202.58	10		10		10		10		10		10	
1/4	3,299.76	1/4	3,603.14	1/4	3,906.52	1/4	4,208.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,306.08	1/2	3,609.46	1/2	3,912.84	1/2	4,215.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,312.40	3/4	3,615.78	3/4	3,919.16	3/4	4,221.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,318.72	11	3,622.10	11	3,925.49	11	4,227.61	11		11		11		11		11		11	
1/4	3,325.04	1/4	3,628.42	1/4	3,931.81	1/4	4,233.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,331.36	1/2	3,634.74	1/2	3,938.13	1/2	4,240.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,337.68	3/4	3,641.06	3/4	3,944.45	3/4	4,246.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

4 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	17.09	0	227.54	0	445.65	0	656.49	0	872.03	0	1,087.46	0	1,305.26	0	1,522.78	0	1,740.09	0	1,957.40	0	
1/4	20.27	1/4	232.08	1/4	450.20	1/4	660.84	1/4	876.57	1/4	1,091.99	1/4	1,309.80	1/4	1,527.30	1/4	1,744.61	1/4	1,961.88	1/4	
1/2	23.44	1/2	236.63	1/2	454.74	1/2	665.19	1/2	881.10	1/2	1,096.52	1/2	1,314.34	1/2	1,531.83	1/2	1,749.14	1/2	1,966.36	1/2	
3/4	26.62	3/4	241.17	3/4	459.28	3/4	669.53	3/4	885.64	3/4	1,101.05	3/4	1,318.88	3/4	1,536.36	3/4	1,753.67	3/4	1,970.84	3/4	
1	29.80	1	245.72	1	463.83	1	673.88	1	890.17	1	1,105.59	1	1,323.42	1	1,540.88	1	1,758.19	1	1,975.33	1	
1/4	33.88	1/4	250.26	1/4	468.37	1/4	678.24	1/4	894.70	1/4	1,110.12	1/4	1,327.96	1/4	1,545.41	1/4	1,762.72	1/4	1,979.81	1/4	
1/2	37.95	1/2	254.80	1/2	472.92	1/2	682.60	1/2	899.24	1/2	1,114.65	1/2	1,332.50	1/2	1,549.94	1/2	1,767.25	1/2	1,984.29	1/2	
3/4	42.03	3/4	259.35	3/4	477.46	3/4	686.97	3/4	903.77	3/4	1,119.19	3/4	1,337.04	3/4	1,554.47	3/4	1,771.78	3/4	1,988.77	3/4	
2	46.10	2	263.89	2	482.00	2	691.33	2	908.31	2	1,123.72	2	1,341.58	2	1,558.99	2	1,776.30	2	1,993.25	2	
1/4	50.61	1/4	268.44	1/4	486.55	1/4	695.69	1/4	912.84	1/4	1,128.25	1/4	1,346.12	1/4	1,563.52	1/4	1,780.83	1/4	1,997.74	1/4	
1/2	55.12	1/2	272.98	1/2	491.09	1/2	700.05	1/2	917.38	1/2	1,132.78	1/2	1,350.66	1/2	1,568.05	1/2	1,785.36	1/2	2,002.22	1/2	
3/4	59.63	3/4	277.52	3/4	495.64	3/4	704.42	3/4	921.91	3/4	1,137.32	3/4	1,355.20	3/4	1,572.58	3/4	1,789.89	3/4	2,006.70	3/4	
3	64.14	3	282.07	3	500.18	3	708.78	3	926.45	3	1,141.85	3	1,359.74	3	1,577.10	3	1,794.41	3	2,011.18	3	
1/4	68.67	1/4	286.61	1/4	504.52	1/4	713.31	1/4	930.98	1/4	1,146.38	1/4	1,364.28	1/4	1,581.63	1/4	1,798.94	1/4	2,015.67	1/4	
1/2	73.20	1/2	291.16	1/2	508.87	1/2	717.85	1/2	935.52	1/2	1,150.92	1/2	1,368.82	1/2	1,586.16	1/2	1,803.47	1/2	2,020.15	1/2	
3/4	77.72	3/4	295.70	3/4	513.21	3/4	722.38	3/4	940.05	3/4	1,155.45	3/4	1,373.36	3/4	1,590.68	3/4	1,807.99	3/4	2,024.63	3/4	
4	82.25	4	300.24	4	517.55	4	726.92	4	944.59	4	1,159.98	4	1,377.90	4	1,595.21	4	1,812.52	4	2,029.11	4	
1/4	86.78	1/4	304.79	1/4	521.90	1/4	731.45	1/4	949.08	1/4	1,164.52	1/4	1,382.43	1/4	1,599.74	1/4	1,817.05	1/4	2,033.60	1/4	
1/2	91.31	1/2	309.33	1/2	526.24	1/2	735.99	1/2	953.58	1/2	1,169.06	1/2	1,386.96	1/2	1,604.27	1/2	1,821.58	1/2	2,038.08	1/2	
3/4	95.84	3/4	313.88	3/4	530.58	3/4	740.52	3/4	958.08	3/4	1,173.60	3/4	1,391.48	3/4	1,608.79	3/4	1,826.10	3/4	2,042.56	3/4	
5	100.37	5	318.42	5	534.93	5	745.06	5	962.58	5	1,178.14	5	1,396.01	5	1,613.32	5	1,830.63	5	2,047.04	5	
1/4	104.91	1/4	322.96	1/4	539.27	1/4	749.59	1/4	967.07	1/4	1,182.68	1/4	1,400.54	1/4	1,617.85	1/4	1,835.16	1/4	2,051.52	1/4	
1/2	109.44	1/2	327.51	1/2	543.61	1/2	754.13	1/2	971.57	1/2	1,187.22	1/2	1,405.07	1/2	1,622.38	1/2	1,839.69	1/2	2,055.99	1/2	
3/4	113.97	3/4	332.05	3/4	547.95	3/4	758.66	3/4	976.07	3/4	1,191.76	3/4	1,409.59	3/4	1,626.90	3/4	1,844.21	3/4	2,060.47	3/4	
6	118.50	6	336.60	6	552.29	6	763.20	6	980.56	6	1,196.30	6	1,414.12	6	1,631.43	6	1,848.74	6	2,064.94	6	
1/4	123.04	1/4	341.14	1/4	556.63	1/4	767.73	1/4	985.06	1/4	1,200.84	1/4	1,418.65	1/4	1,635.96	1/4	1,853.27	1/4	2,069.41	1/4	
1/2	127.59	1/2	345.68	1/2	560.97	1/2	772.27	1/2	989.56	1/2	1,205.38	1/2	1,423.17	1/2	1,640.48	1/2	1,857.80	1/2	2,073.87	1/2	
3/4	132.13	3/4	350.23	3/4	565.31	3/4	776.80	3/4	994.05	3/4	1,209.92	3/4	1,427.70	3/4	1,645.01	3/4	1,862.32	3/4	2,078.33	3/4	
7	136.67	7	354.77	7	569.65	7	781.33	7	998.55	7	1,214.46	7	1,432.23	7	1,649.54	7	1,866.85	7	2,082.79	7	
1/4	141.21	1/4	359.32	1/4	574.00	1/4	785.87	1/4	1,002.98	1/4	1,219.00	1/4	1,436.76	1/4	1,654.07	1/4	1,871.38	1/4	2,086.83	1/4	
1/2	145.76	1/2	363.86	1/2	578.34	1/2	790.40	1/2	1,007.42	1/2	1,223.54	1/2	1,441.28	1/2	1,658.59	1/2	1,875.90	1/2	2,090.87	1/2	
3/4	150.30	3/4	368.40	3/4	582.68	3/4	794.94	3/4	1,011.85	3/4	1,228.08	3/4	1,445.81	3/4	1,663.12	3/4	1,880.43	3/4	2,094.91	3/4	
8	154.84	8	372.95	8	587.02	8	799.47	8	1,016.28	8	1,232.62	8	1,450.34	8	1,667.65	8	1,884.96	8	2,098.95	8	
1/4	159.38	1/4	377.49	1/4	591.36	1/4	804.01	1/4	1,020.71	1/4	1,237.16	1/4	1,454.87	1/4	1,672.18	1/4	1,889.49	1/4	2,102.08	1/4	
1/2	163.93	1/2	382.04	1/2	595.70	1/2	808.54	1/2	1,025.15	1/2	1,241.70	1/2	1,459.39	1/2	1,676.70	1/2	1,894.01	1/2		1/2	
3/4	168.47	3/4	386.58	3/4	600.04	3/4	813.08	3/4	1,029.58	3/4	1,246.24	3/4	1,463.92	3/4	1,681.23	3/4	1,898.54	3/4		3/4	
9	173.01	9	391.12	9	604.38	9	817.61	9	1,034.01	9	1,250.78	9	1,468.45	9	1,685.76	9	1,903.07	9		9	
1/4	177.56	1/4	395.67	1/4	608.72	1/4	822.15	1/4	1,038.44	1/4	1,255.32	1/4	1,472.97	1/4	1,690.29	1/4	1,907.60	1/4		1/4	
1/2	182.10	1/2	400.21	1/2	613.06	1/2	826.68	1/2	1,042.87	1/2	1,259.86	1/2	1,477.50	1/2	1,694.81	1/2	1,912.12	1/2		1/2	
3/4	186.64	3/4	404.76	3/4	617.40	3/4	831.22	3/4	1,047.31	3/4	1,264.40	3/4	1,482.03	3/4	1,699.34	3/4	1,916.65	3/4		3/4	
10	191.19	10	409.30	10	621.75	10	835.75	10	1,051.74	10	1,268.94	10	1,486.56	10	1,703.87	10	1,921.18	10		10	
1/4	195.73	1/4	413.84	1/4	626.09	1/4	840.29	1/4	1,056.17	1/4	1,273.48	1/4	1,491.08	1/4	1,708.39	1/4	1,925.70	1/4		1/4	
1/2	200.28	1/2	418.39	1/2	630.43	1/2	844.82	1/2	1,060.60	1/2	1,278.02	1/2	1,495.61	1/2	1,712.92	1/2	1,930.23	1/2		1/2	
3/4	204.82	3/4	422.93	3/4	634.77	3/4	849.36	3/4	1,065.04	3/4	1,282.56	3/4	1,500.14	3/4	1,717.45	3/4	1,934.76	3/4		3/4	
11	209.36	11	427.48	11	639.11	11	853.89	11	1,069.47	11	1,287.10	11	1,504.67	11	1,721.98	11	1,939.29	11		11	
1/4	213.91	1/4	432.02	1/4	643.46	1/4	858.43	1/4	1,073.96	1/4	1,291.64	1/4	1,509.19	1/4	1,726.50	1/4	1,943.81	1/4		1/4	
1/2	218.45	1/2	436.56	1/2	647.80	1/2	862.96	1/2	1,078.46	1/2	1,296.18	1/2	1,513.72	1/2	1,731.03	1/2	1,948.34	1/2		1/2	
3/4	223.00	3/4	441.11	3/4	652.15	3/4	867.50	3/4	1,082.96	3/4	1,300.72	3/4	1,518.25	3/4	1,735.56	3/4	1,952.87	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

4 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	17.09	0	228.08	0	446.75	0	664.68	0	883.30	0	1,100.95	0	1,319.61	0	1,537.87	0	1,755.92	0	1,973.98	0	
1/4	20.27	1/4	232.63	1/4	451.31	1/4	669.22	1/4	887.86	1/4	1,105.50	1/4	1,324.16	1/4	1,542.41	1/4	1,760.46	1/4	1,978.47	1/4	
1/2	23.44	1/2	237.19	1/2	455.86	1/2	673.76	1/2	892.42	1/2	1,110.06	1/2	1,328.72	1/2	1,546.95	1/2	1,765.01	1/2	1,982.97	1/2	
3/4	26.62	3/4	241.75	3/4	460.42	3/4	678.30	3/4	896.97	3/4	1,114.61	3/4	1,333.28	3/4	1,551.50	3/4	1,769.55	3/4	1,987.47	3/4	
1	29.80	1	246.30	1	464.97	1	682.84	1	901.53	1	1,119.17	1	1,337.83	1	1,556.04	1	1,774.09	1	1,991.97	1	
1/4	33.89	1/4	250.86	1/4	469.53	1/4	687.40	1/4	906.08	1/4	1,123.72	1/4	1,342.39	1/4	1,560.58	1/4	1,778.64	1/4	1,996.46	1/4	
1/2	37.98	1/2	255.41	1/2	474.09	1/2	691.96	1/2	910.64	1/2	1,128.28	1/2	1,346.94	1/2	1,565.12	1/2	1,783.18	1/2	2,000.96	1/2	
3/4	42.06	3/4	259.97	3/4	478.64	3/4	696.51	3/4	915.19	3/4	1,132.83	3/4	1,351.50	3/4	1,569.67	3/4	1,787.72	3/4	2,005.46	3/4	
2	46.15	2	264.52	2	483.20	2	701.07	2	919.75	2	1,137.39	2	1,356.05	2	1,574.21	2	1,792.26	2	2,009.96	2	
1/4	50.67	1/4	269.08	1/4	487.75	1/4	705.62	1/4	924.31	1/4	1,141.94	1/4	1,360.61	1/4	1,578.75	1/4	1,796.81	1/4	2,014.45	1/4	
1/2	55.19	1/2	273.64	1/2	492.31	1/2	710.18	1/2	928.86	1/2	1,146.50	1/2	1,365.16	1/2	1,583.29	1/2	1,801.35	1/2	2,018.95	1/2	
3/4	59.72	3/4	278.19	3/4	496.86	3/4	714.74	3/4	933.42	3/4	1,151.06	3/4	1,369.72	3/4	1,587.84	3/4	1,805.89	3/4	2,023.45	3/4	
3	64.24	3	282.75	3	501.42	3	719.29	3	937.97	3	1,155.61	3	1,374.28	3	1,592.38	3	1,810.43	3	2,027.95	3	
1/4	68.78	1/4	287.30	1/4	505.95	1/4	723.85	1/4	942.53	1/4	1,160.17	1/4	1,378.83	1/4	1,596.92	1/4	1,814.98	1/4	2,032.44	1/4	
1/2	73.31	1/2	291.86	1/2	510.49	1/2	728.40	1/2	947.09	1/2	1,164.72	1/2	1,383.39	1/2	1,601.47	1/2	1,819.52	1/2	2,036.94	1/2	
3/4	77.85	3/4	296.41	3/4	515.02	3/4	732.96	3/4	951.64	3/4	1,169.28	3/4	1,387.94	3/4	1,606.01	3/4	1,824.06	3/4	2,041.44	3/4	
4	82.39	4	300.97	4	519.56	4	737.51	4	956.20	4	1,173.83	4	1,392.50	4	1,610.55	4	1,828.61	4	2,045.94	4	
1/4	86.93	1/4	305.52	1/4	524.09	1/4	742.07	1/4	960.75	1/4	1,178.39	1/4	1,397.04	1/4	1,615.09	1/4	1,833.15	1/4	2,050.43	1/4	
1/2	91.47	1/2	310.08	1/2	528.63	1/2	746.63	1/2	965.31	1/2	1,182.94	1/2	1,401.58	1/2	1,619.64	1/2	1,837.69	1/2	2,054.93	1/2	
3/4	96.02	3/4	314.64	3/4	533.16	3/4	751.18	3/4	969.87	3/4	1,187.50	3/4	1,406.13	3/4	1,624.18	3/4	1,842.23	3/4	2,059.43	3/4	
5	100.56	5	319.19	5	537.70	5	755.74	5	974.42	5	1,192.06	5	1,410.67	5	1,628.72	5	1,846.78	5	2,063.92	5	
1/4	105.11	1/4	323.75	1/4	542.23	1/4	760.29	1/4	978.98	1/4	1,196.61	1/4	1,415.21	1/4	1,633.27	1/4	1,851.32	1/4	2,068.41	1/4	
1/2	109.65	1/2	328.30	1/2	546.77	1/2	764.85	1/2	983.53	1/2	1,201.17	1/2	1,419.75	1/2	1,637.81	1/2	1,855.86	1/2	2,072.90	1/2	
3/4	114.20	3/4	332.86	3/4	551.30	3/4	769.41	3/4	988.09	3/4	1,205.72	3/4	1,424.30	3/4	1,642.35	3/4	1,860.41	3/4	2,077.40	3/4	
6	118.74	6	337.41	6	555.83	6	773.96	6	992.65	6	1,210.28	6	1,428.84	6	1,646.89	6	1,864.95	6	2,081.89	6	
1/4	123.30	1/4	341.97	1/4	560.37	1/4	778.52	1/4	997.20	1/4	1,214.83	1/4	1,433.38	1/4	1,651.44	1/4	1,869.49	1/4	2,086.36	1/4	
1/2	127.85	1/2	346.53	1/2	564.90	1/2	783.07	1/2	1,001.76	1/2	1,219.39	1/2	1,437.93	1/2	1,655.98	1/2	1,874.03	1/2	2,090.84	1/2	
3/4	132.41	3/4	351.08	3/4	569.44	3/4	787.63	3/4	1,006.31	3/4	1,223.94	3/4	1,442.47	3/4	1,660.52	3/4	1,878.58	3/4	2,095.31	3/4	
7	136.96	7	355.64	7	573.97	7	792.19	7	1,010.87	7	1,228.50	7	1,447.01	7	1,665.07	7	1,883.12	7	2,099.79	7	
1/4	141.52	1/4	360.19	1/4	578.51	1/4	796.74	1/4	1,015.36	1/4	1,233.05	1/4	1,451.55	1/4	1,669.61	1/4	1,887.66	1/4	2,103.83	1/4	
1/2	146.08	1/2	364.75	1/2	583.04	1/2	801.30	1/2	1,019.85	1/2	1,237.61	1/2	1,456.10	1/2	1,674.15	1/2	1,892.21	1/2	2,107.87	1/2	
3/4	150.63	3/4	369.30	3/4	587.58	3/4	805.85	3/4	1,024.34	3/4	1,242.17	3/4	1,460.64	3/4	1,678.69	3/4	1,896.75	3/4	2,111.91	3/4	
8	155.19	8	373.86	8	592.11	8	810.41	8	1,028.83	8	1,246.72	8	1,465.18	8	1,683.24	8	1,901.29	8	2,115.96	8	
1/4	159.74	1/4	378.42	1/4	596.64	1/4	814.97	1/4	1,033.32	1/4	1,251.28	1/4	1,469.72	1/4	1,687.78	1/4	1,905.83	1/4	2,119.09	1/4	
1/2	164.30	1/2	382.97	1/2	601.18	1/2	819.52	1/2	1,037.81	1/2	1,255.83	1/2	1,474.27	1/2	1,692.32	1/2	1,910.38	1/2		1/2	
3/4	168.85	3/4	387.53	3/4	605.71	3/4	824.08	3/4	1,042.31	3/4	1,260.39	3/4	1,478.81	3/4	1,696.86	3/4	1,914.92	3/4		3/4	
9	173.41	9	392.08	9	610.25	9	828.63	9	1,046.80	9	1,264.94	9	1,483.35	9	1,701.41	9	1,919.46	9		9	
1/4	177.97	1/4	396.64	1/4	614.78	1/4	833.19	1/4	1,051.29	1/4	1,269.50	1/4	1,487.90	1/4	1,705.95	1/4	1,924.00	1/4		1/4	
1/2	182.52	1/2	401.19	1/2	619.32	1/2	837.74	1/2	1,055.78	1/2	1,274.05	1/2	1,492.44	1/2	1,710.49	1/2	1,928.55	1/2		1/2	
3/4	187.08	3/4	405.75	3/4	623.85	3/4	842.30	3/4	1,060.27	3/4	1,278.61	3/4	1,496.98	3/4	1,715.04	3/4	1,933.09	3/4		3/4	
10	191.63	10	410.31	10	628.39	10	846.86	10	1,064.76	10	1,283.17	10	1,501.52	10	1,719.58	10	1,937.63	10		10	
1/4	196.19	1/4	414.86	1/4	632.92	1/4	851.41	1/4	1,069.25	1/4	1,287.72	1/4	1,506.07	1/4	1,724.12	1/4	1,942.18	1/4		1/4	
1/2	200.74	1/2	419.42	1/2	637.46	1/2	855.97	1/2	1,073.74	1/2	1,292.28	1/2	1,510.61	1/2	1,728.66	1/2	1,946.72	1/2		1/2	
3/4	205.30	3/4	423.97	3/4	641.99	3/4	860.52	3/4	1,078.23	3/4	1,296.83	3/4	1,515.15	3/4	1,733.21	3/4	1,951.26	3/4		3/4	
11	209.86	11	428.53	11	646.52	11	865.08	11	1,082.72	11	1,301.39	11	1,519.70	11	1,737.75	11	1,955.80	11		11	
1/4	214.41	1/4	433.08	1/4	651.06	1/4	869.64	1/4	1,087.28	1/4	1,305.94	1/4	1,524.24	1/4	1,742.29	1/4	1,960.35	1/4		1/4	
1/2	218.97	1/2	437.64	1/2	655.60	1/2	874.19	1/2	1,091.83	1/2	1,310.50	1/2	1,528.78	1/2	1,746.84	1/2	1,964.89	1/2		1/2	
3/4	223.52	3/4	442.20	3/4	660.14	3/4	878.75	3/4	1,096.39	3/4	1,315.05	3/4	1,533.32	3/4	1,751.38	3/4	1,969.43	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

