



# BARGE "KIRBY 29022"

ULLAGE TRIM TABLE  
FORMERLY "SCF 1202"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(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 - 00-0/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

June 12, 2012

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

<http://www.pmacorp.net>



# BARGE "KIRBY 29022"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,750.05	0	4,392.59	0	4,034.19	0	3,675.67	0	3,317.16	0	2,958.65	0	2,600.07	0	2,241.45
1/4		1/4		1/4	4,742.61	1/4	4,385.14	1/4	4,026.72	1/4	3,668.21	1/4	3,309.69	1/4	2,951.18	1/4	2,592.60	1/4	2,233.98
1/2		1/2		1/2	4,735.16	1/2	4,377.69	1/2	4,019.25	1/2	3,660.74	1/2	3,302.22	1/2	2,943.71	1/2	2,585.12	1/2	2,226.51
3/4		3/4		3/4	4,727.71	3/4	4,370.25	3/4	4,011.78	3/4	3,653.27	3/4	3,294.76	3/4	2,936.24	3/4	2,577.65	3/4	2,219.04
1		1		1	4,720.27	1	4,362.80	1	4,004.31	1	3,645.80	1	3,287.29	1	2,928.77	1	2,570.18	1	2,211.56
1/4		1/4		1/4	4,712.82	1/4	4,355.34	1/4	3,996.84	1/4	3,638.33	1/4	3,279.82	1/4	2,921.31	1/4	2,562.71	1/4	2,204.09
1/2		1/2		1/2	4,705.37	1/2	4,347.87	1/2	3,989.37	1/2	3,630.86	1/2	3,272.35	1/2	2,913.84	1/2	2,555.24	1/2	2,196.62
3/4		3/4		3/4	4,697.92	3/4	4,340.41	3/4	3,981.90	3/4	3,623.39	3/4	3,264.88	3/4	2,906.37	3/4	2,547.77	3/4	2,189.15
2		2		2	4,690.48	2	4,332.95	2	3,974.43	2	3,615.92	2	3,257.41	2	2,898.90	2	2,540.30	2	2,181.68
1/4		1/4		1/4	5,029.47	1/4	4,683.03	1/4	4,325.48	1/4	3,966.97	1/4	3,608.45	1/4	3,249.94	1/4	2,891.43	1/4	2,532.83
1/2		1/2		1/2	5,024.20	1/2	4,675.58	1/2	4,318.01	1/2	3,959.50	1/2	3,600.98	1/2	3,242.47	1/2	2,883.96	1/2	2,525.36
3/4		3/4		3/4	5,018.93	3/4	4,668.14	3/4	4,310.54	3/4	3,952.03	3/4	3,593.52	3/4	3,235.00	3/4	2,876.49	3/4	2,517.88
3		3		3	5,013.66	3	4,660.69	3	4,303.07	3	3,944.56	3	3,586.05	3	3,227.53	3	2,869.02	3	2,510.41
1/4		1/4		1/4	5,007.14	1/4	4,653.24	1/4	4,295.60	1/4	3,937.09	1/4	3,578.58	1/4	3,220.07	1/4	2,861.55	1/4	2,502.94
1/2		1/2		1/2	5,000.63	1/2	4,645.79	1/2	4,288.13	1/2	3,929.62	1/2	3,571.11	1/2	3,212.60	1/2	2,854.08	1/2	2,495.47
3/4		3/4		3/4	4,994.12	3/4	4,638.35	3/4	4,280.66	3/4	3,922.15	3/4	3,563.64	3/4	3,205.13	3/4	2,846.61	3/4	2,488.00
4		4		4	4,987.60	4	4,630.90	4	4,273.19	4	3,914.68	4	3,556.17	4	3,197.66	4	2,839.15	4	2,480.53
1/4		1/4		1/4	4,980.34	1/4	4,623.45	1/4	4,265.73	1/4	3,907.21	1/4	3,548.70	1/4	3,190.19	1/4	2,831.67	1/4	2,473.06
1/2		1/2		1/2	4,973.07	1/2	4,616.00	1/2	4,258.26	1/2	3,899.74	1/2	3,541.23	1/2	3,182.72	1/2	2,824.20	1/2	2,465.59
3/4		3/4		3/4	4,965.80	3/4	4,608.56	3/4	4,250.79	3/4	3,892.28	3/4	3,533.76	3/4	3,175.25	3/4	2,816.73	3/4	2,458.11
5		5		5	4,958.54	5	4,601.11	5	4,243.32	5	3,884.81	5	3,526.29	5	3,167.78	5	2,809.26	5	2,450.64
1/4		1/4		1/4	4,951.10	1/4	4,593.66	1/4	4,235.85	1/4	3,877.34	1/4	3,518.83	1/4	3,160.31	1/4	2,801.79	1/4	2,443.17
