



BARGE "EMS 395"

INNAGE TRIM TABLE

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

(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 1 PORT IS 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

March 30, 2016

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

<http://www.pmacorp.net>



BARGE "EMS 395"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	16.19	0	268.09	0	552.51	0	859.46	0	1,187.51	0	1,519.22	0	1,850.93	0	2,182.64	0	2,514.35	0	2,846.05
1/4	19.42	1/4	273.79	1/4	558.70	1/4	866.11	1/4	1,194.43	1/4	1,526.13	1/4	1,857.84	1/4	2,189.55	1/4	2,521.26	1/4	2,852.96
1/2	22.66	1/2	279.49	1/2	564.89	1/2	872.75	1/2	1,201.34	1/2	1,533.04	1/2	1,864.75	1/2	2,196.46	1/2	2,528.17	1/2	2,859.87
3/4	25.89	3/4	285.19	3/4	571.08	3/4	879.39	3/4	1,208.25	3/4	1,539.95	3/4	1,871.66	3/4	2,203.37	3/4	2,535.08	3/4	2,866.78
1	29.12	1	290.89	1	577.28	1	886.03	1	1,215.16	1	1,546.87	1	1,878.57	1	2,203.28	1	2,541.99	1	2,873.69
1/4	34.12	1/4	296.63	1/4	583.51	1/4	892.72	1/4	1,222.07	1/4	1,553.78	1/4	1,885.48	1/4	2,217.19	1/4	2,548.90	1/4	2,880.60
1/2	39.12	1/2	302.37	1/2	589.74	1/2	899.40	1/2	1,228.99	1/2	1,560.69	1/2	1,892.40	1/2	2,224.10	1/2	2,555.81	1/2	2,887.51
3/4	44.13	3/4	308.11	3/4	595.98	3/4	906.09	3/4	1,235.89	3/4	1,567.60	3/4	1,899.31	3/4	2,231.01	3/4	2,562.72	3/4	2,894.42
2	49.13	2	313.85	2	602.21	2	912.77	2	1,242.80	2	1,574.51	2	1,906.22	2	2,237.93	2	2,569.63	2	2,901.33
1/4	54.42	1/4	319.63	1/4	608.48	1/4	919.49	1/4	1,249.71	1/4	1,581.42	1/4	1,913.13	1/4	2,244.84	1/4	2,576.55	1/4	2,908.24
1/2	59.71	1/2	325.41	1/2	614.76	1/2	926.22	1/2	1,256.62	1/2	1,588.33	1/2	1,920.04	1/2	2,251.75	1/2	2,583.46	1/2	2,915.15
3/4	64.99	3/4	331.19	3/4	621.03	3/4	932.34	3/4	1,263.53	3/4	1,595.24	3/4	1,926.95	3/4	2,258.66	3/4	2,590.37	3/4	2,922.06
3	70.28	3	336.98	3	627.31	3	939.67	3	1,270.44	3	1,602.15	3	1,933.86	3	2,265.57	3	2,597.28	3	2,928.97
1/4	75.61	1/4	342.80	1/4	633.62	1/4	946.45	1/4	1,277.35	1/4	1,609.06	1/4	1,940.77	1/4	2,272.48	1/4	2,604.19	1/4	2,935.88
1/2	80.94	1/2	348.62	1/2	639.94	1/2	953.24	1/2	1,284.26	1/2	1,615.97	1/2	1,947.68	1/2	2,279.39	1/2	2,611.10	1/2	2,942.78
3/4	86.27	3/4	354.44	3/4	646.25	3/4	960.02	3/4	1,291.17	3/4	1,622.88	3/4	1,954.59	3/4	2,286.30	3/4	2,618.01	3/4	2,949.69
4	91.61	4	360.27	4	652.57	4	966.80	4	1,298.08	4	1,629.79	4	1,961.50	4	2,293.21	4	2,624.92	4	2,956.60
1/4	96.98	1/4	366.13	1/4	658.92	1/4	973.63	1/4	1,304.99	1/4	1,636.70	1/4	1,968.41	1/4	2,300.12	1/4	2,631.83	1/4	2,963.51
1/2	102.35	1/2	371.99	1/2	665.28	1/2	980.45	1/2	1,311.91	1/2	1,643.61	1/2	1,975.32	1/2	2,307.03	1/2	2,638.74	1/2	2,970.42
3/4	107.72	3/4	377.86	3/4	671.64	3/4	987.28	3/4	1,318.82	3/4	1,650.52	3/4	1,982.23	3/4	2,313.94	3/4	2,645.65	3/4	2,977.33
5	113.09	5	383.72	5	677.99	5	994.10	5	1,325.73	5	1,657.44	5	1,989.15	5	2,320.85	5	2,652.56	5	2,984.24
1/4	118.50	1/4	389.63	1/4	684.36	1/4	1,000.99	1/4	1,332.64	1/4	1,664.35	1/4	1,996.05	1/4	2,327.76	1/4	2,659.47	1/4	2,991.15
1/2	123.92	1/2	395.53	1/2	690.73	1/2	1,007.88	1/2	1,339.55	1/2	1,671.26	1/2	2,002.97	1/2	2,334.67	1/2	2,666.38	1/2	2,998.06
3/4	129.33	3/4	401.44	3/4	697.10	3/4	1,014.77	3/4	1,346.46	3/4	1,678.17	3/4	2,009.88	3/4	2,341.58	3/4	2,673.29	3/4	3,004.97
6	134.74	6	407.34	6	703.47	6	1,021.66	6	1,353.37	6	1,685.08	6	2,016.79	6	2,348.50	6	2,680.20	6	3,011.88
1/4	140.19	1/4	413.29	1/4	709.88	1/4	1,028.57	1/4	1,360.28	1/4	1,691.99	1/4	2,023.70	1/4	2,355.41	1/4	2,687.11	1/4	3,018.79
1/2	145.65	1/2	419.23	1/2	716.29	1/2	1,035.48	1/2	1,367.19	1/2	1,698.90	1/2	2,030.61	1/2	2,362.32	1/2	2,694.03	1/2	3,025.70
3/4	151.10	3/4	425.18	3/4	722.70	3/4	1,042.39	3/4	1,374.10	3/4	1,705.81	3/4	2,037.52	3/4	2,369.23	3/4	2,700.94	3/4	3,032.61
7	156.55	7	431.13	7	729.11	7	1,049.30	7	1,381.01	7	1,712.72	7	2,044.43	7	2,376.14	7	2,707.85	7	3,039.52
1/4	162.05	1/4	437.11	1/4	735.54	1/4	1,056.21	1/4	1,387.92	1/4	1,719.63	1/4	2,051.34	1/4	2,383.05	1/4	2,714.76	1/4	3,046.43
1/2	167.54	1/2	443.10	1/2	741.98	1/2	1,063.12	1/2	1,394.83	1/2	1,726.54	1/2	2,058.25	1/2	2,389.96	1/2	2,721.67	1/2	3,053.34
3/4	173.04	3/4	449.09	3/4	748.42	3/4	1,070.03	3/4	1,401.74	3/4	1,733.45	3/4	2,065.16	3/4	2,396.87	3/4	2,728.58	3/4	3,060.25
8	178.53	8	455.07	8	754.86	8	1,076.94	8	1,408.65	8	1,740.36	8	2,072.07	8	2,403.78	8	2,735.49	8	3,067.16
1/4	184.07	1/4	461.10	1/4	761.33	1/4	1,083.86	1/4	1,415.56	1/4	1,747.27	1/4	2,078.98	1/4	2,410.69	1/4	2,742.40	1/4	3,074.07
1/2	189.60	1/2	467.13	1/2	767.81	1/2	1,090.77	1/2	1,422.47	1/2	1,754.18	1/2	2,085.89	1/2	2,417.60	1/2	2,749.31	1/2	3,080.98
3/4	195.14	3/4	473.16	3/4	774.29	3/4	1,097.68	3/4	1,429.39	3/4	1,761.09	3/4	2,092.80	3/4	2,424.51	3/4	2,756.22	3/4	3,087.89
9	200.67	9	479.19	9	780.77	9	1,104.59	9	1,436.30	9	1,768.00	9	2,099.71	9	2,431.42	9	2,763.13	9	3,094.80
1/4	206.25	1/4	485.26	1/4	787.29	1/4	1,111.50	1/4	1,443.21	1/4	1,774.92	1/4	2,106.62	1/4	2,438.33	1/4	2,770.04	1/4	3,101.71
1/2	211.83	1/2	491.32	1/2	793.81	1/2	1,118.41	1/2	1,450.12	1/2	1,781.83	1/2	2,113.53	1/2	2,445.24	1/2	2,776.95	1/2	3,108.62
3/4	217.40	3/4	497.39	3/4	800.33	3/4	1,125.32	3/4	1,457.03	3/4	1,788.74	3/4	2,120.45	3/4	2,452.15	3/4	2,783.86	3/4	3,115.52
10	222.98	10	503.46	10	806.85	10	1,132.23	10	1,463.94	10	1,795.65	10	2,127.36	10	2,459.06	10	2,790.77	10	3,122.43
1/4	228.60	1/4	509.57	1/4	813.41	1/4	1,139.14	1/4	1,470.85	1/4	1,802.56	1/4	2,134.27	1/4	2,465.98	1/4	2,797.68	1/4	3,129.34
1/2	234.22	1/2	515.68	1/2	819.96	1/2	1,146.05	1/2	1,477.76	1/2	1,809.47	1/2	2,141.18	1/2	2,472.89	1/2	2,804.59	1/2	3,136.25
3/4	239.83	3/4	521.79	3/4	826.52	3/4	1,152.96	3/4	1,484.67	3/4	1,816.38	3/4	2,148.09	3/4	2,479.80	3/4	2,811.50	3/4	3,143.16
11	245.45	11	527.90	11	833.07	11	1,159.87	11	1,491.58	11	1,823.29	11	2,155.00	11	2,486.71	11	2,818.41	11	3,150.07
1/4	251.11	1/4	534.05	1/4	839.67	1/4	1,166.78	1/4	1,498.49	1/4	1,830.20	1/4	2,161.91	1/4	2,493.62	1/4	2,825.32	1/4	3,156.98
1/2	256.77	1/2	540.21	1/2	846.27	1/2	1,173.69	1/2	1,505.40	1/2	1,837.11	1/2	2,168.82	1/2	2,500.53	1/2	2,832.23	1/2	3,163.89
3/4	262.43	3/4	546.36	3/4	852.87	3/4	1,180.60	3/4	1,512.31	3/4	1,844.02	3/4	2,175.73	3/4	2,507.44	3/4	2,839.14	3/4	3,170.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Peeleland, Texas 77568

http://www.pmacorp.net



BARGE "EMS 395"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0	3,177.71	0	3,509.23	0	3,828.73	0	4,127.64	0	4,412.64	0	4,687.64	0	4,952.64	0	5,207.64	0	5,452.64	0	5,687.64	0	5,912.64	0	6,127.64
1/4	3,184.62	1/4	3,516.08	1/4	3,835.17	1/4	4,133.62	1/4	4,418.62	1/4	4,693.62	1/4	4,958.62	1/4	5,213.62	1/4	5,458.62	1/4	5,693.62	1/4	5,918.62	1/4	6,133.62
1/2	3,191.53	1/2	3,522.92	1/2	3,841.60	1/2	4,139.60	1/2	4,424.60	1/2	4,699.60	1/2	4,964.60	1/2	5,219.60	1/2	5,464.60	1/2	5,699.60	1/2	5,924.60	1/2	6,139.60
3/4	3,198.44	3/4	3,529.77	3/4	3,848.03	3/4	4,145.58	3/4	4,431.58	3/4	4,706.58	3/4	4,971.58	3/4	5,226.58	3/4	5,471.58	3/4	5,706.58	3/4	5,931.58	3/4	6,146.58
1	3,205.35	1	3,536.61	1	3,854.46	1	4,151.56	1	4,436.56	1	4,711.56	1	4,976.56	1	5,231.56	1	5,476.56	1	5,711.56	1	5,936.56	1	6,151.56
1/4	3,212.26	1/4	3,543.42	1/4	3,860.86	1/4	4,157.51	1/4	4,441.51	1/4	4,716.51	1/4	4,981.51	1/4	5,236.51	1/4	5,481.51	1/4	5,716.51	1/4	5,941.51	1/4	6,156.51
1/2	3,219.17	1/2	3,550.24	1/2	3,867.26	1/2	4,163.46	1/2	4,444.46	1/2	4,719.46	1/2	4,984.46	1/2	5,239.46	1/2	5,484.46	1/2	5,719.46	1/2	5,944.46	1/2	6,161.46
3/4	3,226.08	3/4	3,557.05	3/4	3,873.66	3/4	4,169.40	3/4	4,447.40	3/4	4,722.40	3/4	4,987.40	3/4	5,242.40	3/4	5,487.40	3/4	5,722.40	3/4	5,947.40	3/4	6,164.40
2	3,232.99	2	3,563.86	2	3,880.06	2	4,175.35	2	4,450.35	2	4,725.35	2	4,990.35	2	5,245.35	2	5,490.35	2	5,725.35	2	5,950.35	2	6,167.35
1/4	3,239.90	1/4	3,570.63	1/4	3,886.42	1/4	4,181.26	1/4	4,453.26	1/4	4,728.26	1/4	4,993.26	1/4	5,250.26	1/4	5,495.26	1/4	5,730.26	1/4	5,955.26	1/4	6,170.26
1/2	3,246.81	1/2	3,577.41	1/2	3,892.79	1/2	4,187.17	1/2	4,459.17	1/2	4,734.17	1/2	5,000.17	1/2	5,256.17	1/2	5,500.17	1/2	5,736.17	1/2	5,960.17	1/2	6,173.17
3/4	3,253.72	3/4	3,584.19	3/4	3,899.15	3/4	4,193.08	3/4	4,465.08	3/4	4,740.08	3/4	5,006.08	3/4	5,262.08	3/4	5,506.08	3/4	5,742.08	3/4	5,965.08	3/4	6,176.08
3	3,260.63	3	3,590.96	3	3,905.51	3	4,199.00	3	4,471.00	3	4,746.00	3	5,012.00	3	5,268.00	3	5,512.00	3	5,748.00	3	5,970.00	3	6,179.00
1/4	3,267.54	1/4	3,597.71	1/4	3,911.84	1/4	4,204.87	1/4	4,474.87	1/4	4,750.87	1/4	5,018.87	1/4	5,274.87	1/4	5,518.87	1/4	5,754.87	1/4	5,973.87	1/4	6,182.87
1/2	3,274.45	1/2	3,604.45	1/2	3,918.17	1/2	4,210.75	1/2	4,478.75	1/2	4,756.75	1/2	5,024.75	1/2	5,278.75	1/2	5,522.75	1/2	5,758.75	1/2	5,976.75	1/2	6,185.75
3/4	3,281.36	3/4	3,611.19	3/4	3,924.50	3/4	4,216.63	3/4	4,482.63	3/4	4,762.63	3/4	5,030.63	3/4	5,284.63	3/4	5,528.63	3/4	5,764.63	3/4	5,979.63	3/4	6,188.63
4	3,288.26	4	3,617.93	4	3,930.83	4	4,222.51	4	4,486.51	4	4,766.51	4	5,036.51	4	5,288.51	4	5,532.51	4	5,768.51	4	5,981.51	4	6,191.51
1/4	3,295.17	1/4	3,624.64	1/4	3,937.13	1/4	4,228.87	1/4	4,490.87	1/4	4,770.87	1/4	5,040.87	1/4	5,292.87	1/4	5,538.87	1/4	5,774.87	1/4	5,984.87	1/4	6,194.87
1/2	3,302.08	1/2	3,631.35	1/2	3,943.42	1/2	4,235.24	1/2	4,494.24	1/2	4,774.24	1/2	5,044.24	1/2	5,296.24	1/2	5,542.24	1/2	5,778.24	1/2	5,987.24	1/2	6,197.24
3/4	3,308.99	3/4	3,638.05	3/4	3,949.72	3/4	4,241.60	3/4	4,498.60	3/4	4,778.60	3/4	5,050.60	3/4	5,302.60	3/4	5,546.60	3/4	5,782.60	3/4	5,990.60	3/4	6,200.60
5	3,315.90	5	3,644.76	5	3,956.02	5	4,247.96	5	4,502.96	5	4,782.96	5	5,056.96	5	5,310.96	5	5,556.96	5	5,792.96	5	5,995.96	5	6,203.96
1/4	3,322.81	1/4	3,651.44	1/4	3,962.28	1/4	4,254.83	1/4	4,506.83	1/4	4,786.83	1/4	5,060.83	1/4	5,314.83	1/4	5,560.83	1/4	5,796.83	1/4	5,998.83	1/4	6,206.83
1/2	3,329.72	1/2	3,658.11	1/2	3,968.54	1/2	4,261.70	1/2	4,510.70	1/2	4,790.70	1/2	5,064.70	1/2	5,318.70	1/2	5,564.70	1/2	5,800.70	1/2	6,001.70	1/2	6,209.70
3/4	3,336.63	3/4	3,664.78	3/4	3,974.80	3/4	4,268.57	3/4	4,514.57	3/4	4,794.57	3/4	5,068.57	3/4	5,322.57	3/4	5,568.57	3/4	5,804.57	3/4	6,004.57	3/4	6,212.57
6	3,343.54	6	3,671.46	6	3,981.06	6	4,275.44	6	4,518.44	6	4,798.44	6	5,072.44	6	5,326.44	6	5,572.44	6	5,808.44	6	6,011.44	6	6,215.44
1/4	3,350.45	1/4	3,678.10	1/4	3,987.29	1/4	4,282.31	1/4	4,522.31	1/4	4,802.31	1/4	5,076.31	1/4	5,330.31	1/4	5,576.31	1/4	5,812.31	1/4	6,014.31	1/4	6,218.31
1/2	3,357.36	1/2	3,684.73	1/2	3,993.51	1/2	4,289.18	1/2	4,526.18	1/2	4,806.18	1/2	5,080.18	1/2	5,334.18	1/2	5,580.18	1/2	5,816.18	1/2	6,017.18	1/2	6,221.18
3/4	3,364.27	3/4	3,691.37	3/4	3,999.74	3/4	4,296.05	3/4	4,530.05	3/4	4,810.05	3/4	5,084.05	3/4	5,338.05	3/4	5,584.05	3/4	5,820.05	3/4	6,020.05	3/4	6,224.05
7	3,371.18	7	3,698.01	7	4,005.97	7	4,302.92	7	4,533.92	7	4,814.92	7	5,088.92	7	5,342.92	7	5,588.92	7	5,824.92	7	6,023.92	7	6,227.92
1/4	3,378.09	1/4	3,704.62	1/4	4,012.12	1/4	4,309.72	1/4	4,537.72	1/4	4,818.72	1/4	5,092.72	1/4	5,346.72	1/4	5,592.72	1/4	5,828.72	1/4	6,026.72	1/4	6,230.72
1/2	3,385.00	1/2	3,711.22	1/2	4,018.27	1/2	4,316.51	1/2	4,541.51	1/2	4,822.51	1/2	5,096.51	1/2	5,350.51	1/2	5,596.51	1/2	5,832.51	1/2	6,029.51	1/2	6,233.51
3/4	3,391.91	3/4	3,717.83	3/4	4,024.42	3/4	4,323.31	3/4	4,545.31	3/4	4,826.31	3/4	5,100.31	3/4	5,354.31	3/4	5,600.31	3/4	5,836.31	3/4	6,032.31	3/4	6,236.31
8	3,398.82	8	3,724.43	8	4,030.58	8	4,330.11	8	4,549.11	8	4,830.11	8	5,104.11	8	5,358.11	8	5,604.11	8	5,840.11	8	6,035.11	8	6,239.11
1/4	3,405.73	1/4	3,731.00	1/4	4,036.69	1/4	4,336.27	1/4	4,553.27	1/4	4,834.27	1/4	5,108.27	1/4	5,362.27	1/4	5,608.27	1/4	5,844.27	1/4	6,038.27	1/4	6,242.27
1/2	3,412.64	1/2	3,737.57	1/2	4,042.81	1/2	4,342.44	1/2	4,557.44	1/2	4,838.44	1/2	5,112.44	1/2	5,366.44	1/2	5,612.44	1/2	5,848.44	1/2	6,041.44	1/2	6,245.44
3/4	3,419.55	3/4	3,744.14	3/4	4,048.93	3/4	4,348.61	3/4	4,561.61	3/4	4,842.61	3/4	5,116.61	3/4	5,370.61	3/4	5,616.61	3/4	5,852.61	3/4	6,044.61	3/4	6,248.61
9	3,426.46	9	3,750.71	9	4,055.05	9	4,354.77	9	4,565.77	9	4,846.77	9	5,120.77	9	5,374.77	9	5,620.77	9	5,856.77	9	6,047.77	9	6,251.77
1/4	3,433.37	1/4	3,757.25	1/4	4,061.13	1/4	4,359.68	1/4	4,569.68	1/4	4,850.68	1/4	5,124.68	1/4	5,378.68	1/4	5,624.68	1/4	5,860.68	1/4	6,050.68	1/4	6,254.68
1/2	3,440.28	1/2	3,763.78	1/2	4,067.22	1/2	4,364.60	1/2	4,574.60	1/2	4,856.60	1/2	5,128.60	1/2	5,382.60	1/2	5,628.60	1/2	5,864.60	1/2	6,053.60	1/2	6,257.60
3/4	3,447.19	3/4	3,770.32	3/4	4,073.30	3/4	4,369.51	3/4	4,579.51	3/4	4,862.51	3/4	5,132.51	3/4	5,386.51	3/4	5,634.51	3/4	5,868.51	3/4	6,056.51	3/4	6,260.51
10	3,454.10	10	3,776.86	10	4,079.38	10	4,374.42	10	4,584.42	10	4,868.42	10	5,136.42	10	5,390.42	10	5,640.42	10	5,872.42	10	6,059.42	10	6,263.42
1/4	3,461.00	1/4	3,783.36	1/4	4,085.43	1/4	4,379.33	1/4	4,589.33	1/4	4,873.33	1/4	5,140.33	1/4	5,394.33	1/4	5,644.33	1/4	5,876.33	1/4	6,062.33	1/4	6,266.33
1/2	3,467.91	1/2	3,789.86	1/2	4,091.48	1/2	4,384.24	1/2	4,594.24	1/2	4,878.24	1/2	5,144.24	1/2	5,398.24	1/2	5,648.24	1/2	5,880.24	1/2	6,065.24	1/2	6,269.24
3/4	3,474.81	3/4	3,796.36	3/4	4,097.53	3/4	4,389.15	3/4	4,600.15	3/4	4,883.15	3/4	5,148.15	3/4	5,402.15	3/4	5,652.15	3/4	5,884.15	3/4	6,068.15	3/4	6,272.15
11	3,481.71	11	3,802.86	11	4,103.58	11	4,395.06	11	4,605.06	11	4,888.06	11	5,152.06	11	5,406.06	11	5,656.06	11	5,888.06	11	6,071.06	11	6,275.06
1/4	3,488.59	1/4	3,809.33	1/4	4,109.60	1/4	4,400.97	1/4	4,610.97	1/4	4,894.97	1/4	5,156.97	1/4	5,410.97	1/4	5,660.97	1/4	5,892.97	1/4	6,074.97	1/4	6,278.97
1/2	3,495.47	1/2	3,815.80	1/2	4,115.61	1/2	4,406.88	1/2	4,616.88	1/2	4,900.88	1/2	5,160.88	1/2	5,414.88	1/2	5,664.88	1/2	5,896.88	1/2	6,077.88	1/2	6,281.88
3/4	3,502.35	3/4	3,822.26	3/4	4,121.63																		