PORT FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	640	0	1,513	0	2,432	0	3,268	0		0		0		0		0	
1/4	8	1/4	657	1/4	1,532	1/4	2,451	1/4	3,283	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	673	1/2	1,551	1/2	2,470	1/2	3,299	1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	690	3/4	1,570	3/4	2,488	3/4	3,314	3/4		3/4		3/4		3/4		3/4	
1	31	1	707	1	1,589	1	2,507	1	3,329	1		1		1		1		1	
1/4	41	1/4	724	1/4	1,609	1/4	2,526	1/4	3,344	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	742	1/2	1,628	1/2	2,544	1/2	3,358	1/2		1/2		1/2		1/2		1/2	
3/4	61	3/4	759	3/4	1,647	3/4	2,563	3/4	3,373	3/4		3/4		3/4		3/4		3/4	
2	70	2	776	2	1,666	2	2,581	2	3,388	2		2		2		2		2	
1/4	81	1/4	794	1/4	1,685	1/4	2,600	1/4	3,402	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	811	1/2	1,705	1/2	2,618	1/2	3,416	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	829	3/4	1,724	3/4	2,636	3/4	3,430	3/4		3/4		3/4		3/4		3/4	
3	115	3	846	3	1,743	3	2,655	3	3,444	3		3		3		3		3	
1/4	127	1/4	864	1/4	1,763	1/4	2,673	1/4	3,457	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	882	1/2	1,782	1/2	2,691	1/2	3,471	1/2		1/2		1/2		1/2		1/2	
3/4	151	3/4	899	3/4	1,801	3/4	2,709	3/4	3,484	3/4		3/4		3/4		3/4		3/4	
4	163	4	917	4	1,820	4	2,727	4	3,497	4		4		4		4		4	
1/4	176	1/4	935	1/4	1,840	1/4	2,745	1/4	3,510	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	953	1/2	1,859	1/2	2,763	1/2	3,523	1/2		1/2		1/2		1/2		1/2	
3/4	201	3/4	971	3/4	1,878	3/4	2,781	3/4	3,535	3/4		3/4		3/4		3/4		3/4	
5	214	5	989	5	1,897	5	2,799	5	3,548	5		5		5		5		5	
1/4	228	1/4	1,007	1/4	1,917	1/4	2,817	1/4	3,560	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,026	1/2	1,936	1/2	2,835	1/2	3,572	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,044	3/4	1,955	3/4	2,852	3/4	3,584	3/4		3/4		3/4		3/4		3/4	
6	269	6	1,062	6	1,975	6	2,870	6	3,595	6		6		6		6		6	
1/4	283	1/4	1,081	1/4	1,994	1/4	2,887	1/4	3,606	1/4		1/4		1/4		1/4		1/4	
1/2	297	1/2	1,099	1/2	2,013	1/2	2,905	1/2	3,617	1/2		1/2		1/2		1/2		1/2	
3/4	311	3/4	1,117	3/4	2,032	3/4	2,922	3/4	3,628	3/4		3/4		3/4		3/4		3/4	
7	325	7	1,136	7	2,052	7	2,940	7	3,639	7		7		7		7		7	
1/4	340	1/4	1,154	1/4	2,071	1/4	2,957	1/4	3,648	1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	1,173	1/2	2,090	1/2	2,974	1/2	3,657	1/2		1/2		1/2		1/2		1/2	
3/4	370	3/4	1,192	3/4	2,109	3/4	2,991	3/4	3,667	3/4		3/4		3/4		3/4		3/4	
8	385	8	1,210	8	2,128	8	3,008	8	3,676	8		8		8		8		8	
1/4	400	1/4	1,229	1/4	2,148	1/4	3,025	1/4	3,684	1/4		1/4		1/4		1/4		1/4	
1/2	415	1/2	1,248	1/2	2,167	1/2	3,042	1/2	3,691	1/2		1/2		1/2		1/2		1/2	
3/4	431	3/4	1,266	3/4	2,186	3/4	3,059	3/4	3,699	3/4		3/4		3/4		3/4		3/4	
9	446	9	1,285	9	2,205	9	3,076	9		9		9		9		9		9	
1/4	462	1/4	1,304	1/4	2,224	1/4	3,092	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	477	1/2	1,323	1/2	2,243	1/2	3,108	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	493	3/4	1,342	3/4	2,262	3/4	3,125	3/4		3/4		3/4		3/4		3/4		3/4	
10	509	10	1,361	10	2,281	10	3,141	10		10		10		10		10		10	
1/4	525	1/4	1,380	1/4	2,300	1/4	3,157	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	541	1/2	1,398	1/2	2,319	1/2	3,174	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	557	3/4	1,417	3/4	2,338	3/4	3,190	3/4		3/4		3/4		3/4		3/4		3/4	
11	573	11	1,436	11	2,357	11	3,206	11		11		11		11		11		11	
1/4	590	1/4	1,456	1/4	2,376	1/4	3,221	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	607	1/2	1,475	1/2	2,395	1/2	3,237	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	623	3/4	1,494	3/4	2,413	3/4	3,253	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 03/12/2015 CL
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

STBD
FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	640	0	1,513	0	2,432	0	3,268	0		0		0		0		0	
1/4	8	1/4	657	1/4	1,532	1/4	2,451	1/4	3,283	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	673	1/2	1,551	1/2	2,470	1/2	3,299	1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	690	3/4	1,570	3/4	2,488	3/4	3,314	3/4		3/4		3/4		3/4		3/4	
1	31	1	707	1	1,589	1	2,507	1	3,329	1		1		1		1		1	
1/4	41	1/4	724	1/4	1,609	1/4	2,526	1/4	3,344	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	742	1/2	1,628	1/2	2,544	1/2	3,358	1/2		1/2		1/2		1/2		1/2	
3/4	61	3/4	759	3/4	1,647	3/4	2,563	3/4	3,373	3/4		3/4		3/4		3/4		3/4	
2	70	2	776	2	1,666	2	2,581	2	3,388	2		2		2		2		2	
1/4	81	1/4	794	1/4	1,685	1/4	2,600	1/4	3,402	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	811	1/2	1,705	1/2	2,618	1/2	3,416	1/2		1/2		1/2		1/2		1/2	
3/4	104	3/4	829	3/4	1,724	3/4	2,636	3/4	3,430	3/4		3/4		3/4		3/4		3/4	
3	115	3	846	3	1,743	3	2,655	3	3,444	3		3		3		3		3	
1/4	127	1/4	864	1/4	1,763	1/4	2,673	1/4	3,457	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	882	1/2	1,782	1/2	2,691	1/2	3,471	1/2		1/2		1/2		1/2		1/2	
3/4	151	3/4	899	3/4	1,801	3/4	2,709	3/4	3,484	3/4		3/4		3/4		3/4		3/4	
4	163	4	917	4	1,820	4	2,727	4	3,497	4		4		4		4		4	
1/4	176	1/4	935	1/4	1,840	1/4	2,745	1/4	3,510	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	953	1/2	1,859	1/2	2,763	1/2	3,523	1/2		1/2		1/2		1/2		1/2	
3/4	201	3/4	971	3/4	1,878	3/4	2,781	3/4	3,535	3/4		3/4		3/4		3/4		3/4	
5	214	5	989	5	1,897	5	2,799	5	3,548	5		5		5		5		5	
1/4	228	1/4	1,007	1/4	1,917	1/4	2,817	1/4	3,560	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,026	1/2	1,936	1/2	2,835	1/2	3,572	1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,044	3/4	1,955	3/4	2,852	3/4	3,584	3/4		3/4		3/4		3/4		3/4	
6	269	6	1,062	6	1,975	6	2,870	6	3,595	6		6		6		6		6	
1/4	283	1/4	1,081	1/4	1,994	1/4	2,887	1/4	3,606	1/4		1/4		1/4		1/4		1/4	
1/2	297	1/2	1,099	1/2	2,013	1/2	2,905	1/2	3,617	1/2		1/2		1/2		1/2		1/2	
3/4	311	3/4	1,117	3/4	2,032	3/4	2,922	3/4	3,628	3/4		3/4		3/4		3/4		3/4	
7	325	7	1,136	7	2,052	7	2,940	7	3,639	7		7		7		7		7	
1/4	340	1/4	1,154	1/4	2,071	1/4	2,957	1/4	3,648	1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	1,173	1/2	2,090	1/2	2,974	1/2	3,657	1/2		1/2		1/2		1/2		1/2	
3/4	370	3/4	1,192	3/4	2,109	3/4	2,991	3/4	3,667	3/4		3/4		3/4		3/4		3/4	
8	385	8	1,210	8	2,128	8	3,008	8	3,676	8		8		8		8		8	
1/4	400	1/4	1,229	1/4	2,148	1/4	3,025	1/4	3,684	1/4		1/4		1/4		1/4		1/4	
1/2	415	1/2	1,248	1/2	2,167	1/2	3,042	1/2	3,691	1/2		1/2		1/2		1/2		1/2	
3/4	431	3/4	1,266	3/4	2,186	3/4	3,059	3/4	3,699	3/4		3/4		3/4		3/4		3/4	
9	446	9	1,285	9	2,205	9	3,076	9		9		9		9		9		9	
1/4	462	1/4	1,304	1/4	2,224	1/4	3,092	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	477	1/2	1,323	1/2	2,243	1/2	3,108	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	493	3/4	1,342	3/4	2,262	3/4	3,125	3/4		3/4		3/4		3/4		3/4		3/4	
10	509	10	1,361	10	2,281	10	3,141	10		10		10		10		10		10	
1/4	525	1/4	1,380	1/4	2,300	1/4	3,157	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	541	1/2	1,398	1/2	2,319	1/2	3,174	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	557	3/4	1,417	3/4	2,338	3/4	3,190	3/4		3/4		3/4		3/4		3/4		3/4	
11	573	11	1,436	11	2,357	11	3,206	11		11		11		11		11		11	
1/4	590	1/4	1,456	1/4	2,376	1/4	3,221	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	607	1/2	1,475	1/2	2,395	1/2	3,237	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	623	3/4	1,494	3/4	2,413	3/4	3,253	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 03/12/2015 CL
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

INNAGE TRIM TABLE
8" HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-4/8	00-4/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-4/8	00-4/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
4 PORT	- 01-1/4	01-1/4	- 02-3/8	02-3/8	- 03-5/8	03-5/8	- 04-6/8	04-6/8	- 06-0/8	06-0/8	- 07-1/8	07-1/8
4 STBD	- 01-1/4	01-1/4	- 02-3/8	02-3/8	- 03-5/8	03-5/8	- 04-6/8	04-6/8	- 06-0/8	06-0/8	- 07-1/8	07-1/8

(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)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 12, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "MM 304"

ULLAGE TRIM TABLE
HERMETIC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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
1 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
2 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	- 00-1/8	00-1/8
2 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
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
4 PORT	01-1/8	- 01-1/8	02-1/4	- 02-1/4	03-3/8	- 03-3/8	04-1/2	- 04-1/2	05-3/4	- 05-3/4	06-7/8	- 06-7/8
4 STBD	01-1/8	- 01-1/8	02-1/4	- 02-1/4	03-3/8	- 03-3/8	04-1/2	- 04-1/2	05-3/4	- 05-3/4	06-7/8	- 06-7/8

(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)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS - 02-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-09 3/4"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 12, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