1/2		1/2		1/2	4,943.67	1/2	4,586.22	1/2	4,228.38	1/2	3,869.87	1/2	3,511.36	1/2	3,152.84	1/2	2,794.32	1/2	2,435.70
3/4		3/4		3/4	4,936.24	3/4	4,578.77	3/4	4,220.91	3/4	3,862.40	3/4	3,503.89	3/4	3,145.38	3/4	2,786.85	3/4	2,428.23
6		6		6	4,928.80	6	4,571.32	6	4,213.44	6	3,854.93	6	3,496.42	6	3,137.91	6	2,779.38	6	2,420.76
1/4		1/4		1/4	4,921.36	1/4	4,563.87	1/4	4,205.97	1/4	3,847.46	1/4	3,488.95	1/4	3,130.44	1/4	2,771.90	1/4	2,413.29
1/2		1/2		1/2	4,913.91	1/2	4,556.43	1/2	4,198.50	1/2	3,839.99	1/2	3,481.48	1/2	3,122.97	1/2	2,764.43	1/2	2,405.82
3/4		3/4		3/4	4,906.46	3/4	4,548.98	3/4	4,191.04	3/4	3,832.52	3/4	3,474.01	3/4	3,115.50	3/4	2,756.96	3/4	2,398.34
7		7		7	4,899.02	7	4,541.53	7	4,183.57	7	3,825.05	7	3,466.54	7	3,108.03	7	2,749.49	7	2,390.87
1/4		1/4		1/4	4,891.57	1/4	4,534.09	1/4	4,176.10	1/4	3,817.59	1/4	3,459.07	1/4	3,100.56	1/4	2,742.02	1/4	2,383.40
1/2		1/2		1/2	4,884.12	1/2	4,526.64	1/2	4,168.63	1/2	3,810.12	1/2	3,451.60	1/2	3,093.09	1/2	2,734.55	1/2	2,375.93
3/4		3/4		3/4	4,876.67	3/4	4,519.19	3/4	4,161.16	3/4	3,802.65	3/4	3,444.14	3/4	3,085.62	3/4	2,727.08	3/4	2,368.46
8		8		8	4,869.22	8	4,511.74	8	4,153.69	8	3,795.18	8	3,436.67	8	3,078.15	8	2,719.61	8	2,360.99
1/4		1/4		1/4	4,861.77	1/4	4,504.30	1/4	4,146.22	1/4	3,787.71	1/4	3,429.20	1/4	3,070.69	1/4	2,712.14	1/4	2,353.52
1/2		1/2		1/2	4,854.32	1/2	4,496.85	1/2	4,138.75	1/2	3,780.24	1/2	3,421.73	1/2	3,063.22	1/2	2,704.66	1/2	2,346.05
3/4		3/4		3/4	4,846.87	3/4	4,489.40	3/4	4,131.28	3/4	3,772.77	3/4	3,414.26	3/4	3,055.75	3/4	2,697.19	3/4	2,338.58
9		9		9	4,839.42	9	4,481.96	9	4,123.81	9	3,765.30	9	3,406.79	9	3,048.28	9	2,689.72	9	2,331.10
1/4		1/4		1/4	4,831.98	1/4	4,474.51	1/4	4,116.35	1/4	3,757.83	1/4	3,399.32	1/4	3,040.81	1/4	2,682.25	1/4	2,323.63
1/2		1/2		1/2	4,824.53	1/2	4,467.06	1/2	4,108.88	1/2	3,750.36	1/2	3,391.85	1/2	3,033.34	1/2	2,674.78	1/2	2,316.16
3/4		3/4		3/4	4,817.08	3/4	4,459.61	3/4	4,101.41	3/4	3,742.90	3/4	3,384.38	3/4	3,025.87	3/4	2,667.31	3/4	2,308.69
10		10		10	4,809.63	10	4,452.17	10	4,093.94	10	3,735.43	10	3,376.91	10	3,018.40	10	2,659.84	10	2,301.22
1/4		1/4		1/4	4,802.18	1/4	4,444.72	1/4	4,086.47	1/4	3,727.96	1/4	3,369.45	1/4	3,010.93	1/4	2,652.37	1/4	2,293.75
1/2		1/2		1/2	4,794.74	1/2	4,437.27	1/2	4,079.00	1/2	3,720.49	1/2	3,361.98	1/2	3,003.46	1/2	2,644.89	1/2	2,286.28
3/4		3/4		3/4	4,787.29	3/4	4,429.82	3/4	4,071.53	3/4	3,713.02	3/4	3,354.51	3/4	2,996.00	3/4	2,637.42	3/4	2,278.81
11		11		11	4,779.84	11	4,422.38	11	4,064.06	11	3,705.55	11	3,347.04	11	2,988.53	11	2,629.95	11	2,271.33
1/4		1/4		1/4	4,772.40	1/4	4,414.93	1/4	4,056.59	1/4	3,698.08	1/4	3,339.57	1/4	2,981.06	1/4	2,622.48	1/4	2,263.86
1/2		1/2		1/2	4,764.95	1/2	4,407.48	1/2	4,049.12	1/2	3,690.61	1/2	3,332.10	1/2	2,973.59	1/2	2,615.01	1/2	2,256.39
3/4		3/4		3/4	4,757.50	3/4	4,400.04	3/4	4,041.66	3/4	3,683.14	3/4	3,324.63	3/4	2,966.12	3/4	2,607.54	3/4	2,248.92