BARGE "EMS 395"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	16.15	0	267.29	0	550.88	0	857.74	0	1,185.38	0	1,516.13	0	1,846.88	0	2,177.63	0	2,508.38	0	2,839.12
1/4	19.37	1/4	272.97	1/4	557.05	1/4	864.39	1/4	1,192.27	1/4	1,523.02	1/4	1,853.77	1/4	2,184.52	1/4	2,515.27	1/4	2,846.01
1/2	22.59	1/2	278.66	1/2	563.22	1/2	871.05	1/2	1,199.16	1/2	1,529.91	1/2	1,860.66	1/2	2,191.41	1/2	2,522.16	1/2	2,852.90
3/4	25.81	3/4	284.34	3/4	569.40	3/4	877.70	3/4	1,206.06	3/4	1,536.80	3/4	1,867.55	3/4	2,198.30	3/4	2,529.05	3/4	2,859.79
1	29.03	1	290.02	1	575.57	1	884.35	1	1,212.95	1	1,543.69	1	1,874.44	1	2,205.19	1	2,535.94	1	2,866.68
1 1/4	34.02	1 1/4	295.75	1 1/4	581.78	1 1/4	891.04	1 1/4	1,219.84	1 1/4	1,550.59	1 1/4	1,881.33	1 1/4	2,212.08	1 1/4	2,542.83	1 1/4	2,873.57
1 1/2	39.01	1 1/2	301.47	1 1/2	588.00	1 1/2	897.74	1 1/2	1,226.73	1 1/2	1,557.48	1 1/2	1,888.22	1 1/2	2,218.97	1 1/2	2,549.72	1 1/2	2,880.46
1 3/4	43.99	1 3/4	307.19	1 3/4	594.22	1 3/4	904.33	1 3/4	1,233.62	1 3/4	1,564.37	1 3/4	1,895.11	1 3/4	2,225.86	1 3/4	2,556.61	1 3/4	2,887.35
2	48.98	2	312.92	2	600.43	2	911.12	2	1,240.51	2	1,571.26	2	1,902.01	2	2,232.75	2	2,563.50	2	2,894.24
2 1/4	54.25	2 1/4	318.68	2 1/4	606.69	2 1/4	917.86	2 1/4	1,247.40	2 1/4	1,578.15	2 1/4	1,908.90	2 1/4	2,239.65	2 1/4	2,570.39	2 1/4	2,901.13
2 1/2	59.53	2 1/2	324.45	2 1/2	612.94	2 1/2	924.59	2 1/2	1,254.29	2 1/2	1,585.04	2 1/2	1,915.79	2 1/2	2,246.54	2 1/2	2,577.28	2 1/2	2,908.02
3	64.80	3	330.21	3	619.20	3	931.32	3	1,261.18	3	1,591.93	3	1,922.68	3	2,253.43	3	2,584.18	3	2,914.90
3 1/4	70.07	3 1/4	335.98	3 1/4	625.46	3 1/4	938.06	3 1/4	1,268.07	3 1/4	1,598.82	3 1/4	1,929.57	3 1/4	2,260.32	3 1/4	2,591.07	3 1/4	2,921.79
3 1/2	75.39	3 1/2	341.78	3 1/2	631.75	3 1/2	944.85	3 1/2	1,274.96	3 1/2	1,605.71	3 1/2	1,936.46	3 1/2	2,267.21	3 1/2	2,597.96	3 1/2	2,928.68
3 3/4	80.70	3 3/4	347.59	3 3/4	638.05	3 3/4	951.64	3 3/4	1,281.85	3 3/4	1,612.60	3 3/4	1,943.35	3 3/4	2,274.10	3 3/4	2,604.85	3 3/4	2,935.57
4	86.02	4	353.39	4	644.35	4	958.42	4	1,288.74	4	1,619.49	4	1,950.24	4	2,280.99	4	2,611.74	4	2,942.46
4 1/4	91.33	4 1/4	359.20	4 1/4	650.84	4 1/4	965.21	4 1/4	1,295.63	4 1/4	1,626.38	4 1/4	1,957.13	4 1/4	2,287.88	4 1/4	2,618.63	4 1/4	2,949.35
4 1/2	96.69	4 1/2	365.05	4 1/2	656.98	4 1/2	972.04	4 1/2	1,302.52	4 1/2	1,633.27	4 1/2	1,964.02	4 1/2	2,294.77	4 1/2	2,625.52	4 1/2	2,956.24
4 3/4	102.04	4 3/4	370.89	4 3/4	663.32	4 3/4	978.87	4 3/4	1,309.41	4 3/4	1,640.16	4 3/4	1,970.91	4 3/4	2,301.66	4 3/4	2,632.41	4 3/4	2,963.13
5	107.40	5	376.74	5	669.66	5	985.70	5	1,316.30	5	1,647.05	5	1,977.80	5	2,308.55	5	2,639.30	5	2,970.02
5 1/4	112.75	5 1/4	382.59	5 1/4	675.99	5 1/4	992.53	5 1/4	1,323.20	5 1/4	1,653.94	5 1/4	1,984.69	5 1/4	2,315.44	5 1/4	2,646.19	5 1/4	2,976.81
5 1/2	118.15	5 1/2	388.47	5 1/2	682.37	5 1/2	999.40	5 1/2	1,330.09	5 1/2	1,660.83	5 1/2	1,991.58	5 1/2	2,322.33	5 1/2	2,653.08	5 1/2	2,983.80
5 3/4	123.55	5 3/4	394.36	5 3/4	688.75	5 3/4	1,006.27	5 3/4	1,336.98	5 3/4	1,667.73	5 3/4	1,998.47	5 3/4	2,329.22	5 3/4	2,659.97	5 3/4	2,990.69
6	128.94	6	400.25	6	695.13	6	1,013.14	6	1,343.87	6	1,674.62	6	2,005.36	6	2,336.11	6	2,666.86	6	2,997.58
6 1/4	134.34	6 1/4	406.14	6 1/4	701.51	6 1/4	1,020.01	6 1/4	1,350.76	6 1/4	1,681.51	6 1/4	2,012.26	6 1/4	2,343.00	6 1/4	2,673.75	6 1/4	3,004.47
6 1/2	139.78	6 1/2	412.06	6 1/2	707.93	6 1/2	1,026.90	6 1/2	1,357.65	6 1/2	1,688.40	6 1/2	2,019.15	6 1/2	2,349.89	6 1/2	2,680.64	6 1/2	3,011.36
6 3/4	145.21	6 3/4	417.99	6 3/4	714.35	6 3/4	1,033.79	6 3/4	1,364.54	6 3/4	1,695.29	6 3/4	2,026.04	6 3/4	2,356.79	6 3/4	2,687.53	6 3/4	3,018.25
7	150.65	7	423.92	7	720.77	7	1,040.68	7	1,371.43	7	1,702.18	7	2,032.93	7	2,363.68	7	2,694.42	7	3,025.14
7 1/4	156.09	7 1/4	429.85	7 1/4	727.19	7 1/4	1,047.57	7 1/4	1,378.32	7 1/4	1,709.07	7 1/4	2,039.82	7 1/4	2,370.57	7 1/4	2,701.32	7 1/4	3,032.03
7 1/2	161.57	7 1/2	435.82	7 1/2	733.64	7 1/2	1,054.46	7 1/2	1,385.21	7 1/2	1,715.96	7 1/2	2,046.71	7 1/2	2,377.46	7 1/2	2,708.21	7 1/2	3,038.92
7 3/4	167.05	7 3/4	441.79	7 3/4	740.08	7 3/4	1,061.35	7 3/4	1,392.10	7 3/4	1,722.85	7 3/4	2,053.60	7 3/4	2,384.35	7 3/4	2,715.10	7 3/4	3,045.81
8	172.52	8	447.76	8	746.53	8	1,068.24	8	1,398.99	8	1,729.74	8	2,060.49	8	2,391.24	8	2,721.99	8	3,052.70
8 1/4	178.00	8 1/4	453.73	8 1/4	752.98	8 1/4	1,075.13	8 1/4	1,405.88	8 1/4	1,736.63	8 1/4	2,067.38	8 1/4	2,398.13	8 1/4	2,728.88	8 1/4	3,059.59
8 1/2	183.52	8 1/2	459.74	8 1/2	759.47	8 1/2	1,082.02	8 1/2	1,412.77	8 1/2	1,743.52	8 1/2	2,074.27	8 1/2	2,405.02	8 1/2	2,735.77	8 1/2	3,066.48
8 3/4	189.04	8 3/4	465.75	8 3/4	765.96	8 3/4	1,088.91	8 3/4	1,419.66	8 3/4	1,750.41	8 3/4	2,081.16	8 3/4	2,411.91	8 3/4	2,742.66	8 3/4	3,073.37
9	194.56	9	471.76	9	772.44	9	1,095.81	9	1,426.55	9	1,757.30	9	2,088.05	9	2,418.80	9	2,749.55	9	3,080.26
9 1/4	200.08	9 1/4	477.77	9 1/4	778.93	9 1/4	1,102.70	9 1/4	1,433.44	9 1/4	1,764.19	9 1/4	2,094.94	9 1/4	2,425.69	9 1/4	2,756.44	9 1/4	3,087.14
9 1/2	205.64	9 1/2	483.82	9 1/2	785.46	9 1/2	1,109.59	9 1/2	1,440.34	9 1/2	1,771.08	9 1/2	2,101.83	9 1/2	2,432.58	9 1/2	2,763.33	9 1/2	3,094.03
9 3/4	211.20	9 3/4	489.87	9 3/4	791.99	9 3/4	1,116.48	9 3/4	1,447.23	9 3/4	1,777.97	9 3/4	2,108.72	9 3/4	2,439.47	9 3/4	2,770.22	9 3/4	3,100.92
10	216.76	10	495.92	10	798.52	10	1,123.37	10	1,454.12	10	1,784.87	10	2,115.61	10	2,446.36	10	2,777.11	10	3,107.81
10 1/4	222.32	10 1/4	501.97	10 1/4	805.05	10 1/4	1,130.26	10 1/4	1,461.01	10 1/4	1,791.76	10 1/4	2,122.50	10 1/4	2,453.25	10 1/4	2,784.00	10 1/4	3,114.70
10 1/2	227.92	10 1/2	508.07	10 1/2	811.62	10 1/2	1,137.15	10 1/2	1,467.90	10 1/2	1,798.65	10 1/2	2,129.40	10 1/2	2,460.14	10 1/2	2,790.89	10 1/2	3,121.59
10 3/4	233.52	10 3/4	514.16	10 3/4	818.18	10 3/4	1,144.04	10 3/4	1,474.79	10 3/4	1,805.54	10 3/4	2,136.29	10 3/4	2,467.03	10 3/4	2,797.78	10 3/4	3,128.48
11	239.12	11	520.25	11	824.75	11	1,150.93	11	1,481.68	11	1,812.43	11	2,143.18	11	2,473.93	11	2,804.67	11	3,135.37
11 1/4	244.72	11 1/4	526.34	11 1/4	831.31	11 1/4	1,157.82	11 1/4	1,488.57	11 1/4	1,819.32	11 1/4	2,150.07	11 1/4	2,480.82	11 1/4	2,811.56	11 1/4	3,142.26
11 1/2	250.37	11 1/2	532.48	11 1/2	837.92	11 1/2	1,164.71	11 1/2	1,495.46	11 1/2	1,826.21	11 1/2	2,156.96	11 1/2	2,487.71	11 1/2	2,818.45	11 1/2	3,149.15
11 3/4	256.01	11 3/4	538.61	11 3/4	844.53	11 3/4	1,171.60	11 3/4	1,502.35	11 3/4	1,833.10	11 3/4	2,163.85	11 3/4	2,494.60	11 3/4	2,825.34	11 3/4	3,156.04
12	261.65	12	544.74	12	851.13	12	1,178.49	12	1,509.24	12	1,839.99	12	2,170.74	12	2,501.49	12	2,832.23	12	3,162.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
 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 TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 395"

1 STBD INNAGE TABLE

GAUGE HEIGHT 14'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,169.82	0	3,500.37	0	3,818.95	0	4,116.98	0	4,416.98	0	4,716.98	0	5,016.98	0	5,316.98	0	5,616.98	0	5,916.98
1/4	3,176.71	1/4	3,507.26	1/4	3,825.84	1/4	4,123.87	1/4	4,423.87	1/4	4,723.87	1/4	5,023.87	1/4	5,323.87	1/4	5,623.87	1/4	5,923.87
1/2	3,183.60	1/2	3,514.15	1/2	3,832.73	1/2	4,130.76	1/2	4,430.76	1/2	4,730.76	1/2	5,030.76	1/2	5,330.76	1/2	5,630.76	1/2	5,930.76
3/4	3,190.49	3/4	3,520.64	3/4	3,838.77	3/4	4,136.80	3/4	4,436.80	3/4	4,736.80	3/4	5,036.80	3/4	5,336.80	3/4	5,636.80	3/4	5,936.80
1	3,197.38	1	3,527.53	1	3,844.60	1	4,140.83	1	4,440.83	1	4,740.83	1	5,040.83	1	5,340.83	1	5,640.83	1	5,940.83
1/4	3,204.27	1/4	3,534.47	1/4	3,850.98	1/4	4,146.76	1/4	4,446.76	1/4	4,746.76	1/4	5,046.76	1/4	5,346.76	1/4	5,646.76	1/4	5,946.76
1/2	3,211.16	1/2	3,541.26	1/2	3,857.36	1/2	4,152.69	1/2	4,452.69	1/2	4,752.69	1/2	5,052.69	1/2	5,352.69	1/2	5,652.69	1/2	5,952.69
3/4	3,218.05	3/4	3,548.05	3/4	3,863.74	3/4	4,158.62	3/4	4,458.62	3/4	4,758.62	3/4	5,058.62	3/4	5,358.62	3/4	5,658.62	3/4	5,958.62
1	3,224.94	1	3,554.84	1	3,870.12	1	4,164.55	1	4,464.55	1	4,764.55	1	5,064.55	1	5,364.55	1	5,664.55	1	5,964.55
1/4	3,231.83	1/4	3,561.60	1/4	3,876.47	1/4	4,170.44	1/4	4,470.44	1/4	4,770.44	1/4	5,070.44	1/4	5,370.44	1/4	5,670.44	1/4	5,970.44
1/2	3,238.72	1/2	3,568.35	1/2	3,882.81	1/2	4,176.34	1/2	4,476.34	1/2	4,776.34	1/2	5,076.34	1/2	5,376.34	1/2	5,676.34	1/2	5,976.34
3/4	3,245.61	3/4	3,575.11	3/4	3,889.16	3/4	4,182.23	3/4	4,482.23	3/4	4,782.23	3/4	5,082.23	3/4	5,382.23	3/4	5,682.23	3/4	5,982.23
1	3,252.50	1	3,581.87	1	3,895.50	1	4,188.12	1	4,488.12	1	4,788.12	1	5,088.12	1	5,388.12	1	5,688.12	1	5,988.12
1/4	3,259.38	1/4	3,588.59	1/4	3,901.82	1/4	4,193.98	1/4	4,493.98	1/4	4,793.98	1/4	5,093.98	1/4	5,393.98	1/4	5,693.98	1/4	5,993.98
1/2	3,266.27	1/2	3,595.31	1/2	3,908.13	1/2	4,199.84	1/2	4,499.84	1/2	4,799.84	1/2	5,099.84	1/2	5,399.84	1/2	5,699.84	1/2	5,999.84
3/4	3,273.16	3/4	3,602.04	3/4	3,914.44	3/4	4,205.70	3/4	4,505.70	3/4	4,805.70	3/4	5,105.70	3/4	5,405.70	3/4	5,705.70	3/4	6,005.70
1	3,280.05	1	3,608.76	1	3,920.75	1	4,211.56	1	4,511.56	1	4,811.56	1	5,111.56	1	5,411.56	1	5,711.56	1	6,011.56
1/4	3,286.94	1/4	3,615.45	1/4	3,927.03	1/4	4,217.91	1/4	4,517.91	1/4	4,817.91	1/4	5,117.91	1/4	5,417.91	1/4	5,717.91	1/4	6,017.91
1/2	3,293.83	1/2	3,622.14	1/2	3,933.30	1/2	4,224.26	1/2	4,524.26	1/2	4,824.26	1/2	5,124.26	1/2	5,424.26	1/2	5,724.26	1/2	6,024.26
3/4	3,300.72	3/4	3,628.82	3/4	3,939.58	3/4	4,230.60	3/4	4,530.60	3/4	4,830.60	3/4	5,130.60	3/4	5,430.60	3/4	5,730.60	3/4	6,030.60
1	3,307.61	1	3,635.51	1	3,945.86	1	4,236.95	1	4,536.95	1	4,836.95	1	5,136.95	1	5,436.95	1	5,736.95	1	6,036.95
1/4	3,314.50	1/4	3,642.17	1/4	3,952.10	1/4	4,243.80	1/4	4,543.80	1/4	4,843.80	1/4	5,143.80	1/4	5,443.80	1/4	5,743.80	1/4	6,043.80
1/2	3,321.39	1/2	3,648.82	1/2	3,958.34	1/2	4,250.65	1/2	4,550.65	1/2	4,850.65	1/2	5,150.65	1/2	5,450.65	1/2	5,750.65	1/2	6,050.65
3/4	3,328.28	3/4	3,655.47	3/4	3,964.59	3/4	4,257.50	3/4	4,557.50	3/4	4,857.50	3/4	5,157.50	3/4	5,457.50	3/4	5,757.50	3/4	6,057.50
1	3,335.17	1	3,662.13	1	3,970.83	1	4,264.35	1	4,564.35	1	4,864.35	1	5,164.35	1	5,464.35	1	5,764.35	1	6,064.35
1/4	3,342.06	1/4	3,668.75	1/4	3,977.04	1/4	4,271.20	1/4	4,571.20	1/4	4,871.20	1/4	5,171.20	1/4	5,471.20	1/4	5,771.20	1/4	6,071.20
1/2	3,348.95	1/2	3,675.37	1/2	3,983.25	1/2	4,278.05	1/2	4,578.05	1/2	4,878.05	1/2	5,178.05	1/2	5,478.05	1/2	5,778.05	1/2	6,078.05
3/4	3,355.84	3/4	3,681.99	3/4	3,989.45	3/4	4,284.90	3/4	4,584.90	3/4	4,884.90	3/4	5,184.90	3/4	5,484.90	3/4	5,784.90	3/4	6,084.90
1	3,362.73	1	3,688.61	1	3,995.66	1	4,291.75	1	4,591.75	1	4,891.75	1	5,191.75	1	5,491.75	1	5,791.75	1	6,091.75
1/4	3,369.62	1/4	3,695.19	1/4	4,001.80	1/4	4,298.53	1/4	4,598.53	1/4	4,898.53	1/4	5,198.53	1/4	5,498.53	1/4	5,798.53	1/4	6,098.53
1/2	3,376.51	1/2	3,701.78	1/2	4,007.93	1/2	4,305.30	1/2	4,605.30	1/2	4,905.30	1/2	5,205.30	1/2	5,505.30	1/2	5,805.30	1/2	6,105.30
3/4	3,383.40	3/4	3,708.36	3/4	4,014.07	3/4	4,312.08	3/4	4,612.08	3/4	4,912.08	3/4	5,212.08	3/4	5,512.08	3/4	5,812.08	3/4	6,112.08
1	3,390.29	1	3,714.95	1	4,020.20	1	4,318.85	1	4,618.85	1	4,918.85	1	5,218.85	1	5,518.85	1	5,818.85	1	6,118.85
1/4	3,397.18	1/4	3,721.50	1/4	4,026.30	1/4	4,325.00	1/4	4,625.00	1/4	4,925.00	1/4	5,225.00	1/4	5,525.00	1/4	5,825.00	1/4	6,125.00
1/2	3,404.07	1/2	3,728.05	1/2	4,032.40	1/2	4,331.15	1/2	4,631.15	1/2	4,931.15	1/2	5,231.15	1/2	5,531.15	1/2	5,831.15	1/2	6,131.15
3/4	3,410.96	3/4	3,734.60	3/4	4,038.50	3/4	4,337.31	3/4	4,637.31	3/4	4,937.31	3/4	5,237.31	3/4	5,537.31	3/4	5,837.31	3/4	6,137.31
1	3,417.85	1	3,741.15	1	4,044.60	1	4,343.46	1	4,643.46	1	4,943.46	1	5,243.46	1	5,543.46	1	5,843.46	1	6,143.46
1/4	3,424.74	1/4	3,747.67	1/4	4,050.67	1/4	4,348.35	1/4	4,648.35	1/4	4,948.35	1/4	5,248.35	1/4	5,548.35	1/4	5,848.35	1/4	6,148.35
1/2	3,431.62	1/2	3,754.19	1/2	4,056.73	1/2	4,353.25	1/2	4,653.25	1/2	4,953.25	1/2	5,253.25	1/2	5,553.25	1/2	5,853.25	1/2	6,153.25
3/4	3,438.51	3/4	3,760.70	3/4	4,062.80	3/4	4,358.15	3/4	4,658.15	3/4	4,958.15	3/4	5,258.15	3/4	5,558.15	3/4	5,858.15	3/4	6,158.15
1	3,445.40	1	3,767.22	1	4,068.86	1	4,363.00	1	4,663.00	1	4,963.00	1	5,263.00	1	5,563.00	1	5,863.00	1	6,163.00
1/4	3,452.29	1/4	3,773.70	1/4	4,074.90	1/4	4,367.85	1/4	4,667.85	1/4	4,967.85	1/4	5,267.85	1/4	5,567.85	1/4	5,867.85	1/4	6,167.85
1/2	3,459.17	1/2	3,780.19	1/2	4,080.93	1/2	4,372.70	1/2	4,672.70	1/2	4,972.70	1/2	5,272.70	1/2	5,572.70	1/2	5,872.70	1/2	6,172.70
3/4	3,466.05	3/4	3,786.67	3/4	4,086.96	3/4	4,377.55	3/4	4,677.55	3/4	4,977.55	3/4	5,277.55	3/4	5,577.55	3/4	5,877.55	3/4	6,177.55
1	3,472.94	1	3,793.15	1	4,092.99	1	4,382.40	1	4,682.40	1	4,982.40	1	5,282.40	1	5,582.40	1	5,882.40	1	6,182.40
1/4	3,479.80	1/4	3,799.60	1/4	4,098.99	1/4	4,387.25	1/4	4,687.25	1/4	4,987.25	1/4	5,287.25	1/4	5,587.25	1/4	5,887.25	1/4	6,187.25
1/2	3,486.66	1/2	3,806.05	1/2	4,104.98	1/2	4,392.10	1/2	4,692.10	1/2	4,992.10	1/2	5,292.10	1/2	5,592.10	1/2	5,892.10	1/2	6,192.10
3/4	3,493.52	3/4	3,812.50	3/4	4,110.98	3/4	4,396.95	3/4	4,696.95	3/4	4,996.95	3/4	5,296.95	3/4	5,596.95	3/4	5,896.95	3/4	6,196.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77568
http://www.pmacorp.net