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BARGE "MM 304"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	3,441.15	0	3,196.16	0	2,948.46	0	2,700.76	0	2,453.06	0	2,205.37	0	1,957.67	0	1,709.97	0	1,462.27
1/4		1/4	3,436.55	1/4	3,191.00	1/4	2,943.30	1/4	2,695.60	1/4	2,447.90	1/4	2,200.21	1/4	1,952.51	1/4	1,704.81	1/4	1,457.11
1/2		1/2	3,431.96	1/2	3,185.84	1/2	2,938.14	1/2	2,690.44	1/2	2,442.74	1/2	2,195.04	1/2	1,947.35	1/2	1,699.65	1/2	1,451.95
3/4		3/4	3,426.88	3/4	3,180.68	3/4	2,932.98	3/4	2,685.28	3/4	2,437.58	3/4	2,189.88	3/4	1,942.19	3/4	1,694.49	3/4	1,446.79
1		1	3,421.79	1	3,175.52	1	2,927.82	1	2,680.12	1	2,432.42	1	2,184.72	1	1,937.02	1	1,689.33	1	1,441.63
1/4		1/4	3,416.71	1/4	3,170.36	1/4	2,922.66	1/4	2,674.96	1/4	2,427.26	1/4	2,179.56	1/4	1,931.86	1/4	1,684.17	1/4	1,436.47
1/2		1/2	3,411.63	1/2	3,165.20	1/2	2,917.50	1/2	2,669.80	1/2	2,422.10	1/2	2,174.40	1/2	1,926.70	1/2	1,679.00	1/2	1,431.31
3/4		3/4	3,406.52	3/4	3,160.04	3/4	2,912.34	3/4	2,664.64	3/4	2,416.94	3/4	2,169.24	3/4	1,921.54	3/4	1,673.84	3/4	1,426.15
2		2	3,401.42	2	3,154.88	2	2,907.18	2	2,659.48	2	2,411.78	2	2,164.08	2	1,916.38	2	1,668.68	2	1,420.98
1/4		1/4	3,396.32	1/4	3,149.72	1/4	2,902.02	1/4	2,654.32	1/4	2,406.62	1/4	2,158.92	1/4	1,911.22	1/4	1,663.52	1/4	1,415.82
1/2		1/2	3,391.22	1/2	3,144.56	1/2	2,896.86	1/2	2,649.16	1/2	2,401.46	1/2	2,153.76	1/2	1,906.06	1/2	1,658.36	1/2	1,410.66
3/4		3/4	3,386.11	3/4	3,139.40	3/4	2,891.70	3/4	2,644.00	3/4	2,396.30	3/4	2,148.60	3/4	1,900.90	3/4	1,653.20	3/4	1,405.50
3		3	3,381.00	3	3,134.24	3	2,886.54	3	2,638.84	3	2,391.14	3	2,143.44	3	1,895.74	3	1,648.04	3	1,400.34
1/4		1/4	3,375.89	1/4	3,129.08	1/4	2,881.38	1/4	2,633.68	1/4	2,385.98	1/4	2,138.28	1/4	1,890.58	1/4	1,642.88	1/4	1,395.18
1/2		1/2	3,370.78	1/2	3,123.92	1/2	2,876.22	1/2	2,628.52	1/2	2,380.82	1/2	2,133.12	1/2	1,885.42	1/2	1,637.72	1/2	1,390.02
3/4		3/4	3,365.68	3/4	3,118.76	3/4	2,871.06	3/4	2,623.36	3/4	2,375.66	3/4	2,127.96	3/4	1,880.26	3/4	1,632.56	3/4	1,384.86
4		4	3,360.57	4	3,113.60	4	2,865.90	4	2,618.20	4	2,370.50	4	2,122.80	4	1,875.10	4	1,627.40	4	1,379.70
1/4		1/4	3,355.46	1/4	3,108.44	1/4	2,860.74	1/4	2,613.04	1/4	2,365.34	1/4	2,117.64	1/4	1,869.94	1/4	1,622.24	1/4	1,374.54
1/2		1/2	3,350.35	1/2	3,103.28	1/2	2,855.58	1/2	2,607.88	1/2	2,360.18	1/2	2,112.48	1/2	1,864.78	1/2	1,617.08	1/2	1,369.38
3/4		3/4	3,345.24	3/4	3,098.11	3/4	2,850.42	3/4	2,602.72	3/4	2,355.02	3/4	2,107.32	3/4	1,859.62	3/4	1,611.92	3/4	1,364.22
5		5	3,340.13	5	3,092.95	5	2,845.26	5	2,597.56	5	2,349.86	5	2,102.16	5	1,854.46	5	1,606.76	5	1,359.06
1/4		1/4	3,335.03	1/4	3,087.79	1/4	2,840.09	1/4	2,592.40	1/4	2,344.70	1/4	2,097.00	1/4	1,849.30	1/4	1,601.60	1/4	1,353.90
1/2		1/2	3,329.92	1/2	3,082.63	1/2	2,834.93	1/2	2,587.24	1/2	2,339.54	1/2	2,091.84	1/2	1,844.14	1/2	1,596.44	1/2	1,348.74
3/4		3/4	3,324.81	3/4	3,077.47	3/4	2,829.77	3/4	2,582.07	3/4	2,334.38	3/4	2,086.68	3/4	1,838.98	3/4	1,591.28	3/4	1,343.58
6		6	3,319.70	6	3,072.31	6	2,824.61	6	2,576.91	6	2,329.22	6	2,081.52	6	1,833.82	6	1,586.12	6	1,338.42
1/4		1/4	3,314.59	1/4	3,067.15	1/4	2,819.45	1/4	2,571.75	1/4	2,324.05	1/4	2,076.36	1/4	1,828.66	1/4	1,580.96	1/4	1,333.26
1/2		1/2	3,309.48	1/2	3,061.99	1/2	2,814.29	1/2	2,566.59	1/2	2,318.89	1/2	2,071.20	1/2	1,823.50	1/2	1,575.80	1/2	1,328.10
3/4		3/4	3,304.37	3/4	3,056.83	3/4	2,809.13	3/4	2,561.43	3/4	2,313.73	3/4	2,066.03	3/4	1,818.34	3/4	1,570.64	3/4	1,322.94
7		7	3,299.27	7	3,051.67	7	2,803.97	7	2,556.27	7	2,308.57	7	2,060.87	7	1,813.18	7	1,565.48	7	1,317.78
1/4		1/4	3,294.16	1/4	3,046.51	1/4	2,798.81	1/4	2,551.11	1/4	2,303.41	1/4	2,055.71	1/4	1,808.01	1/4	1,560.32	1/4	1,312.62
1/2		1/2	3,289.05	1/2	3,041.35	1/2	2,793.65	1/2	2,545.95	1/2	2,298.25	1/2	2,050.55	1/2	1,802.85	1/2	1,555.16	1/2	1,307.46
3/4		3/4	3,283.89	3/4	3,036.19	3/4	2,788.49	3/4	2,540.79	3/4	2,293.09	3/4	2,045.39	3/4	1,797.69	3/4	1,549.99	3/4	1,302.30
8		8	3,278.73	8	3,031.03	8	2,783.33	8	2,535.63	8	2,287.93	8	2,040.23	8	1,792.53	8	1,544.83	8	1,297.14
1/4		1/4	3,273.57	1/4	3,025.87	1/4	2,778.17	1/4	2,530.47	1/4	2,282.77	1/4	2,035.07	1/4	1,787.37	1/4	1,539.67	1/4	1,291.97
1/2		1/2	3,268.41	1/2	3,020.71	1/2	2,773.01	1/2	2,525.31	1/2	2,277.61	1/2	2,029.91	1/2	1,782.21	1/2	1,534.51	1/2	1,286.81
3/4		3/4	3,263.25	3/4	3,015.55	3/4	2,767.85	3/4	2,520.15	3/4	2,272.45	3/4	2,024.75	3/4	1,777.05	3/4	1,529.35	3/4	1,281.65
9		9	3,258.09	9	3,010.39	9	2,762.69	9	2,514.99	9	2,267.29	9	2,019.59	9	1,771.89	9	1,524.19	9	1,276.49
1/4		1/4	3,252.93	1/4	3,005.23	1/4	2,757.53	1/4	2,509.83	1/4	2,262.13	1/4	2,014.43	1/4	1,766.73	1/4	1,519.03	1/4	1,271.33
1/2		1/2	3,247.77	1/2	3,000.07	1/2	2,752.37	1/2	2,504.67	1/2	2,256.97	1/2	2,009.27	1/2	1,761.57	1/2	1,513.87	1/2	1,266.17
3/4		3/4	3,242.61	3/4	2,994.91	3/4	2,747.21	3/4	2,499.51	3/4	2,251.81	3/4	2,004.11	3/4	1,756.41	3/4	1,508.71	3/4	1,261.01
10		10	3,237.45	10	2,989.75	10	2,742.05	10	2,494.35	10	2,246.65	10	1,998.95	10	1,751.25	10	1,503.55	10	1,255.85
1/4		1/4	3,232.29	1/4	2,984.59	1/4	2,736.89	1/4	2,489.19	1/4	2,241.49	1/4	1,993.79	1/4	1,746.09	1/4	1,498.39	1/4	1,250.69
1/2		1/2	3,227.12	1/2	2,979.43	1/2	2,731.73	1/2	2,484.03	1/2	2,236.33	1/2	1,988.63	1/2	1,740.93	1/2	1,493.23	1/2	1,245.53
3/4		3/4	3,221.96	3/4	2,974.27	3/4	2,726.57	3/4	2,478.87	3/4	2,231.17	3/4	1,983.47	3/4	1,735.77	3/4	1,488.07	3/4	1,240.37
11		11	3,216.80	11	2,969.10	11	2,721.41	11	2,473.71	11	2,226.01	11	1,978.31	11	1,730.61	11	1,482.91	11	1,235.21
1/4		1/4	3,211.64	1/4	2,963.94	1/4	2,716.25	1/4	2,468.55	1/4	2,220.85	1/4	1,973.15	1/4	1,725.45	1/4	1,477.75	1/4	1,230.05
1/2	3,450.33	1/2	3,206.48	1/2	2,958.78	1/2	2,711.08	1/2	2,463.39	1/2	2,215.69	1/2	1,967.99	1/2	1,720.29	1/2	1,472.59	1/2	1,224.89
3/4	3,445.74	3/4	3,201.32	3/4	2,953.62	3/4	2,705.92	3/4	2,458.23	3/4	2,210.53	3/4	1,962.83	3/4	1,715.13	3/4	1,467.43	3/4	1,219.73

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "MM 304"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,214.57	0	967.26	0	719.78	0	473.77	0	229.48	0	30.71	0		0		0		0	
1/4	1,209.41	1/4	962.10	1/4	714.65	1/4	468.61	1/4	224.71	1/4	27.70	1/4		1/4		1/4		1/4	
1/2	1,204.25	1/2	956.94	1/2	709.53	1/2	463.45	1/2	219.94	1/2	24.69	1/2		1/2		1/2		1/2	
3/4	1,199.09	3/4	951.78	3/4	704.40	3/4	458.29	3/4	215.26	3/4	22.80	3/4		3/4		3/4		3/4	
1	1,193.93	1	946.62	1	699.28	1	453.13	1	210.58	1	20.92	1		1		1		1	
1/4	1,188.77	1/4	941.46	1/4	694.16	1/4	447.97	1/4	205.91	1/4	19.03	1/4		1/4		1/4		1/4	
1/2	1,183.61	1/2	936.30	1/2	689.03	1/2	442.81	1/2	201.23	1/2	17.14	1/2		1/2		1/2		1/2	
3/4	1,178.45	3/4	931.14	3/4	683.91	3/4	437.65	3/4	196.64	3/4		3/4		3/4		3/4		3/4	
2	1,173.29	2	925.98	2	678.78	2	432.49	2	192.06	2		2		2		2		2	
1/4	1,168.13	1/4	920.81	1/4	673.66	1/4	427.33	1/4	187.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,162.96	1/2	915.65	1/2	668.53	1/2	422.17	1/2	182.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,157.83	3/4	910.49	3/4	663.42	3/4	417.01	3/4	178.39	3/4		3/4		3/4		3/4		3/4	
3	1,152.69	3	905.33	3	658.30	3	411.85	3	173.90	3		3		3		3		3	
1/4	1,147.56	1/4	900.17	1/4	653.18	1/4	406.69	1/4	169.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,142.42	1/2	895.01	1/2	648.06	1/2	401.53	1/2	164.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,137.28	3/4	889.85	3/4	642.94	3/4	396.37	3/4	160.51	3/4		3/4		3/4		3/4		3/4	
4	1,132.15	4	884.69	4	637.82	4	391.21	4	156.11	4		4		4		4		4	
1/4	1,127.01	1/4	879.53	1/4	632.70	1/4	386.05	1/4	151.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,121.88	1/2	874.37	1/2	627.58	1/2	380.89	1/2	147.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,116.74	3/4	869.21	3/4	622.47	3/4	375.73	3/4	142.99	3/4		3/4		3/4		3/4		3/4	
5	1,111.60	5	864.05	5	617.35	5	370.56	5	138.68	5		5		5		5		5	
1/4	1,106.47	1/4	858.89	1/4	612.23	1/4	365.40	1/4	134.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,101.33	1/2	853.73	1/2	607.11	1/2	360.24	1/2	130.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,096.20	3/4	848.57	3/4	601.99	3/4	355.08	3/4	125.84	3/4		3/4		3/4		3/4		3/4	
6	1,091.06	6	843.41	6	596.87	6	349.92	6	121.62	6		6		6		6		6	
1/4	1,085.92	1/4	838.25	1/4	591.75	1/4	344.76	1/4	117.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,080.79	1/2	833.09	1/2	586.63	1/2	339.60	1/2	113.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,075.63	3/4	827.93	3/4	581.51	3/4	334.44	3/4	109.06	3/4		3/4		3/4		3/4		3/4	
7	1,070.47	7	822.77	7	576.40	7	329.28	7	104.94	7		7		7		7		7	
1/4	1,065.31	1/4	817.61	1/4	571.28	1/4	324.12	1/4	100.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,060.15	1/2	812.45	1/2	566.16	1/2	318.96	1/2	96.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,054.99	3/4	807.29	3/4	561.04	3/4	313.84	3/4	92.79	3/4		3/4		3/4		3/4		3/4	
8	1,049.82	8	802.13	8	555.92	8	308.71	8	88.89	8		8		8		8		8	
1/4	1,044.66	1/4	796.97	1/4	550.80	1/4	303.58	1/4	85.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,039.50	1/2	791.80	1/2	545.68	1/2	298.46	1/2	81.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,034.34	3/4	786.64	3/4	540.56	3/4	293.41	3/4	77.30	3/4		3/4		3/4		3/4		3/4	
9	1,029.18	9	781.48	9	535.45	9	288.37	9	73.50	9		9		9		9		9	
1/4	1,024.02	1/4	776.32	1/4	530.33	1/4	283.32	1/4	69.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,018.86	1/2	771.16	1/2	525.21	1/2	278.28	1/2	65.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,013.70	3/4	766.00	3/4	520.09	3/4	273.32	3/4	62.20	3/4		3/4		3/4		3/4		3/4	
10	1,008.54	10	760.84	10	514.97	10	268.37	10	58.50	10		10		10		10		10	
1/4	1,003.38	1/4	755.68	1/4	509.85	1/4	263.42	1/4	54.80	1/4		1/4		1/4		1/4		1/4	
1/2	998.22	1/2	750.52	1/2	504.73	1/2	258.46	1/2	51.09	1/2		1/2		1/2		1/2		1/2	
3/4	993.06	3/4	745.40	3/4	499.57	3/4	253.60	3/4	47.50	3/4		3/4		3/4		3/4		3/4	
11	987.90	11	740.27	11	494.41	11	248.74	11	43.91	11		11		11		11		11	
1/4	982.74	1/4	735.15	1/4	489.25	1/4	243.88	1/4	40.32	1/4		1/4		1/4		1/4		1/4	
1/2	977.58	1/2	730.02	1/2	484.09	1/2	239.02	1/2	36.72	1/2		1/2		1/2		1/2		1/2	
3/4	972.42	3/4	724.90	3/4	478.93	3/4	234.25	3/4	33.71	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,224.92	0	2,977.15	0	2,729.37	0	2,481.59	0	2,233.79	0	1,986.00	0	1,738.21	0	1,490.42
1/4		1/4		1/4	3,219.76	1/4	2,971.98	1/4	2,724.21	1/4	2,476.42	1/4	2,228.63	1/4	1,980.84	1/4	1,733.05	1/4	1,485.26
1/2		1/2		1/2	3,214.60	1/2	2,966.82	1/2	2,719.05	1/2	2,471.26	1/2	2,223.47	1/2	1,975.68	1/2	1,727.89	1/2	1,480.10
3/4		3/4	3,453.37	3/4	3,209.44	3/4	2,961.66	3/4	2,713.88	3/4	2,466.10	3/4	2,218.31	3/4	1,970.52	3/4	1,722.73	3/4	1,474.94
1		1	3,448.78	1	3,204.27	1	2,956.50	1	2,708.72	1	2,460.94	1	2,213.15	1	1,965.36	1	1,717.56	1	1,469.77
1/4		1/4	3,444.18	1/4	3,199.11	1/4	2,951.34	1/4	2,703.56	1/4	2,455.77	1/4	2,207.98	1/4	1,960.19	1/4	1,712.40	1/4	1,464.61
1/2		1/2	3,439.59	1/2	3,193.95	1/2	2,946.17	1/2	2,698.40	1/2	2,450.61	1/2	2,202.82	1/2	1,955.03	1/2	1,707.24	1/2	1,459.45
3/4		3/4	3,435.00	3/4	3,188.79	3/4	2,941.01	3/4	2,693.24	3/4	2,445.45	3/4	2,197.66	3/4	1,949.87	3/4	1,702.08	3/4	1,454.29
2		2	3,429.91	2	3,183.63	2	2,935.85	2	2,688.07	2	2,440.29	2	2,192.50	2	1,944.71	2	1,696.92	2	1,449.13
1/4		1/4	3,424.82	1/4	3,178.46	1/4	2,930.69	1/4	2,682.91	1/4	2,435.12	1/4	2,187.33	1/4	1,939.54	1/4	1,691.75	1/4	1,443.96
1/2		1/2	3,419.74	1/2	3,173.30	1/2	2,925.53	1/2	2,677.75	1/2	2,429.96	1/2	2,182.17	1/2	1,934.38	1/2	1,686.59	1/2	1,438.80
3/4		3/4	3,414.65	3/4	3,168.14	3/4	2,920.36	3/4	2,672.59	3/4	2,424.80	3/4	2,177.01	3/4	1,929.22	3/4	1,681.43	3/4	1,433.64
3		3	3,409.55	3	3,162.98	3	2,915.20	3	2,667.43	3	2,419.64	3	2,171.85	3	1,924.06	3	1,676.27	3	1,428.48
1/4		1/4	3,404.44	1/4	3,157.82	1/4	2,910.04	1/4	2,662.26	1/4	2,414.48	1/4	2,166.69	1/4	1,918.89	1/4	1,671.10	1/4	1,423.31
1/2		1/2	3,399.34	1/2	3,152.65	1/2	2,904.88	1/2	2,657.10	1/2	2,409.31	1/2	2,161.52	1/2	1,913.73	1/2	1,665.94	1/2	1,418.15
3/4		3/4	3,394.24	3/4	3,147.49	3/4	2,899.72	3/4	2,651.94	3/4	2,404.15	3/4	2,156.36	3/4	1,908.57	3/4	1,660.78	3/4	1,412.99
4		4	3,389.13	4	3,142.33	4	2,894.55	4	2,646.78	4	2,398.99	4	2,151.20	4	1,903.41	4	1,655.62	4	1,407.83
1/4		1/4	3,384.02	1/4	3,137.17	1/4	2,889.39	1/4	2,641.62	1/4	2,393.83	1/4	2,146.04	1/4	1,898.25	1/4	1,650.46	1/4	1,402.66
1/2		1/2	3,378.91	1/2	3,132.01	1/2	2,884.23	1/2	2,636.45	1/2	2,388.66	1/2	2,140.87	1/2	1,893.08	1/2	1,645.29	1/2	1,397.50
3/4		3/4	3,373.80	3/4	3,126.84	3/4	2,879.07	3/4	2,631.29	3/4	2,383.50	3/4	2,135.71	3/4	1,887.92	3/4	1,640.13	3/4	1,392.34
5		5	3,368.69	5	3,121.68	5	2,873.91	5	2,626.13	5	2,378.34	5	2,130.55	5	1,882.76	5	1,634.97	5	1,387.18
1/4		1/4	3,363.58	1/4	3,116.52	1/4	2,868.74	1/4	2,620.97	1/4	2,373.18	1/4	2,125.39	1/4	1,877.60	1/4	1,629.81	1/4	1,382.02
1/2		1/2	3,358.47	1/2	3,111.36	1/2	2,863.58	1/2	2,615.81	1/2	2,368.01	1/2	2,120.22	1/2	1,872.43	1/2	1,624.64	1/2	1,376.85
3/4		3/4	3,353.36	3/4	3,106.20	3/4	2,858.42	3/4	2,610.64	3/4	2,362.85	3/4	2,115.06	3/4	1,867.27	3/4	1,619.48	3/4	1,371.69
6		6	3,348.25	6	3,101.03	6	2,853.26	6	2,605.48	6	2,357.69	6	2,109.90	6	1,862.11	6	1,614.32	6	1,366.53
1/4		1/4	3,343.14	1/4	3,095.87	1/4	2,848.10	1/4	2,600.32	1/4	2,352.53	1/4	2,104.74	1/4	1,856.95	1/4	1,609.16	1/4	1,361.37
1/2		1/2	3,338.02	1/2	3,090.71	1/2	2,842.93	1/2	2,595.16	1/2	2,347.37	1/2	2,099.58	1/2	1,851.78	1/2	1,603.99	1/2	1,356.20
3/4		3/4	3,332.91	3/4	3,085.55	3/4	2,837.77	3/4	2,589.99	3/4	2,342.20	3/4	2,094.41	3/4	1,846.62	3/4	1,598.83	3/4	1,351.04
7		7	3,327.80	7	3,080.39	7	2,832.61	7	2,584.83	7	2,337.04	7	2,089.25	7	1,841.46	7	1,593.67	7	1,345.88
1/4		1/4	3,322.69	1/4	3,075.22	1/4	2,827.45	1/4	2,579.67	1/4	2,331.88	1/4	2,084.09	1/4	1,836.30	1/4	1,588.51	1/4	1,340.72
1/2		1/2	3,317.58	1/2	3,070.06	1/2	2,822.29	1/2	2,574.51	1/2	2,326.72	1/2	2,078.93	1/2	1,831.14	1/2	1,583.35	1/2	1,335.55
3/4		3/4	3,312.47	3/4	3,064.90	3/4	2,817.12	3/4	2,569.34	3/4	2,321.55	3/4	2,073.76	3/4	1,825.97	3/4	1,578.18	3/4	1,330.39
8		8	3,307.36	8	3,059.74	8	2,811.96	8	2,564.18	8	2,316.39	8	2,068.60	8	1,820.81	8	1,573.02	8	1,325.23
1/4		1/4	3,302.25	1/4	3,054.58	1/4	2,806.80	1/4	2,559.02	1/4	2,311.23	1/4	2,063.44	1/4	1,815.65	1/4	1,567.86	1/4	1,320.07
1/2		1/2	3,297.14	1/2	3,049.41	1/2	2,801.64	1/2	2,553.86	1/2	2,306.07	1/2	2,058.28	1/2	1,810.49	1/2	1,562.70	1/2	1,314.91
3/4		3/4	3,292.03	3/4	3,044.25	3/4	2,796.48	3/4	2,548.70	3/4	2,300.90	3/4	2,053.11	3/4	1,805.32	3/4	1,557.53	3/4	1,309.74
9		9	3,286.87	9	3,039.09	9	2,791.31	9	2,543.53	9	2,295.74	9	2,047.95	9	1,800.16	9	1,552.37	9	1,304.58
1/4		1/4	3,281.70	1/4	3,033.93	1/4	2,786.15	1/4	2,538.37	1/4	2,290.58	1/4	2,042.79	1/4	1,795.00	1/4	1,547.21	1/4	1,299.42
1/2		1/2	3,276.54	1/2	3,028.77	1/2	2,780.99	1/2	2,533.21	1/2	2,285.42	1/2	2,037.63	1/2	1,789.84	1/2	1,542.05	1/2	1,294.26
3/4		3/4	3,271.38	3/4	3,023.60	3/4	2,775.83	3/4	2,528.05	3/4	2,280.26	3/4	2,032.47	3/4	1,784.67	3/4	1,536.88	3/4	1,289.09
10		10	3,266.22	10	3,018.44	10	2,770.67	10	2,522.88	10	2,275.09	10	2,027.30	10	1,779.51	10	1,531.72	10	1,283.93
1/4		1/4	3,261.06	1/4	3,013.28	1/4	2,765.50	1/4	2,517.72	1/4	2,269.93	1/4	2,022.14	1/4	1,774.35	1/4	1,526.56	1/4	1,278.77
1/2		1/2	3,255.89	1/2	3,008.12	1/2	2,760.34	1/2	2,512.56	1/2	2,264.77	1/2	2,016.98	1/2	1,769.19	1/2	1,521.40	1/2	1,273.61
3/4		3/4	3,250.73	3/4	3,002.96	3/4	2,755.18	3/4	2,507.40	3/4	2,259.61	3/4	2,011.82	3/4	1,764.03	3/4	1,516.24	3/4	1,268.44
11		11	3,245.57	11	2,997.79	11	2,750.02	11	2,502.23	11	2,254.44	11	2,006.65	11	1,758.86	11	1,511.07	11	1,263.28
1/4		1/4	3,240.41	1/4	2,992.63	1/4	2,744.86	1/4	2,497.07	1/4	2,249.28	1/4	2,001.49	1/4	1,753.70	1/4	1,505.91	1/4	1,258.12
1/2		1/2	3,235.25	1/2	2,987.47	1/2	2,739.69	1/2	2,491.91	1/2	2,244.12	1/2	1,996.33	1/2	1,748.54	1/2	1,500.75	1/2	1,252.96
3/4		3/4	3,230.08	3/4	2,982.31	3/4	2,734.53	3/4	2,486.75	3/4	2,238.96	3/4	1,991.17	3/4	1,743.38	3/4	1,495.59	3/4	1,247.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
http://www.pmacorp.net