BARGE "EMS 395"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	18.91	0	776.40	0	1,160.55	0	1,549.69	0	1,938.83	0	2,327.97	0	2,717.12	0	3,106.26	0	3,495.39	0	3,884.53
1/4	24.70	1/4	784.19	1/4	1,168.66	1/4	1,557.80	1/4	1,946.94	1/4	2,336.08	1/4	2,725.22	1/4	3,114.36	1/4	3,503.49	1/4	3,892.63
1/2	30.49	1/2	791.97	1/2	1,176.77	1/2	1,565.91	1/2	1,955.05	1/2	2,344.19	1/2	2,733.33	1/2	3,122.47	1/2	3,511.60	1/2	3,900.74
3/4	36.28	3/4	799.76	3/4	1,184.87	3/4	1,574.01	3/4	1,963.15	3/4	2,352.30	3/4	2,741.44	3/4	3,130.58	3/4	3,519.71	3/4	3,908.85
1	42.07	1	807.54	1	1,192.98	1	1,583.12	1	1,971.26	1	2,360.40	1	2,750.74	1	3,140.08	1	3,529.21	1	3,918.35
1 1/4	49.88	1 1/4	815.33	1 1/4	1,201.09	1 1/4	1,591.23	1 1/4	1,979.37	1 1/4	2,368.51	1 1/4	2,758.85	1 1/4	3,148.19	1 1/4	3,537.32	1 1/4	3,926.46
1 1/2	57.70	1 1/2	823.13	1 1/2	1,209.19	1 1/2	1,598.34	1 1/2	1,987.48	1 1/2	2,376.62	1 1/2	2,766.96	1 1/2	3,156.50	1 1/2	3,545.63	1 1/2	3,934.77
1 3/4	65.52	1 3/4	830.92	1 3/4	1,217.30	1 3/4	1,606.44	1 3/4	1,995.58	1 3/4	2,384.72	1 3/4	2,775.06	1 3/4	3,165.01	1 3/4	3,554.14	1 3/4	3,943.28
2	73.33	2	838.72	2	1,225.41	2	1,614.55	2	2,003.69	2	2,392.83	2	2,783.17	2	3,173.51	2	3,562.64	2	3,951.78
2 1/4	81.14	2 1/4	846.52	2 1/4	1,233.52	2 1/4	1,622.66	2 1/4	2,011.80	2 1/4	2,400.94	2 1/4	2,791.08	2 1/4	3,181.42	2 1/4	3,570.55	2 1/4	3,959.69
2 1/2	89.55	2 1/2	854.32	2 1/2	1,241.62	2 1/2	1,630.76	2 1/2	2,019.90	2 1/2	2,409.05	2 1/2	2,799.19	2 1/2	3,189.53	2 1/2	3,578.66	2 1/2	3,968.80
2 3/4	97.65	2 3/4	862.12	2 3/4	1,249.73	2 3/4	1,638.87	2 3/4	2,028.01	2 3/4	2,417.15	2 3/4	2,806.29	2 3/4	3,195.43	2 3/4	3,584.55	2 3/4	3,976.94
3	105.76	3	869.92	3	1,257.84	3	1,646.98	3	2,036.12	3	2,425.26	3	2,814.40	3	3,203.54	3	3,592.66	3	3,985.06
3 1/4	113.87	3 1/4	877.72	3 1/4	1,265.94	3 1/4	1,655.08	3 1/4	2,044.23	3 1/4	2,433.37	3 1/4	2,822.51	3 1/4	3,211.65	3 1/4	3,600.77	3 1/4	3,989.90
3 1/2	121.97	3 1/2	885.52	3 1/2	1,274.05	3 1/2	1,663.19	3 1/2	2,052.33	3 1/2	2,441.47	3 1/2	2,830.61	3 1/2	3,219.76	3 1/2	3,608.87	3 1/2	3,998.04
3 3/4	130.08	3 3/4	893.32	3 3/4	1,282.16	3 3/4	1,671.30	3 3/4	2,060.44	3 3/4	2,449.58	3 3/4	2,838.72	3 3/4	3,227.86	3 3/4	3,616.98	3 3/4	4,006.18
4	138.19	4	901.12	4	1,290.27	4	1,679.41	4	2,068.55	4	2,457.69	4	2,846.83	4	3,235.97	4	3,625.08	4	4,014.28
4 1/4	146.29	4 1/4	909.23	4 1/4	1,298.37	4 1/4	1,687.51	4 1/4	2,076.65	4 1/4	2,465.79	4 1/4	2,854.94	4 1/4	3,244.08	4 1/4	3,633.19	4 1/4	4,022.38
4 1/2	154.40	4 1/2	917.34	4 1/2	1,306.48	4 1/2	1,695.62	4 1/2	2,084.76	4 1/2	2,473.90	4 1/2	2,863.04	4 1/2	3,252.18	4 1/2	3,641.30	4 1/2	4,030.48
4 3/4	162.50	4 3/4	925.45	4 3/4	1,314.59	4 3/4	1,703.73	4 3/4	2,092.87	4 3/4	2,482.01	4 3/4	2,871.15	4 3/4	3,260.29	4 3/4	3,649.40	4 3/4	4,038.58
5	170.61	5	933.55	5	1,322.69	5	1,711.83	5	2,100.98	5	2,490.12	5	2,879.26	5	3,268.40	5	3,657.51	5	4,046.69
5 1/4	178.72	5 1/4	941.66	5 1/4	1,330.80	5 1/4	1,719.94	5 1/4	2,109.08	5 1/4	2,498.22	5 1/4	2,887.36	5 1/4	3,276.50	5 1/4	3,665.61	5 1/4	4,054.79
5 1/2	186.82	5 1/2	949.77	5 1/2	1,338.91	5 1/2	1,728.05	5 1/2	2,117.19	5 1/2	2,506.33	5 1/2	2,895.47	5 1/2	3,284.61	5 1/2	3,673.72	5 1/2	4,062.88
5 3/4	194.93	5 3/4	957.87	5 3/4	1,347.02	5 3/4	1,736.16	5 3/4	2,125.30	5 3/4	2,514.44	5 3/4	2,903.58	5 3/4	3,292.72	5 3/4	3,681.83	5 3/4	4,070.98
6	203.04	6	965.98	6	1,355.12	6	1,744.26	6	2,133.40	6	2,522.54	6	2,911.69	6	3,300.83	6	3,689.93	6	4,079.08
6 1/4	211.14	6 1/4	974.09	6 1/4	1,363.23	6 1/4	1,752.37	6 1/4	2,141.51	6 1/4	2,530.65	6 1/4	2,919.79	6 1/4	3,308.93	6 1/4	3,698.04	6 1/4	4,087.18
6 1/2	219.25	6 1/2	982.20	6 1/2	1,371.34	6 1/2	1,760.48	6 1/2	2,149.62	6 1/2	2,538.76	6 1/2	2,927.90	6 1/2	3,317.04	6 1/2	3,706.14	6 1/2	4,095.28
6 3/4	227.36	6 3/4	990.30	6 3/4	1,379.44	6 3/4	1,768.58	6 3/4	2,157.73	6 3/4	2,546.87	6 3/4	2,936.01	6 3/4	3,325.15	6 3/4	3,714.25	6 3/4	4,103.38
7	235.46	7	998.41	7	1,387.55	7	1,776.69	7	2,165.83	7	2,554.97	7	2,944.11	7	3,333.25	7	3,722.36	7	4,111.48
7 1/4	243.57	7 1/4	1,006.52	7 1/4	1,395.66	7 1/4	1,784.80	7 1/4	2,173.94	7 1/4	2,563.08	7 1/4	2,952.22	7 1/4	3,341.36	7 1/4	3,730.46	7 1/4	4,119.58
7 1/2	251.68	7 1/2	1,014.62	7 1/2	1,403.76	7 1/2	1,792.91	7 1/2	2,182.05	7 1/2	2,571.19	7 1/2	2,960.33	7 1/2	3,349.47	7 1/2	3,738.57	7 1/2	4,127.68
7 3/4	259.78	7 3/4	1,022.73	7 3/4	1,411.87	7 3/4	1,801.01	7 3/4	2,190.15	7 3/4	2,579.29	7 3/4	2,968.44	7 3/4	3,357.58	7 3/4	3,746.67	7 3/4	4,135.78
8	267.89	8	1,030.84	8	1,419.98	8	1,809.12	8	2,198.26	8	2,587.40	8	2,976.54	8	3,365.68	8	3,754.78	8	4,143.88
8 1/4	275.99	8 1/4	1,038.95	8 1/4	1,428.09	8 1/4	1,817.23	8 1/4	2,206.37	8 1/4	2,595.51	8 1/4	2,984.65	8 1/4	3,373.79	8 1/4	3,762.89	8 1/4	4,151.98
8 1/2	284.10	8 1/2	1,047.05	8 1/2	1,436.19	8 1/2	1,825.33	8 1/2	2,214.47	8 1/2	2,603.62	8 1/2	2,992.76	8 1/2	3,381.90	8 1/2	3,770.99	8 1/2	4,160.08
8 3/4	292.21	8 3/4	1,055.16	8 3/4	1,444.30	8 3/4	1,833.44	8 3/4	2,222.58	8 3/4	2,611.72	8 3/4	3,000.86	8 3/4	3,390.00	8 3/4	3,779.10	8 3/4	4,168.18
9	300.31	9	1,063.27	9	1,452.41	9	1,841.55	9	2,230.69	9	2,619.83	9	3,008.97	9	3,398.11	9	3,787.20	9	4,176.28
9 1/4	308.42	9 1/4	1,071.37	9 1/4	1,460.51	9 1/4	1,849.66	9 1/4	2,238.80	9 1/4	2,627.94	9 1/4	3,017.08	9 1/4	3,406.22	9 1/4	3,795.31	9 1/4	4,184.38
9 1/2	316.53	9 1/2	1,079.48	9 1/2	1,468.62	9 1/2	1,857.76	9 1/2	2,246.90	9 1/2	2,636.04	9 1/2	3,025.18	9 1/2	3,414.33	9 1/2	3,803.42	9 1/2	4,192.48
9 3/4	324.63	9 3/4	1,087.59	9 3/4	1,476.73	9 3/4	1,865.87	9 3/4	2,255.01	9 3/4	2,644.15	9 3/4	3,033.29	9 3/4	3,422.43	9 3/4	3,811.52	9 3/4	4,200.58
10	332.74	10	1,095.70	10	1,484.84	10	1,873.98	10	2,263.12	10	2,652.26	10	3,041.40	10	3,430.54	10	3,819.63	10	4,208.68
10 1/4	340.85	10 1/4	1,103.80	10 1/4	1,492.94	10 1/4	1,882.08	10 1/4	2,271.22	10 1/4	2,660.37	10 1/4	3,049.51	10 1/4	3,438.65	10 1/4	3,827.73	10 1/4	4,216.78
10 1/2	348.95	10 1/2	1,111.91	10 1/2	1,501.05	10 1/2	1,890.19	10 1/2	2,279.33	10 1/2	2,669.47	10 1/2	3,057.61	10 1/2	3,446.75	10 1/2	3,835.84	10 1/2	4,224.88
10 3/4	357.06	10 3/4	1,120.02	10 3/4	1,509.16	10 3/4	1,898.30	10 3/4	2,287.44	10 3/4	2,677.58	10 3/4	3,065.72	10 3/4	3,454.86	10 3/4	3,843.95	10 3/4	4,232.98
11	365.16	11	1,128.12	11	1,517.26	11	1,906.40	11	2,295.55	11	2,685.69	11	3,073.83	11	3,462.96	11	3,852.05	11	4,241.08
11 1/4	373.27	11 1/4	1,136.23	11 1/4	1,525.37	11 1/4	1,914.51	11 1/4	2,303.65	11 1/4	2,692.79	11 1/4	3,081.93	11 1/4	3,471.07	11 1/4	3,860.16	11 1/4	4,249.18
11 1/2	381.38	11 1/2	1,144.34	11 1/2	1,533.48	11 1/2	1,922.62	11 1/2	2,311.76	11 1/2	2,700.90	11 1/2	3,090.04	11 1/2	3,479.18	11 1/2	3,868.26	11 1/2	4,257.28
11 3/4	389.48	11 3/4	1,152.44	11 3/4	1,541.59	11 3/4	1,930.73	11 3/4	2,319.87	11 3/4	2,709.01	11 3/4	3,098.15	11 3/4	3,487.28	11 3/4	3,876.37	11 3/4	4,265.38

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77568
<http://www.pmatcorp.net>



BARGE "EMS 395"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,884.48	0	4,273.39	0	4,648.20	0	4,998.83	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,892.58	1/4	4,281.42	1/4	4,655.74	1/4	5,005.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,900.69	1/2	4,289.45	1/2	4,663.29	1/2	5,012.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,908.79	3/4	4,297.48	3/4	4,670.84	3/4	5,019.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,916.90	1	4,305.51	1	4,678.38	1	5,026.89	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,925.01	1/4	4,313.50	1/4	4,685.89	1/4	5,033.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,933.11	1/2	4,321.49	1/2	4,693.39	1/2	5,040.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,941.22	3/4	4,329.48	3/4	4,700.90	3/4	5,047.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,949.32	2	4,337.47	2	4,708.41	2	5,054.79	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,957.43	1/4	4,345.42	1/4	4,715.87	1/4	5,061.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,965.54	1/2	4,353.37	1/2	4,723.34	1/2	5,068.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,973.64	3/4	4,361.32	3/4	4,730.80	3/4	5,075.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,981.75	3	4,369.27	3	4,738.27	3	5,082.52	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,989.85	1/4	4,377.18	1/4	4,745.69	1/4	5,089.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,997.96	1/2	4,385.09	1/2	4,753.12	1/2	5,096.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,006.07	3/4	4,393.00	3/4	4,760.54	3/4	5,103.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4,014.17	4	4,400.91	4	4,767.97	4	5,110.10	4	4	4	4	4	4	4	4	4	4	4	4
1/4	4,022.28	1/4	4,408.77	1/4	4,775.36	1/4	5,117.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,030.38	1/2	4,416.64	1/2	4,782.74	1/2	5,125.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,038.49	3/4	4,424.51	3/4	4,790.13	3/4	5,132.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	4,046.60	5	4,432.38	5	4,797.51	5	5,139.96	5	5	5	5	5	5	5	5	5	5	5	5
1/4	4,054.70	1/4	4,440.21	1/4	4,804.86	1/4	5,148.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,062.81	1/2	4,448.04	1/2	4,812.20	1/2	5,156.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,070.91	3/4	4,455.87	3/4	4,819.54	3/4	5,164.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	4,079.02	6	4,463.70	6	4,826.89	6	5,172.20	6	6	6	6	6	6	6	6	6	6	6	6
1/4	4,087.13	1/4	4,471.48	1/4	4,834.19	1/4	5,180.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,095.23	1/2	4,479.27	1/2	4,841.50	1/2	5,188.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,103.34	3/4	4,487.06	3/4	4,848.80	3/4	5,196.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	4,111.44	7	4,494.85	7	4,856.11	7	5,204.43	7	7	7	7	7	7	7	7	7	7	7	7
1/4	4,119.55	1/4	4,502.60	1/4	4,863.32	1/4	5,212.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,127.66	1/2	4,510.35	1/2	4,870.54	1/2	5,220.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,135.76	3/4	4,518.09	3/4	4,877.76	3/4	5,228.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	4,143.87	8	4,525.84	8	4,884.97	8	5,236.32	8	8	8	8	8	8	8	8	8	8	8	8
1/4	4,151.97	1/4	4,533.55	1/4	4,892.15	1/4	5,243.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,160.08	1/2	4,541.26	1/2	4,899.33	1/2	5,250.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,168.19	3/4	4,548.96	3/4	4,906.50	3/4	5,258.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	4,176.29	9	4,556.67	9	4,913.68	9	5,265.27	9	9	9	9	9	9	9	9	9	9	9	9
1/4	4,184.40	1/4	4,564.34	1/4	4,920.81	1/4	5,271.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,192.50	1/2	4,572.01	1/2	4,927.95	1/2	5,276.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,200.61	3/4	4,579.67	3/4	4,935.09	3/4	5,282.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	4,208.72	10	4,587.34	10	4,942.22	10	5,288.35	10	10	10	10	10	10	10	10	10	10	10	10
1/4	4,216.81	1/4	4,594.97	1/4	4,949.32	1/4	5,294.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,224.91	1/2	4,602.60	1/2	4,956.41	1/2	5,300.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,233.01	3/4	4,610.22	3/4	4,963.51	3/4	5,305.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	4,241.10	11	4,617.85	11	4,970.61	11	5,311.91	11	11	11	11	11	11	11	11	11	11	11	11
1/4	4,249.18	1/4	4,625.44	1/4	4,977.66	1/4	5,317.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,257.25	1/2	4,633.02	1/2	4,984.72	1/2	5,323.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,265.32	3/4	4,640.61	3/4	4,991.77	3/4	5,329.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77568
http://www.pmacorp.net



BARGE "EMS 395"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	18.83	0	395.96	0	783.16	0	1,170.66	0	1,558.20	0	1,945.74	0	2,333.29	0	2,720.83	0	3,108.37	0	3,495.90
1/4	24.60	1/4	404.03	1/4	791.22	1/4	1,178.73	1/4	1,566.28	1/4	1,953.82	1/4	2,341.36	1/4	2,728.90	1/4	3,116.45	1/4	3,503.98
1/2	30.36	1/2	412.10	1/2	799.29	1/2	1,186.81	1/2	1,574.35	1/2	1,961.89	1/2	2,349.43	1/2	2,736.98	1/2	3,124.52	1/2	3,512.05
3/4	36.13	3/4	420.18	3/4	807.35	3/4	1,194.88	3/4	1,582.42	3/4	1,969.97	3/4	2,357.51	3/4	2,745.05	3/4	3,132.59	3/4	3,520.12
1	41.89	1	428.25	1	815.41	1	1,202.95	1	1,590.50	1	1,978.04	1	2,365.58	1	2,753.12	1	3,140.67	1	3,528.19
1/4	49.68	1/4	436.32	1/4	823.49	1/4	1,211.03	1/4	1,598.57	1/4	1,986.11	1/4	2,373.66	1/4	2,761.20	1/4	3,148.74	1/4	3,536.27
1/2	57.46	1/2	444.40	1/2	831.56	1/2	1,219.10	1/2	1,606.64	1/2	1,994.19	1/2	2,381.73	1/2	2,769.27	1/2	3,156.81	1/2	3,544.34
3/4	65.25	3/4	452.47	3/4	839.63	3/4	1,227.18	3/4	1,614.72	3/4	2,002.26	3/4	2,389.80	3/4	2,777.35	3/4	3,164.89	3/4	3,552.41
2	73.03	2	460.54	2	847.71	2	1,235.25	2	1,622.79	2	2,010.33	2	2,397.88	2	2,785.42	2	3,172.96	2	3,560.49
1/4	81.11	1/4	468.61	1/4	855.78	1/4	1,243.32	1/4	1,630.87	1/4	2,018.41	1/4	2,405.95	1/4	2,793.49	1/4	3,181.04	1/4	3,568.56
1/2	89.18	1/2	476.69	1/2	863.86	1/2	1,251.40	1/2	1,638.94	1/2	2,026.48	1/2	2,414.02	1/2	2,801.57	1/2	3,189.11	1/2	3,576.63
3/4	97.25	3/4	484.76	3/4	871.93	3/4	1,259.47	3/4	1,647.01	3/4	2,034.56	3/4	2,422.10	3/4	2,809.64	3/4	3,197.18	3/4	3,584.70
3	105.32	3	492.83	3	880.00	3	1,267.55	3	1,655.09	3	2,042.63	3	2,430.17	3	2,817.71	3	3,205.26	3	3,592.78
1/4	113.40	1/4	500.91	1/4	888.08	1/4	1,275.62	1/4	1,663.16	1/4	2,050.70	1/4	2,438.25	1/4	2,825.79	1/4	3,213.33	1/4	3,600.85
1/2	121.47	1/2	508.98	1/2	896.15	1/2	1,283.69	1/2	1,671.24	1/2	2,058.78	1/2	2,446.32	1/2	2,833.86	1/2	3,221.40	1/2	3,608.92
3/4	129.54	3/4	517.05	3/4	904.22	3/4	1,291.77	3/4	1,679.31	3/4	2,066.85	3/4	2,454.39	3/4	2,841.94	3/4	3,229.48	3/4	3,616.99
4	137.62	4	525.13	4	912.30	4	1,299.84	4	1,687.38	4	2,074.93	4	2,462.47	4	2,850.01	4	3,237.55	4	3,625.07
1/4	145.69	1/4	533.20	1/4	920.37	1/4	1,307.91	1/4	1,695.46	1/4	2,083.00	1/4	2,470.54	1/4	2,858.08	1/4	3,245.63	1/4	3,633.14
1/2	153.76	1/2	541.27	1/2	928.45	1/2	1,315.99	1/2	1,703.53	1/2	2,091.07	1/2	2,478.62	1/2	2,866.16	1/2	3,253.70	1/2	3,641.21
3/4	161.84	3/4	549.35	3/4	936.52	3/4	1,324.06	3/4	1,711.60	3/4	2,099.15	3/4	2,486.69	3/4	2,874.23	3/4	3,261.77	3/4	3,649.28
5	169.91	5	557.42	5	944.59	5	1,332.14	5	1,719.68	5	2,107.22	5	2,494.76	5	2,882.31	5	3,269.85	5	3,657.36
1/4	177.98	1/4	565.48	1/4	952.67	1/4	1,340.21	1/4	1,727.75	1/4	2,115.29	1/4	2,502.84	1/4	2,890.38	1/4	3,277.92	1/4	3,665.43
1/2	186.06	1/2	573.55	1/2	960.74	1/2	1,348.28	1/2	1,735.83	1/2	2,123.37	1/2	2,510.91	1/2	2,898.45	1/2	3,286.00	1/2	3,673.50
3/4	194.13	3/4	581.61	3/4	968.81	3/4	1,356.36	3/4	1,743.91	3/4	2,131.44	3/4	2,518.98	3/4	2,906.53	3/4	3,294.07	3/4	3,681.57
6	202.20	6	589.67	6	976.89	6	1,364.43	6	1,751.97	6	2,139.52	6	2,527.06	6	2,914.60	6	3,302.14	6	3,689.65
1/4	210.28	1/4	597.74	1/4	984.96	1/4	1,372.50	1/4	1,760.05	1/4	2,147.59	1/4	2,535.13	1/4	2,922.67	1/4	3,310.22	1/4	3,697.72
1/2	218.35	1/2	605.80	1/2	993.04	1/2	1,380.58	1/2	1,768.12	1/2	2,155.66	1/2	2,543.21	1/2	2,930.75	1/2	3,318.29	1/2	3,705.79
3/4	226.42	3/4	613.86	3/4	1,001.11	3/4	1,388.65	3/4	1,776.19	3/4	2,163.74	3/4	2,551.28	3/4	2,938.82	3/4	3,326.36	3/4	3,713.86
7	234.49	7	621.93	7	1,009.18	7	1,396.73	7	1,784.27	7	2,171.81	7	2,559.35	7	2,946.90	7	3,334.44	7	3,721.94
1/4	242.57	1/4	629.99	1/4	1,017.26	1/4	1,404.80	1/4	1,792.34	1/4	2,179.88	1/4	2,567.43	1/4	2,954.97	1/4	3,342.51	1/4	3,730.01
1/2	250.64	1/2	638.05	1/2	1,025.33	1/2	1,412.87	1/2	1,807.96	1/2	2,187.96	1/2	2,575.50	1/2	2,963.04	1/2	3,350.59	1/2	3,738.08
3/4	258.71	3/4	646.12	3/4	1,033.41	3/4	1,420.95	3/4	1,808.49	3/4	2,196.03	3/4	2,583.57	3/4	2,971.12	3/4	3,358.66	3/4	3,746.16
8	266.79	8	654.18	8	1,041.48	8	1,429.02	8	1,816.56	8	2,204.11	8	2,591.65	8	2,979.19	8	3,366.73	8	3,754.23
1/4	274.86	1/4	662.24	1/4	1,049.55	1/4	1,437.10	1/4	1,824.64	1/4	2,212.18	1/4	2,599.72	1/4	2,987.26	1/4	3,374.81	1/4	3,762.30
1/2	282.93	1/2	670.30	1/2	1,057.63	1/2	1,445.17	1/2	1,832.71	1/2	2,220.25	1/2	2,607.80	1/2	2,995.34	1/2	3,382.88	1/2	3,770.37
3/4	291.01	3/4	678.36	3/4	1,065.70	3/4	1,453.24	3/4	1,840.79	3/4	2,228.33	3/4	2,615.87	3/4	3,003.41	3/4	3,390.95	3/4	3,778.45
9	299.08	9	686.42	9	1,073.77	9	1,461.32	9	1,848.86	9	2,236.40	9	2,623.94	9	3,011.49	9	3,399.03	9	3,786.52
1/4	307.15	1/4	694.48	1/4	1,081.85	1/4	1,469.39	1/4	1,856.93	1/4	2,244.48	1/4	2,632.02	1/4	3,019.56	1/4	3,407.10	1/4	3,794.59
1/2	315.23	1/2	702.54	1/2	1,089.92	1/2	1,477.46	1/2	1,865.01	1/2	2,252.55	1/2	2,640.09	1/2	3,027.63	1/2	3,415.18	1/2	3,802.66
3/4	323.30	3/4	710.59	3/4	1,098.00	3/4	1,485.54	3/4	1,873.08	3/4	2,260.62	3/4	2,648.17	3/4	3,035.71	3/4	3,423.25	3/4	3,810.74
10	331.37	10	718.65	10	1,106.07	10	1,493.61	10	1,881.15	10	2,268.70	10	2,656.24	10	3,043.78	10	3,431.32	10	3,818.81
1/4	339.44	1/4	726.72	1/4	1,114.14	1/4	1,501.69	1/4	1,889.23	1/4	2,276.77	1/4	2,664.31	1/4	3,051.86	1/4	3,439.40	1/4	3,826.88
1/2	347.52	1/2	734.78	1/2	1,122.22	1/2	1,509.76	1/2	1,897.30	1/2	2,284.84	1/2	2,672.39	1/2	3,059.93	1/2	3,447.47	1/2	3,834.95
3/4	355.59	3/4	742.84	3/4	1,130.29	3/4	1,517.83	3/4	1,905.38	3/4	2,292.92	3/4	2,680.46	3/4	3,068.00	3/4	3,455.54	3/4	3,843.03
11	363.66	11	750.91	11	1,138.36	11	1,525.91	11	1,913.45	11	2,309.99	11	2,698.53	11	3,076.08	11	3,463.61	11	3,851.10
1/4	371.74	1/4	758.97	1/4	1,146.44	1/4	1,533.98	1/4	1,921.52	1/4	2,320.07	1/4	2,698.61	1/4	3,084.15	1/4	3,471.69	1/4	3,859.17
1/2	379.81	1/2	767.03	1/2	1,154.51	1/2	1,542.05	1/2	1,929.60	1/2	2,317.14	1/2	2,704.68	1/2	3,092.22	1/2	3,479.76	1/2	3,867.24
3/4	387.88	3/4	775.10	3/4	1,162.59	3/4	1,550.13	3/4	1,937.67	3/4	2,325.21	3/4	2,712.76	3/4	3,100.30	3/4	3,487.83	3/4	3,875.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2082
Pasadena, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 395"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,883.39	0	4,270.70	0	4,643.97	0	4,993.16	0	5,327.40	0	5,646.69	0	5,951.03	0	6,241.42	0	6,517.86	0	6,780.35
1/4	3,891.46	1/4	4,278.71	1/4	4,651.99	1/4	5,000.15	1/4	5,334.39	1/4	5,653.68	1/4	5,957.02	1/4	6,243.41	1/4	6,519.85	1/4	6,782.34
1/2	3,899.53	1/2	4,286.70	1/2	4,659.00	1/2	5,007.13	1/2	5,341.37	1/2	5,660.66	1/2	5,954.00	1/2	6,239.39	1/2	6,515.83	1/2	6,778.32
3/4	3,907.61	3/4	4,294.70	3/4	4,666.52	3/4	5,014.12	3/4	5,348.36	3/4	5,667.65	3/4	5,961.00	3/4	6,247.39	3/4	6,524.23	3/4	6,786.72
1	3,915.68	1	4,302.69	1	4,674.03	1	5,021.11	1	5,355.35	1	5,674.64	1	5,968.00	1	6,255.39	1	6,532.23	1	6,794.76
1/4	3,923.75	1/4	4,310.65	1/4	4,681.51	1/4	5,028.05	1/4	5,362.29	1/4	5,681.58	1/4	5,975.00	1/4	6,266.39	1/4	6,539.23	1/4	6,802.66
1/2	3,931.82	1/2	4,318.61	1/2	4,689.98	1/2	5,035.00	1/2	5,370.24	1/2	5,689.53	1/2	5,992.00	1/2	6,277.39	1/2	6,546.23	1/2	6,810.66
3/4	3,939.90	3/4	4,326.56	3/4	4,698.46	3/4	5,041.94	3/4	5,378.28	3/4	5,697.81	3/4	6,000.00	3/4	6,288.39	3/4	6,553.23	3/4	6,818.66
2	3,947.97	2	4,334.52	2	4,703.93	2	5,048.89	2	5,385.32	2	5,704.24	2	6,007.00	2	6,299.39	2	6,560.23	2	6,827.66
1/4	3,956.04	1/4	4,342.44	1/4	4,711.37	1/4	5,055.80	1/4	5,391.76	1/4	5,710.67	1/4	6,015.00	1/4	6,310.39	1/4	6,567.23	1/4	6,836.66
1/2	3,964.12	1/2	4,350.36	1/2	4,718.80	1/2	5,062.70	1/2	5,398.64	1/2	5,717.55	1/2	6,022.00	1/2	6,321.39	1/2	6,574.23	1/2	6,844.66
3/4	3,972.19	3/4	4,358.27	3/4	4,726.24	3/4	5,069.61	3/4	5,405.58	3/4	5,726.40	3/4	6,030.00	3/4	6,332.39	3/4	6,581.23	3/4	6,853.66
3	3,980.26	3	4,366.19	3	4,733.67	3	5,076.51	3	5,412.55	3	5,733.34	3	6,037.00	3	6,344.39	3	6,588.23	3	6,862.66
1/4	3,988.33	1/4	4,374.07	1/4	4,741.07	1/4	5,083.38	1/4	5,419.49	1/4	5,740.28	1/4	6,048.00	1/4	6,356.39	1/4	6,595.23	1/4	6,871.66
1/2	3,996.41	1/2	4,381.94	1/2	4,748.46	1/2	5,090.25	1/2	5,426.40	1/2	5,747.19	1/2	6,057.00	1/2	6,364.39	1/2	6,602.23	1/2	6,880.66
3/4	4,004.48	3/4	4,389.82	3/4	4,755.86	3/4	5,097.11	3/4	5,433.32	3/4	5,754.01	3/4	6,066.00	3/4	6,372.39	3/4	6,609.23	3/4	6,889.66
4	4,012.55	4	4,397.70	4	4,763.25	4	5,103.98	4	5,440.24	4	5,760.93	4	6,075.00	4	6,384.39	4	6,616.23	4	6,900.66
1/4	4,020.62	1/4	4,405.53	1/4	4,770.61	1/4	5,111.41	1/4	5,447.16	1/4	5,767.85	1/4	6,083.00	1/4	6,392.39	1/4	6,623.23	1/4	6,908.66
1/2	4,028.70	1/2	4,413.37	1/2	4,777.96	1/2	5,118.85	1/2	5,454.08	1/2	5,774.77	1/2	6,090.00	1/2	6,400.39	1/2	6,630.23	1/2	6,916.66
3/4	4,036.77	3/4	4,421.21	3/4	4,785.32	3/4	5,126.28	3/4	5,460.96	3/4	5,781.66	3/4	6,100.00	3/4	6,408.39	3/4	6,637.23	3/4	6,924.66
5	4,044.84	5	4,429.04	5	4,792.67	5	5,133.72	5	5,467.84	5	5,788.53	5	6,110.00	5	6,416.39	5	6,644.23	5	6,932.66
1/4	4,052.91	1/4	4,436.84	1/4	4,799.99	1/4	5,141.74	1/4	5,474.72	1/4	5,795.41	1/4	6,120.00	1/4	6,424.39	1/4	6,651.23	1/4	6,940.66
1/2	4,060.99	1/2	4,444.64	1/2	4,807.30	1/2	5,149.77	1/2	5,481.60	1/2	5,801.29	1/2	6,130.00	1/2	6,432.39	1/2	6,658.23	1/2	6,948.66
3/4	4,069.06	3/4	4,452.43	3/4	4,814.62	3/4	5,157.79	3/4	5,488.48	3/4	5,808.98	3/4	6,140.00	3/4	6,440.39	3/4	6,665.23	3/4	6,956.66
6	4,077.13	6	4,460.23	6	4,821.93	6	5,165.82	6	5,495.36	6	5,815.05	6	6,150.00	6	6,448.39	6	6,672.23	6	6,964.66
1/4	4,085.20	1/4	4,467.99	1/4	4,829.21	1/4	5,173.85	1/4	5,501.24	1/4	5,824.93	1/4	6,160.00	1/4	6,456.39	1/4	6,679.23	1/4	6,972.66
1/2	4,093.28	1/2	4,475.74	1/2	4,836.48	1/2	5,181.87	1/2	5,508.16	1/2	5,831.02	1/2	6,170.00	1/2	6,464.39	1/2	6,686.23	1/2	6,980.66
3/4	4,101.35	3/4	4,483.50	3/4	4,843.75	3/4	5,189.90	3/4	5,514.96	3/4	5,837.11	3/4	6,180.00	3/4	6,472.39	3/4	6,693.23	3/4	6,988.66
7	4,109.42	7	4,491.26	7	4,851.03	7	5,197.92	7	5,520.88	7	5,845.07	7	6,190.00	7	6,480.39	7	6,700.23	7	6,996.66
1/4	4,117.49	1/4	4,498.97	1/4	4,858.22	1/4	5,205.86	1/4	5,527.84	1/4	5,851.03	1/4	6,200.00	1/4	6,488.39	1/4	6,707.23	1/4	7,004.66
1/2	4,125.57	1/2	4,506.69	1/2	4,865.40	1/2	5,213.80	1/2	5,534.80	1/2	5,858.98	1/2	6,210.00	1/2	6,496.39	1/2	6,715.23	1/2	7,012.66
3/4	4,133.64	3/4	4,514.40	3/4	4,872.59	3/4	5,221.74	3/4	5,541.72	3/4	5,866.17	3/4	6,220.00	3/4	6,504.39	3/4	6,722.23	3/4	7,020.66
8	4,141.71	8	4,522.12	8	4,879.78	8	5,229.68	8	5,548.64	8	5,873.15	8	6,230.00	8	6,512.39	8	6,730.23	8	7,028.66
1/4	4,149.79	1/4	4,529.80	1/4	4,886.92	1/4	5,236.89	1/4	5,555.60	1/4	5,880.07	1/4	6,240.00	1/4	6,520.39	1/4	6,737.23	1/4	7,036.66
1/2	4,157.86	1/2	4,537.47	1/2	4,894.07	1/2	5,244.10	1/2	5,562.48	1/2	5,887.15	1/2	6,250.00	1/2	6,528.39	1/2	6,745.23	1/2	7,044.66
3/4	4,165.93	3/4	4,545.15	3/4	4,901.22	3/4	5,251.31	3/4	5,569.28	3/4	5,894.32	3/4	6,260.00	3/4	6,536.39	3/4	6,753.23	3/4	7,052.66
9	4,174.00	9	4,552.82	9	4,908.36	9	5,258.51	9	5,576.16	9	5,901.39	9	6,270.00	9	6,544.39	9	6,761.23	9	7,060.66
1/4	4,182.08	1/4	4,560.46	1/4	4,915.47	1/4	5,264.25	1/4	5,584.00	1/4	5,908.17	1/4	6,280.00	1/4	6,552.39	1/4	6,769.23	1/4	7,068.66
1/2	4,190.15	1/2	4,568.10	1/2	4,922.58	1/2	5,269.99	1/2	5,591.84	1/2	5,916.30	1/2	6,290.00	1/2	6,560.39	1/2	6,777.23	1/2	7,076.66
3/4	4,198.22	3/4	4,575.73	3/4	4,929.68	3/4	5,275.73	3/4	5,600.00	3/4	5,924.17	3/4	6,300.00	3/4	6,568.39	3/4	6,785.23	3/4	7,084.66
10	4,206.29	10	4,583.37	10	4,936.79	10	5,282.00	10	5,607.84	10	5,932.00	10	6,310.00	10	6,576.39	10	6,793.23	10	7,092.66
1/4	4,214.36	1/4	4,590.96	1/4	4,943.86	1/4	5,289.23	1/4	5,614.72	1/4	5,939.00	1/4	6,320.00	1/4	6,584.39	1/4	6,801.23	1/4	7,100.66
1/2	4,222.42	1/2	4,598.56	1/2	4,950.92	1/2	5,295.46	1/2	5,621.56	1/2	5,948.17	1/2	6,330.00	1/2	6,592.39	1/2	6,809.23	1/2	7,108.66
3/4	4,230.49	3/4	4,606.15	3/4	4,957.99	3/4	5,301.69	3/4	5,628.40	3/4	5,956.30	3/4	6,340.00	3/4	6,600.39	3/4	6,817.23	3/4	7,116.66
11	4,238.55	11	4,613.75	11	4,965.06	11	5,308.88	11	5,635.20	11	5,964.50	11	6,350.00	11	6,608.39	11	6,825.23	11	7,124.66
1/4	4,246.59	1/4	4,621.31	1/4	4,972.08	1/4	5,315.01	1/4	5,641.92	1/4	5,971.67	1/4	6,360.00	1/4	6,616.39	1/4	6,833.23	1/4	7,132.66
1/2	4,254.63	1/2	4,628.86	1/2	4,979.11	1/2	5,321.14	1/2	5,648.04	1/2	5,979.82	1/2	6,370.00	1/2	6,624.39	1/2	6,841.23	1/2	7,140.66
3/4	4,262.67	3/4	4,636.42	3/4	4,986.14	3/4	5,327.28	3/4	5,654.16	3/4	5,986.00	3/4	6,380.00	3/4	6,632.39	3/4	6,849.23	3/4	7,148.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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



BARGE "EMS 395"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	17.62	0	369.85	0	722.46	0	1,079.42	0	1,441.16	0	1,802.70	0	2,163.71	0	2,525.60	0	2,887.49	0	3,249.04
1/4	23.00	1/4	377.39	1/4	729.71	1/4	1,086.96	1/4	1,448.69	1/4	1,810.21	1/4	2,171.25	1/4	2,533.14	1/4	2,895.03	1/4	3,256.57
1/2	28.39	1/2	384.93	1/2	736.96	1/2	1,094.50	1/2	1,456.23	1/2	1,817.73	1/2	2,178.79	1/2	2,540.68	1/2	2,902.56	1/2	3,264.11
3/4	33.77	3/4	392.47	3/4	744.21	3/4	1,102.03	3/4	1,463.76	3/4	1,825.25	3/4	2,186.33	3/4	2,548.22	3/4	2,910.09	3/4	3,271.65
1	39.16	1	400.01	1	751.46	1	1,109.57	1	1,471.30	1	1,832.76	1	2,193.87	1	2,555.76	1	2,917.62	1	3,279.19
1/4	46.43	1/4	407.55	1/4	758.72	1/4	1,117.10	1/4	1,478.84	1/4	1,840.28	1/4	2,201.41	1/4	2,563.30	1/4	2,925.16	1/4	3,286.73
1/2	53.70	1/2	415.09	1/2	765.98	1/2	1,124.64	1/2	1,486.37	1/2	1,848.79	1/2	2,208.95	1/2	2,570.84	1/2	2,932.69	1/2	3,294.27
3/4	60.97	3/4	422.63	3/4	773.24	3/4	1,132.18	3/4	1,493.91	3/4	1,855.31	3/4	2,216.49	3/4	2,578.38	3/4	2,940.22	3/4	3,301.81
1	68.24	1	430.17	1	780.49	1	1,139.71	1	1,501.45	1	1,862.83	1	2,224.03	1	2,585.92	1	2,947.75	1	3,309.35
1/4	75.78	1/4	437.71	1/4	787.74	1/4	1,147.25	1/4	1,508.98	1/4	1,870.34	1/4	2,231.57	1/4	2,593.46	1/4	2,955.29	1/4	3,316.88
1/2	83.32	1/2	445.25	1/2	794.99	1/2	1,154.78	1/2	1,516.52	1/2	1,877.86	1/2	2,239.11	1/2	2,601.00	1/2	2,962.82	1/2	3,324.42
3/4	90.86	3/4	452.79	3/4	802.24	3/4	1,162.32	3/4	1,524.05	3/4	1,885.38	3/4	2,246.65	3/4	2,608.54	3/4	2,970.35	3/4	3,331.96
1	98.40	1	460.34	1	809.49	1	1,169.86	1	1,531.59	1	1,892.89	1	2,254.19	1	2,616.08	1	2,977.88	1	3,339.50
1/4	105.94	1/4	467.88	1/4	816.74	1/4	1,177.39	1/4	1,539.13	1/4	1,900.41	1/4	2,261.72	1/4	2,623.62	1/4	2,985.41	1/4	3,347.04
1/2	113.48	1/2	475.42	1/2	823.99	1/2	1,184.93	1/2	1,546.66	1/2	1,907.93	1/2	2,269.26	1/2	2,631.16	1/2	2,992.95	1/2	3,354.58
3/4	121.02	3/4	482.96	3/4	831.24	3/4	1,192.47	3/4	1,554.20	3/4	1,915.44	3/4	2,276.80	3/4	2,638.69	3/4	3,000.48	3/4	3,362.12
1	128.56	1	490.50	1	838.48	1	1,200.00	1	1,561.73	1	1,922.96	1	2,284.34	1	2,646.23	1	3,008.01	1	3,369.65
1/4	136.10	1/4	497.76	1/4	846.01	1/4	1,207.54	1/4	1,569.27	1/4	1,930.47	1/4	2,291.88	1/4	2,653.77	1/4	3,015.54	1/4	3,377.19
1/2	143.64	1/2	505.01	1/2	853.54	1/2	1,215.07	1/2	1,576.81	1/2	1,937.99	1/2	2,299.42	1/2	2,661.31	1/2	3,023.08	1/2	3,384.73
3/4	151.18	3/4	512.27	3/4	861.07	3/4	1,222.61	3/4	1,584.34	3/4	1,945.51	3/4	2,306.96	3/4	2,668.85	3/4	3,030.61	3/4	3,392.27
1	158.72	1	519.53	1	868.59	1	1,230.15	1	1,591.88	1	1,953.02	1	2,314.50	1	2,676.39	1	3,038.14	1	3,399.81
1/4	166.26	1/4	526.78	1/4	876.12	1/4	1,237.68	1/4	1,599.41	1/4	1,960.54	1/4	2,322.04	1/4	2,683.93	1/4	3,045.67	1/4	3,405.95
1/2	173.80	1/2	534.03	1/2	883.65	1/2	1,245.22	1/2	1,606.95	1/2	1,968.06	1/2	2,329.58	1/2	2,691.47	1/2	3,053.21	1/2	3,412.10
3/4	181.34	3/4	541.28	3/4	891.17	3/4	1,252.75	3/4	1,614.49	3/4	1,975.57	3/4	2,337.12	3/4	2,699.01	3/4	3,060.74	3/4	3,418.25
1	188.88	1	548.53	1	898.70	1	1,260.29	1	1,622.02	1	1,983.09	1	2,344.66	1	2,706.55	1	3,068.27	1	3,424.39
1/4	196.42	1/4	555.78	1/4	906.23	1/4	1,267.83	1/4	1,629.56	1/4	1,990.61	1/4	2,352.20	1/4	2,714.09	1/4	3,075.80	1/4	3,430.54
1/2	203.96	1/2	563.02	1/2	913.76	1/2	1,275.36	1/2	1,637.09	1/2	1,998.12	1/2	2,359.74	1/2	2,721.63	1/2	3,083.33	1/2	3,436.68
3/4	211.51	3/4	570.27	3/4	921.28	3/4	1,282.90	3/4	1,644.63	3/4	2,005.64	3/4	2,367.28	3/4	2,729.17	3/4	3,090.87	3/4	3,442.83
1	219.05	1	577.52	1	928.81	1	1,290.43	1	1,652.17	1	2,013.16	1	2,374.82	1	2,736.71	1	3,098.40	1	3,448.97
1/4	226.59	1/4	584.77	1/4	936.34	1/4	1,297.97	1/4	1,659.70	1/4	2,020.67	1/4	2,382.35	1/4	2,744.25	1/4	3,105.93	1/4	3,455.12
1/2	234.13	1/2	592.02	1/2	943.86	1/2	1,305.51	1/2	1,667.24	1/2	2,028.19	1/2	2,389.89	1/2	2,751.79	1/2	3,113.46	1/2	3,461.27
3/4	241.67	3/4	599.27	3/4	951.39	3/4	1,313.04	3/4	1,674.78	3/4	2,035.70	3/4	2,397.43	3/4	2,759.32	3/4	3,121.00	3/4	3,467.41
1	249.21	1	606.52	1	958.92	1	1,320.58	1	1,682.31	1	2,043.22	1	2,404.97	1	2,766.86	1	3,128.53	1	3,473.56
1/4	256.75	1/4	613.76	1/4	966.44	1/4	1,328.11	1/4	1,689.85	1/4	2,050.74	1/4	2,412.51	1/4	2,774.40	1/4	3,136.06	1/4	3,479.70
1/2	264.29	1/2	621.01	1/2	973.97	1/2	1,335.65	1/2	1,697.38	1/2	2,058.25	1/2	2,420.05	1/2	2,781.94	1/2	3,143.59	1/2	3,485.85
3/4	271.83	3/4	628.25	3/4	981.50	3/4	1,343.19	3/4	1,704.92	3/4	2,065.77	3/4	2,427.59	3/4	2,789.48	3/4	3,151.13	3/4	3,492.00
1	279.37	1	635.49	1	989.03	1	1,350.72	1	1,712.46	1	2,073.29	1	2,435.13	1	2,797.02	1	3,158.66	1	3,498.14
1/4	286.91	1/4	642.74	1/4	996.55	1/4	1,358.26	1/4	1,719.98	1/4	2,080.81	1/4	2,442.67	1/4	2,804.56	1/4	3,166.19	1/4	3,504.29
1/2	294.45	1/2	649.98	1/2	1,004.08	1/2	1,365.80	1/2	1,727.51	1/2	2,088.34	1/2	2,450.21	1/2	2,812.10	1/2	3,173.72	1/2	3,510.43
3/4	301.99	3/4	657.23	3/4	1,011.61	3/4	1,373.33	3/4	1,735.04	3/4	2,095.87	3/4	2,457.75	3/4	2,819.64	3/4	3,181.25	3/4	3,516.58
1	309.53	1	664.47	1	1,019.13	1	1,380.87	1	1,742.56	1	2,103.40	1	2,465.29	1	2,827.18	1	3,188.79	1	3,522.72
1/4	317.07	1/4	671.72	1/4	1,026.67	1/4	1,388.40	1/4	1,750.08	1/4	2,110.94	1/4	2,472.83	1/4	2,834.72	1/4	3,196.32	1/4	3,528.87
1/2	324.61	1/2	678.97	1/2	1,034.21	1/2	1,395.94	1/2	1,757.60	1/2	2,118.48	1/2	2,480.37	1/2	2,842.26	1/2	3,203.85	1/2	3,535.02
3/4	332.15	3/4	686.22	3/4	1,041.74	3/4	1,403.48	3/4	1,765.11	3/4	2,126.02	3/4	2,487.91	3/4	2,849.80	3/4	3,211.38	3/4	3,541.16
1	339.69	1	693.47	1	1,049.28	1	1,411.01	1	1,772.63	1	2,133.55	1	2,495.45	1	2,857.34	1	3,218.91	1	3,547.31
1/4	347.23	1/4	700.72	1/4	1,056.82	1/4	1,418.55	1/4	1,780.15	1/4	2,141.09	1/4	2,502.99	1/4	2,864.88	1/4	3,226.44	1/4	3,553.45
1/2	354.77	1/2	707.96	1/2	1,064.35	1/2	1,426.08	1/2	1,787.66	1/2	2,148.63	1/2	2,510.52	1/2	2,872.42	1/2	3,233.97	1/2	3,559.60
3/4	362.31	3/4	715.21	3/4	1,071.89	3/4	1,433.62	3/4	1,795.18	3/4	2,156.17	3/4	2,518.06	3/4	2,879.96	3/4	3,241.51	3/4	3,565.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Preston, Texas 77568
http://www.pmacorp.net