BARGE "MM 304"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,242.63	0	995.24	0	747.45	0	499.83	0	253.77	0	47.54	0		0		0		0	
1/4	1,237.47	1/4	990.08	1/4	742.29	1/4	494.67	1/4	248.91	1/4	43.94	1/4		1/4		1/4		1/4	
1/2	1,232.31	1/2	984.92	1/2	737.12	1/2	489.50	1/2	244.04	1/2	40.35	1/2		1/2		1/2		1/2	
3/4	1,227.15	3/4	979.75	3/4	731.96	3/4	484.34	3/4	239.18	3/4	36.75	3/4		3/4		3/4		3/4	
1	1,221.98	1	974.59	1	726.80	1	479.18	1	234.41	1	33.74	1		1		1		1	
1/4	1,216.82	1/4	969.43	1/4	721.64	1/4	474.02	1/4	229.64	1/4	30.73	1/4		1/4		1/4		1/4	
1/2	1,211.66	1/2	964.27	1/2	716.48	1/2	468.86	1/2	224.86	1/2	27.71	1/2		1/2		1/2		1/2	
3/4	1,206.50	3/4	959.10	3/4	711.31	3/4	463.69	3/4	220.09	3/4	24.70	3/4		3/4		3/4		3/4	
2	1,201.33	2	953.94	2	706.15	2	458.53	2	215.41	2	22.81	2		2		2		2	
1/4	1,196.17	1/4	948.78	1/4	700.99	1/4	453.37	1/4	210.73	1/4	20.92	1/4		1/4		1/4		1/4	
1/2	1,191.01	1/2	943.62	1/2	695.83	1/2	448.21	1/2	206.05	1/2	19.03	1/2		1/2		1/2		1/2	
3/4	1,185.85	3/4	938.45	3/4	690.66	3/4	443.05	3/4	201.37	3/4	17.15	3/4		3/4		3/4		3/4	
3	1,180.69	3	933.29	3	685.50	3	437.88	3	196.78	3		3		3		3		3	
1/4	1,175.52	1/4	928.13	1/4	680.34	1/4	432.72	1/4	192.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,170.36	1/2	922.97	1/2	675.18	1/2	427.56	1/2	187.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,165.20	3/4	917.81	3/4	670.01	3/4	422.40	3/4	183.02	3/4		3/4		3/4		3/4		3/4	
4	1,160.06	4	912.64	4	664.86	4	417.24	4	178.52	4		4		4		4		4	
1/4	1,154.92	1/4	907.48	1/4	659.70	1/4	412.07	1/4	174.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,149.79	1/2	902.32	1/2	654.54	1/2	406.91	1/2	169.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,144.65	3/4	897.16	3/4	649.39	3/4	401.75	3/4	165.03	3/4		3/4		3/4		3/4		3/4	
5	1,139.51	5	891.99	5	644.23	5	396.59	5	160.63	5		5		5		5		5	
1/4	1,134.37	1/4	886.83	1/4	639.07	1/4	391.42	1/4	156.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,129.24	1/2	881.67	1/2	633.92	1/2	386.26	1/2	151.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,124.10	3/4	876.51	3/4	628.76	3/4	381.10	3/4	147.41	3/4		3/4		3/4		3/4		3/4	
6	1,118.96	6	871.34	6	623.60	6	375.94	6	143.10	6		6		6		6		6	
1/4	1,113.82	1/4	866.18	1/4	618.44	1/4	370.78	1/4	138.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,108.69	1/2	861.02	1/2	613.29	1/2	365.61	1/2	134.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,103.55	3/4	855.86	3/4	608.13	3/4	360.45	3/4	130.16	3/4		3/4		3/4		3/4		3/4	
7	1,098.41	7	850.70	7	602.97	7	355.29	7	125.94	7		7		7		7		7	
1/4	1,093.27	1/4	845.53	1/4	597.82	1/4	350.13	1/4	121.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,088.14	1/2	840.37	1/2	592.66	1/2	344.97	1/2	117.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,083.00	3/4	835.21	3/4	587.50	3/4	339.80	3/4	113.28	3/4		3/4		3/4		3/4		3/4	
8	1,077.84	8	830.05	8	582.35	8	334.64	8	109.15	8		8		8		8		8	
1/4	1,072.67	1/4	824.88	1/4	577.19	1/4	329.48	1/4	105.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,067.51	1/2	819.72	1/2	572.03	1/2	324.32	1/2	100.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,062.35	3/4	814.56	3/4	566.87	3/4	319.16	3/4	96.76	3/4		3/4		3/4		3/4		3/4	
9	1,057.19	9	809.40	9	561.72	9	314.03	9	92.86	9		9		9		9		9	
1/4	1,052.03	1/4	804.23	1/4	556.56	1/4	308.90	1/4	88.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,046.86	1/2	799.07	1/2	551.40	1/2	303.77	1/2	85.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,041.70	3/4	793.91	3/4	546.25	3/4	298.65	3/4	81.17	3/4		3/4		3/4		3/4		3/4	
10	1,036.54	10	788.75	10	541.09	10	293.60	10	77.37	10		10		10		10		10	
1/4	1,031.38	1/4	783.59	1/4	535.93	1/4	288.55	1/4	73.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,026.21	1/2	778.42	1/2	530.78	1/2	283.50	1/2	69.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,021.05	3/4	773.26	3/4	525.62	3/4	278.46	3/4	65.96	3/4		3/4		3/4		3/4		3/4	
11	1,015.89	11	768.10	11	520.46	11	273.50	11	62.25	11		11		11		11		11	
1/4	1,010.73	1/4	762.94	1/4	515.30	1/4	268.54	1/4	58.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,005.56	1/2	757.77	1/2	510.15	1/2	263.59	1/2	54.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,000.40	3/4	752.61	3/4	504.99	3/4	258.63	3/4	51.13	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "MM 304"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,279.78	0	3,980.48	0	3,677.19	0	3,373.89	0	3,070.59	0	2,767.28	0	2,463.96	0	2,160.65	0	1,857.34
1/4		1/4	4,274.15	1/4	3,974.16	1/4	3,670.87	1/4	3,367.58	1/4	3,064.27	1/4	2,760.96	1/4	2,457.64	1/4	2,154.33	1/4	1,851.02
1/2		1/2	4,268.53	1/2	3,967.84	1/2	3,664.55	1/2	3,361.26	1/2	3,057.95	1/2	2,754.64	1/2	2,451.33	1/2	2,148.01	1/2	1,844.70
3/4		3/4	4,262.91	3/4	3,961.52	3/4	3,658.23	3/4	3,354.94	3/4	3,051.63	3/4	2,748.32	3/4	2,445.01	3/4	2,141.69	3/4	1,838.38
1		1	4,256.68	1	3,955.20	1	3,651.91	1	3,348.62	1	3,045.31	1	2,742.00	1	2,438.69	1	2,135.38	1	1,832.06
1/4		1/4	4,250.46	1/4	3,948.89	1/4	3,645.59	1/4	3,342.30	1/4	3,038.99	1/4	2,735.68	1/4	2,432.37	1/4	2,129.06	1/4	1,825.74
1/2		1/2	4,244.23	1/2	3,942.57	1/2	3,639.27	1/2	3,335.98	1/2	3,032.67	1/2	2,729.36	1/2	2,426.05	1/2	2,122.74	1/2	1,819.43
3/4		3/4	4,238.01	3/4	3,936.25	3/4	3,632.96	3/4	3,329.66	3/4	3,026.35	3/4	2,723.04	3/4	2,419.73	3/4	2,116.42	3/4	1,813.11
2		2	4,231.76	2	3,929.93	2	3,626.64	2	3,323.34	2	3,020.04	2	2,716.72	2	2,413.41	2	2,110.10	2	1,806.79
1/4		1/4	4,225.51	1/4	3,923.61	1/4	3,620.32	1/4	3,317.03	1/4	3,013.72	1/4	2,710.40	1/4	2,407.09	1/4	2,103.78	1/4	1,800.47
1/2		1/2	4,219.26	1/2	3,917.29	1/2	3,614.00	1/2	3,310.71	1/2	3,007.40	1/2	2,704.09	1/2	2,400.77	1/2	2,097.46	1/2	1,794.15
3/4		3/4	4,213.02	3/4	3,910.97	3/4	3,607.68	3/4	3,304.39	3/4	3,001.08	3/4	2,697.77	3/4	2,394.45	3/4	2,091.14	3/4	1,787.83
3		3	4,206.76	3	3,904.66	3	3,601.36	3	3,298.07	3	2,994.76	3	2,691.45	3	2,388.14	3	2,084.82	3	1,781.51
1/4		1/4	4,200.50	1/4	3,898.34	1/4	3,595.04	1/4	3,291.75	1/4	2,988.44	1/4	2,685.13	1/4	2,381.82	1/4	2,078.50	1/4	1,775.19
1/2		1/2	4,194.25	1/2	3,892.02	1/2	3,588.73	1/2	3,285.43	1/2	2,982.12	1/2	2,678.81	1/2	2,375.50	1/2	2,072.19	1/2	1,768.87
3/4		3/4	4,187.99	3/4	3,885.70	3/4	3,582.41	3/4	3,279.11	3/4	2,975.80	3/4	2,672.49	3/4	2,369.18	3/4	2,065.87	3/4	1,762.55
4		4	4,181.74	4	3,879.38	4	3,576.09	4	3,272.80	4	2,969.48	4	2,666.17	4	2,362.86	4	2,059.55	4	1,756.24
1/4		1/4	4,175.48	1/4	3,873.06	1/4	3,569.77	1/4	3,266.48	1/4	2,963.16	1/4	2,659.85	1/4	2,356.54	1/4	2,053.23	1/4	1,749.92
1/2		1/2	4,169.22	1/2	3,866.74	1/2	3,563.45	1/2	3,260.16	1/2	2,956.85	1/2	2,653.53	1/2	2,350.22	1/2	2,046.91	1/2	1,743.60
3/4		3/4	4,162.97	3/4	3,860.43	3/4	3,557.13	3/4	3,253.84	3/4	2,950.53	3/4	2,647.21	3/4	2,343.90	3/4	2,040.59	3/4	1,737.28
5		5	4,156.71	5	3,854.11	5	3,550.81	5	3,247.52	5	2,944.21	5	2,640.90	5	2,337.58	5	2,034.27	5	1,730.96
1/4		1/4	4,150.46	1/4	3,847.79	1/4	3,544.50	1/4	3,241.20	1/4	2,937.89	1/4	2,634.58	1/4	2,331.26	1/4	2,027.95	1/4	1,724.64
1/2		1/2	4,144.20	1/2	3,841.47	1/2	3,538.18	1/2	3,234.88	1/2	2,931.57	1/2	2,628.26	1/2	2,324.95	1/2	2,021.63	1/2	1,718.32
3/4		3/4	4,137.94	3/4	3,835.15	3/4	3,531.86	3/4	3,228.56	3/4	2,925.25	3/4	2,621.94	3/4	2,318.63	3/4	2,015.31	3/4	1,712.00
6		6	4,131.69	6	3,828.83	6	3,525.54	6	3,222.24	6	2,918.93	6	2,615.62	6	2,312.31	6	2,009.00	6	1,705.68
1/4		1/4	4,125.43	1/4	3,822.51	1/4	3,519.22	1/4	3,215.92	1/4	2,912.61	1/4	2,609.30	1/4	2,305.99	1/4	2,002.68	1/4	1,699.36
1/2		1/2	4,119.18	1/2	3,816.20	1/2	3,512.90	1/2	3,209.61	1/2	2,906.29	1/2	2,602.98	1/2	2,299.67	1/2	1,996.36	1/2	1,693.05
3/4		3/4	4,112.92	3/4	3,809.88	3/4	3,506.58	3/4	3,203.29	3/4	2,899.97	3/4	2,596.66	3/4	2,293.35	3/4	1,990.04	3/4	1,686.73
7		7	4,106.66	7	3,803.56	7	3,500.27	7	3,196.97	7	2,893.66	7	2,590.34	7	2,287.03	7	1,983.72	7	1,680.41
1/4		1/4	4,100.41	1/4	3,797.24	1/4	3,493.95	1/4	3,190.65	1/4	2,887.34	1/4	2,584.02	1/4	2,280.71	1/4	1,977.40	1/4	1,674.09
1/2		1/2	4,094.15	1/2	3,790.92	1/2	3,487.63	1/2	3,184.33	1/2	2,881.02	1/2	2,577.71	1/2	2,274.39	1/2	1,971.08	1/2	1,667.77
3/4		3/4	4,087.90	3/4	3,784.60	3/4	3,481.31	3/4	3,178.01	3/4	2,874.70	3/4	2,571.39	3/4	2,268.07	3/4	1,964.76	3/4	1,661.45
8		8	4,081.58	8	3,778.28	8	3,474.99	8	3,171.69	8	2,868.38	8	2,565.07	8	2,261.76	8	1,958.44	8	1,655.13
1/4		1/4	4,075.26	1/4	3,771.97	1/4	3,468.67	1/4	3,165.37	1/4	2,862.06	1/4	2,558.75	1/4	2,255.44	1/4	1,952.12	1/4	1,648.81
1/2		1/2	4,068.94	1/2	3,765.65	1/2	3,462.35	1/2	3,159.05	1/2	2,855.74	1/2	2,552.43	1/2	2,249.12	1/2	1,945.81	1/2	1,642.49
3/4		3/4	4,062.62	3/4	3,759.33	3/4	3,456.04	3/4	3,152.73	3/4	2,849.42	3/4	2,546.11	3/4	2,242.80	3/4	1,939.49	3/4	1,636.17
9		9	4,056.30	9	3,753.01	9	3,449.72	9	3,146.42	9	2,843.10	9	2,539.79	9	2,236.48	9	1,933.17	9	1,629.86
1/4		1/4	4,049.98	1/4	3,746.69	1/4	3,443.40	1/4	3,140.10	1/4	2,836.78	1/4	2,533.47	1/4	2,230.16	1/4	1,926.85	1/4	1,623.54
1/2		1/2	4,043.67	1/2	3,740.37	1/2	3,437.08	1/2	3,133.78	1/2	2,830.47	1/2	2,527.15	1/2	2,223.84	1/2	1,920.53	1/2	1,617.22
3/4		3/4	4,037.35	3/4	3,734.05	3/4	3,430.76	3/4	3,127.46	3/4	2,824.15	3/4	2,520.83	3/4	2,217.52	3/4	1,914.21	3/4	1,610.90
10		10	4,031.03	10	3,727.74	10	3,424.44	10	3,121.14	10	2,817.83	10	2,514.52	10	2,211.20	10	1,907.89	10	1,604.58
1/4		1/4	4,024.71	1/4	3,721.42	1/4	3,418.12	1/4	3,114.82	1/4	2,811.51	1/4	2,508.20	1/4	2,204.88	1/4	1,901.57	1/4	1,598.26
1/2		1/2	4,018.39	1/2	3,715.10	1/2	3,411.81	1/2	3,108.50	1/2	2,805.19	1/2	2,501.88	1/2	2,198.57	1/2	1,895.25	1/2	1,591.94
3/4		3/4	4,012.07	3/4	3,708.78	3/4	3,405.49	3/4	3,102.18	3/4	2,798.87	3/4	2,495.56	3/4	2,192.25	3/4	1,888.93	3/4	1,585.62
11		11	4,005.75	11	3,702.46	11	3,399.17	11	3,095.86	11	2,792.55	11	2,489.24	11	2,185.93	11	1,882.62	11	1,579.30
1/4		1/4	3,999.44	1/4	3,696.14	1/4	3,392.85	1/4	3,089.54	1/4	2,786.23	1/4	2,482.92	1/4	2,179.61	1/4	1,876.30	1/4	1,572.98
1/2		1/2	3,993.12	1/2	3,689.82	1/2	3,386.53	1/2	3,083.23	1/2	2,779.91	1/2	2,476.60	1/2	2,173.29	1/2	1,869.98	1/2	1,566.67
3/4	4,285.40	3/4	3,986.80	3/4	3,683.51	3/4	3,380.21	3/4	3,076.91	3/4	2,773.59	3/4	2,470.28	3/4	2,166.97	3/4	1,863.66	3/4	1,560.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
http://www.pmacorp.net