BARGE "EMS 395"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,571.89	0	3,866.73	0	4,148.46	0	4,407.86	0	4,647.86	0	4,878.46	0	5,098.46	0	5,308.46	0	5,508.46	0	5,698.46
1/4	3,578.04	1/4	3,872.81	1/4	4,154.09	1/4	4,413.00	1/4	4,653.00	1/4	4,883.00	1/4	5,103.00	1/4	5,313.00	1/4	5,513.00	1/4	5,703.00
1/2	3,584.18	1/2	3,878.89	1/2	4,159.71	1/2	4,418.14	1/2	4,658.14	1/2	4,888.14	1/2	5,108.14	1/2	5,318.14	1/2	5,518.14	1/2	5,708.14
3/4	3,590.33	3/4	3,884.96	3/4	4,165.34	3/4	4,423.28	3/4	4,663.28	3/4	4,893.28	3/4	5,113.28	3/4	5,323.28	3/4	5,523.28	3/4	5,713.28
1	3,596.47	1	3,891.04	1	4,170.96	1	4,428.42	1	4,671.42	1	4,901.42	1	5,118.42	1	5,328.42	1	5,528.42	1	5,718.42
1/4	3,602.62	1/4	3,897.08	1/4	4,176.55	1/4	4,433.52	1/4	4,677.52	1/4	4,906.52	1/4	5,123.52	1/4	5,333.52	1/4	5,533.52	1/4	5,723.52
1/2	3,608.77	1/2	3,903.11	1/2	4,182.14	1/2	4,438.62	1/2	4,683.62	1/2	4,912.62	1/2	5,130.62	1/2	5,340.62	1/2	5,540.62	1/2	5,730.62
3/4	3,614.91	3/4	3,909.15	3/4	4,187.73	3/4	4,443.72	3/4	4,688.72	3/4	4,917.72	3/4	5,137.72	3/4	5,347.72	3/4	5,547.72	3/4	5,737.72
2	3,621.06	2	3,915.19	2	4,193.32	2	4,448.83	2	4,693.83	2	4,922.83	2	5,143.83	2	5,353.83	2	5,553.83	2	5,743.83
1/4	3,627.20	1/4	3,921.19	1/4	4,198.87	1/4	4,453.89	1/4	4,698.89	1/4	4,931.89	1/4	5,149.89	1/4	5,363.89	1/4	5,563.89	1/4	5,753.89
1/2	3,633.35	1/2	3,927.19	1/2	4,204.42	1/2	4,458.95	1/2	4,703.95	1/2	4,936.95	1/2	5,155.95	1/2	5,373.95	1/2	5,573.95	1/2	5,763.95
3/4	3,639.49	3/4	3,933.19	3/4	4,209.97	3/4	4,464.02	3/4	4,709.02	3/4	4,941.02	3/4	5,161.02	3/4	5,383.02	3/4	5,583.02	3/4	5,773.02
3	3,645.64	3	3,939.19	3	4,215.52	3	4,469.08	3	4,714.08	3	4,946.08	3	5,166.08	3	5,389.08	3	5,589.08	3	5,779.08
1/4	3,651.79	1/4	3,945.15	1/4	4,221.03	1/4	4,474.11	1/4	4,719.11	1/4	4,951.11	1/4	5,171.11	1/4	5,394.11	1/4	5,594.11	1/4	5,784.11
1/2	3,657.93	1/2	3,951.12	1/2	4,226.55	1/2	4,479.14	1/2	4,724.14	1/2	4,956.14	1/2	5,176.14	1/2	5,396.14	1/2	5,596.14	1/2	5,786.14
3/4	3,664.08	3/4	3,957.08	3/4	4,232.06	3/4	4,484.16	3/4	4,729.16	3/4	4,961.16	3/4	5,178.16	3/4	5,401.16	3/4	5,601.16	3/4	5,791.16
4	3,670.22	4	3,963.04	4	4,237.57	4	4,489.19	4	4,734.19	4	4,966.19	4	5,180.19	4	5,404.19	4	5,604.19	4	5,794.19
1/4	3,676.37	1/4	3,968.97	1/4	4,243.05	1/4	4,494.75	1/4	4,739.75	1/4	4,971.75	1/4	5,182.75	1/4	5,406.75	1/4	5,606.75	1/4	5,796.75
1/2	3,682.52	1/2	3,974.89	1/2	4,248.52	1/2	4,500.31	1/2	4,744.81	1/2	4,976.81	1/2	5,184.81	1/2	5,409.81	1/2	5,609.81	1/2	5,799.81
3/4	3,688.66	3/4	3,980.82	3/4	4,254.00	3/4	4,505.87	3/4	4,749.90	3/4	4,981.90	3/4	5,186.90	3/4	5,411.90	3/4	5,611.90	3/4	5,801.90
5	3,694.81	5	3,986.75	5	4,259.47	5	4,511.42	5	4,754.47	5	4,986.47	5	5,188.47	5	5,414.47	5	5,614.47	5	5,804.47
1/4	3,700.95	1/4	3,992.63	1/4	4,264.91	1/4	4,517.53	1/4	4,759.53	1/4	4,991.53	1/4	5,190.53	1/4	5,416.53	1/4	5,616.53	1/4	5,806.53
1/2	3,707.10	1/2	3,998.52	1/2	4,270.35	1/2	4,523.64	1/2	4,764.64	1/2	4,996.64	1/2	5,192.64	1/2	5,418.64	1/2	5,618.64	1/2	5,808.64
3/4	3,713.24	3/4	4,004.41	3/4	4,275.79	3/4	4,529.75	3/4	4,769.79	3/4	4,998.79	3/4	5,194.79	3/4	5,420.79	3/4	5,620.79	3/4	5,810.79
6	3,719.39	6	4,010.30	6	4,281.23	6	4,535.86	6	4,774.23	6	4,999.23	6	5,196.23	6	5,422.23	6	5,622.23	6	5,812.23
1/4	3,725.54	1/4	4,016.15	1/4	4,286.63	1/4	4,541.97	1/4	4,779.63	1/4	5,001.63	1/4	5,198.63	1/4	5,424.63	1/4	5,624.63	1/4	5,814.63
1/2	3,731.68	1/2	4,022.00	1/2	4,292.03	1/2	4,548.08	1/2	4,784.08	1/2	5,003.08	1/2	5,200.08	1/2	5,426.08	1/2	5,626.08	1/2	5,816.08
3/4	3,737.83	3/4	4,027.85	3/4	4,297.43	3/4	4,554.19	3/4	4,789.43	3/4	5,005.43	3/4	5,202.43	3/4	5,428.43	3/4	5,628.43	3/4	5,818.43
7	3,743.97	7	4,033.70	7	4,302.83	7	4,560.30	7	4,794.83	7	5,009.30	7	5,204.30	7	5,430.30	7	5,630.30	7	5,820.30
1/4	3,750.12	1/4	4,039.51	1/4	4,308.16	1/4	4,567.72	1/4	4,799.16	1/4	5,011.16	1/4	5,206.16	1/4	5,432.16	1/4	5,632.16	1/4	5,822.16
1/2	3,756.26	1/2	4,045.33	1/2	4,313.48	1/2	4,575.13	1/2	4,804.48	1/2	5,013.48	1/2	5,208.48	1/2	5,434.48	1/2	5,634.48	1/2	5,824.48
3/4	3,762.41	3/4	4,051.14	3/4	4,318.81	3/4	4,582.55	3/4	4,809.81	3/4	5,015.81	3/4	5,210.81	3/4	5,436.81	3/4	5,636.81	3/4	5,826.81
8	3,768.56	8	4,056.95	8	4,324.14	8	4,589.96	8	4,815.14	8	5,017.96	8	5,212.96	8	5,438.96	8	5,638.96	8	5,828.96
1/4	3,774.70	1/4	4,062.73	1/4	4,329.42	1/4	4,596.69	1/4	4,820.42	1/4	5,019.69	1/4	5,214.69	1/4	5,440.69	1/4	5,640.69	1/4	5,830.69
1/2	3,780.85	1/2	4,068.50	1/2	4,334.71	1/2	4,603.42	1/2	4,825.71	1/2	5,021.42	1/2	5,216.42	1/2	5,442.42	1/2	5,642.42	1/2	5,832.42
3/4	3,786.99	3/4	4,074.28	3/4	4,340.00	3/4	4,610.15	3/4	4,830.00	3/4	5,023.00	3/4	5,218.00	3/4	5,444.00	3/4	5,644.00	3/4	5,834.00
9	3,793.14	9	4,080.05	9	4,345.29	9	4,616.88	9	4,835.29	9	5,025.29	9	5,220.29	9	5,446.29	9	5,646.29	9	5,836.29
1/4	3,799.29	1/4	4,085.79	1/4	4,350.54	1/4	4,622.24	1/4	4,840.54	1/4	5,027.24	1/4	5,222.24	1/4	5,448.24	1/4	5,648.24	1/4	5,838.24
1/2	3,805.43	1/2	4,091.53	1/2	4,355.80	1/2	4,627.60	1/2	4,845.80	1/2	5,029.60	1/2	5,224.60	1/2	5,450.60	1/2	5,650.60	1/2	5,840.60
3/4	3,811.58	3/4	4,097.27	3/4	4,361.05	3/4	4,632.96	3/4	4,851.05	3/4	5,031.96	3/4	5,226.96	3/4	5,452.96	3/4	5,652.96	3/4	5,842.96
10	3,817.72	10	4,103.01	10	4,366.30	10	4,639.00	10	4,856.30	10	5,033.96	10	5,228.96	10	5,455.96	10	5,655.96	10	5,845.96
1/4	3,823.86	1/4	4,108.71	1/4	4,371.51	1/4	4,646.69	1/4	4,861.51	1/4	5,035.96	1/4	5,230.96	1/4	5,457.96	1/4	5,657.96	1/4	5,847.96
1/2	3,830.00	1/2	4,114.41	1/2	4,376.73	1/2	4,653.64	1/2	4,866.73	1/2	5,037.96	1/2	5,232.96	1/2	5,459.96	1/2	5,659.96	1/2	5,849.96
3/4	3,836.14	3/4	4,120.11	3/4	4,381.94	3/4	4,660.88	3/4	4,871.94	3/4	5,039.96	3/4	5,234.96	3/4	5,461.96	3/4	5,661.96	3/4	5,851.96
11	3,842.28	11	4,125.81	11	4,387.16	11	4,668.03	11	4,877.16	11	5,041.96	11	5,236.96	11	5,463.96	11	5,663.96	11	5,853.96
1/4	3,848.40	1/4	4,131.47	1/4	4,392.33	1/4	4,674.16	1/4	4,882.33	1/4	5,043.96	1/4	5,238.96	1/4	5,465.96	1/4	5,665.96	1/4	5,855.96
1/2	3,854.51	1/2	4,137.14	1/2	4,397.51	1/2	4,680.30	1/2	4,887.51	1/2	5,045.96	1/2	5,240.96	1/2	5,467.96	1/2	5,667.96	1/2	5,857.96
3/4	3,860.62	3/4	4,142.80	3/4	4,402.69	3/4	4,687.43	3/4	4,892.69	3/4	5,047.96	3/4	5,242.96	3/4	5,469.96	3/4	5,669.96	3/4	5,859.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
 CALCULATED: 03/30/2016 CL
 PRINTED: 04/01/2016 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 395"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	17.52	0	367.37	0	719.33	0	1,075.07	0	1,434.40	0	1,792.99	0	2,149.55	0	2,508.74	0	2,868.11	0	3,227.17
1/4	22.88	1/4	374.86	1/4	726.59	1/4	1,082.56	1/4	1,441.88	1/4	1,800.40	1/4	2,157.04	1/4	2,516.22	1/4	2,875.59	1/4	3,234.65
1/2	28.23	1/2	382.35	1/2	733.84	1/2	1,090.05	1/2	1,449.37	1/2	1,807.81	1/2	2,164.53	1/2	2,523.70	1/2	2,883.07	1/2	3,242.14
3/4	33.59	3/4	389.84	3/4	741.09	3/4	1,097.55	3/4	1,456.86	3/4	1,815.22	3/4	2,179.02	3/4	2,531.18	3/4	2,890.55	3/4	3,249.63
1	38.95	1	397.33	1	748.35	1	1,105.02	1	1,464.34	1	1,822.64	1	2,195.21	1	2,538.65	1	2,898.03	1	3,257.11
1 1/4	46.17	1 1/4	404.82	1 1/4	755.61	1 1/4	1,112.50	1 1/4	1,471.83	1 1/4	1,830.05	1 1/4	2,187.00	1 1/4	2,546.14	1 1/4	2,905.51	1 1/4	3,264.60
1 1/2	53.39	1 1/2	412.31	1 1/2	762.88	1 1/2	1,119.99	1 1/2	1,479.31	1 1/2	1,837.46	1 1/2	2,194.49	1 1/2	2,553.63	1 1/2	2,913.00	1 1/2	3,272.09
3/4	60.61	3/4	419.79	3/4	770.14	3/4	1,127.48	3/4	1,486.80	3/4	1,844.87	3/4	2,201.98	3/4	2,561.12	3/4	2,920.48	3/4	3,279.57
2	67.83	2	427.28	2	777.41	2	1,134.96	2	1,494.29	2	1,852.29	2	2,209.47	2	2,568.60	2	2,927.96	2	3,287.06
1 1/4	75.32	1 1/4	434.77	1 1/4	784.67	1 1/4	1,142.45	1 1/4	1,501.77	1 1/4	1,859.70	1 1/4	2,216.95	1 1/4	2,576.09	1 1/4	2,935.44	1 1/4	3,294.55
1 1/2	82.81	1 1/2	442.26	1 1/2	791.94	1 1/2	1,149.93	1 1/2	1,509.26	1 1/2	1,867.11	1 1/2	2,224.44	1 1/2	2,583.58	1 1/2	2,942.92	1 1/2	3,302.04
3/4	90.30	3/4	449.75	3/4	799.20	3/4	1,157.42	3/4	1,516.74	3/4	1,874.52	3/4	2,231.93	3/4	2,591.07	3/4	2,950.40	3/4	3,309.52
3	97.78	3	457.24	3	806.47	3	1,164.91	3	1,524.23	3	1,881.93	3	2,239.42	3	2,598.56	3	2,957.88	3	3,317.01
1 1/4	105.27	1 1/4	464.73	1 1/4	813.73	1 1/4	1,172.39	1 1/4	1,531.71	1 1/4	1,889.35	1 1/4	2,246.91	1 1/4	2,606.04	1 1/4	2,965.36	1 1/4	3,324.50
1 1/2	112.76	1 1/2	472.21	1 1/2	821.00	1 1/2	1,179.88	1 1/2	1,539.20	1 1/2	1,896.76	1 1/2	2,254.40	1 1/2	2,613.53	1 1/2	2,972.84	1 1/2	3,331.98
3/4	120.25	3/4	479.70	3/4	828.26	3/4	1,187.36	3/4	1,546.69	3/4	1,904.17	3/4	2,261.89	3/4	2,621.02	3/4	2,980.32	3/4	3,339.47
4	127.74	4	487.19	4	835.53	4	1,194.85	4	1,554.17	4	1,911.58	4	2,269.38	4	2,628.51	4	2,987.80	4	3,346.96
1 1/4	135.23	1 1/4	494.45	1 1/4	843.01	1 1/4	1,202.34	1 1/4	1,561.66	1 1/4	1,919.00	1 1/4	2,276.87	1 1/4	2,635.99	1 1/4	2,995.28	1 1/4	3,354.44
1 1/2	142.72	1 1/2	501.72	1 1/2	850.50	1 1/2	1,209.82	1 1/2	1,569.14	1 1/2	1,926.41	1 1/2	2,284.36	1 1/2	2,643.48	1 1/2	3,002.76	1 1/2	3,361.93
3/4	150.20	3/4	508.98	3/4	857.98	3/4	1,217.31	3/4	1,576.63	3/4	1,933.82	3/4	2,291.85	3/4	2,650.97	3/4	3,010.24	3/4	3,369.42
5	157.69	5	516.24	5	865.47	5	1,224.79	5	1,584.12	5	1,941.23	5	2,299.34	5	2,658.46	5	3,017.72	5	3,376.90
1 1/4	165.18	1 1/4	523.50	1 1/4	872.96	1 1/4	1,232.28	1 1/4	1,591.60	1 1/4	1,948.65	1 1/4	2,306.81	1 1/4	2,665.94	1 1/4	3,025.20	1 1/4	3,383.02
1 1/2	172.67	1 1/2	530.76	1 1/2	880.44	1 1/2	1,239.76	1 1/2	1,599.09	1 1/2	1,956.06	1 1/2	2,314.29	1 1/2	2,673.43	1 1/2	3,032.68	1 1/2	3,389.13
3/4	180.16	3/4	538.01	3/4	887.93	3/4	1,247.25	3/4	1,606.57	3/4	1,963.47	3/4	2,321.77	3/4	2,680.92	3/4	3,040.16	3/4	3,395.24
6	187.65	6	545.26	6	895.41	6	1,254.74	6	1,614.06	6	1,970.88	6	2,329.25	6	2,688.41	6	3,047.64	6	3,401.36
1 1/4	195.14	1 1/4	552.52	1 1/4	902.90	1 1/4	1,262.22	1 1/4	1,621.55	1 1/4	1,978.30	1 1/4	2,336.73	1 1/4	2,695.90	1 1/4	3,055.12	1 1/4	3,407.47
1 1/2	202.62	1 1/2	559.77	1 1/2	910.39	1 1/2	1,269.71	1 1/2	1,629.03	1 1/2	1,985.71	1 1/2	2,344.21	1 1/2	2,703.38	1 1/2	3,062.60	1 1/2	3,413.59
3/4	210.11	3/4	567.03	3/4	917.87	3/4	1,277.19	3/4	1,636.52	3/4	1,993.12	3/4	2,351.69	3/4	2,710.87	3/4	3,070.08	3/4	3,419.70
7	217.60	7	574.28	7	925.36	7	1,284.68	7	1,644.00	7	2,000.53	7	2,359.17	7	2,718.36	7	3,077.56	7	3,425.81
1 1/4	225.09	1 1/4	581.53	1 1/4	932.84	1 1/4	1,292.17	1 1/4	1,651.49	1 1/4	2,007.95	1 1/4	2,366.64	1 1/4	2,725.85	1 1/4	3,085.04	1 1/4	3,431.93
1 1/2	232.58	1 1/2	588.79	1 1/2	940.33	1 1/2	1,299.65	1 1/2	1,658.97	1 1/2	2,015.36	1 1/2	2,374.12	1 1/2	2,733.33	1 1/2	3,092.52	1 1/2	3,438.04
3/4	240.07	3/4	596.04	3/4	947.81	3/4	1,307.14	3/4	1,666.46	3/4	2,022.77	3/4	2,381.60	3/4	2,740.82	3/4	3,100.01	3/4	3,444.15
8	247.56	8	603.30	8	955.30	8	1,314.62	8	1,673.95	8	2,030.18	8	2,389.08	8	2,748.31	8	3,107.49	8	3,450.27
1 1/4	255.04	1 1/4	610.55	1 1/4	962.79	1 1/4	1,322.11	1 1/4	1,681.43	1 1/4	2,037.60	1 1/4	2,396.56	1 1/4	2,755.80	1 1/4	3,114.97	1 1/4	3,456.38
1 1/2	262.53	1 1/2	617.80	1 1/2	970.27	1 1/2	1,329.60	1 1/2	1,688.92	1 1/2	2,045.01	1 1/2	2,404.04	1 1/2	2,763.29	1 1/2	3,122.45	1 1/2	3,462.49
3/4	270.02	3/4	625.05	3/4	977.76	3/4	1,337.08	3/4	1,696.40	3/4	2,052.42	3/4	2,411.52	3/4	2,770.77	3/4	3,129.93	3/4	3,468.61
9	277.51	9	632.30	9	985.24	9	1,344.57	9	1,703.89	9	2,059.83	9	2,418.99	9	2,778.26	9	3,137.41	9	3,474.72
1 1/4	285.00	1 1/4	639.55	1 1/4	992.73	1 1/4	1,352.05	1 1/4	1,711.34	1 1/4	2,067.28	1 1/4	2,426.47	1 1/4	2,785.75	1 1/4	3,144.89	1 1/4	3,480.83
1 1/2	292.49	1 1/2	646.80	1 1/2	1,000.22	1 1/2	1,359.54	1 1/2	1,718.79	1 1/2	2,074.74	1 1/2	2,433.95	1 1/2	2,793.24	1 1/2	3,152.37	1 1/2	3,486.95
3/4	299.98	3/4	654.05	3/4	1,007.70	3/4	1,367.02	3/4	1,726.24	3/4	2,082.19	3/4	2,441.43	3/4	2,800.72	3/4	3,159.85	3/4	3,493.06
10	307.46	10	661.30	10	1,015.19	10	1,374.51	10	1,733.69	10	2,089.64	10	2,448.91	10	2,808.21	10	3,167.33	10	3,499.17
1 1/4	314.95	1 1/4	668.55	1 1/4	1,022.67	1 1/4	1,382.00	1 1/4	1,741.10	1 1/4	2,097.13	1 1/4	2,456.39	1 1/4	2,815.70	1 1/4	3,174.81	1 1/4	3,505.29
1 1/2	322.44	1 1/2	675.80	1 1/2	1,030.16	1 1/2	1,389.48	1 1/2	1,748.51	1 1/2	2,104.62	1 1/2	2,463.97	1 1/2	2,823.19	1 1/2	3,182.29	1 1/2	3,511.40
3/4	329.93	3/4	683.06	3/4	1,037.65	3/4	1,396.97	3/4	1,755.92	3/4	2,112.11	3/4	2,471.35	3/4	2,830.67	3/4	3,189.77	3/4	3,517.51
11	337.42	11	690.31	11	1,045.13	11	1,404.45	11	1,763.34	11	2,119.59	11	2,478.82	11	2,838.16	11	3,197.25	11	3,523.63
1 1/4	344.91	1 1/4	697.57	1 1/4	1,052.62	1 1/4	1,411.94	1 1/4	1,770.75	1 1/4	2,127.08	1 1/4	2,486.30	1 1/4	2,845.65	1 1/4	3,204.73	1 1/4	3,529.74
1 1/2	352.40	1 1/2	704.82	1 1/2	1,060.10	1 1/2	1,419.43	1 1/2	1,778.16	1 1/2	2,134.57	1 1/2	2,493.78	1 1/2	2,853.14	1 1/2	3,212.21	1 1/2	3,535.86
3/4	359.89	3/4	712.08	3/4	1,067.59	3/4	1,426.91	3/4	1,785.57	3/4	2,142.06	3/4	2,501.26	3/4	2,860.63	3/4	3,219.69	3/4	3,541.97

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77568
<http://www.pmacorp.net>





BARGE "EMS 395"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,548.08	0	3,841.37	0	4,121.61	0	4,379.66	0	4,619.66	0	4,849.66	0	5,069.66	0	5,279.66	0	5,479.66	0	5,669.66
1/4	3,554.20	1/4	3,847.41	1/4	4,127.21	1/4	4,384.77	1/4	4,624.77	1/4	4,854.77	1/4	5,074.77	1/4	5,284.77	1/4	5,484.77	1/4	5,674.77
1/2	3,560.31	1/2	3,853.46	1/2	4,132.81	1/2	4,389.88	1/2	4,629.88	1/2	4,859.88	1/2	5,079.88	1/2	5,289.88	1/2	5,489.88	1/2	5,679.88
3/4	3,566.42	3/4	3,859.50	3/4	4,138.40	3/4	4,395.00	3/4	4,635.00	3/4	4,865.00	3/4	5,085.00	3/4	5,295.00	3/4	5,495.00	3/4	5,685.00
1	3,572.54	1	3,865.54	1	4,144.00	1	4,400.11	1	4,640.11	1	4,870.11	1	5,090.11	1	5,300.11	1	5,500.11	1	5,690.11
1 1/4	3,578.65	1 1/4	3,871.55	1 1/4	4,149.56	1 1/4	4,405.18	1 1/4	4,645.18	1 1/4	4,875.18	1 1/4	5,095.18	1 1/4	5,305.18	1 1/4	5,505.18	1 1/4	5,695.18
1 1/2	3,584.76	1 1/2	3,877.56	1 1/2	4,155.12	1 1/2	4,410.26	1 1/2	4,650.26	1 1/2	4,880.26	1 1/2	5,100.26	1 1/2	5,310.26	1 1/2	5,510.26	1 1/2	5,700.26
3/4	3,590.88	3/4	3,883.56	3/4	4,160.68	3/4	4,415.33	3/4	4,655.33	3/4	4,885.33	3/4	5,105.33	3/4	5,315.33	3/4	5,515.33	3/4	5,705.33
2	3,596.99	2	3,889.57	2	4,166.23	2	4,420.41	2	4,660.41	2	4,890.41	2	5,110.41	2	5,320.41	2	5,520.41	2	5,710.41
1 1/4	3,603.10	1 1/4	3,895.54	1 1/4	4,171.76	1 1/4	4,425.45	1 1/4	4,665.45	1 1/4	4,895.45	1 1/4	5,115.45	1 1/4	5,325.45	1 1/4	5,525.45	1 1/4	5,715.45
1 1/2	3,609.22	1 1/2	3,901.51	1 1/2	4,177.28	1 1/2	4,430.48	1 1/2	4,670.48	1 1/2	4,900.48	1 1/2	5,120.48	1 1/2	5,330.48	1 1/2	5,530.48	1 1/2	5,720.48
3/4	3,615.33	3/4	3,907.47	3/4	4,182.80	3/4	4,435.52	3/4	4,675.52	3/4	4,905.52	3/4	5,125.52	3/4	5,335.52	3/4	5,535.52	3/4	5,725.52
3	3,621.44	3	3,913.44	3	4,188.32	3	4,440.56	3	4,680.56	3	4,910.56	3	5,130.56	3	5,340.56	3	5,540.56	3	5,730.56
1 1/4	3,627.56	1 1/4	3,919.38	1 1/4	4,193.80	1 1/4	4,445.56	1 1/4	4,685.56	1 1/4	4,915.56	1 1/4	5,135.56	1 1/4	5,345.56	1 1/4	5,545.56	1 1/4	5,735.56
1 1/2	3,633.67	1 1/2	3,925.31	1 1/2	4,199.29	1 1/2	4,450.56	1 1/2	4,690.56	1 1/2	4,920.56	1 1/2	5,140.56	1 1/2	5,350.56	1 1/2	5,550.56	1 1/2	5,740.56
3/4	3,639.78	3/4	3,931.24	3/4	4,204.77	3/4	4,455.56	3/4	4,695.56	3/4	4,925.56	3/4	5,145.56	3/4	5,355.56	3/4	5,555.56	3/4	5,745.56
4	3,645.90	4	3,937.17	4	4,210.26	4	4,460.56	4	4,695.56	4	4,925.56	4	5,145.56	4	5,355.56	4	5,555.56	4	5,745.56
1 1/4	3,652.01	1 1/4	3,943.07	1 1/4	4,215.70	1 1/4	4,466.09	1 1/4	4,700.09	1 1/4	4,930.09	1 1/4	5,150.09	1 1/4	5,360.09	1 1/4	5,560.09	1 1/4	5,750.09
1 1/2	3,658.13	1 1/2	3,948.96	1 1/2	4,221.15	1 1/2	4,471.62	1 1/2	4,706.62	1 1/2	4,940.62	1 1/2	5,155.62	1 1/2	5,365.62	1 1/2	5,565.62	1 1/2	5,755.62
3/4	3,664.24	3/4	3,954.85	3/4	4,226.60	3/4	4,477.15	3/4	4,711.15	3/4	4,945.15	3/4	5,160.15	3/4	5,370.15	3/4	5,570.15	3/4	5,760.15
5	3,670.35	5	3,960.75	5	4,232.05	5	4,482.68	5	4,716.68	5	4,950.68	5	5,165.68	5	5,375.68	5	5,575.68	5	5,765.68
1 1/4	3,676.47	1 1/4	3,966.61	1 1/4	4,237.46	1 1/4	4,488.76	1 1/4	4,721.76	1 1/4	4,955.76	1 1/4	5,170.76	1 1/4	5,380.76	1 1/4	5,580.76	1 1/4	5,770.76
1 1/2	3,682.58	1 1/2	3,972.46	1 1/2	4,242.86	1 1/2	4,494.83	1 1/2	4,726.83	1 1/2	4,960.83	1 1/2	5,175.83	1 1/2	5,385.83	1 1/2	5,585.83	1 1/2	5,775.83
3/4	3,688.69	3/4	3,978.32	3/4	4,248.27	3/4	4,500.91	3/4	4,732.91	3/4	4,966.91	3/4	5,180.91	3/4	5,390.91	3/4	5,590.91	3/4	5,780.91
6	3,694.81	6	3,984.18	6	4,253.68	6	4,506.99	6	4,737.99	6	4,972.99	6	5,185.99	6	5,395.99	6	5,595.99	6	5,785.99
1 1/4	3,700.92	1 1/4	3,990.00	1 1/4	4,259.06	1 1/4	4,513.07	1 1/4	4,743.07	1 1/4	4,978.07	1 1/4	5,190.07	1 1/4	5,400.07	1 1/4	5,600.07	1 1/4	5,790.07
1 1/2	3,707.03	1 1/2	3,995.82	1 1/2	4,264.43	1 1/2	4,519.14	1 1/2	4,748.14	1 1/2	4,983.14	1 1/2	5,195.14	1 1/2	5,405.14	1 1/2	5,605.14	1 1/2	5,795.14
3/4	3,713.15	3/4	4,001.64	3/4	4,269.80	3/4	4,525.22	3/4	4,753.22	3/4	4,988.22	3/4	5,200.22	3/4	5,410.22	3/4	5,610.22	3/4	5,800.22
7	3,719.26	7	4,007.46	7	4,275.17	7	4,531.30	7	4,759.30	7	4,993.30	7	5,205.30	7	5,415.30	7	5,615.30	7	5,805.30
1 1/4	3,725.37	1 1/4	4,013.24	1 1/4	4,280.47	1 1/4	4,538.67	1 1/4	4,766.67	1 1/4	4,998.67	1 1/4	5,210.67	1 1/4	5,420.67	1 1/4	5,620.67	1 1/4	5,810.67
1 1/2	3,731.49	1 1/2	4,019.02	1 1/2	4,285.77	1 1/2	4,546.05	1 1/2	4,771.05	1 1/2	5,005.05	1 1/2	5,215.05	1 1/2	5,425.05	1 1/2	5,625.05	1 1/2	5,815.05
3/4	3,737.60	3/4	4,024.80	3/4	4,291.07	3/4	4,553.43	3/4	4,776.43	3/4	5,008.43	3/4	5,218.43	3/4	5,428.43	3/4	5,628.43	3/4	5,818.43
8	3,743.71	8	4,030.59	8	4,296.37	8	4,560.80	8	4,781.80	8	5,011.80	8	5,221.80	8	5,431.80	8	5,631.80	8	5,821.80
1 1/4	3,749.83	1 1/4	4,036.33	1 1/4	4,301.63	1 1/4	4,567.50	1 1/4	4,786.50	1 1/4	5,016.50	1 1/4	5,226.50	1 1/4	5,436.50	1 1/4	5,636.50	1 1/4	5,826.50
1 1/2	3,755.94	1 1/2	4,042.08	1 1/2	4,306.89	1 1/2	4,574.19	1 1/2	4,791.19	1 1/2	5,021.19	1 1/2	5,231.19	1 1/2	5,441.19	1 1/2	5,641.19	1 1/2	5,831.19
3/4	3,762.05	3/4	4,047.82	3/4	4,312.15	3/4	4,580.88	3/4	4,796.88	3/4	5,026.88	3/4	5,236.88	3/4	5,446.88	3/4	5,646.88	3/4	5,836.88
9	3,768.17	9	4,053.57	9	4,317.42	9	4,587.57	9	4,802.57	9	5,032.57	9	5,242.57	9	5,452.57	9	5,652.57	9	5,842.57
1 1/4	3,774.28	1 1/4	4,059.27	1 1/4	4,322.64	1 1/4	4,592.90	1 1/4	4,807.90	1 1/4	5,037.90	1 1/4	5,247.90	1 1/4	5,457.90	1 1/4	5,657.90	1 1/4	5,847.90
1 1/2	3,780.40	1 1/2	4,064.98	1 1/2	4,327.86	1 1/2	4,598.23	1 1/2	4,813.23	1 1/2	5,043.23	1 1/2	5,253.23	1 1/2	5,463.23	1 1/2	5,663.23	1 1/2	5,853.23
3/4	3,786.51	3/4	4,070.69	3/4	4,333.09	3/4	4,603.56	3/4	4,818.56	3/4	5,048.56	3/4	5,258.56	3/4	5,468.56	3/4	5,668.56	3/4	5,858.56
10	3,792.62	10	4,076.40	10	4,338.31	10	4,609.11	10	4,824.11	10	5,054.11	10	5,264.11	10	5,474.11	10	5,674.11	10	5,864.11
1 1/4	3,798.73	1 1/4	4,082.07	1 1/4	4,343.50	1 1/4	4,614.50	1 1/4	4,829.50	1 1/4	5,059.50	1 1/4	5,269.50	1 1/4	5,479.50	1 1/4	5,679.50	1 1/4	5,869.50
1 1/2	3,804.83	1 1/2	4,087.74	1 1/2	4,348.69	1 1/2	4,619.69	1 1/2	4,835.69	1 1/2	5,065.69	1 1/2	5,275.69	1 1/2	5,485.69	1 1/2	5,685.69	1 1/2	5,875.69
3/4	3,810.94	3/4	4,093.41	3/4	4,353.87	3/4	4,625.87	3/4	4,841.87	3/4	5,067.87	3/4	5,277.87	3/4	5,487.87	3/4	5,687.87	3/4	5,877.87
11	3,817.05	11	4,099.08	11	4,359.06	11	4,631.06	11	4,849.06	11	5,071.06	11	5,281.06	11	5,491.06	11	5,691.06	11	5,881.06
1 1/4	3,823.13	1 1/4	4,104.71	1 1/4	4,364.21	1 1/4	4,636.21	1 1/4	4,854.21	1 1/4	5,076.21	1 1/4	5,286.21	1 1/4	5,496.21	1 1/4	5,696.21	1 1/4	5,886.21
1 1/2	3,829.21	1 1/2	4,110.35	1 1/2	4,369.36	1 1/2	4,641.36	1 1/2	4,859.36	1 1/2	5,081.36	1 1/2	5,291.36	1 1/2	5,501.36	1 1/2	5,701.36	1 1/2	5,891.36
3/4	3,835.29	3/4	4,115.98	3/4	4,374.51	3/4	4,646.51	3/4	4,864.51	3/4	5,086.51	3/4	5,296.51	3/4	5,506.51	3/4	5,706.51	3/4	5,896.51

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
 CALCULATED: 03/30/2016 CL
 PRINTED: 04/01/2016 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2016

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



BARGE "EMS 395"

ULLAGE TRIM TABLE

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

(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 1 PORT IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

March 30, 2016

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

<http://www.pmacorp.net>



BARGE "EMS 395"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	4,235.24	0	3,943.43	0	3,631.35	0	3,302.09	0	2,970.43	0	2,638.74	0	2,307.03				
1/4	1/4	1/4	1/4	4,228.87	1/4	3,937.13	1/4	3,624.64	1/4	3,295.82	1/4	2,963.52	1/4	2,631.83	1/4	2,300.12				
1/2	1/2	1/2	1/2	4,222.51	1/2	3,930.84	1/2	3,617.93	1/2	3,288.27	1/2	2,956.61	1/2	2,624.92	1/2	2,293.21				
3/4	3/4	3/4	3/4	4,216.63	3/4	3,924.51	3/4	3,611.19	3/4	3,281.36	3/4	2,949.70	3/4	2,618.01	3/4	2,286.30				
1	1	1	1	4,210.75	1	3,918.18	1	3,604.45	1	3,274.45	1	2,942.79	1	2,611.10	1	2,279.39				
1/4	1/4	1/4	1/4	4,204.88	1/4	3,911.85	1/4	3,597.71	1/4	3,267.34	1/4	2,935.88	1/4	2,604.19	1/4	2,272.48				
1/2	1/2	1/2	1/2	4,199.00	1/2	3,905.52	1/2	3,590.97	1/2	3,260.63	1/2	2,928.97	1/2	2,597.28	1/2	2,265.57				
3/4	3/4	3/4	3/4	4,193.09	3/4	3,899.15	3/4	3,584.19	3/4	3,253.72	3/4	2,922.06	3/4	2,590.37	3/4	2,258.66				
2	2	2	2	4,187.17	2	3,892.79	2	3,577.41	2	3,246.81	2	2,915.15	2	2,583.46	2	2,251.75				
1/4	1/4	1/4	1/4	4,181.26	1/4	3,886.43	1/4	3,570.64	1/4	3,239.90	1/4	2,908.24	1/4	2,576.55	1/4	2,244.84				
1/2	1/2	1/2	1/2	4,175.35	1/2	3,880.06	1/2	3,563.86	1/2	3,232.99	1/2	2,901.33	1/2	2,569.64	1/2	2,237.93				
3/4	3/4	3/4	3/4	4,169.40	3/4	3,873.66	3/4	3,557.05	3/4	3,226.08	3/4	2,894.42	3/4	2,562.73	3/4	2,231.02				
3	3	3	3	4,163.46	3	3,867.26	3	3,550.24	3	3,219.17	3	2,887.51	3	2,555.82	3	2,224.11				
1/4	1/4	1/4	1/4	4,157.51	1/4	3,860.87	1/4	3,543.43	1/4	3,212.26	1/4	2,880.60	1/4	2,548.91	1/4	2,217.20				
1/2	1/2	1/2	1/2	4,151.57	1/2	3,854.47	1/2	3,536.62	1/2	3,205.35	1/2	2,873.69	1/2	2,542.00	1/2	2,210.29				
3/4	3/4	3/4	3/4	4,145.58	3/4	3,848.03	3/4	3,529.77	3/4	3,198.44	3/4	2,866.78	3/4	2,535.08	3/4	2,203.38				
4	4	4	4	4,139.60	4	3,841.60	4	3,522.93	4	3,191.53	4	2,859.87	4	2,528.17	4	2,196.46				
1/4	1/4	1/4	1/4	4,133.62	1/4	3,835.17	1/4	3,516.08	1/4	3,184.62	1/4	2,852.96	1/4	2,521.26	1/4	2,189.55				
1/2	1/2	1/2	1/2	4,127.64	1/2	3,828.74	1/2	3,509.24	1/2	3,177.71	1/2	2,846.05	1/2	2,514.35	1/2	2,182.64				
3/4	3/4	3/4	3/4	4,121.63	3/4	3,822.27	3/4	3,502.36	3/4	3,170.80	3/4	2,839.14	3/4	2,507.44	3/4	2,175.73				
5	5	5	5	4,115.61	5	3,815.80	5	3,495.48	5	3,163.90	5	2,832.23	5	2,500.53	5	2,168.82				
1/4	1/4	1/4	1/4	4,109.60	1/4	3,809.33	1/4	3,488.60	1/4	3,156.99	1/4	2,825.32	1/4	2,493.62	1/4	2,161.91				
1/2	1/2	1/2	1/2	4,103.58	1/2	3,802.87	1/2	3,481.72	1/2	3,150.08	1/2	2,818.42	1/2	2,486.71	1/2	2,155.00				
3/4	3/4	3/4	3/4	4,097.53	3/4	3,796.36	3/4	3,474.81	3/4	3,143.17	3/4	2,811.51	3/4	2,479.80	3/4	2,148.09				
6	6	6	6	4,091.48	6	3,789.86	6	3,467.91	6	3,136.26	6	2,804.60	6	2,472.89	6	2,141.18				
1/4	1/4	1/4	1/4	4,085.44	1/4	3,783.36	1/4	3,461.00	1/4	3,129.35	1/4	2,797.69	1/4	2,465.98	1/4	2,134.27				
1/2	1/2	1/2	1/2	4,079.39	1/2	3,776.86	1/2	3,454.10	1/2	3,122.44	1/2	2,790.78	1/2	2,459.07	1/2	2,127.36				
3/4	3/4	3/4	3/4	4,073.30	3/4	3,770.32	3/4	3,447.19	3/4	3,115.53	3/4	2,783.87	3/4	2,452.16	3/4	2,120.45				
7	7	7	7	4,067.22	7	3,763.79	7	3,440.28	7	3,108.62	7	2,776.96	7	2,445.25	7	2,113.54				
1/4	1/4	1/4	1/4	4,061.14	1/4	3,757.25	1/4	3,433.37	1/4	3,101.71	1/4	2,770.04	1/4	2,438.34	1/4	2,106.63				
1/2	1/2	1/2	1/2	4,055.05	1/2	3,750.72	1/2	3,426.46	1/2	3,094.80	1/2	2,763.13	1/2	2,431.43	1/2	2,099.72				
3/4	3/4	3/4	3/4	4,048.93	3/4	3,744.15	3/4	3,419.55	3/4	3,087.89	3/4	2,756.22	3/4	2,424.51	3/4	2,092.81				
8	8	8	8	4,042.82	8	3,737.58	8	3,412.64	8	3,080.98	8	2,749.31	8	2,417.60	8	2,085.90				
1/4	1/4	1/4	1/4	4,036.70	1/4	3,731.00	1/4	3,405.73	1/4	3,074.07	1/4	2,742.40	1/4	2,410.69	1/4	2,079.98				
1/2	1/2	1/2	1/2	4,030.58	1/2	3,724.43	1/2	3,398.82	1/2	3,067.16	1/2	2,735.49	1/2	2,403.78	1/2	2,072.07				
3/4	3/4	3/4	3/4	4,024.43	3/4	3,717.83	3/4	3,391.91	3/4	3,060.25	3/4	2,728.58	3/4	2,396.87	3/4	2,065.16				
9	9	9	9	4,018.27	9	3,711.22	9	3,385.00	9	3,053.34	9	2,721.67	9	2,389.96	9	2,058.25				
1/4	1/4	1/4	1/4	4,012.12	1/4	3,704.62	1/4	3,378.09	1/4	3,046.43	1/4	2,714.76	1/4	2,383.05	1/4	2,051.34				
1/2	1/2	1/2	1/2	4,005.97	1/2	3,698.02	1/2	3,371.18	1/2	3,039.52	1/2	2,707.85	1/2	2,376.14	1/2	2,044.43				
3/4	3/4	3/4	3/4	3,999.74	3/4	3,691.38	3/4	3,364.27	3/4	3,032.61	3/4	2,700.94	3/4	2,369.23	3/4	2,037.52				
10	10	10	10	3,993.52	10	3,684.74	10	3,357.36	10	3,025.70	10	2,694.03	10	2,362.32	10	2,030.61				
1/4	1/4	1/4	1/4	3,987.29	1/4	3,678.10	1/4	3,350.45	1/4	3,018.79	1/4	2,687.12	1/4	2,355.41	1/4	2,023.70				
1/2	1/2	1/2	1/2	3,981.06	1/2	3,671.46	1/2	3,343.54	1/2	3,011.88	1/2	2,680.21	1/2	2,348.50	1/2	2,016.79				
3/4	3/4	3/4	3/4	3,974.80	3/4	3,664.79	3/4	3,336.64	3/4	3,004.97	3/4	2,673.30	3/4	2,341.59	3/4	2,009.88				
11	11	11	11	3,968.54	11	3,658.11	11	3,329.73	11	2,998.06	11	2,666.39	11	2,334.68	11	2,002.97				
1/4	1/4	1/4	1/4	3,962.28	1/4	3,651.44	1/4	3,322.82	1/4	2,991.16	1/4	2,659.48	1/4	2,327.77	1/4	1,996.06				
1/2	1/2	1/2	1/2	4,247.97	1/2	3,956.02	1/2	3,644.77	1/2	3,315.91	1/2	2,984.25	1/2	2,652.56	1/2	2,320.86	1/2	1,989.15		
3/4	3/4	3/4	3/4	4,241.60	3/4	3,949.72	3/4	3,638.06	3/4	3,309.00	3/4	2,977.34	3/4	2,645.65	3/4	2,313.95	3/4	1,982.24		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
<http://www.pmacorp.net>



BARGE "EMS 395"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,975.33	0	1,643.62	0	1,311.91	0	980.45	0	665.28	0	372.00	0	102.35	0	0	0	0	0	0
1/4	1,968.42	1/4	1,636.71	1/4	1,305.00	1/4	973.63	1/4	658.93	1/4	373.63	1/4	96.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,961.50	1/2	1,629.80	1/2	1,298.09	1/2	966.81	1/2	652.57	1/2	360.27	1/2	91.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,954.59	3/4	1,622.89	3/4	1,291.18	3/4	960.02	3/4	646.25	3/4	354.45	3/4	86.28	3/4	3/4	3/4	3/4	3/4	3/4
1	1,947.68	1	1,615.97	1	1,284.27	1	953.24	1	639.94	1	348.62	1	80.95	1	1	1	1	1	1
1/4	1,940.77	1/4	1,609.06	1/4	1,277.36	1/4	946.46	1/4	633.62	1/4	342.80	1/4	75.62	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,933.86	1/2	1,602.15	1/2	1,270.44	1/2	939.67	1/2	627.31	1/2	336.98	1/2	70.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,926.95	3/4	1,595.24	3/4	1,263.53	3/4	932.95	3/4	621.03	3/4	331.20	3/4	65.00	3/4	3/4	3/4	3/4	3/4	3/4
2	1,920.04	2	1,588.33	2	1,256.62	2	926.22	2	614.76	2	325.41	2	59.71	2	2	2	2	2	2
1/4	1,913.13	1/4	1,581.42	1/4	1,249.71	1/4	919.50	1/4	608.49	1/4	319.63	1/4	54.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.22	1/2	1,574.51	1/2	1,242.80	1/2	912.77	1/2	602.21	1/2	313.85	1/2	49.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,899.31	3/4	1,567.60	3/4	1,235.89	3/4	906.09	3/4	595.98	3/4	308.11	3/4	44.13	3/4	3/4	3/4	3/4	3/4	3/4
3	1,892.40	3	1,560.69	3	1,228.98	3	899.40	3	589.75	3	302.37	3	39.13	3	3	3	3	3	3
1/4	1,885.49	1/4	1,553.78	1/4	1,222.07	1/4	892.72	1/4	583.51	1/4	296.63	1/4	34.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.58	1/2	1,546.87	1/2	1,215.16	1/2	886.04	1/2	577.28	1/2	290.89	1/2	29.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,871.67	3/4	1,539.96	3/4	1,208.25	3/4	879.39	3/4	571.09	3/4	285.19	3/4	25.89	3/4	3/4	3/4	3/4	3/4	3/4
4	1,864.76	4	1,533.05	4	1,201.34	4	872.75	4	564.89	4	279.49	4	22.66	4	4	4	4	4	4
1/4	1,857.85	1/4	1,526.14	1/4	1,194.43	1/4	866.11	1/4	558.70	1/4	273.79	1/4	19.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,850.93	1/2	1,519.23	1/2	1,187.52	1/2	859.47	1/2	552.51	1/2	268.09	1/2	16.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,844.02	3/4	1,512.32	3/4	1,180.61	3/4	852.87	3/4	546.36	3/4	262.43	3/4	11.11	3/4	3/4	3/4	3/4	3/4	3/4
5	1,837.11	5	1,505.40	5	1,173.70	5	846.27	5	540.21	5	256.77	5	5	5	5	5	5	5	5
1/4	1,830.20	1/4	1,498.49	1/4	1,166.79	1/4	839.67	1/4	534.06	1/4	251.11	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,823.29	1/2	1,491.58	1/2	1,159.88	1/2	833.08	1/2	527.91	1/2	245.45	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,816.38	3/4	1,484.67	3/4	1,152.96	3/4	826.52	3/4	521.80	3/4	239.84	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
6	1,809.47	6	1,477.76	6	1,146.05	6	819.96	6	515.69	6	234.22	6	0	6	6	6	6	6	6
1/4	1,802.56	1/4	1,470.85	1/4	1,139.14	1/4	813.41	1/4	509.58	1/4	228.60	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,795.65	1/2	1,463.94	1/2	1,132.23	1/2	806.85	1/2	503.46	1/2	222.98	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.74	3/4	1,457.03	3/4	1,125.32	3/4	800.33	3/4	497.40	3/4	217.41	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
7	1,781.83	7	1,450.12	7	1,118.41	7	793.81	7	491.33	7	211.83	7	0	7	7	7	7	7	7
1/4	1,774.92	1/4	1,443.21	1/4	1,111.50	1/4	787.29	1/4	485.26	1/4	206.25	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,768.01	1/2	1,436.30	1/2	1,104.59	1/2	780.77	1/2	479.19	1/2	200.68	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,761.10	3/4	1,429.39	3/4	1,097.68	3/4	774.29	3/4	473.16	3/4	195.14	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	1,754.19	8	1,422.48	8	1,090.77	8	767.82	8	467.13	8	189.61	8	0	8	8	8	8	8	8
1/4	1,747.28	1/4	1,415.57	1/4	1,083.86	1/4	761.34	1/4	461.10	1/4	184.07	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,740.37	1/2	1,408.66	1/2	1,076.95	1/2	754.86	1/2	455.08	1/2	178.54	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.45	3/4	1,401.75	3/4	1,070.04	3/4	748.42	3/4	449.09	3/4	173.04	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	1,726.54	9	1,394.84	9	1,063.13	9	741.98	9	443.10	9	167.55	9	0	9	9	9	9	9	9
1/4	1,719.63	1/4	1,387.92	1/4	1,056.22	1/4	735.55	1/4	437.12	1/4	162.05	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,712.72	1/2	1,381.01	1/2	1,049.31	1/2	729.11	1/2	431.13	1/2	156.56	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,705.81	3/4	1,374.10	3/4	1,042.39	3/4	722.70	3/4	425.10	3/4	151.10	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	1,698.90	10	1,367.19	10	1,035.48	10	716.29	10	419.24	10	145.65	10	0	10	10	10	10	10	10
1/4	1,691.99	1/4	1,360.28	1/4	1,028.57	1/4	709.88	1/4	413.29	1/4	140.20	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,685.08	1/2	1,353.37	1/2	1,021.66	1/2	703.47	1/2	407.34	1/2	134.74	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,678.17	3/4	1,346.46	3/4	1,014.77	3/4	697.10	3/4	401.44	3/4	129.33	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	1,671.26	11	1,339.55	11	1,007.88	11	690.73	11	395.53	11	123.92	11	0	11	11	11	11	11	11
1/4	1,664.35	1/4	1,332.64	1/4	1,000.99	1/4	684.36	1/4	389.63	1/4	118.51	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,657.44	1/2	1,325.73	1/2	994.10	1/2	678.00	1/2	383.72	1/2	113.09	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,650.53	3/4	1,318.82	3/4	987.28	3/4	671.64	3/4	377.86	3/4	107.72	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2062
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "EMS 395"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2682
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 395"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,950.24	0	1,619.49	0	1,288.74	0	958.43	0	644.35	0	353.40	0	86.02	0		0		0	
1/4	1,943.35	1/4	1,612.60	1/4	1,281.85	1/4	951.64	1/4	638.05	1/4	347.59	1/4	80.71	1/4		1/4		1/4	
1/2	1,936.46	1/2	1,605.71	1/2	1,274.96	1/2	944.85	1/2	631.75	1/2	341.78	1/2	75.39	1/2		1/2		1/2	
3/4	1,929.57	3/4	1,598.82	3/4	1,268.07	3/4	938.06	3/4	625.46	3/4	335.98	3/4	70.08	3/4		3/4		3/4	
1	1,922.68	1	1,591.93	1	1,261.18	1	931.33	1	619.20	1	330.21	1	64.80	1		1		1	
1 1/4	1,915.79	1 1/4	1,585.04	1 1/4	1,254.29	1 1/4	924.59	1 1/4	612.95	1 1/4	324.45	1 1/4	59.53	1 1/4		1 1/4		1 1/4	
1 1/2	1,908.90	1 1/2	1,578.15	1 1/2	1,247.40	1 1/2	917.86	1 1/2	606.89	1 1/2	318.68	1 1/2	54.26	1 1/2		1 1/2		1 1/2	
3/4	1,902.01	3/4	1,571.26	3/4	1,240.51	3/4	911.12	3/4	600.43	3/4	312.92	3/4	48.98	3/4		3/4		3/4	
2	1,895.12	2	1,564.37	2	1,233.62	2	904.43	2	594.22	2	307.20	2	44.00	2		2		2	
2 1/4	1,888.23	2 1/4	1,557.48	2 1/4	1,226.73	2 1/4	897.74	2 1/4	588.00	2 1/4	301.47	2 1/4	39.01	2 1/4		2 1/4		2 1/4	
2 1/2	1,881.34	2 1/2	1,550.59	2 1/2	1,219.84	2 1/2	891.05	2 1/2	581.79	2 1/2	295.75	2 1/2	34.02	2 1/2		2 1/2		2 1/2	
3	1,874.45	3	1,543.70	3	1,212.95	3	884.35	3	575.57	3	290.03	3	29.04	3		3		3	
3 1/4	1,867.55	3 1/4	1,536.81	3 1/4	1,206.06	3 1/4	877.70	3 1/4	569.40	3 1/4	284.34	3 1/4	25.81	3 1/4		3 1/4		3 1/4	
3 1/2	1,860.66	3 1/2	1,529.92	3 1/2	1,199.17	3 1/2	871.05	3 1/2	563.23	3 1/2	278.66	3 1/2	22.59	3 1/2		3 1/2		3 1/2	
4	1,853.77	4	1,523.02	4	1,192.28	4	864.40	4	557.05	4	272.98	4	19.37	4		4		4	
4 1/4	1,846.88	4 1/4	1,516.13	4 1/4	1,185.39	4 1/4	857.74	4 1/4	550.88	4 1/4	267.29	4 1/4	16.15	4 1/4		4 1/4		4 1/4	
4 1/2	1,839.99	4 1/2	1,509.24	4 1/2	1,178.49	4 1/2	851.14	4 1/2	544.74	4 1/2	261.65	4 1/2	13.00	4 1/2		4 1/2		4 1/2	
5	1,833.10	5	1,502.35	5	1,171.60	5	844.53	5	538.61	5	256.01	5	10.00	5		5		5	
5 1/4	1,826.21	5 1/4	1,495.46	5 1/4	1,164.71	5 1/4	837.92	5 1/4	532.48	5 1/4	250.37	5 1/4	7.00	5 1/4		5 1/4		5 1/4	
5 1/2	1,819.32	5 1/2	1,488.57	5 1/2	1,157.82	5 1/2	831.32	5 1/2	526.35	5 1/2	244.73	5 1/2	4.00	5 1/2		5 1/2		5 1/2	
6	1,812.43	6	1,481.68	6	1,150.93	6	824.75	6	520.25	6	239.12	6	1.00	6		6		6	
6 1/4	1,805.54	6 1/4	1,474.79	6 1/4	1,144.04	6 1/4	818.18	6 1/4	514.16	6 1/4	233.52	6 1/4	0.00	6 1/4		6 1/4		6 1/4	
6 1/2	1,798.65	6 1/2	1,467.90	6 1/2	1,137.15	6 1/2	811.62	6 1/2	508.07	6 1/2	227.92	6 1/2	0.00	6 1/2		6 1/2		6 1/2	
7	1,791.76	7	1,461.01	7	1,130.26	7	805.05	7	501.98	7	222.32	7	0.00	7		7		7	
7 1/4	1,784.87	7 1/4	1,454.12	7 1/4	1,123.37	7 1/4	798.52	7 1/4	495.93	7 1/4	216.76	7 1/4	0.00	7 1/4		7 1/4		7 1/4	
7 1/2	1,777.98	7 1/2	1,447.23	7 1/2	1,116.48	7 1/2	791.99	7 1/2	489.87	7 1/2	211.20	7 1/2	0.00	7 1/2		7 1/2		7 1/2	
8	1,771.09	8	1,440.34	8	1,109.59	8	785.46	8	483.82	8	205.64	8	0.00	8		8		8	
8 1/4	1,764.20	8 1/4	1,433.45	8 1/4	1,102.70	8 1/4	778.93	8 1/4	477.77	8 1/4	200.08	8 1/4	0.00	8 1/4		8 1/4		8 1/4	
8 1/2	1,757.31	8 1/2	1,426.56	8 1/2	1,095.81	8 1/2	772.45	8 1/2	471.76	8 1/2	194.56	8 1/2	0.00	8 1/2		8 1/2		8 1/2	
9	1,750.41	9	1,419.67	9	1,088.92	9	765.96	9	465.75	9	189.04	9	0.00	9		9		9	
9 1/4	1,743.52	9 1/4	1,412.78	9 1/4	1,082.03	9 1/4	759.47	9 1/4	459.74	9 1/4	183.52	9 1/4	0.00	9 1/4		9 1/4		9 1/4	
9 1/2	1,736.63	9 1/2	1,405.88	9 1/2	1,075.14	9 1/2	752.98	9 1/2	453.73	9 1/2	178.00	9 1/2	0.00	9 1/2		9 1/2		9 1/2	
10	1,729.74	10	1,398.99	10	1,068.25	10	746.53	10	447.76	10	172.53	10	0.00	10		10		10	
10 1/4	1,722.85	10 1/4	1,392.10	10 1/4	1,061.35	10 1/4	740.09	10 1/4	441.79	10 1/4	167.05	10 1/4	0.00	10 1/4		10 1/4		10 1/4	
10 1/2	1,715.96	10 1/2	1,385.21	10 1/2	1,054.46	10 1/2	733.64	10 1/2	435.82	10 1/2	161.57	10 1/2	0.00	10 1/2		10 1/2		10 1/2	
11	1,709.07	11	1,378.32	11	1,047.57	11	727.19	11	429.85	11	156.09	11	0.00	11		11		11	
11 1/4	1,702.18	11 1/4	1,371.43	11 1/4	1,040.68	11 1/4	720.77	11 1/4	423.92	11 1/4	150.65	11 1/4	0.00	11 1/4		11 1/4		11 1/4	
11 1/2	1,695.29	11 1/2	1,364.54	11 1/2	1,033.79	11 1/2	714.35	11 1/2	418.00	11 1/2	145.22	11 1/2	0.00	11 1/2		11 1/2		11 1/2	
12	1,688.40	12	1,357.65	12	1,026.90	12	707.93	12	412.07	12	139.78	12	0.00	12		12		12	
12 1/4	1,681.51	12 1/4	1,350.76	12 1/4	1,020.01	12 1/4	701.51	12 1/4	406.14	12 1/4	134.34	12 1/4	0.00	12 1/4		12 1/4		12 1/4	
12 1/2	1,674.62	12 1/2	1,343.87	12 1/2	1,013.14	12 1/2	695.13	12 1/2	400.25	12 1/2	128.95	12 1/2	0.00	12 1/2		12 1/2		12 1/2	
13	1,667.73	13	1,336.98	13	1,006.27	13	688.75	13	394.36	13	123.55	13	0.00	13		13		13	
13 1/4	1,660.84	13 1/4	1,330.09	13 1/4	999.40	13 1/4	682.38	13 1/4	388.48	13 1/4	118.15	13 1/4	0.00	13 1/4		13 1/4		13 1/4	
13 1/2	1,653.95	13 1/2	1,323.20	13 1/2	992.53	13 1/2	676.00	13 1/2	382.59	13 1/2	112.76	13 1/2	0.00	13 1/2		13 1/2		13 1/2	
14	1,647.06	14	1,316.31	14	985.70	14	669.66	14	376.74	14	107.40	14	0.00	14		14		14	
14 1/4	1,640.17	14 1/4	1,309.42	14 1/4	978.87	14 1/4	663.32	14 1/4	370.90	14 1/4	102.05	14 1/4	0.00	14 1/4		14 1/4		14 1/4	
14 1/2	1,633.27	14 1/2	1,302.53	14 1/2	972.04	14 1/2	656.98	14 1/2	365.05	14 1/2	96.69	14 1/2	0.00	14 1/2		14 1/2		14 1/2	
15	1,626.38	15	1,295.64	15	965.21	15	650.65	15	359.20	15	91.34	15	0.00	15		15		15	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016