BARGE "MM 304"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-01 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,554.03	0	1,252.30	0	950.39	0	659.23	0	355.92	0	56.34	0		0		0		0	
1/4	1,547.71	1/4	1,245.99	1/4	944.35	1/4	652.91	1/4	349.61	1/4	50.83	1/4		1/4		1/4		1/4	
1/2	1,541.39	1/2	1,239.67	1/2	938.30	1/2	646.59	1/2	343.29	1/2	45.31	1/2		1/2		1/2		1/2	
3/4	1,535.07	3/4	1,233.35	3/4	932.26	3/4	640.27	3/4	336.97	3/4	39.80	3/4		3/4		3/4		3/4	
1	1,528.75	1	1,227.03	1	926.22	1	633.95	1	330.65	1	35.55	1		1		1		1	
1/4	1,522.43	1/4	1,220.71	1/4	920.18	1/4	627.63	1/4	324.33	1/4	31.29	1/4		1/4		1/4		1/4	
1/2	1,516.11	1/2	1,214.39	1/2	914.14	1/2	621.31	1/2	318.01	1/2	27.04	1/2		1/2		1/2		1/2	
3/4	1,509.79	3/4	1,208.07	3/4	908.10	3/4	615.00	3/4	311.69	3/4	22.79	3/4		3/4		3/4		3/4	
2	1,503.48	2	1,201.75	2	902.06	2	608.68	2	305.37	2		2		2		2		2	
1/4	1,497.16	1/4	1,195.43	1/4	896.02	1/4	602.36	1/4	299.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,490.84	1/2	1,189.11	1/2	889.98	1/2	596.04	1/2	292.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,484.52	3/4	1,182.80	3/4	883.94	3/4	589.72	3/4	286.42	3/4		3/4		3/4		3/4		3/4	
3	1,478.30	3	1,176.48	3	877.91	3	583.40	3	280.10	3		3		3		3		3	
1/4	1,472.08	1/4	1,170.16	1/4	871.87	1/4	577.08	1/4	273.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,465.86	1/2	1,163.84	1/2	865.84	1/2	570.76	1/2	267.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,459.64	3/4	1,157.52	3/4	859.80	3/4	564.45	3/4	261.14	3/4		3/4		3/4		3/4		3/4	
4	1,453.42	4	1,151.20	4	853.77	4	558.13	4	254.82	4		4		4		4		4	
1/4	1,447.20	1/4	1,144.88	1/4	847.73	1/4	551.81	1/4	248.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,440.98	1/2	1,138.56	1/2	841.70	1/2	545.49	1/2	242.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,434.76	3/4	1,132.24	3/4	835.66	3/4	539.17	3/4	235.87	3/4		3/4		3/4		3/4		3/4	
5	1,428.54	5	1,125.92	5	829.63	5	532.85	5	229.55	5		5		5		5		5	
1/4	1,422.32	1/4	1,119.61	1/4	823.59	1/4	526.53	1/4	223.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,416.10	1/2	1,113.29	1/2	817.56	1/2	520.21	1/2	216.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,409.88	3/4	1,106.97	3/4	811.52	3/4	513.89	3/4	210.59	3/4		3/4		3/4		3/4		3/4	
6	1,403.66	6	1,100.65	6	805.49	6	507.58	6	204.27	6		6		6		6		6	
1/4	1,397.44	1/4	1,094.33	1/4	799.45	1/4	501.26	1/4	197.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,391.22	1/2	1,088.01	1/2	793.42	1/2	494.94	1/2	191.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.00	3/4	1,081.69	3/4	787.38	3/4	488.62	3/4	185.32	3/4		3/4		3/4		3/4		3/4	
7	1,378.68	7	1,075.37	7	781.35	7	482.30	7	179.00	7		7		7		7		7	
1/4	1,372.37	1/4	1,069.05	1/4	775.31	1/4	475.98	1/4	172.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,366.05	1/2	1,062.73	1/2	769.28	1/2	469.66	1/2	166.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,359.73	3/4	1,056.42	3/4	763.24	3/4	463.34	3/4	160.04	3/4		3/4		3/4		3/4		3/4	
8	1,353.41	8	1,050.10	8	757.21	8	457.03	8	153.89	8		8		8		8		8	
1/4	1,347.09	1/4	1,043.78	1/4	751.17	1/4	450.71	1/4	147.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,340.77	1/2	1,037.46	1/2	745.14	1/2	444.39	1/2	141.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,334.45	3/4	1,031.14	3/4	739.10	3/4	438.07	3/4	135.45	3/4		3/4		3/4		3/4		3/4	
9	1,328.13	9	1,024.82	9	733.07	9	431.75	9	129.30	9		9		9		9		9	
1/4	1,321.81	1/4	1,018.50	1/4	727.03	1/4	425.43	1/4	123.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,315.49	1/2	1,012.18	1/2	721.00	1/2	419.11	1/2	117.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,309.18	3/4	1,005.86	3/4	714.96	3/4	412.79	3/4	110.87	3/4		3/4		3/4		3/4		3/4	
10	1,302.86	10	999.54	10	708.93	10	406.48	10	104.73	10		10		10		10		10	
1/4	1,296.54	1/4	993.23	1/4	702.89	1/4	400.16	1/4	98.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,290.22	1/2	986.91	1/2	696.86	1/2	393.84	1/2	92.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,283.90	3/4	980.59	3/4	690.82	3/4	387.52	3/4	86.32	3/4		3/4		3/4		3/4		3/4	
11	1,277.58	11	974.55	11	684.50	11	381.20	11	80.20	11		11		11		11		11	
1/4	1,271.26	1/4	968.51	1/4	678.18	1/4	374.88	1/4	74.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,264.94	1/2	962.47	1/2	671.86	1/2	368.56	1/2	67.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,258.62	3/4	956.43	3/4	665.55	3/4	362.24	3/4	61.85	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,006.49	0	3,703.20	0	3,399.91	0	3,096.60	0	2,793.29	0	2,489.98	0	2,186.67	0	1,883.36
1/4		1/4	4,298.77	1/4	4,000.18	1/4	3,696.88	1/4	3,393.59	1/4	3,090.28	1/4	2,786.97	1/4	2,483.66	1/4	2,180.35	1/4	1,877.04
1/2		1/2	4,293.15	1/2	3,993.86	1/2	3,690.56	1/2	3,387.27	1/2	3,083.97	1/2	2,780.65	1/2	2,477.34	1/2	2,174.03	1/2	1,870.72
3/4		3/4	4,287.52	3/4	3,987.54	3/4	3,684.25	3/4	3,380.95	3/4	3,077.65	3/4	2,774.33	3/4	2,471.02	3/4	2,167.71	3/4	1,864.40
1		1	4,281.90	1	3,981.22	1	3,677.93	1	3,374.63	1	3,071.33	1	2,768.02	1	2,464.70	1	2,161.39	1	1,858.08
1/4		1/4	4,276.28	1/4	3,974.90	1/4	3,671.61	1/4	3,368.32	1/4	3,065.01	1/4	2,761.70	1/4	2,458.38	1/4	2,155.07	1/4	1,851.76
1/2		1/2	4,270.05	1/2	3,968.58	1/2	3,665.29	1/2	3,362.00	1/2	3,058.69	1/2	2,755.38	1/2	2,452.07	1/2	2,148.75	1/2	1,845.44
3/4		3/4	4,263.83	3/4	3,962.26	3/4	3,658.97	3/4	3,355.68	3/4	3,052.37	3/4	2,749.06	3/4	2,445.75	3/4	2,142.43	3/4	1,839.12
2		2	4,257.60	2	3,955.95	2	3,652.65	2	3,349.36	2	3,046.05	2	2,742.74	2	2,439.43	2	2,136.12	2	1,832.80
1/4		1/4	4,251.38	1/4	3,949.63	1/4	3,646.33	1/4	3,343.04	1/4	3,039.73	1/4	2,736.42	1/4	2,433.11	1/4	2,129.80	1/4	1,826.48
1/2		1/2	4,245.13	1/2	3,943.31	1/2	3,640.02	1/2	3,336.72	1/2	3,033.41	1/2	2,730.10	1/2	2,426.79	1/2	2,123.48	1/2	1,820.17
3/4		3/4	4,238.88	3/4	3,936.99	3/4	3,633.70	3/4	3,330.40	3/4	3,027.09	3/4	2,723.78	3/4	2,420.47	3/4	2,117.16	3/4	1,813.85
3		3	4,232.63	3	3,930.67	3	3,627.38	3	3,324.09	3	3,020.78	3	2,717.46	3	2,414.15	3	2,110.84	3	1,807.53
1/4		1/4	4,226.39	1/4	3,924.35	1/4	3,621.06	1/4	3,317.77	1/4	3,014.46	1/4	2,711.14	1/4	2,407.83	1/4	2,104.52	1/4	1,801.21
1/2		1/2	4,220.13	1/2	3,918.03	1/2	3,614.74	1/2	3,311.45	1/2	3,008.14	1/2	2,704.83	1/2	2,401.51	1/2	2,098.20	1/2	1,794.89
3/4		3/4	4,213.88	3/4	3,911.72	3/4	3,608.42	3/4	3,305.13	3/4	3,001.82	3/4	2,698.51	3/4	2,395.19	3/4	2,091.88	3/4	1,788.57
4		4	4,207.62	4	3,905.40	4	3,602.10	4	3,298.81	4	2,995.50	4	2,692.19	4	2,388.88	4	2,085.56	4	1,782.25
1/4		1/4	4,201.37	1/4	3,899.08	1/4	3,595.79	1/4	3,292.49	1/4	2,989.18	1/4	2,685.87	1/4	2,382.56	1/4	2,079.24	1/4	1,775.93
1/2		1/2	4,195.11	1/2	3,892.76	1/2	3,589.47	1/2	3,286.17	1/2	2,982.86	1/2	2,679.55	1/2	2,376.24	1/2	2,072.93	1/2	1,769.61
3/4		3/4	4,188.86	3/4	3,886.44	3/4	3,583.15	3/4	3,279.85	3/4	2,976.54	3/4	2,673.23	3/4	2,369.92	3/4	2,066.61	3/4	1,763.29
5		5	4,182.60	5	3,880.12	5	3,576.83	5	3,273.54	5	2,970.22	5	2,666.91	5	2,363.60	5	2,060.29	5	1,756.98
1/4		1/4	4,176.35	1/4	3,873.80	1/4	3,570.51	1/4	3,267.22	1/4	2,963.90	1/4	2,660.59	1/4	2,357.28	1/4	2,053.97	1/4	1,750.66
1/2		1/2	4,170.09	1/2	3,867.48	1/2	3,564.19	1/2	3,260.90	1/2	2,957.59	1/2	2,654.27	1/2	2,350.96	1/2	2,047.65	1/2	1,744.34
3/4		3/4	4,163.83	3/4	3,861.17	3/4	3,557.87	3/4	3,254.58	3/4	2,951.27	3/4	2,647.95	3/4	2,344.64	3/4	2,041.33	3/4	1,738.02
6		6	4,157.58	6	3,854.85	6	3,551.55	6	3,248.26	6	2,944.95	6	2,641.64	6	2,338.32	6	2,035.01	6	1,731.70
1/4		1/4	4,151.32	1/4	3,848.53	1/4	3,545.24	1/4	3,241.94	1/4	2,938.63	1/4	2,635.32	1/4	2,332.00	1/4	2,028.69	1/4	1,725.38
1/2		1/2	4,145.07	1/2	3,842.21	1/2	3,538.92	1/2	3,235.62	1/2	2,932.31	1/2	2,629.00	1/2	2,325.69	1/2	2,022.37	1/2	1,719.06
3/4		3/4	4,138.81	3/4	3,835.89	3/4	3,532.60	3/4	3,229.30	3/4	2,925.99	3/4	2,622.68	3/4	2,319.37	3/4	2,016.05	3/4	1,712.74
7		7	4,132.55	7	3,829.57	7	3,526.28	7	3,222.98	7	2,919.67	7	2,616.36	7	2,313.05	7	2,009.74	7	1,706.42
1/4		1/4	4,126.30	1/4	3,823.25	1/4	3,519.96	1/4	3,216.66	1/4	2,913.35	1/4	2,610.04	1/4	2,306.73	1/4	2,003.42	1/4	1,700.10
1/2		1/2	4,120.04	1/2	3,816.94	1/2	3,513.64	1/2	3,210.35	1/2	2,907.03	1/2	2,603.72	1/2	2,300.41	1/2	1,997.10	1/2	1,693.79
3/4		3/4	4,113.79	3/4	3,810.62	3/4	3,507.32	3/4	3,204.03	3/4	2,900.71	3/4	2,597.40	3/4	2,294.09	3/4	1,990.78	3/4	1,687.47
8		8	4,107.53	8	3,804.30	8	3,501.01	8	3,197.71	8	2,894.40	8	2,591.08	8	2,287.77	8	1,984.46	8	1,681.15
1/4		1/4	4,101.27	1/4	3,797.98	1/4	3,494.69	1/4	3,191.39	1/4	2,888.08	1/4	2,584.76	1/4	2,281.45	1/4	1,978.14	1/4	1,674.83
1/2		1/2	4,094.95	1/2	3,791.66	1/2	3,488.37	1/2	3,185.07	1/2	2,881.76	1/2	2,578.45	1/2	2,275.13	1/2	1,971.82	1/2	1,668.51
3/4		3/4	4,088.64	3/4	3,785.34	3/4	3,482.05	3/4	3,178.75	3/4	2,875.44	3/4	2,572.13	3/4	2,268.81	3/4	1,965.50	3/4	1,662.19
9		9	4,082.32	9	3,779.02	9	3,475.73	9	3,172.43	9	2,869.12	9	2,565.81	9	2,262.50	9	1,959.18	9	1,655.87
1/4		1/4	4,076.00	1/4	3,772.71	1/4	3,469.41	1/4	3,166.11	1/4	2,862.80	1/4	2,559.49	1/4	2,256.18	1/4	1,952.86	1/4	1,649.55
1/2		1/2	4,069.68	1/2	3,766.39	1/2	3,463.09	1/2	3,159.79	1/2	2,856.48	1/2	2,553.17	1/2	2,249.86	1/2	1,946.55	1/2	1,643.23
3/4		3/4	4,063.36	3/4	3,760.07	3/4	3,456.78	3/4	3,153.47	3/4	2,850.16	3/4	2,546.85	3/4	2,243.54	3/4	1,940.23	3/4	1,636.91
10		10	4,057.04	10	3,753.75	10	3,450.46	10	3,147.16	10	2,843.84	10	2,540.53	10	2,237.22	10	1,933.91	10	1,630.60
1/4		1/4	4,050.72	1/4	3,747.43	1/4	3,444.14	1/4	3,140.84	1/4	2,837.52	1/4	2,534.21	1/4	2,230.90	1/4	1,927.59	1/4	1,624.28
1/2		1/2	4,044.41	1/2	3,741.11	1/2	3,437.82	1/2	3,134.52	1/2	2,831.21	1/2	2,527.89	1/2	2,224.58	1/2	1,921.27	1/2	1,617.96
3/4		3/4	4,038.09	3/4	3,734.79	3/4	3,431.50	3/4	3,128.20	3/4	2,824.89	3/4	2,521.57	3/4	2,218.26	3/4	1,914.95	3/4	1,611.64
11		11	4,031.77	11	3,728.48	11	3,425.18	11	3,121.88	11	2,818.57	11	2,515.26	11	2,211.94	11	1,908.63	11	1,605.32
1/4		1/4	4,025.45	1/4	3,722.16	1/4	3,418.86	1/4	3,115.56	1/4	2,812.25	1/4	2,508.94	1/4	2,205.62	1/4	1,902.31	1/4	1,599.00
1/2		1/2	4,019.13	1/2	3,715.84	1/2	3,412.55	1/2	3,109.24	1/2	2,805.93	1/2	2,502.62	1/2	2,199.31	1/2	1,895.99	1/2	1,592.68
3/4		3/4	4,012.81	3/4	3,709.52	3/4	3,406.23	3/4	3,102.92	3/4	2,799.61	3/4	2,496.30	3/4	2,192.99	3/4	1,889.67	3/4	1,586.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MM 304"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,580.04	0	1,278.32	0	975.01	0	671.87	0	368.56	0	67.97	0		0		0		0	
1/4	1,573.72	1/4	1,272.00	1/4	968.69	1/4	665.55	1/4	362.25	1/4	61.85	1/4		1/4		1/4		1/4	
1/2	1,567.41	1/2	1,265.68	1/2	962.37	1/2	659.23	1/2	355.93	1/2	56.34	1/2		1/2		1/2		1/2	
3/4	1,561.09	3/4	1,259.36	3/4	956.05	3/4	652.91	3/4	349.61	3/4	50.83	3/4		3/4		3/4		3/4	
1	1,554.77	1	1,253.04	1	949.73	1	646.59	1	343.29	1	45.32	1		1		1		1	
1/4	1,548.45	1/4	1,246.73	1/4	943.41	1/4	640.27	1/4	336.97	1/4	39.80	1/4		1/4		1/4		1/4	
1/2	1,542.13	1/2	1,240.41	1/2	937.09	1/2	633.95	1/2	330.65	1/2	35.55	1/2		1/2		1/2		1/2	
3/4	1,535.81	3/4	1,234.09	3/4	930.78	3/4	627.63	3/4	324.33	3/4	31.30	3/4		3/4		3/4		3/4	
2	1,529.49	2	1,227.77	2	924.46	2	621.32	2	318.01	2	27.05	2		2		2		2	
1/4	1,523.17	1/4	1,221.45	1/4	918.14	1/4	615.00	1/4	311.69	1/4	22.79	1/4		1/4		1/4		1/4	
1/2	1,516.85	1/2	1,215.13	1/2	911.82	1/2	608.68	1/2	305.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,510.53	3/4	1,208.81	3/4	905.50	3/4	602.36	3/4	299.06	3/4		3/4		3/4		3/4		3/4	
3	1,504.22	3	1,202.49	3	899.18	3	596.04	3	292.74	3		3		3		3		3	
1/4	1,497.90	1/4	1,196.17	1/4	892.86	1/4	589.72	1/4	286.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,491.68	1/2	1,189.85	1/2	886.55	1/2	583.40	1/2	280.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,485.46	3/4	1,183.54	3/4	880.23	3/4	577.08	3/4	273.78	3/4		3/4		3/4		3/4		3/4	
4	1,479.24	4	1,177.22	4	873.92	4	570.77	4	267.46	4		4		4		4		4	
1/4	1,473.02	1/4	1,170.90	1/4	867.61	1/4	564.45	1/4	261.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,466.80	1/2	1,164.58	1/2	861.29	1/2	558.13	1/2	254.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,460.58	3/4	1,158.26	3/4	854.98	3/4	551.81	3/4	248.51	3/4		3/4		3/4		3/4		3/4	
5	1,454.36	5	1,151.94	5	848.67	5	545.49	5	242.19	5		5		5		5		5	
1/4	1,448.14	1/4	1,145.62	1/4	842.35	1/4	539.17	1/4	235.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,441.92	1/2	1,139.30	1/2	836.04	1/2	532.85	1/2	229.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,435.70	3/4	1,132.98	3/4	829.72	3/4	526.53	3/4	223.23	3/4		3/4		3/4		3/4		3/4	
6	1,429.48	6	1,126.66	6	823.41	6	520.22	6	216.91	6		6		6		6		6	
1/4	1,423.26	1/4	1,120.35	1/4	817.10	1/4	513.90	1/4	210.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,417.04	1/2	1,114.03	1/2	810.78	1/2	507.58	1/2	204.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,410.82	3/4	1,107.71	3/4	804.47	3/4	501.26	3/4	197.96	3/4		3/4		3/4		3/4		3/4	
7	1,404.60	7	1,101.39	7	798.16	7	494.94	7	191.64	7		7		7		7		7	
1/4	1,398.38	1/4	1,095.07	1/4	791.84	1/4	488.62	1/4	185.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,392.06	1/2	1,088.75	1/2	785.53	1/2	482.30	1/2	179.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,385.74	3/4	1,082.43	3/4	779.21	3/4	475.98	3/4	172.68	3/4		3/4		3/4		3/4		3/4	
8	1,379.42	8	1,076.11	8	772.90	8	469.66	8	166.36	8		8		8		8		8	
1/4	1,373.11	1/4	1,069.79	1/4	766.59	1/4	463.35	1/4	160.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,366.79	1/2	1,063.47	1/2	760.27	1/2	457.03	1/2	153.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,360.47	3/4	1,057.16	3/4	753.96	3/4	450.71	3/4	147.75	3/4		3/4		3/4		3/4		3/4	
9	1,354.15	9	1,050.84	9	747.65	9	444.39	9	141.60	9		9		9		9		9	
1/4	1,347.83	1/4	1,044.52	1/4	741.33	1/4	438.07	1/4	135.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,341.51	1/2	1,038.20	1/2	735.02	1/2	431.75	1/2	129.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,335.19	3/4	1,031.88	3/4	728.71	3/4	425.43	3/4	123.16	3/4		3/4		3/4		3/4		3/4	
10	1,328.87	10	1,025.56	10	722.39	10	419.11	10	117.02	10		10		10		10		10	
1/4	1,322.55	1/4	1,019.24	1/4	716.08	1/4	412.80	1/4	110.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,316.23	1/2	1,012.92	1/2	709.76	1/2	406.48	1/2	104.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,309.92	3/4	1,006.60	3/4	703.45	3/4	400.16	3/4	98.59	3/4		3/4		3/4		3/4		3/4	
11	1,303.60	11	1,000.28	11	697.14	11	393.84	11	92.46	11		11		11		11		11	
1/4	1,297.28	1/4	993.97	1/4	690.82	1/4	387.52	1/4	86.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,290.96	1/2	987.65	1/2	684.50	1/2	381.20	1/2	80.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,284.64	3/4	981.33	3/4	678.19	3/4	374.88	3/4	74.09	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,001.73	0	3,698.26	0	3,394.79	0	3,091.31	0	2,787.83	0	2,484.34	0	2,180.86	0	1,877.37
1/4		1/4		1/4	3,995.41	1/4	3,691.94	1/4	3,388.47	1/4	3,084.99	1/4	2,781.51	1/4	2,478.02	1/4	2,174.54	1/4	1,871.05
1/2		1/2	4,287.86	1/2	3,989.09	1/2	3,685.62	1/2	3,382.15	1/2	3,078.67	1/2	2,775.18	1/2	2,471.70	1/2	2,168.21	1/2	1,864.73
3/4		3/4	4,282.23	3/4	3,982.77	3/4	3,679.30	3/4	3,375.83	3/4	3,072.35	3/4	2,768.86	3/4	2,465.38	3/4	2,161.89	3/4	1,858.41
1		1	4,276.61	1	3,976.44	1	3,672.97	1	3,369.50	1	3,066.02	1	2,762.54	1	2,459.05	1	2,155.57	1	1,852.08
1/4		1/4	4,270.98	1/4	3,970.12	1/4	3,666.65	1/4	3,363.18	1/4	3,059.70	1/4	2,756.22	1/4	2,452.73	1/4	2,149.25	1/4	1,845.76
1/2		1/2	4,265.36	1/2	3,963.80	1/2	3,660.33	1/2	3,356.86	1/2	3,053.38	1/2	2,749.89	1/2	2,446.41	1/2	2,142.92	1/2	1,839.44
3/4		3/4	4,259.13	3/4	3,957.48	3/4	3,654.01	3/4	3,350.54	3/4	3,047.06	3/4	2,743.57	3/4	2,440.09	3/4	2,136.60	3/4	1,833.12
2		2	4,252.90	2	3,951.16	2	3,647.68	2	3,344.21	2	3,040.73	2	2,737.25	2	2,433.76	2	2,130.28	2	1,826.79
1/4		1/4	4,246.67	1/4	3,944.83	1/4	3,641.36	1/4	3,337.89	1/4	3,034.41	1/4	2,730.93	1/4	2,427.44	1/4	2,123.96	1/4	1,820.47
1/2		1/2	4,240.44	1/2	3,938.51	1/2	3,635.04	1/2	3,331.57	1/2	3,028.09	1/2	2,724.60	1/2	2,421.12	1/2	2,117.63	1/2	1,814.15
3/4		3/4	4,234.19	3/4	3,932.19	3/4	3,628.72	3/4	3,325.25	3/4	3,021.76	3/4	2,718.28	3/4	2,414.80	3/4	2,111.31	3/4	1,807.83
3		3	4,227.94	3	3,925.87	3	3,622.40	3	3,318.93	3	3,015.44	3	2,711.96	3	2,408.47	3	2,104.99	3	1,801.50
1/4		1/4	4,221.69	1/4	3,919.54	1/4	3,616.07	1/4	3,312.60	1/4	3,009.12	1/4	2,705.63	1/4	2,402.15	1/4	2,098.67	1/4	1,795.18
1/2		1/2	4,215.43	1/2	3,913.22	1/2	3,609.75	1/2	3,306.28	1/2	3,002.80	1/2	2,699.31	1/2	2,395.83	1/2	2,092.34	1/2	1,788.86
3/4		3/4	4,209.18	3/4	3,906.90	3/4	3,603.43	3/4	3,299.96	3/4	2,996.47	3/4	2,692.99	3/4	2,389.50	3/4	2,086.02	3/4	1,782.54
4		4	4,202.92	4	3,900.58	4	3,597.11	4	3,293.64	4	2,990.15	4	2,686.67	4	2,383.18	4	2,079.70	4	1,776.21
1/4		1/4	4,196.66	1/4	3,894.25	1/4	3,590.78	1/4	3,287.31	1/4	2,983.83	1/4	2,680.34	1/4	2,376.86	1/4	2,073.37	1/4	1,769.89
1/2		1/2	4,190.40	1/2	3,887.93	1/2	3,584.46	1/2	3,280.99	1/2	2,977.51	1/2	2,674.02	1/2	2,370.54	1/2	2,067.05	1/2	1,763.57
3/4		3/4	4,184.14	3/4	3,881.61	3/4	3,578.14	3/4	3,274.67	3/4	2,971.18	3/4	2,667.70	3/4	2,364.21	3/4	2,060.73	3/4	1,757.24
5		5	4,177.88	5	3,875.29	5	3,571.82	5	3,268.35	5	2,964.86	5	2,661.38	5	2,357.89	5	2,054.41	5	1,750.92
1/4		1/4	4,171.62	1/4	3,868.97	1/4	3,565.49	1/4	3,262.02	1/4	2,958.54	1/4	2,655.05	1/4	2,351.57	1/4	2,048.08	1/4	1,744.60
1/2		1/2	4,165.36	1/2	3,862.64	1/2	3,559.17	1/2	3,255.70	1/2	2,952.22	1/2	2,648.73	1/2	2,345.25	1/2	2,041.76	1/2	1,738.28
3/4		3/4	4,159.10	3/4	3,856.32	3/4	3,552.85	3/4	3,249.38	3/4	2,945.89	3/4	2,642.41	3/4	2,338.92	3/4	2,035.44	3/4	1,731.95
6		6	4,152.84	6	3,850.00	6	3,546.53	6	3,243.06	6	2,939.57	6	2,636.09	6	2,332.60	6	2,029.12	6	1,725.63
1/4		1/4	4,146.58	1/4	3,843.68	1/4	3,540.21	1/4	3,236.73	1/4	2,933.25	1/4	2,629.76	1/4	2,326.28	1/4	2,022.79	1/4	1,719.31
1/2		1/2	4,140.32	1/2	3,837.35	1/2	3,533.88	1/2	3,230.41	1/2	2,926.93	1/2	2,623.44	1/2	2,319.96	1/2	2,016.47	1/2	1,712.99
3/4		3/4	4,134.06	3/4	3,831.03	3/4	3,527.56	3/4	3,224.09	3/4	2,920.60	3/4	2,617.12	3/4	2,313.63	3/4	2,010.15	3/4	1,706.66
7		7	4,127.80	7	3,824.71	7	3,521.24	7	3,217.77	7	2,914.28	7	2,610.80	7	2,307.31	7	2,003.83	7	1,700.34
1/4		1/4	4,121.54	1/4	3,818.39	1/4	3,514.92	1/4	3,211.44	1/4	2,907.96	1/4	2,604.47	1/4	2,300.99	1/4	1,997.50	1/4	1,694.02
1/2		1/2	4,115.28	1/2	3,812.06	1/2	3,508.59	1/2	3,205.12	1/2	2,901.64	1/2	2,598.15	1/2	2,294.67	1/2	1,991.18	1/2	1,687.70
3/4		3/4	4,109.02	3/4	3,805.74	3/4	3,502.27	3/4	3,198.80	3/4	2,895.31	3/4	2,591.83	3/4	2,288.34	3/4	1,984.86	3/4	1,681.37
8		8	4,102.76	8	3,799.42	8	3,495.95	8	3,192.47	8	2,888.99	8	2,585.51	8	2,282.02	8	1,978.54	8	1,675.05
1/4		1/4	4,096.51	1/4	3,793.10	1/4	3,489.63	1/4	3,186.15	1/4	2,882.67	1/4	2,579.18	1/4	2,275.70	1/4	1,972.21	1/4	1,668.73
1/2		1/2	4,090.25	1/2	3,786.78	1/2	3,483.30	1/2	3,179.83	1/2	2,876.34	1/2	2,572.86	1/2	2,269.38	1/2	1,965.89	1/2	1,662.41
3/4		3/4	4,083.92	3/4	3,780.45	3/4	3,476.98	3/4	3,173.51	3/4	2,870.02	3/4	2,566.54	3/4	2,263.05	3/4	1,959.57	3/4	1,656.08
9		9	4,077.60	9	3,774.13	9	3,470.66	9	3,167.18	9	2,863.70	9	2,560.21	9	2,256.73	9	1,953.25	9	1,649.76
1/4		1/4	4,071.28	1/4	3,767.81	1/4	3,464.34	1/4	3,160.86	1/4	2,857.38	1/4	2,553.89	1/4	2,250.41	1/4	1,946.92	1/4	1,643.44
1/2		1/2	4,064.96	1/2	3,761.49	1/2	3,458.02	1/2	3,154.54	1/2	2,851.05	1/2	2,547.57	1/2	2,244.08	1/2	1,940.60	1/2	1,637.12
3/4		3/4	4,058.63	3/4	3,755.16	3/4	3,451.69	3/4	3,148.22	3/4	2,844.73	3/4	2,541.25	3/4	2,237.76	3/4	1,934.28	3/4	1,630.79
10		10	4,052.31	10	3,748.84	10	3,445.37	10	3,141.89	10	2,838.41	10	2,534.92	10	2,231.44	10	1,927.95	10	1,624.47
1/4		1/4	4,045.99	1/4	3,742.52	1/4	3,439.05	1/4	3,135.57	1/4	2,832.09	1/4	2,528.60	1/4	2,225.12	1/4	1,921.63	1/4	1,618.15
1/2		1/2	4,039.67	1/2	3,736.20	1/2	3,432.73	1/2	3,129.25	1/2	2,825.76	1/2	2,522.28	1/2	2,218.79	1/2	1,915.31	1/2	1,611.82
3/4		3/4	4,033.34	3/4	3,729.87	3/4	3,426.40	3/4	3,122.93	3/4	2,819.44	3/4	2,515.96	3/4	2,212.47	3/4	1,908.99	3/4	1,605.50
11		11	4,027.02	11	3,723.55	11	3,420.08	11	3,116.60	11	2,813.12	11	2,509.63	11	2,206.15	11	1,902.66	11	1,599.18
1/4		1/4	4,020.70	1/4	3,717.23	1/4	3,413.76	1/4	3,110.28	1/4	2,806.80	1/4	2,503.31	1/4	2,199.83	1/4	1,896.34	1/4	1,592.86
1/2		1/2	4,014.38	1/2	3,710.91	1/2	3,407.44	1/2	3,103.96	1/2	2,800.47	1/2	2,496.99	1/2	2,193.50	1/2	1,890.02	1/2	1,586.53
3/4		3/4	4,008.06	3/4	3,704.59	3/4	3,401.11	3/4	3,097.64	3/4	2,794.15	3/4	2,490.67	3/4	2,187.18	3/4	1,883.70	3/4	1,580.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MM 304"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,573.89	0	1,271.99	0	969.06	0	678.57	0	375.10	0	74.13	0		0		0		0	
1/4	1,567.57	1/4	1,265.67	1/4	963.02	1/4	672.25	1/4	368.78	1/4	68.01	1/4		1/4		1/4		1/4	
1/2	1,561.24	1/2	1,259.35	1/2	956.98	1/2	665.93	1/2	362.45	1/2	61.89	1/2		1/2		1/2		1/2	
3/4	1,554.92	3/4	1,253.02	3/4	950.93	3/4	659.61	3/4	356.13	3/4	56.37	3/4		3/4		3/4		3/4	
1	1,548.60	1	1,246.70	1	944.89	1	653.28	1	349.81	1	50.86	1		1		1		1	
1/4	1,542.28	1/4	1,240.38	1/4	938.84	1/4	646.96	1/4	343.49	1/4	45.34	1/4		1/4		1/4		1/4	
1/2	1,535.95	1/2	1,234.06	1/2	932.80	1/2	640.64	1/2	337.16	1/2	39.82	1/2		1/2		1/2		1/2	
3/4	1,529.63	3/4	1,227.73	3/4	926.76	3/4	634.32	3/4	330.84	3/4	35.57	3/4		3/4		3/4		3/4	
2	1,523.31	2	1,221.41	2	920.71	2	627.99	2	324.52	2	31.31	2		2		2		2	
1/4	1,516.99	1/4	1,215.09	1/4	914.67	1/4	621.67	1/4	318.20	1/4	27.06	1/4		1/4		1/4		1/4	
1/2	1,510.66	1/2	1,208.77	1/2	908.63	1/2	615.35	1/2	311.87	1/2	22.81	1/2		1/2		1/2		1/2	
3/4	1,504.34	3/4	1,202.44	3/4	902.58	3/4	609.03	3/4	305.55	3/4		3/4		3/4		3/4		3/4	
3	1,498.02	3	1,196.12	3	896.54	3	602.70	3	299.23	3		3		3		3		3	
1/4	1,491.70	1/4	1,189.80	1/4	890.49	1/4	596.38	1/4	292.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,485.37	1/2	1,183.48	1/2	884.45	1/2	590.06	1/2	286.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,479.15	3/4	1,177.15	3/4	878.41	3/4	583.74	3/4	280.26	3/4		3/4		3/4		3/4		3/4	
4	1,472.93	4	1,170.83	4	872.37	4	577.41	4	273.94	4		4		4		4		4	
1/4	1,466.70	1/4	1,164.51	1/4	866.33	1/4	571.09	1/4	267.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,460.48	1/2	1,158.18	1/2	860.30	1/2	564.77	1/2	261.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,454.26	3/4	1,151.86	3/4	854.26	3/4	558.45	3/4	254.97	3/4		3/4		3/4		3/4		3/4	
5	1,448.03	5	1,145.54	5	848.22	5	552.12	5	248.65	5		5		5		5		5	
1/4	1,441.81	1/4	1,139.22	1/4	842.18	1/4	545.80	1/4	242.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,435.59	1/2	1,132.89	1/2	836.14	1/2	539.48	1/2	236.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,429.36	3/4	1,126.57	3/4	830.10	3/4	533.16	3/4	229.68	3/4		3/4		3/4		3/4		3/4	
6	1,423.14	6	1,120.25	6	824.06	6	526.84	6	223.36	6		6		6		6		6	
1/4	1,416.92	1/4	1,113.93	1/4	818.03	1/4	520.51	1/4	217.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,410.69	1/2	1,107.60	1/2	811.99	1/2	514.19	1/2	210.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,404.47	3/4	1,101.28	3/4	805.95	3/4	507.87	3/4	204.39	3/4		3/4		3/4		3/4		3/4	
7	1,398.25	7	1,094.96	7	799.91	7	501.55	7	198.07	7		7		7		7		7	
1/4	1,392.02	1/4	1,088.64	1/4	793.87	1/4	495.22	1/4	191.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,385.80	1/2	1,082.31	1/2	787.83	1/2	488.90	1/2	185.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,379.48	3/4	1,075.99	3/4	781.80	3/4	482.58	3/4	179.10	3/4		3/4		3/4		3/4		3/4	
8	1,373.15	8	1,069.67	8	775.76	8	476.26	8	172.78	8		8		8		8		8	
1/4	1,366.83	1/4	1,063.35	1/4	769.72	1/4	469.93	1/4	166.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,360.51	1/2	1,057.02	1/2	763.68	1/2	463.61	1/2	160.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,354.19	3/4	1,050.70	3/4	757.64	3/4	457.29	3/4	153.98	3/4		3/4		3/4		3/4		3/4	
9	1,347.86	9	1,044.38	9	751.60	9	450.97	9	147.83	9		9		9		9		9	
1/4	1,341.54	1/4	1,038.06	1/4	745.56	1/4	444.64	1/4	141.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,335.22	1/2	1,031.73	1/2	739.53	1/2	438.32	1/2	135.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,328.90	3/4	1,025.41	3/4	733.49	3/4	432.00	3/4	129.38	3/4		3/4		3/4		3/4		3/4	
10	1,322.57	10	1,019.09	10	727.45	10	425.68	10	123.23	10		10		10		10		10	
1/4	1,316.25	1/4	1,012.77	1/4	721.41	1/4	419.35	1/4	117.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,309.93	1/2	1,006.44	1/2	715.37	1/2	413.03	1/2	110.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,303.60	3/4	1,000.12	3/4	709.33	3/4	406.71	3/4	104.79	3/4		3/4		3/4		3/4		3/4	
11	1,297.28	11	993.80	11	703.29	11	400.39	11	98.65	11		11		11		11		11	
1/4	1,290.96	1/4	987.47	1/4	697.26	1/4	394.06	1/4	92.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,284.64	1/2	981.15	1/2	691.22	1/2	387.74	1/2	86.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,278.31	3/4	975.11	3/4	684.90	3/4	381.42	3/4	80.25	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,013.97	0	3,710.59	0	3,407.21	0	3,103.81	0	2,800.41	0	2,497.02	0	2,193.62	0	1,890.22
1/4		1/4		1/4	4,007.65	1/4	3,704.27	1/4	3,400.89	1/4	3,097.49	1/4	2,794.09	1/4	2,490.70	1/4	2,187.30	1/4	1,883.90
1/2		1/2	4,300.02	1/2	4,001.33	1/2	3,697.95	1/2	3,394.57	1/2	3,091.17	1/2	2,787.77	1/2	2,484.37	1/2	2,180.98	1/2	1,877.58
3/4		3/4	4,294.40	3/4	3,995.01	3/4	3,691.63	3/4	3,388.24	3/4	3,084.85	3/4	2,781.45	3/4	2,478.05	3/4	2,174.66	3/4	1,871.26
1		1	4,288.77	1	3,988.69	1	3,685.31	1	3,381.92	1	3,078.53	1	2,775.13	1	2,471.73	1	2,168.33	1	1,864.94
1/4		1/4	4,283.15	1/4	3,982.37	1/4	3,678.99	1/4	3,375.60	1/4	3,072.21	1/4	2,768.81	1/4	2,465.41	1/4	2,162.01	1/4	1,858.62
1/2		1/2	4,277.52	1/2	3,976.05	1/2	3,672.67	1/2	3,369.28	1/2	3,065.89	1/2	2,762.49	1/2	2,459.09	1/2	2,155.69	1/2	1,852.29
3/4		3/4	4,271.29	3/4	3,969.73	3/4	3,666.35	3/4	3,362.96	3/4	3,059.57	3/4	2,756.17	3/4	2,452.77	3/4	2,149.37	3/4	1,845.97
2		2	4,265.07	2	3,963.41	2	3,660.03	2	3,356.64	2	3,053.25	2	2,749.85	2	2,446.45	2	2,143.05	2	1,839.65
1/4		1/4	4,258.84	1/4	3,957.09	1/4	3,653.71	1/4	3,350.32	1/4	3,046.93	1/4	2,743.53	1/4	2,440.13	1/4	2,136.73	1/4	1,833.33
1/2		1/2	4,252.61	1/2	3,950.77	1/2	3,647.39	1/2	3,344.00	1/2	3,040.61	1/2	2,737.21	1/2	2,433.81	1/2	2,130.41	1/2	1,827.01
3/4		3/4	4,246.36	3/4	3,944.45	3/4	3,641.06	3/4	3,337.68	3/4	3,034.28	3/4	2,730.89	3/4	2,427.49	3/4	2,124.09	3/4	1,820.69
3		3	4,240.11	3	3,938.13	3	3,634.74	3	3,331.36	3	3,027.96	3	2,724.57	3	2,421.17	3	2,117.77	3	1,814.37
1/4		1/4	4,233.87	1/4	3,931.81	1/4	3,628.42	1/4	3,325.04	1/4	3,021.64	1/4	2,718.24	1/4	2,414.85	1/4	2,111.45	1/4	1,808.05
1/2		1/2	4,227.62	1/2	3,925.49	1/2	3,622.10	1/2	3,318.72	1/2	3,015.32	1/2	2,711.92	1/2	2,408.53	1/2	2,105.13	1/2	1,801.73
3/4		3/4	4,221.36	3/4	3,919.17	3/4	3,615.78	3/4	3,312.40	3/4	3,009.00	3/4	2,705.60	3/4	2,402.20	3/4	2,098.81	3/4	1,795.41
4		4	4,215.10	4	3,912.85	4	3,609.46	4	3,306.08	4	3,002.68	4	2,699.28	4	2,395.88	4	2,092.49	4	1,789.09
1/4		1/4	4,208.84	1/4	3,906.53	1/4	3,603.14	1/4	3,299.76	1/4	2,996.36	1/4	2,692.96	1/4	2,389.56	1/4	2,086.16	1/4	1,782.77
1/2		1/2	4,202.58	1/2	3,900.21	1/2	3,596.82	1/2	3,293.44	1/2	2,990.04	1/2	2,686.64	1/2	2,383.24	1/2	2,079.84	1/2	1,776.45
3/4		3/4	4,196.32	3/4	3,893.88	3/4	3,590.50	3/4	3,287.12	3/4	2,983.72	3/4	2,680.32	3/4	2,376.92	3/4	2,073.52	3/4	1,770.12
5		5	4,190.07	5	3,887.56	5	3,584.18	5	3,280.80	5	2,977.40	5	2,674.00	5	2,370.60	5	2,067.20	5	1,763.80
1/4		1/4	4,183.81	1/4	3,881.24	1/4	3,577.86	1/4	3,274.47	1/4	2,971.08	1/4	2,667.68	1/4	2,364.28	1/4	2,060.88	1/4	1,757.48
1/2		1/2	4,177.55	1/2	3,874.92	1/2	3,571.54	1/2	3,268.15	1/2	2,964.76	1/2	2,661.36	1/2	2,357.96	1/2	2,054.56	1/2	1,751.16
3/4		3/4	4,171.29	3/4	3,868.60	3/4	3,565.22	3/4	3,261.83	3/4	2,958.43	3/4	2,655.04	3/4	2,351.64	3/4	2,048.24	3/4	1,744.84
6		6	4,165.04	6	3,862.28	6	3,558.90	6	3,255.51	6	2,952.11	6	2,648.72	6	2,345.32	6	2,041.92	6	1,738.52
1/4		1/4	4,158.78	1/4	3,855.96	1/4	3,552.58	1/4	3,249.19	1/4	2,945.79	1/4	2,642.39	1/4	2,339.00	1/4	2,035.60	1/4	1,732.20
1/2		1/2	4,152.52	1/2	3,849.64	1/2	3,546.26	1/2	3,242.87	1/2	2,939.47	1/2	2,636.07	1/2	2,332.68	1/2	2,029.28	1/2	1,725.88
3/4		3/4	4,146.26	3/4	3,843.32	3/4	3,539.94	3/4	3,236.55	3/4	2,933.15	3/4	2,629.75	3/4	2,326.35	3/4	2,022.96	3/4	1,719.56
7		7	4,140.01	7	3,837.00	7	3,533.62	7	3,230.23	7	2,926.83	7	2,623.43	7	2,320.03	7	2,016.64	7	1,713.24
1/4		1/4	4,133.75	1/4	3,830.68	1/4	3,527.30	1/4	3,223.91	1/4	2,920.51	1/4	2,617.11	1/4	2,313.71	1/4	2,010.31	1/4	1,706.92
1/2		1/2	4,127.49	1/2	3,824.36	1/2	3,520.98	1/2	3,217.59	1/2	2,914.19	1/2	2,610.79	1/2	2,307.39	1/2	2,003.99	1/2	1,700.60
3/4		3/4	4,121.23	3/4	3,818.04	3/4	3,514.65	3/4	3,211.27	3/4	2,907.87	3/4	2,604.47	3/4	2,301.07	3/4	1,997.67	3/4	1,694.27
8		8	4,114.98	8	3,811.72	8	3,508.33	8	3,204.95	8	2,901.55	8	2,598.15	8	2,294.75	8	1,991.35	8	1,687.95
1/4		1/4	4,108.72	1/4	3,805.40	1/4	3,502.01	1/4	3,198.63	1/4	2,895.23	1/4	2,591.83	1/4	2,288.43	1/4	1,985.03	1/4	1,681.63
1/2		1/2	4,102.46	1/2	3,799.08	1/2	3,495.69	1/2	3,192.30	1/2	2,888.91	1/2	2,585.51	1/2	2,282.11	1/2	1,978.71	1/2	1,675.31
3/4		3/4	4,096.14	3/4	3,792.76	3/4	3,489.37	3/4	3,185.98	3/4	2,882.59	3/4	2,579.19	3/4	2,275.79	3/4	1,972.39	3/4	1,668.99
9		9	4,089.82	9	3,786.44	9	3,483.05	9	3,179.66	9	2,876.26	9	2,572.87	9	2,269.47	9	1,966.07	9	1,662.67
1/4		1/4	4,083.50	1/4	3,780.12	1/4	3,476.73	1/4	3,173.34	1/4	2,869.94	1/4	2,566.55	1/4	2,263.15	1/4	1,959.75	1/4	1,656.35
1/2		1/2	4,077.18	1/2	3,773.80	1/2	3,470.41	1/2	3,167.02	1/2	2,863.62	1/2	2,560.22	1/2	2,256.83	1/2	1,953.43	1/2	1,650.03
3/4		3/4	4,070.86	3/4	3,767.47	3/4	3,464.09	3/4	3,160.70	3/4	2,857.30	3/4	2,553.90	3/4	2,250.51	3/4	1,947.11	3/4	1,643.71
10		10	4,064.54	10	3,761.15	10	3,457.77	10	3,154.38	10	2,850.98	10	2,547.58	10	2,244.18	10	1,940.79	10	1,637.39
1/4		1/4	4,058.22	1/4	3,754.83	1/4	3,451.45	1/4	3,148.06	1/4	2,844.66	1/4	2,541.26	1/4	2,237.86	1/4	1,934.47	1/4	1,631.07
1/2		1/2	4,051.90	1/2	3,748.51	1/2	3,445.13	1/2	3,141.74	1/2	2,838.34	1/2	2,534.94	1/2	2,231.54	1/2	1,928.14	1/2	1,624.75
3/4		3/4	4,045.58	3/4	3,742.19	3/4	3,438.81	3/4	3,135.42	3/4	2,832.02	3/4	2,528.62	3/4	2,225.22	3/4	1,921.82	3/4	1,618.43
11		11	4,039.26	11	3,735.87	11	3,432.49	11	3,129.10	11	2,825.70	11	2,522.30	11	2,218.90	11	1,915.50	11	1,612.10
1/4		1/4	4,032.94	1/4	3,729.55	1/4	3,426.17	1/4	3,122.78	1/4	2,819.38	1/4	2,515.98	1/4	2,212.58	1/4	1,909.18	1/4	1,605.78
1/2		1/2	4,026.62	1/2	3,723.23	1/2	3,419.85	1/2	3,116.45	1/2	2,813.06	1/2	2,509.66	1/2	2,206.26	1/2	1,902.86	1/2	1,599.46
3/4		3/4	4,020.29	3/4	3,716.91	3/4	3,413.53	3/4	3,110.13	3/4	2,806.74	3/4	2,503.34	3/4	2,199.94	3/4	1,896.54	3/4	1,593.14