BARGE "EMS 395"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 395"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,482.01	0	1,703.73	0	1,314.59	0	925.45	0	550.68	0
1/4	2,473.91	1/4	1,695.62	1/4	1,306.48	1/4	917.34	1/4	542.89	1/4
1/2	2,465.80	1/2	1,687.52	1/2	1,298.38	1/2	909.24	1/2	535.09	1/2
3/4	2,457.69	3/4	1,679.41	3/4	1,290.27	3/4	901.13	3/4	527.30	3/4
1	2,449.58	1	1,671.30	1	1,282.16	1	893.03	1	519.19	1
1/4	2,441.48	1/4	1,663.20	1/4	1,274.06	1/4	885.53	1/4	511.08	1/4
1/2	2,433.37	1/2	1,655.09	1/2	1,265.95	1/2	877.73	1/2	502.98	1/2
3/4	2,425.26	3/4	1,646.98	3/4	1,257.84	3/4	869.93	3/4	494.87	3/4
2	2,417.16	2	1,638.87	2	1,249.73	2	862.12	2	486.76	2
1/4	2,409.05	1/4	1,630.77	1/4	1,241.63	1/4	854.33	1/4	478.66	1/4
1/2	2,400.94	1/2	1,622.66	1/2	1,233.52	1/2	846.52	1/2	470.55	1/2
3/4	2,392.84	3/4	1,614.55	3/4	1,225.41	3/4	838.72	3/4	462.45	3/4
3	2,384.73	3	1,606.45	3	1,217.31	3	830.93	3	454.34	3
1/4	2,376.62	1/4	1,598.34	1/4	1,209.20	1/4	823.13	1/4	446.23	1/4
1/2	2,368.51	1/2	1,590.23	1/2	1,201.09	1/2	815.34	1/2	438.13	1/2
3/4	2,360.41	3/4	1,582.13	3/4	1,192.98	3/4	807.54	3/4	430.02	3/4
4	2,352.30	4	1,574.02	4	1,184.88	4	799.76	4	421.91	4
1/4	2,344.19	1/4	1,565.91	1/4	1,176.77	1/4	791.97	1/4	413.81	1/4
1/2	2,336.09	1/2	1,557.80	1/2	1,168.66	1/2	784.19	1/2	405.70	1/2
3/4	2,327.98	3/4	1,549.70	3/4	1,160.56	3/4	776.41	3/4	397.59	3/4
5	2,319.87	5	1,541.59	5	1,152.45	5	768.62	5	389.49	5
1/4	2,311.76	1/4	1,533.48	1/4	1,144.34	1/4	760.84	1/4	381.38	1/4
1/2	2,303.66	1/2	1,525.38	1/2	1,136.23	1/2	753.05	1/2	373.28	1/2
3/4	2,295.55	3/4	1,517.27	3/4	1,128.13	3/4	745.27	3/4	365.17	3/4
6	2,287.44	6	1,509.16	6	1,120.02	6	737.48	6	357.06	6
1/4	2,279.34	1/4	1,501.05	1/4	1,111.91	1/4	729.70	1/4	348.96	1/4
1/2	2,271.23	1/2	1,492.95	1/2	1,103.81	1/2	721.92	1/2	340.85	1/2
3/4	2,263.12	3/4	1,484.84	3/4	1,095.70	3/4	714.13	3/4	332.74	3/4
7	2,255.01	7	1,476.73	7	1,087.59	7	706.35	7	324.64	7
1/4	2,246.91	1/4	1,468.63	1/4	1,079.49	1/4	698.57	1/4	316.53	1/4
1/2	2,238.80	1/2	1,460.52	1/2	1,071.38	1/2	690.79	1/2	308.42	1/2
3/4	2,230.69	3/4	1,452.41	3/4	1,063.27	3/4	683.01	3/4	300.32	3/4
8	2,222.58	8	1,444.30	8	1,055.16	8	675.23	8	292.21	8
1/4	2,214.48	1/4	1,436.20	1/4	1,047.06	1/4	667.45	1/4	284.10	1/4
1/2	2,206.37	1/2	1,428.09	1/2	1,038.95	1/2	659.67	1/2	276.00	1/2
3/4	2,198.26	3/4	1,419.98	3/4	1,030.84	3/4	651.89	3/4	267.89	3/4
9	2,190.16	9	1,411.88	9	1,022.74	9	644.10	9	259.79	9
1/4	2,182.05	1/4	1,403.77	1/4	1,014.63	1/4	636.32	1/4	251.68	1/4
1/2	2,173.94	1/2	1,395.66	1/2	1,006.52	1/2	628.54	1/2	243.57	1/2
3/4	2,165.84	3/4	1,387.55	3/4	998.41	3/4	620.75	3/4	235.47	3/4
10	2,157.73	10	1,379.45	10	990.31	10	612.97	10	227.36	10
1/4	2,149.62	1/4	1,371.34	1/4	982.20	1/4	605.18	1/4	219.25	1/4
1/2	2,141.52	1/2	1,363.23	1/2	974.09	1/2	597.40	1/2	211.15	1/2
3/4	2,133.41	3/4	1,355.13	3/4	965.99	3/4	589.61	3/4	203.04	3/4
11	2,125.30	11	1,347.02	11	957.88	11	581.83	11	194.93	11
1/4	2,117.19	1/4	1,338.91	1/4	949.77	1/4	574.05	1/4	186.83	1/4
1/2	2,109.09	1/2	1,330.81	1/2	941.66	1/2	566.26	1/2	178.72	1/2
3/4	2,100.98	3/4	1,322.70	3/4	933.56	3/4	558.48	3/4	170.62	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2002
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "EMS 395"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,478.62	0	2,091.08	0	1,703.54	0	1,315.99	0	928.45	0	541.28	0	153.77	0		0		0	
1/4	2,470.55	1/4	2,083.00	1/4	1,695.46	1/4	1,307.92	1/4	920.38	1/4	533.20	1/4	145.70	1/4		1/4		1/4	
1/2	2,462.47	1/2	2,074.93	1/2	1,687.39	1/2	1,299.85	1/2	912.30	1/2	525.13	1/2	137.62	1/2		1/2		1/2	
3/4	2,454.40	3/4	2,066.86	3/4	1,679.31	3/4	1,291.77	3/4	904.23	3/4	517.06	3/4	129.55	3/4		3/4		3/4	
1	2,446.33	1	2,058.78	1	1,671.24	1	1,283.70	1	896.16	1	508.98	1	121.48	1		1		1	
1 1/4	2,438.25	1 1/4	2,050.71	1 1/4	1,663.17	1 1/4	1,275.62	1 1/4	888.08	1 1/4	500.91	1 1/4	113.40	1 1/4		1 1/4		1 1/4	
1 1/2	2,430.18	1 1/2	2,042.64	1 1/2	1,655.09	1 1/2	1,267.55	1 1/2	880.01	1 1/2	492.84	1 1/2	105.33	1 1/2		1 1/2		1 1/2	
3/4	2,422.10	3/4	2,034.56	3/4	1,647.02	3/4	1,259.48	3/4	871.93	3/4	484.77	3/4	97.26	3/4		3/4		3/4	
2	2,414.03	2	2,026.49	2	1,638.95	2	1,251.40	2	863.86	2	476.69	2	89.18	2		2		2	
2 1/4	2,405.96	2 1/4	2,018.41	2 1/4	1,630.87	2 1/4	1,243.33	2 1/4	855.79	2 1/4	468.62	2 1/4	81.11	2 1/4		2 1/4		2 1/4	
2 1/2	2,397.88	2 1/2	2,010.34	2 1/2	1,622.80	2 1/2	1,235.26	2 1/2	847.71	2 1/2	460.55	2 1/2	73.04	2 1/2		2 1/2		2 1/2	
3/4	2,389.81	3/4	2,002.27	3/4	1,614.72	3/4	1,227.18	3/4	839.64	3/4	452.47	3/4	65.25	3/4		3/4		3/4	
3	2,381.73	3	1,994.19	3	1,606.65	3	1,219.11	3	831.57	3	444.40	3	57.47	3		3		3	
1 1/4	2,373.66	1 1/4	1,986.12	1 1/4	1,598.58	1 1/4	1,211.03	1 1/4	823.49	1 1/4	436.33	1 1/4	49.68	1 1/4		1 1/4		1 1/4	
1 1/2	2,365.59	1 1/2	1,978.04	1 1/2	1,590.50	1 1/2	1,202.96	1 1/2	815.42	1 1/2	428.25	1 1/2	41.90	1 1/2		1 1/2		1 1/2	
3/4	2,357.51	3/4	1,969.97	3/4	1,582.43	3/4	1,194.89	3/4	807.35	3/4	420.18	3/4	36.13	3/4		3/4		3/4	
4	2,349.44	4	1,961.90	4	1,574.35	4	1,186.81	4	799.29	4	412.11	4	30.37	4		4		4	
1 1/4	2,341.37	1 1/4	1,953.82	1 1/4	1,566.28	1 1/4	1,178.74	1 1/4	791.23	1 1/4	404.03	1 1/4	24.60	1 1/4		1 1/4		1 1/4	
1 1/2	2,333.29	1 1/2	1,945.75	1 1/2	1,558.21	1 1/2	1,170.66	1 1/2	783.16	1 1/2	395.96	1 1/2	18.83	1 1/2		1 1/2		1 1/2	
3/4	2,325.22	3/4	1,937.68	3/4	1,550.13	3/4	1,162.59	3/4	775.10	3/4	387.89	3/4		3/4		3/4		3/4	
5	2,317.14	5	1,929.60	5	1,542.06	5	1,154.52	5	767.04	5	379.82	5		5		5		5	
1 1/4	2,309.07	1 1/4	1,921.53	1 1/4	1,533.99	1 1/4	1,146.44	1 1/4	758.97	1 1/4	371.74	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,301.00	1 1/2	1,913.45	1 1/2	1,525.91	1 1/2	1,138.37	1 1/2	750.91	1 1/2	363.67	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,292.92	3/4	1,905.38	3/4	1,517.84	3/4	1,130.30	3/4	742.85	3/4	355.60	3/4		3/4		3/4		3/4	
6	2,284.85	6	1,897.31	6	1,509.76	6	1,122.22	6	734.78	6	347.52	6		6		6		6	
1 1/4	2,276.78	1 1/4	1,889.23	1 1/4	1,501.69	1 1/4	1,114.15	1 1/4	726.72	1 1/4	339.45	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,268.70	1 1/2	1,881.16	1 1/2	1,493.62	1 1/2	1,106.07	1 1/2	718.66	1 1/2	331.38	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,260.63	3/4	1,873.09	3/4	1,485.54	3/4	1,098.00	3/4	710.60	3/4	323.30	3/4		3/4		3/4		3/4	
7	2,252.55	7	1,865.01	7	1,477.47	7	1,089.93	7	702.54	7	315.23	7		7		7		7	
1 1/4	2,244.48	1 1/4	1,856.94	1 1/4	1,469.40	1 1/4	1,081.85	1 1/4	694.48	1 1/4	307.16	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,236.41	1 1/2	1,848.86	1 1/2	1,461.32	1 1/2	1,073.78	1 1/2	686.42	1 1/2	299.08	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,228.33	3/4	1,840.79	3/4	1,453.25	3/4	1,065.71	3/4	678.36	3/4	291.01	3/4		3/4		3/4		3/4	
8	2,220.26	8	1,832.72	8	1,445.17	8	1,057.63	8	670.30	8	282.94	8		8		8		8	
1 1/4	2,212.18	1 1/4	1,824.64	1 1/4	1,437.10	1 1/4	1,049.56	1 1/4	662.25	1 1/4	274.86	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,204.11	1 1/2	1,816.57	1 1/2	1,429.03	1 1/2	1,041.48	1 1/2	654.19	1 1/2	266.79	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,196.04	3/4	1,808.49	3/4	1,420.95	3/4	1,033.41	3/4	646.12	3/4	258.72	3/4		3/4		3/4		3/4	
9	2,187.96	9	1,800.42	9	1,412.88	9	1,025.34	9	638.06	9	250.65	9		9		9		9	
1 1/4	2,179.89	1 1/4	1,792.35	1 1/4	1,404.80	1 1/4	1,017.26	1 1/4	630.00	1 1/4	242.57	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,171.82	1 1/2	1,784.27	1 1/2	1,396.73	1 1/2	1,009.19	1 1/2	621.93	1 1/2	234.50	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,163.74	3/4	1,776.20	3/4	1,388.66	3/4	1,001.11	3/4	613.87	3/4	226.43	3/4		3/4		3/4		3/4	
10	2,155.67	10	1,768.13	10	1,380.58	10	993.04	10	605.81	10	218.35	10		10		10		10	
1 1/4	2,147.59	1 1/4	1,760.05	1 1/4	1,372.51	1 1/4	984.97	1 1/4	597.74	1 1/4	210.28	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,139.52	1 1/2	1,751.98	1 1/2	1,364.44	1 1/2	976.89	1 1/2	589.68	1 1/2	202.21	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,131.45	3/4	1,743.90	3/4	1,356.36	3/4	968.82	3/4	581.61	3/4	194.13	3/4		3/4		3/4		3/4	
11	2,123.37	11	1,735.83	11	1,348.29	11	960.75	11	573.55	11	186.06	11		11		11		11	
1 1/4	2,115.30	1 1/4	1,727.76	1 1/4	1,340.21	1 1/4	952.67	1 1/4	565.49	1 1/4	177.99	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,107.23	1 1/2	1,719.68	1 1/2	1,332.14	1 1/2	944.60	1 1/2	557.42	1 1/2	169.91	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,099.15	3/4	1,711.61	3/4	1,324.07	3/4	936.52	3/4	549.35	3/4	161.84	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
 CALCULATED: 03/30/2016 CL
 PRINTED: 04/01/2016 JS
 CANCEL AND SUPERCEDES
 ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
 http://www.pmacorp.net