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MM 304"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,586.82	0	1,285.01	0	981.61	0	678.38	0	374.99	0	74.11	0		0		0		0	
1/4	1,580.50	1/4	1,278.69	1/4	975.29	1/4	672.06	1/4	368.67	1/4	67.99	1/4		1/4		1/4		1/4	
1/2	1,574.18	1/2	1,272.37	1/2	968.97	1/2	665.74	1/2	362.35	1/2	61.87	1/2		1/2		1/2		1/2	
3/4	1,567.86	3/4	1,266.05	3/4	962.65	3/4	659.42	3/4	356.03	3/4	56.36	3/4		3/4		3/4		3/4	
1	1,561.54	1	1,259.73	1	956.33	1	653.10	1	349.71	1	50.84	1		1		1		1	
1/4	1,555.22	1/4	1,253.41	1/4	950.01	1/4	646.78	1/4	343.39	1/4	45.33	1/4		1/4		1/4		1/4	
1/2	1,548.90	1/2	1,247.09	1/2	943.69	1/2	640.46	1/2	337.07	1/2	39.82	1/2		1/2		1/2		1/2	
3/4	1,542.58	3/4	1,240.76	3/4	937.37	3/4	634.14	3/4	330.75	3/4	35.56	3/4		3/4		3/4		3/4	
2	1,536.25	2	1,234.44	2	931.05	2	627.82	2	324.43	2	31.31	2		2		2		2	
1/4	1,529.93	1/4	1,228.12	1/4	924.72	1/4	621.49	1/4	318.11	1/4	27.06	1/4		1/4		1/4		1/4	
1/2	1,523.61	1/2	1,221.80	1/2	918.40	1/2	615.17	1/2	311.79	1/2	22.80	1/2		1/2		1/2		1/2	
3/4	1,517.29	3/4	1,215.48	3/4	912.08	3/4	608.85	3/4	305.46	3/4		3/4		3/4		3/4		3/4	
3	1,510.97	3	1,209.16	3	905.76	3	602.53	3	299.14	3		3		3		3		3	
1/4	1,504.65	1/4	1,202.84	1/4	899.44	1/4	596.21	1/4	292.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,498.33	1/2	1,196.52	1/2	893.12	1/2	589.89	1/2	286.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,492.11	3/4	1,190.20	3/4	886.80	3/4	583.57	3/4	280.18	3/4		3/4		3/4		3/4		3/4	
4	1,485.89	4	1,183.88	4	880.49	4	577.25	4	273.86	4		4		4		4		4	
1/4	1,479.67	1/4	1,177.56	1/4	874.17	1/4	570.93	1/4	267.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.44	1/2	1,171.24	1/2	867.86	1/2	564.61	1/2	261.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,467.22	3/4	1,164.91	3/4	861.54	3/4	558.29	3/4	254.90	3/4		3/4		3/4		3/4		3/4	
5	1,461.00	5	1,158.59	5	855.23	5	551.97	5	248.58	5		5		5		5		5	
1/4	1,454.78	1/4	1,152.27	1/4	848.91	1/4	545.65	1/4	242.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,448.56	1/2	1,145.95	1/2	842.60	1/2	539.33	1/2	235.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,442.34	3/4	1,139.63	3/4	836.28	3/4	533.01	3/4	229.62	3/4		3/4		3/4		3/4		3/4	
6	1,436.11	6	1,133.31	6	829.96	6	526.69	6	223.30	6		6		6		6		6	
1/4	1,429.89	1/4	1,126.99	1/4	823.65	1/4	520.37	1/4	216.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,423.67	1/2	1,120.67	1/2	817.33	1/2	514.04	1/2	210.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,417.45	3/4	1,114.35	3/4	811.02	3/4	507.72	3/4	204.34	3/4		3/4		3/4		3/4		3/4	
7	1,411.23	7	1,108.03	7	804.70	7	501.40	7	198.01	7		7		7		7		7	
1/4	1,405.01	1/4	1,101.71	1/4	798.39	1/4	495.08	1/4	191.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,398.78	1/2	1,095.39	1/2	792.07	1/2	488.76	1/2	185.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,392.46	3/4	1,089.07	3/4	785.76	3/4	482.44	3/4	179.05	3/4		3/4		3/4		3/4		3/4	
8	1,386.14	8	1,082.74	8	779.44	8	476.12	8	172.73	8		8		8		8		8	
1/4	1,379.82	1/4	1,076.42	1/4	773.12	1/4	469.80	1/4	166.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,373.50	1/2	1,070.10	1/2	766.81	1/2	463.48	1/2	160.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,367.18	3/4	1,063.78	3/4	760.49	3/4	457.16	3/4	153.94	3/4		3/4		3/4		3/4		3/4	
9	1,360.86	9	1,057.46	9	754.18	9	450.84	9	147.79	9		9		9		9		9	
1/4	1,354.54	1/4	1,051.14	1/4	747.86	1/4	444.52	1/4	141.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,348.22	1/2	1,044.82	1/2	741.55	1/2	438.20	1/2	135.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,341.90	3/4	1,038.50	3/4	735.23	3/4	431.88	3/4	129.34	3/4		3/4		3/4		3/4		3/4	
10	1,335.58	10	1,032.18	10	728.91	10	425.56	10	123.20	10		10		10		10		10	
1/4	1,329.26	1/4	1,025.86	1/4	722.60	1/4	419.24	1/4	117.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.93	1/2	1,019.54	1/2	716.28	1/2	412.91	1/2	110.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,316.61	3/4	1,013.22	3/4	709.97	3/4	406.59	3/4	104.76	3/4		3/4		3/4		3/4		3/4	
11	1,310.29	11	1,006.89	11	703.65	11	400.27	11	98.62	11		11		11		11		11	
1/4	1,303.97	1/4	1,000.57	1/4	697.34	1/4	393.95	1/4	92.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,297.65	1/2	994.25	1/2	691.02	1/2	387.63	1/2	86.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,291.33	3/4	987.93	3/4	684.70	3/4	381.31	3/4	80.23	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

4 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	2,073.86	0	1,857.79	0	1,640.48	0	1,423.17	0	1,205.38	0	989.56	0	772.26	0	560.97	0	345.68	0	127.59
1/4		1/4	2,069.40	1/4	1,853.27	1/4	1,635.96	1/4	1,418.65	1/4	1,200.84	1/4	985.06	1/4	767.73	1/4	556.63	1/4	341.14	1/4	123.04
1/2		1/2	2,064.94	1/2	1,848.74	1/2	1,631.43	1/2	1,414.12	1/2	1,196.30	1/2	980.56	1/2	763.19	1/2	552.29	1/2	336.59	1/2	118.50
3/4		3/4	2,060.47	3/4	1,844.21	3/4	1,626.90	3/4	1,409.59	3/4	1,191.76	3/4	976.06	3/4	758.66	3/4	547.95	3/4	332.05	3/4	113.97
1		1	2,055.99	1	1,839.68	1	1,622.37	1	1,405.06	1	1,187.22	1	971.57	1	754.12	1	543.61	1	327.51	1	109.44
1/4		1/4	2,051.52	1/4	1,835.16	1/4	1,617.85	1/4	1,400.54	1/4	1,182.68	1/4	967.07	1/4	749.59	1/4	539.27	1/4	322.96	1/4	104.90
1/2		1/2	2,047.04	1/2	1,830.63	1/2	1,613.32	1/2	1,396.01	1/2	1,178.14	1/2	962.57	1/2	745.05	1/2	534.93	1/2	318.42	1/2	100.37
3/4		3/4	2,042.56	3/4	1,826.10	3/4	1,608.79	3/4	1,391.48	3/4	1,173.60	3/4	958.08	3/4	740.52	3/4	530.58	3/4	313.87	3/4	95.84
2		2	2,038.08	2	1,821.57	2	1,604.26	2	1,386.95	2	1,169.06	2	953.58	2	735.98	2	526.24	2	309.33	2	91.31
1/4		1/4	2,033.59	1/4	1,817.05	1/4	1,599.74	1/4	1,382.43	1/4	1,164.52	1/4	949.08	1/4	731.45	1/4	521.90	1/4	304.79	1/4	86.78
1/2		1/2	2,029.11	1/2	1,812.52	1/2	1,595.21	1/2	1,377.90	1/2	1,159.98	1/2	944.59	1/2	726.92	1/2	517.55	1/2	300.24	1/2	82.25
3/4		3/4	2,024.63	3/4	1,807.99	3/4	1,590.68	3/4	1,373.36	3/4	1,155.45	3/4	940.05	3/4	722.38	3/4	513.21	3/4	295.70	3/4	77.72
3		3	2,020.15	3	1,803.47	3	1,586.16	3	1,368.82	3	1,150.91	3	935.52	3	717.85	3	508.87	3	291.15	3	73.19
1/4		1/4	2,015.67	1/4	1,798.94	1/4	1,581.63	1/4	1,364.28	1/4	1,146.38	1/4	930.98	1/4	713.31	1/4	504.52	1/4	286.61	1/4	68.67
1/2		1/2	2,011.18	1/2	1,794.41	1/2	1,577.10	1/2	1,359.74	1/2	1,141.85	1/2	926.45	1/2	708.78	1/2	500.18	1/2	282.07	1/2	64.14
3/4		3/4	2,006.70	3/4	1,789.88	3/4	1,572.57	3/4	1,355.20	3/4	1,137.31	3/4	921.91	3/4	704.41	3/4	495.63	3/4	277.52	3/4	59.63
4		4	2,002.22	4	1,785.36	4	1,568.05	4	1,350.66	4	1,132.78	4	917.38	4	700.05	4	491.09	4	272.98	4	55.12
1/4		1/4	1,997.74	1/4	1,780.83	1/4	1,563.52	1/4	1,346.12	1/4	1,128.25	1/4	912.84	1/4	695.69	1/4	486.55	1/4	268.43	1/4	50.61
1/2		1/2	1,993.25	1/2	1,776.30	1/2	1,558.99	1/2	1,341.58	1/2	1,123.72	1/2	908.31	1/2	691.33	1/2	482.00	1/2	263.89	1/2	46.10
3/4		3/4	1,988.77	3/4	1,771.77	3/4	1,554.46	3/4	1,337.04	3/4	1,119.18	3/4	903.77	3/4	686.96	3/4	477.46	3/4	259.35	3/4	42.03
5		5	1,984.29	5	1,767.25	5	1,549.94	5	1,332.50	5	1,114.65	5	899.24	5	682.60	5	472.91	5	254.80	5	37.95
1/4		1/4	1,979.81	1/4	1,762.72	1/4	1,545.41	1/4	1,327.96	1/4	1,110.12	1/4	894.70	1/4	678.24	1/4	468.37	1/4	250.26	1/4	33.87
1/2		1/2	1,975.32	1/2	1,758.19	1/2	1,540.88	1/2	1,323.42	1/2	1,105.58	1/2	890.17	1/2	673.88	1/2	463.83	1/2	245.71	1/2	29.80
3/4		3/4	1,970.84	3/4	1,753.67	3/4	1,536.35	3/4	1,318.88	3/4	1,101.05	3/4	885.63	3/4	669.53	3/4	459.28	3/4	241.17	3/4	26.62
6		6	1,966.36	6	1,749.14	6	1,531.83	6	1,314.34	6	1,096.52	6	881.10	6	665.19	6	454.74	6	236.63	6	23.44
1/4		1/4	1,961.88	1/4	1,744.61	1/4	1,527.30	1/4	1,309.80	1/4	1,091.99	1/4	876.56	1/4	660.84	1/4	450.19	1/4	232.08	1/4	20.26
1/2		1/2	1,957.39	1/2	1,740.08	1/2	1,522.77	1/2	1,305.26	1/2	1,087.45	1/2	872.03	1/2	656.49	1/2	445.65	1/2	227.54	1/2	17.09
3/4		3/4	1,952.87	3/4	1,735.56	3/4	1,518.25	3/4	1,300.72	3/4	1,082.96	3/4	867.49	3/4	652.15	3/4	441.11	3/4	222.99	3/4	
7		7	1,948.34	7	1,731.03	7	1,513.72	7	1,296.18	7	1,078.46	7	862.96	7	647.80	7	436.56	7	218.45	7	
1/4		1/4	1,943.81	1/4	1,726.50	1/4	1,509.19	1/4	1,291.64	1/4	1,073.96	1/4	858.42	1/4	643.45	1/4	432.02	1/4	213.91	1/4	
1/2		1/2	1,939.28	1/2	1,721.97	1/2	1,504.66	1/2	1,287.10	1/2	1,069.47	1/2	853.89	1/2	639.11	1/2	427.47	1/2	209.36	1/2	
3/4		3/4	1,934.76	3/4	1,717.45	3/4	1,500.14	3/4	1,282.56	3/4	1,065.03	3/4	849.35	3/4	634.77	3/4	422.93	3/4	204.82	3/4	
8		8	1,930.23	8	1,712.92	8	1,495.61	8	1,278.02	8	1,060.60	8	844.82	8	630.43	8	418.39	8	200.27	8	
1/4		1/4	1,925.70	1/4	1,708.39	1/4	1,491.08	1/4	1,273.48	1/4	1,056.17	1/4	840.29	1/4	626.08	1/4	413.84	1/4	195.73	1/4	
1/2		1/2	1,921.18	1/2	1,703.87	1/2	1,486.55	1/2	1,268.94	1/2	1,051.74	1/2	835.75	1/2	621.74	1/2	409.30	1/2	191.19	1/2	
3/4		3/4	1,916.65	3/4	1,699.34	3/4	1,482.03	3/4	1,264.40	3/4	1,047.30	3/4	831.22	3/4	617.40	3/4	404.75	3/4	186.64	3/4	
9		9	1,912.12	9	1,694.81	9	1,477.50	9	1,259.86	9	1,042.87	9	826.68	9	613.06	9	400.21	9	182.10	9	
1/4		1/4	1,907.59	1/4	1,690.28	1/4	1,472.97	1/4	1,255.32	1/4	1,038.44	1/4	822.15	1/4	608.72	1/4	395.67	1/4	177.55	1/4	
1/2		1/2	1,903.07	1/2	1,685.76	1/2	1,468.45	1/2	1,250.78	1/2	1,034.01	1/2	817.61	1/2	604.38	1/2	391.12	1/2	173.01	1/2	
3/4		3/4	1,898.54	3/4	1,681.23	3/4	1,463.92	3/4	1,246.24	3/4	1,029.58	3/4	813.08	3/4	600.04	3/4	386.58	3/4	168.47	3/4	
10		10	1,894.01	10	1,676.70	10	1,459.39	10	1,241.70	10	1,025.14	10	808.54	10	595.70	10	382.03	10	163.93	10	
1/4	2,102.08	1/4	1,889.48	1/4	1,672.17	1/4	1,454.86	1/4	1,237.16	1/4	1,020.71	1/4	804.01	1/4	591.36	1/4	377.49	1/4	159.38	1/4	
1/2	2,098.95	1/2	1,884.96	1/2	1,667.65	1/2	1,450.34	1/2	1,232.62	1/2	1,016.28	1/2	799.47	1/2	587.02	1/2	372.95	1/2	154.84	1/2	
3/4	2,094.91	3/4	1,880.43	3/4	1,663.12	3/4	1,445.81	3/4	1,228.08	3/4	1,011.85	3/4	794.94	3/4	582.68	3/4	368.40	3/4	150.30	3/4	
11	2,090.87	11	1,875.90	11	1,658.59	11	1,441.28	11	1,223.54	11	1,007.41	11	790.40	11	578.33	11	363.86	11	145.76	11	
1/4	2,086.83	1/4	1,871.38	1/4	1,654.06	1/4	1,436.75	1/4	1,219.00	1/4	1,002.98	1/4	785.87	1/4	573.99	1/4	359.31	1/4	141.21	1/4	
1/2	2,082.78	1/2	1,866.85	1/2	1,649.54	1/2	1,432.23	1/2	1,214.46	1/2	998.55	1/2	781.33	1/2	569.65	1/2	354.77	1/2	136.67	1/2	
3/4	2,078.32	3/4	1,862.32	3/4	1,645.01	3/4	1,427.70	3/4	1,209.92	3/4	994.05	3/4	776.80	3/4	565.31	3/4	350.23	3/4	132.13	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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