BARGE "EMS 395"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,329.58	0	1,968.06	0	1,606.95	0	1,245.22	0	883.65	0	534.03	0	173.80	0	0	0	0	0	0
1/4	2,322.04	1/4	1,960.54	1/4	1,599.42	1/4	1,237.68	1/4	876.12	1/4	526.78	1/4	166.26	1/4	14	14	14	14	14
1/2	2,314.50	1/2	1,953.03	1/2	1,591.88	1/2	1,230.15	1/2	868.59	1/2	519.53	1/2	158.72	1/2	12	12	12	12	12
3/4	2,306.96	3/4	1,945.51	3/4	1,584.34	3/4	1,222.61	3/4	861.07	3/4	512.27	3/4	151.18	3/4	34	34	34	34	34
1	2,299.42	1	1,937.99	1	1,576.81	1	1,215.07	1	853.54	1	505.01	1	143.64	1	1	1	1	1	1
1/4	2,291.88	1/4	1,930.48	1/4	1,569.27	1/4	1,207.54	1/4	846.01	1/4	497.76	1/4	136.10	1/4	14	14	14	14	14
1/2	2,284.34	1/2	1,922.96	1/2	1,561.74	1/2	1,200.00	1/2	838.49	1/2	490.50	1/2	128.56	1/2	12	12	12	12	12
3/4	2,276.80	3/4	1,915.44	3/4	1,554.20	3/4	1,192.47	3/4	831.24	3/4	482.96	3/4	121.02	3/4	34	34	34	34	34
2	2,269.27	2	1,907.93	2	1,546.66	2	1,184.93	2	823.99	2	475.42	2	113.48	2	2	2	2	2	2
1/4	2,261.73	1/4	1,900.41	1/4	1,539.13	1/4	1,177.39	1/4	816.74	1/4	467.88	1/4	105.94	1/4	14	14	14	14	14
1/2	2,254.19	1/2	1,892.89	1/2	1,531.59	1/2	1,169.86	1/2	809.49	1/2	460.34	1/2	98.40	1/2	12	12	12	12	12
3/4	2,246.65	3/4	1,885.38	3/4	1,524.05	3/4	1,162.32	3/4	802.24	3/4	452.80	3/4	90.86	3/4	34	34	34	34	34
3	2,239.11	3	1,877.86	3	1,516.52	3	1,154.79	3	794.99	3	445.26	3	83.32	3	3	3	3	3	3
1/4	2,231.57	1/4	1,870.34	1/4	1,508.98	1/4	1,147.25	1/4	787.74	1/4	437.72	1/4	75.78	1/4	14	14	14	14	14
1/2	2,224.03	1/2	1,862.83	1/2	1,501.45	1/2	1,139.71	1/2	780.50	1/2	430.18	1/2	68.24	1/2	12	12	12	12	12
3/4	2,216.49	3/4	1,855.31	3/4	1,493.91	3/4	1,132.18	3/4	773.24	3/4	422.63	3/4	60.97	3/4	34	34	34	34	34
4	2,208.95	4	1,847.80	4	1,486.37	4	1,124.64	4	765.98	4	415.09	4	53.70	4	4	4	4	4	4
1/4	2,201.41	1/4	1,840.28	1/4	1,478.84	1/4	1,117.11	1/4	758.72	1/4	407.55	1/4	46.43	1/4	14	14	14	14	14
1/2	2,193.87	1/2	1,832.76	1/2	1,471.30	1/2	1,109.57	1/2	751.46	1/2	400.01	1/2	39.16	1/2	12	12	12	12	12
3/4	2,186.33	3/4	1,825.25	3/4	1,463.77	3/4	1,102.03	3/4	744.21	3/4	392.47	3/4	33.77	3/4	34	34	34	34	34
5	2,178.79	5	1,817.73	5	1,456.23	5	1,094.50	5	736.96	5	384.93	5	28.39	5	5	5	5	5	5
1/4	2,171.25	1/4	1,810.21	1/4	1,448.69	1/4	1,086.96	1/4	729.71	1/4	377.39	1/4	23.00	1/4	14	14	14	14	14
1/2	2,163.71	1/2	1,802.70	1/2	1,441.16	1/2	1,079.42	1/2	722.46	1/2	369.85	1/2	17.62	1/2	12	12	12	12	12
3/4	2,156.17	3/4	1,795.18	3/4	1,433.62	3/4	1,071.89	3/4	715.21	3/4	362.31	3/4	11.11	3/4	34	34	34	34	34
6	2,148.63	6	1,787.66	6	1,426.09	6	1,064.35	6	707.97	6	354.77	6	5.62	6	6	6	6	6	6
1/4	2,141.09	1/4	1,780.15	1/4	1,418.55	1/4	1,056.82	1/4	700.72	1/4	347.23	1/4	0.11	1/4	14	14	14	14	14
1/2	2,133.56	1/2	1,772.63	1/2	1,411.01	1/2	1,049.28	1/2	693.47	1/2	339.69	1/2	-4.38	1/2	12	12	12	12	12
3/4	2,126.02	3/4	1,765.12	3/4	1,403.48	3/4	1,041.74	3/4	686.22	3/4	332.15	3/4	-9.87	3/4	34	34	34	34	34
7	2,118.48	7	1,757.60	7	1,395.94	7	1,034.21	7	678.97	7	324.61	7	-15.36	7	7	7	7	7	7
1/4	2,110.94	1/4	1,750.08	1/4	1,388.40	1/4	1,026.67	1/4	671.72	1/4	317.07	1/4	-20.85	1/4	14	14	14	14	14
1/2	2,103.40	1/2	1,742.57	1/2	1,380.87	1/2	1,019.14	1/2	664.47	1/2	309.53	1/2	-26.34	1/2	12	12	12	12	12
3/4	2,095.87	3/4	1,735.04	3/4	1,373.33	3/4	1,011.61	3/4	657.23	3/4	301.99	3/4	-31.83	3/4	34	34	34	34	34
8	2,088.34	8	1,727.51	8	1,365.80	8	1,004.08	8	649.98	8	294.45	8	-37.32	8	8	8	8	8	8
1/4	2,080.82	1/4	1,719.98	1/4	1,358.26	1/4	996.55	1/4	642.74	1/4	286.91	1/4	-42.81	1/4	14	14	14	14	14
1/2	2,073.29	1/2	1,712.46	1/2	1,350.72	1/2	989.03	1/2	635.50	1/2	279.37	1/2	-48.30	1/2	12	12	12	12	12
3/4	2,065.77	3/4	1,704.92	3/4	1,343.19	3/4	981.50	3/4	628.25	3/4	271.83	3/4	-53.79	3/4	34	34	34	34	34
9	2,058.25	9	1,697.38	9	1,335.65	9	973.97	9	621.01	9	264.29	9	-59.28	9	9	9	9	9	9
1/4	2,050.74	1/4	1,689.85	1/4	1,328.12	1/4	966.45	1/4	613.76	1/4	256.75	1/4	-64.77	1/4	14	14	14	14	14
1/2	2,043.22	1/2	1,682.31	1/2	1,320.58	1/2	958.92	1/2	606.52	1/2	249.21	1/2	-70.26	1/2	12	12	12	12	12
3/4	2,035.71	3/4	1,674.78	3/4	1,313.04	3/4	951.39	3/4	599.27	3/4	241.67	3/4	-75.75	3/4	34	34	34	34	34
10	2,028.19	10	1,667.24	10	1,305.51	10	943.86	10	592.02	10	234.13	10	-81.24	10	10	10	10	10	10
1/4	2,020.67	1/4	1,659.70	1/4	1,297.97	1/4	936.34	1/4	584.77	1/4	226.59	1/4	-86.73	1/4	14	14	14	14	14
1/2	2,013.16	1/2	1,652.17	1/2	1,290.44	1/2	928.81	1/2	577.52	1/2	219.05	1/2	-92.22	1/2	12	12	12	12	12
3/4	2,005.64	3/4	1,644.63	3/4	1,282.90	3/4	921.28	3/4	570.27	3/4	211.51	3/4	-97.71	3/4	34	34	34	34	34
11	1,998.12	11	1,637.10	11	1,275.36	11	913.76	11	563.03	11	203.97	11	-103.20	11	11	11	11	11	11
1/4	1,990.61	1/4	1,629.56	1/4	1,267.83	1/4	906.23	1/4	555.78	1/4	196.43	1/4	-108.69	1/4	14	14	14	14	14
1/2	1,983.09	1/2	1,622.02	1/2	1,260.29	1/2	898.70	1/2	548.53	1/2	188.89	1/2	-114.18	1/2	12	12	12	12	12
3/4	1,975.57	3/4	1,614.49	3/4	1,252.75	3/4	891.18	3/4	541.28	3/4	181.35	3/4	-119.67	3/4	34	34	34	34	34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
CALCULATED: 03/30/2016 CL
PRINTED: 04/01/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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



BARGE "EMS 395"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	0	4,460.56	0	4,210.25	0	3,937.17	0	3,645.90	0	3,346.95	0	3,047.99	0	2,749.04	0	2,450.08	0	2,151.12
1/4	1/4	1/4	1/4	4,455.56	1/4	4,204.77	1/4	3,931.24	1/4	3,639.78	1/4	3,339.47	1/4	3,039.16	1/4	2,740.20	1/4	2,441.24	1/4	2,142.28
1/2	1/2	1/2	1/2	4,450.56	1/2	4,199.29	1/2	3,925.30	1/2	3,633.67	1/2	3,331.98	1/2	3,031.67	1/2	2,732.71	1/2	2,433.75	1/2	2,134.79
3/4	3/4	3/4	3/4	4,445.56	3/4	4,193.80	3/4	3,919.37	3/4	3,627.55	3/4	3,324.49	3/4	3,024.18	3/4	2,725.21	3/4	2,426.25	3/4	2,127.29
1	1	1	1	4,440.56	1	4,188.32	1	3,913.44	1	3,621.44	1	3,317.01	1	3,016.60	1	2,717.63	1	2,418.67	1	2,122.33
1/4	1/4	1/4	1/4	4,435.52	1/4	4,182.80	1/4	3,907.47	1/4	3,615.33	1/4	3,309.52	1/4	3,009.11	1/4	2,709.70	1/4	2,410.29	1/4	2,117.33
1/2	1/2	1/2	1/2	4,430.48	1/2	4,177.27	1/2	3,901.50	1/2	3,609.21	1/2	3,302.03	1/2	2,999.62	1/2	2,699.21	1/2	2,399.80	1/2	2,112.37
3/4	3/4	3/4	3/4	4,425.44	3/4	4,171.75	3/4	3,895.53	3/4	3,603.10	3/4	3,294.55	3/4	2,995.07	3/4	2,695.66	3/4	2,396.25	3/4	2,107.41
1	1	1	1	4,420.41	1	4,166.23	1	3,889.56	1	3,596.99	1	3,287.06	1	2,987.59	1	2,688.18	1	2,388.77	1	2,102.45
1/4	1/4	1/4	1/4	4,415.33	1/4	4,160.67	1/4	3,883.56	1/4	3,590.87	1/4	3,279.57	1/4	2,979.10	1/4	2,679.69	1/4	2,380.28	1/4	2,097.49
1/2	1/2	1/2	1/2	4,410.26	1/2	4,155.11	1/2	3,877.55	1/2	3,584.76	1/2	3,272.08	1/2	2,971.61	1/2	2,672.20	1/2	2,375.87	1/2	2,092.53
3/4	3/4	3/4	3/4	4,405.18	3/4	4,149.56	3/4	3,871.55	3/4	3,578.65	3/4	3,264.60	3/4	2,964.13	3/4	2,664.72	3/4	2,370.91	3/4	2,087.57
1	1	1	1	4,400.11	1	4,144.00	1	3,865.54	1	3,572.53	1	3,257.11	1	2,957.64	1	2,658.23	1	2,365.80	1	2,082.61
1/4	1/4	1/4	1/4	4,394.99	1/4	4,138.40	1/4	3,859.50	1/4	3,566.42	1/4	3,249.62	1/4	2,949.15	1/4	2,649.74	1/4	2,360.33	1/4	2,077.65
1/2	1/2	1/2	1/2	4,389.88	1/2	4,132.80	1/2	3,853.45	1/2	3,560.31	1/2	3,242.14	1/2	2,943.67	1/2	2,644.26	1/2	2,355.85	1/2	2,072.69
3/4	3/4	3/4	3/4	4,384.77	3/4	4,127.21	3/4	3,847.41	3/4	3,554.19	3/4	3,234.65	3/4	2,935.07	3/4	2,635.66	3/4	2,350.94	3/4	2,067.73
1	1	1	1	4,379.66	1	4,121.61	1	3,841.37	1	3,548.08	1	3,227.16	1	2,928.04	1	2,628.63	1	2,346.02	1	2,062.77
1/4	1/4	1/4	1/4	4,374.51	1/4	4,115.98	1/4	3,835.28	1/4	3,541.97	1/4	3,219.68	1/4	2,915.56	1/4	2,616.15	1/4	2,341.54	1/4	2,057.81
1/2	1/2	1/2	1/2	4,369.36	1/2	4,110.35	1/2	3,829.20	1/2	3,535.85	1/2	3,212.20	1/2	2,909.79	1/2	2,611.38	1/2	2,336.93	1/2	2,052.85
3/4	3/4	3/4	3/4	4,364.21	3/4	4,104.71	3/4	3,823.12	3/4	3,529.74	3/4	3,204.72	3/4	2,900.71	3/4	2,606.30	3/4	2,331.92	3/4	2,047.89
1	1	1	1	4,359.06	1	4,099.08	1	3,817.04	1	3,523.63	1	3,197.24	1	2,893.22	1	2,600.81	1	2,326.97	1	2,042.93
1/4	1/4	1/4	1/4	4,353.87	1/4	4,093.41	1/4	3,810.94	1/4	3,517.51	1/4	3,189.76	1/4	2,889.07	1/4	2,596.66	1/4	2,321.98	1/4	2,037.97
1/2	1/2	1/2	1/2	4,348.68	1/2	4,087.78	1/2	3,804.83	1/2	3,511.40	1/2	3,182.29	1/2	2,882.98	1/2	2,590.57	1/2	2,316.99	1/2	2,032.99
3/4	3/4	3/4	3/4	4,343.50	3/4	4,082.07	3/4	3,798.73	3/4	3,505.28	3/4	3,174.81	3/4	2,877.87	3/4	2,585.86	3/4	2,311.98	3/4	2,027.99
1	1	1	1	4,338.31	1	4,076.40	1	3,792.62	1	3,499.17	1	3,167.33	1	2,871.76	1	2,580.85	1	2,306.97	1	2,022.99
1/4	1/4	1/4	1/4	4,333.08	1/4	4,070.69	1/4	3,786.51	1/4	3,493.06	1/4	3,159.85	1/4	2,866.70	1/4	2,575.84	1/4	2,301.98	1/4	2,017.99
1/2	1/2	1/2	1/2	4,327.86	1/2	4,064.98	1/2	3,780.39	1/2	3,486.94	1/2	3,152.36	1/2	2,861.64	1/2	2,570.83	1/2	2,300.97	1/2	2,012.99
3/4	3/4	3/4	3/4	4,322.64	3/4	4,059.27	3/4	3,774.28	3/4	3,480.83	3/4	3,144.88	3/4	2,856.59	3/4	2,565.82	3/4	2,295.96	3/4	2,007.99
1	1	1	1	4,317.41	1	4,053.56	1	3,768.17	1	3,474.72	1	3,137.40	1	2,852.46	1	2,560.81	1	2,290.97	1	2,002.99
1/4	1/4	1/4	1/4	4,312.15	1/4	4,047.82	1/4	3,762.05	1/4	3,468.60	1/4	3,129.92	1/4	2,848.30	1/4	2,555.80	1/4	2,285.98	1/4	1,997.99
1/2	1/2	1/2	1/2	4,306.89	1/2	4,042.07	1/2	3,755.94	1/2	3,462.49	1/2	3,122.44	1/2	2,843.19	1/2	2,550.79	1/2	2,280.99	1/2	1,992.99
3/4	3/4	3/4	3/4	4,301.63	3/4	4,036.33	3/4	3,749.82	3/4	3,456.38	3/4	3,114.96	3/4	2,838.08	3/4	2,545.79	3/4	2,275.99	3/4	1,987.99
1	1	1	1	4,296.37	1	4,030.58	1	3,743.71	1	3,450.26	1	3,107.48	1	2,833.07	1	2,540.79	1	2,270.99	1	1,982.99
1/4	1/4	1/4	1/4	4,291.07	1/4	4,024.80	1/4	3,737.60	1/4	3,444.15	1/4	3,100.00	1/4	2,828.07	1/4	2,535.79	1/4	2,265.99	1/4	1,977.99
1/2	1/2	1/2	1/2	4,285.77	1/2	4,019.02	1/2	3,731.48	1/2	3,438.04	1/2	3,092.52	1/2	2,823.06	1/2	2,530.79	1/2	2,260.99	1/2	1,972.99
3/4	3/4	3/4	3/4	4,280.47	3/4	4,013.24	3/4	3,725.37	3/4	3,431.92	3/4	3,085.04	3/4	2,818.03	3/4	2,525.79	3/4	2,255.99	3/4	1,967.99
1	1	1	1	4,275.17	1	4,007.45	1	3,719.26	1	3,425.81	1	3,077.56	1	2,813.02	1	2,520.79	1	2,250.99	1	1,962.99
1/4	1/4	1/4	1/4	4,269.80	1/4	4,001.63	1/4	3,713.14	1/4	3,419.70	1/4	3,070.08	1/4	2,808.03	1/4	2,515.79	1/4	2,245.99	1/4	1,957.99
1/2	1/2	1/2	1/2	4,264.43	1/2	3,995.81	1/2	3,707.03	1/2	3,413.58	1/2	3,062.60	1/2	2,802.96	1/2	2,510.79	1/2	2,240.99	1/2	1,952.99
3/4	3/4	3/4	3/4	4,259.05	3/4	3,989.99	3/4	3,700.92	3/4	3,407.47	3/4	3,055.12	3/4	2,797.89	3/4	2,505.79	3/4	2,235.99	3/4	1,947.99
1	1	1	1	4,253.68	1	3,984.17	1	3,694.80	1	3,401.36	1	3,047.64	1	2,792.86	1	2,500.79	1	2,230.99	1	1,942.99
1/4	1/4	1/4	1/4	4,248.27	1/4	3,978.32	1/4	3,688.69	1/4	3,395.24	1/4	3,040.16	1/4	2,787.83	1/4	2,495.79	1/4	2,225.99	1/4	1,937.99
1/2	1/2	1/2	1/2	4,242.86	1/2	3,972.46	1/2	3,682.58	1/2	3,389.13	1/2	3,032.68	1/2	2,782.80	1/2	2,490.79	1/2	2,220.99	1/2	1,932.99
3/4	3/4	3/4	3/4	4,237.45	3/4	3,966.60	3/4	3,676.46	3/4	3,383.01	3/4	3,025.20	3/4	2,777.77	3/4	2,485.79	3/4	2,215.99	3/4	1,927.99
1	1	1	1	4,232.04	1	3,960.75	1	3,670.35	1	3,376.90	1	3,017.72	1	2,772.74	1	2,480.79	1	2,210.99	1	1,922.99
1/4	1/4	1/4	1/4	4,226.60	1/4	3,954.85	1/4	3,664.24	1/4	3,369.41	1/4	3,012.24	1/4	2,767.71	1/4	2,475.79	1/4	2,205.99	1/4	1,917.99
1/2	1/2	1/2	1/2	4,221.15	1/2	3,948.96	1/2	3,658.12	1/2	3,361.93	1/2	3,007.26	1/2	2,762.70	1/2	2,470.79	1/2	2,200.99	1/2	1,912.99
3/4	3/4	3/4	3/4	4,215.70	3/4	3,943.06	3/4	3,652.01	3/4	3,354.44	3/4	2,995.28	3/4	2,757.69	3/4	2,465.79	3/4	2,195.99	3/4	1,907.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 395"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,269.38	0	1,911.58	0	1,554.17	0	1,194.85	0	835.52	0	487.19	0	127.74	0		0		0	
1/4	2,261.99	1/4	1,904.17	1/4	1,546.68	1/4	1,187.36	1/4	828.26	1/4	479.70	1/4	120.25	1/4		1/4		1/4	
1/2	2,254.40	1/2	1,896.76	1/2	1,539.20	1/2	1,179.87	1/2	820.99	1/2	472.21	1/2	112.76	1/2		1/2		1/2	
3/4	2,246.91	3/4	1,889.34	3/4	1,531.71	3/4	1,172.39	3/4	813.73	3/4	464.72	3/4	105.27	3/4		3/4		3/4	
1	2,239.42	1	1,881.93	1	1,524.23	1	1,164.90	1	806.46	1	457.23	1	97.78	1		1		1	
1 1/4	2,231.93	1 1/4	1,874.52	1 1/4	1,516.74	1 1/4	1,157.42	1 1/4	799.20	1 1/4	449.75	1 1/4	90.29	1 1/4		1 1/4		1 1/4	
1 1/2	2,224.44	1 1/2	1,867.11	1 1/2	1,509.25	1 1/2	1,149.93	1 1/2	791.93	1 1/2	442.26	1 1/2	82.80	1 1/2		1 1/2		1 1/2	
3/4	2,216.95	3/4	1,859.69	3/4	1,501.77	3/4	1,142.44	3/4	784.67	3/4	434.77	3/4	75.32	3/4		3/4		3/4	
2	2,209.46	2	1,852.28	2	1,494.28	2	1,134.94	2	777.40	2	427.28	2	67.83	2		2		2	
1 1/4	2,201.97	1 1/4	1,844.87	1 1/4	1,486.80	1 1/4	1,127.47	1 1/4	770.14	1 1/4	419.79	1 1/4	60.61	1 1/4		1 1/4		1 1/4	
1 1/2	2,194.48	1 1/2	1,837.46	1 1/2	1,479.31	1 1/2	1,119.99	1 1/2	762.87	1 1/2	412.30	1 1/2	53.39	1 1/2		1 1/2		1 1/2	
3/4	2,186.99	3/4	1,830.04	3/4	1,471.82	3/4	1,112.50	3/4	755.61	3/4	404.81	3/4	46.17	3/4		3/4		3/4	
1	2,179.51	1	1,822.63	1	1,464.34	1	1,105.02	1	748.35	1	397.32	1	38.94	1		1		1	
1 1/4	2,172.02	1 1/4	1,815.22	1 1/4	1,456.85	1 1/4	1,097.53	1 1/4	741.09	1 1/4	389.84	1 1/4	33.59	1 1/4		1 1/4		1 1/4	
1 1/2	2,164.53	1 1/2	1,807.81	1 1/2	1,449.37	1 1/2	1,090.04	1 1/2	733.84	1 1/2	382.35	1 1/2	28.23	1 1/2		1 1/2		1 1/2	
3/4	2,157.04	3/4	1,800.40	3/4	1,441.88	3/4	1,082.56	3/4	726.58	3/4	374.86	3/4	22.88	3/4		3/4		3/4	
4	2,149.55	4	1,792.98	4	1,434.39	4	1,075.07	4	719.33	4	367.37	4	17.52	4		4		4	
1 1/4	2,142.06	1 1/4	1,785.57	1 1/4	1,426.91	1 1/4	1,067.59	1 1/4	712.07	1 1/4	359.88	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,134.57	1 1/2	1,778.16	1 1/2	1,419.42	1 1/2	1,060.10	1 1/2	704.82	1 1/2	352.39	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,127.08	3/4	1,770.75	3/4	1,411.94	3/4	1,052.61	3/4	697.56	3/4	344.90	3/4		3/4		3/4		3/4	
5	2,119.59	5	1,763.33	5	1,404.45	5	1,045.13	5	690.31	5	337.42	5	5	5		5		5	
1 1/4	2,112.10	1 1/4	1,755.92	1 1/4	1,396.97	1 1/4	1,037.64	1 1/4	683.06	1 1/4	329.93	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,104.61	1 1/2	1,748.51	1 1/2	1,389.48	1 1/2	1,030.16	1 1/2	675.80	1 1/2	322.44	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,097.12	3/4	1,741.10	3/4	1,381.99	3/4	1,022.67	3/4	668.55	3/4	314.95	3/4		3/4		3/4		3/4	
6	2,089.63	6	1,733.68	6	1,374.51	6	1,015.18	6	661.29	6	307.46	6	6	6		6		6	
1 1/4	2,082.14	1 1/4	1,726.23	1 1/4	1,367.02	1 1/4	1,007.70	1 1/4	654.04	1 1/4	299.97	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,074.65	1 1/2	1,718.72	1 1/2	1,359.54	1 1/2	1,000.21	1 1/2	646.79	1 1/2	292.48	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,067.16	3/4	1,711.34	3/4	1,352.05	3/4	992.73	3/4	639.54	3/4	285.00	3/4		3/4		3/4		3/4	
7	2,059.67	7	1,703.89	7	1,344.56	7	985.24	7	632.29	7	277.51	7	7	7		7		7	
1 1/4	2,052.18	1 1/4	1,696.40	1 1/4	1,337.08	1 1/4	977.76	1 1/4	625.04	1 1/4	270.02	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,044.69	1 1/2	1,688.92	1 1/2	1,329.59	1 1/2	970.27	1 1/2	617.79	1 1/2	262.53	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,037.20	3/4	1,681.43	3/4	1,322.11	3/4	962.78	3/4	610.54	3/4	255.04	3/4		3/4		3/4		3/4	
8	2,030.18	8	1,673.94	8	1,314.62	8	955.30	8	603.29	8	247.55	8	8	8		8		8	
1 1/4	2,022.77	1 1/4	1,666.46	1 1/4	1,307.13	1 1/4	947.81	1 1/4	596.04	1 1/4	240.06	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,015.35	1 1/2	1,658.97	1 1/2	1,299.65	1 1/2	940.33	1 1/2	588.79	1 1/2	232.58	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,007.94	3/4	1,651.49	3/4	1,292.16	3/4	932.84	3/4	581.53	3/4	225.09	3/4		3/4		3/4		3/4	
9	2,000.53	9	1,644.00	9	1,284.68	9	925.35	9	574.28	9	217.60	9	9	9		9		9	
1 1/4	1,993.12	1 1/4	1,636.51	1 1/4	1,277.19	1 1/4	917.87	1 1/4	567.02	1 1/4	210.11	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,985.71	1 1/2	1,629.03	1 1/2	1,269.71	1 1/2	910.38	1 1/2	559.77	1 1/2	202.62	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,978.29	3/4	1,621.54	3/4	1,262.22	3/4	902.90	3/4	552.51	3/4	195.13	3/4		3/4		3/4		3/4	
10	1,970.88	10	1,614.06	10	1,254.73	10	895.41	10	545.26	10	187.64	10	10	10		10		10	
1 1/4	1,963.47	1 1/4	1,606.57	1 1/4	1,247.25	1 1/4	887.92	1 1/4	538.00	1 1/4	180.16	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,956.06	1 1/2	1,599.08	1 1/2	1,239.76	1 1/2	880.44	1 1/2	530.75	1 1/2	172.67	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,948.64	3/4	1,591.60	3/4	1,232.28	3/4	872.95	3/4	523.50	3/4	165.18	3/4		3/4		3/4		3/4	
11	1,941.23	11	1,584.11	11	1,224.79	11	865.47	11	516.24	11	157.69	11		11		11		11	
1 1/4	1,933.82	1 1/4	1,576.63	1 1/4	1,217.30	1 1/4	857.98	1 1/4	508.98	1 1/4	150.20	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,926.41	1 1/2	1,569.14	1 1/2	1,209.82	1 1/2	850.49	1 1/2	501.71	1 1/2	142.71	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,918.99	3/4	1,561.66	3/4	1,202.33	3/4	843.01	3/4	494.45	3/4	135.22	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2016 SW
 CALCULATED: 03/30/2016 CL
 PRINTED: 04/01/2016 JS

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

CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2016