BARGE "MM 304"

4 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 10'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	2,090.84	0	1,874.04	0	1,655.98	0	1,437.93	0	1,219.39	0	1,001.76	0	783.08	0	564.91	0	346.53	0	127.86
1/4		1/4	2,086.37	1/4	1,869.49	1/4	1,651.44	1/4	1,433.39	1/4	1,214.84	1/4	997.20	1/4	778.52	1/4	560.37	1/4	341.97	1/4	123.30
1/2		1/2	2,081.89	1/2	1,864.95	1/2	1,646.90	1/2	1,428.84	1/2	1,210.28	1/2	992.65	1/2	773.97	1/2	555.84	1/2	337.42	1/2	118.74
3/4		3/4	2,077.40	3/4	1,860.41	3/4	1,642.35	3/4	1,424.30	3/4	1,205.73	3/4	988.09	3/4	769.41	3/4	551.30	3/4	332.86	3/4	114.20
1		1	2,072.91	1	1,855.87	1	1,637.81	1	1,419.76	1	1,201.17	1	983.54	1	764.85	1	546.77	1	328.31	1	109.65
1/4		1/4	2,068.42	1/4	1,851.32	1/4	1,633.27	1/4	1,415.21	1/4	1,196.61	1/4	978.98	1/4	760.30	1/4	542.23	1/4	323.75	1/4	105.11
1/2		1/2	2,063.93	1/2	1,846.78	1/2	1,628.73	1/2	1,410.67	1/2	1,192.06	1/2	974.43	1/2	755.74	1/2	537.70	1/2	319.20	1/2	100.56
3/4		3/4	2,059.43	3/4	1,842.24	3/4	1,624.18	3/4	1,406.13	3/4	1,187.50	3/4	969.87	3/4	751.19	3/4	533.17	3/4	314.64	3/4	96.02
2		2	2,054.93	2	1,837.70	2	1,619.64	2	1,401.59	2	1,182.95	2	965.31	2	746.63	2	528.63	2	310.08	2	91.48
1/4		1/4	2,050.44	1/4	1,833.15	1/4	1,615.10	1/4	1,397.04	1/4	1,178.39	1/4	960.76	1/4	742.07	1/4	524.10	1/4	305.53	1/4	86.93
1/2		1/2	2,045.94	1/2	1,828.61	1/2	1,610.56	1/2	1,392.50	1/2	1,173.84	1/2	956.20	1/2	737.52	1/2	519.56	1/2	300.97	1/2	82.39
3/4		3/4	2,041.44	3/4	1,824.07	3/4	1,606.01	3/4	1,387.95	3/4	1,169.28	3/4	951.65	3/4	732.96	3/4	515.03	3/4	296.42	3/4	77.85
3		3	2,036.95	3	1,819.52	3	1,601.47	3	1,383.39	3	1,164.73	3	947.09	3	728.41	3	510.49	3	291.86	3	73.32
1/4		1/4	2,032.45	1/4	1,814.98	1/4	1,596.93	1/4	1,378.83	1/4	1,160.17	1/4	942.53	1/4	723.85	1/4	505.96	1/4	287.31	1/4	68.78
1/2		1/2	2,027.95	1/2	1,810.44	1/2	1,592.38	1/2	1,374.28	1/2	1,155.61	1/2	937.98	1/2	719.29	1/2	501.42	1/2	282.75	1/2	64.24
3/4		3/4	2,023.45	3/4	1,805.90	3/4	1,587.84	3/4	1,369.72	3/4	1,151.06	3/4	933.42	3/4	714.74	3/4	496.87	3/4	278.19	3/4	59.72
4		4	2,018.96	4	1,801.35	4	1,583.30	4	1,365.17	4	1,146.50	4	928.87	4	710.18	4	492.31	4	273.64	4	55.20
1/4		1/4	2,014.46	1/4	1,796.81	1/4	1,578.76	1/4	1,360.61	1/4	1,141.95	1/4	924.31	1/4	705.63	1/4	487.76	1/4	269.08	1/4	50.68
1/2		1/2	2,009.96	1/2	1,792.27	1/2	1,574.21	1/2	1,356.06	1/2	1,137.39	1/2	919.75	1/2	701.07	1/2	483.20	1/2	264.53	1/2	46.15
3/4		3/4	2,005.46	3/4	1,787.72	3/4	1,569.67	3/4	1,351.50	3/4	1,132.84	3/4	915.20	3/4	696.52	3/4	478.65	3/4	259.97	3/4	42.07
5		5	2,000.96	5	1,783.18	5	1,565.13	5	1,346.95	5	1,128.28	5	910.64	5	691.96	5	474.09	5	255.42	5	37.98
1/4		1/4	1,996.47	1/4	1,778.64	1/4	1,560.58	1/4	1,342.39	1/4	1,123.73	1/4	906.09	1/4	687.40	1/4	469.53	1/4	250.86	1/4	33.89
1/2		1/2	1,991.97	1/2	1,774.10	1/2	1,556.04	1/2	1,337.83	1/2	1,119.17	1/2	901.53	1/2	682.85	1/2	464.98	1/2	246.30	1/2	29.80
3/4		3/4	1,987.47	3/4	1,769.55	3/4	1,551.50	3/4	1,333.28	3/4	1,114.62	3/4	896.98	3/4	678.31	3/4	460.42	3/4	241.75	3/4	26.63
6		6	1,982.97	6	1,765.01	6	1,546.96	6	1,328.72	6	1,110.06	6	892.42	6	673.77	6	455.87	6	237.19	6	23.45
1/4		1/4	1,978.48	1/4	1,760.47	1/4	1,542.41	1/4	1,324.17	1/4	1,105.50	1/4	887.86	1/4	669.23	1/4	451.31	1/4	232.64	1/4	20.27
1/2		1/2	1,973.98	1/2	1,755.92	1/2	1,537.87	1/2	1,319.61	1/2	1,100.95	1/2	883.31	1/2	664.69	1/2	446.76	1/2	228.08	1/2	17.09
3/4		3/4	1,969.44	3/4	1,751.38	3/4	1,533.33	3/4	1,315.06	3/4	1,096.39	3/4	878.75	3/4	660.15	3/4	442.20	3/4	223.53	3/4	
7		7	1,964.89	7	1,746.84	7	1,528.78	7	1,310.50	7	1,091.84	7	874.20	7	655.61	7	437.64	7	218.97	7	
1/4		1/4	1,960.35	1/4	1,742.30	1/4	1,524.24	1/4	1,305.95	1/4	1,087.28	1/4	869.64	1/4	651.07	1/4	433.09	1/4	214.41	1/4	
1/2		1/2	1,955.81	1/2	1,737.75	1/2	1,519.70	1/2	1,301.39	1/2	1,082.73	1/2	865.08	1/2	646.53	1/2	428.53	1/2	209.86	1/2	
3/4		3/4	1,951.27	3/4	1,733.21	3/4	1,515.16	3/4	1,296.84	3/4	1,078.24	3/4	860.53	3/4	641.99	3/4	423.98	3/4	205.30	3/4	
8		8	1,946.72	8	1,728.67	8	1,510.61	8	1,292.28	8	1,073.75	8	855.97	8	637.46	8	419.42	8	200.75	8	
1/4		1/4	1,942.18	1/4	1,724.13	1/4	1,506.07	1/4	1,287.72	1/4	1,069.25	1/4	851.42	1/4	632.92	1/4	414.87	1/4	196.19	1/4	
1/2		1/2	1,937.64	1/2	1,719.58	1/2	1,501.53	1/2	1,283.17	1/2	1,064.76	1/2	846.86	1/2	628.39	1/2	410.31	1/2	191.64	1/2	
3/4		3/4	1,933.09	3/4	1,715.04	3/4	1,496.99	3/4	1,278.61	3/4	1,060.27	3/4	842.30	3/4	623.86	3/4	405.75	3/4	187.08	3/4	
9		9	1,928.55	9	1,710.50	9	1,492.44	9	1,274.06	9	1,055.78	9	837.75	9	619.32	9	401.20	9	182.52	9	
1/4		1/4	1,924.01	1/4	1,705.95	1/4	1,487.90	1/4	1,269.50	1/4	1,051.29	1/4	833.19	1/4	614.79	1/4	396.64	1/4	177.97	1/4	
1/2		1/2	1,919.47	1/2	1,701.41	1/2	1,483.36	1/2	1,264.95	1/2	1,046.80	1/2	828.64	1/2	610.25	1/2	392.09	1/2	173.41	1/2	
3/4		3/4	1,914.92	3/4	1,696.87	3/4	1,478.81	3/4	1,260.39	3/4	1,042.31	3/4	824.08	3/4	605.72	3/4	387.53	3/4	168.86	3/4	
10		10	1,910.38	10	1,692.33	10	1,474.27	10	1,255.84	10	1,037.82	10	819.52	10	601.18	10	382.98	10	164.30	10	
1/4	2,119.09	1/4	1,905.84	1/4	1,687.78	1/4	1,469.73	1/4	1,251.28	1/4	1,033.33	1/4	814.97	1/4	596.65	1/4	378.42	1/4	159.75	1/4	
1/2	2,115.96	1/2	1,901.29	1/2	1,683.24	1/2	1,465.19	1/2	1,246.72	1/2	1,028.84	1/2	810.41	1/2	592.11	1/2	373.86	1/2	155.19	1/2	
3/4	2,111.92	3/4	1,896.75	3/4	1,678.70	3/4	1,460.64	3/4	1,242.17	3/4	1,024.35	3/4	805.86	3/4	587.58	3/4	369.31	3/4	150.63	3/4	
11	2,107.88	11	1,892.21	11	1,674.15	11	1,456.10	11	1,237.61	11	1,019.85	11	801.30	11	583.04	11	364.75	11	146.08	11	
1/4	2,103.84	1/4	1,887.67	1/4	1,669.61	1/4	1,451.56	1/4	1,233.06	1/4	1,015.36	1/4	796.75	1/4	578.51	1/4	360.20	1/4	141.52	1/4	
1/2	2,099.79	1/2	1,883.12	1/2	1,665.07	1/2	1,447.01	1/2	1,228.50	1/2	1,010.87	1/2	792.19	1/2	573.98	1/2	355.64	1/2	136.97	1/2	
3/4	2,095.32	3/4	1,878.58	3/4	1,660.53	3/4	1,442.47	3/4	1,223.95	3/4	1,006.32	3/4	787.63	3/4	569.44	3/4	351.09	3/4	132.41	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.
GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

STRAPPED: 03/12/2015 SW
CALCULATED: 03/12/2015 CL
PRINTED: 03/13/2015 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 304"

ULLAGE TRIM TABLE
8" HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-4/8	- 00-4/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-4/8	- 00-4/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
4 PORT	01-1/4	- 01-1/4	02-3/8	- 02-3/8	03-5/8	- 03-5/8	04-6/8	- 04-6/8	06-0/8	- 06-0/8	07-1/8	- 07-1/8
4 STBD	01-1/4	- 01-1/4	02-3/8	- 02-3/8	03-5/8	- 03-5/8	04-6/8	- 04-6/8	06-0/8	- 06-0/8	07-1/8	- 07-1/8

(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)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

March 12, 2015

PRECISION MEASUREMENT
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