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.  
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29022"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,882.83	0	1,524.21	0	1,165.60	0	807.51	0	449.07	0	117.51	0		0		0		0	
1/4	1,875.36	1/4	1,516.74	1/4	1,158.13	1/4	800.04	1/4	441.70	1/4	111.14	1/4		1/4		1/4		1/4	
1/2	1,867.89	1/2	1,509.27	1/2	1,150.65	1/2	792.58	1/2	434.34	1/2	104.78	1/2		1/2		1/2		1/2	
3/4	1,860.42	3/4	1,501.80	3/4	1,143.18	3/4	785.12	3/4	426.97	3/4	98.41	3/4		3/4		3/4		3/4	
1	1,852.95	1	1,494.33	1	1,135.71	1	777.66	1	419.61	1	92.05	1		1		1		1	
1/4	1,845.48	1/4	1,486.86	1/4	1,128.24	1/4	770.19	1/4	412.32	1/4	85.78	1/4		1/4		1/4		1/4	
1/2	1,838.00	1/2	1,479.39	1/2	1,120.77	1/2	762.72	1/2	405.04	1/2	79.50	1/2		1/2		1/2		1/2	
3/4	1,830.53	3/4	1,471.92	3/4	1,113.30	3/4	755.25	3/4	397.76	3/4	73.23	3/4		3/4		3/4		3/4	
2	1,823.06	2	1,464.44	2	1,105.83	2	747.78	2	390.47	2	66.96	2		2		2		2	
1/4	1,815.59	1/4	1,456.97	1/4	1,098.36	1/4	740.31	1/4	383.27	1/4	60.79	1/4		1/4		1/4		1/4	
1/2	1,808.12	1/2	1,449.50	1/2	1,090.89	1/2	732.84	1/2	376.07	1/2	54.62	1/2		1/2		1/2		1/2	
3/4	1,800.65	3/4	1,442.03	3/4	1,083.42	3/4	725.37	3/4	368.87	3/4	48.45	3/4		3/4		3/4		3/4	
3	1,793.18	3	1,434.56	3	1,075.96	3	717.90	3	361.67	3	42.28	3		3		3		3	
1/4	1,785.71	1/4	1,427.09	1/4	1,068.49	1/4	710.43	1/4	354.56	1/4	36.88	1/4		1/4		1/4		1/4	
1/2	1,778.24	1/2	1,419.62	1/2	1,061.03	1/2	702.96	1/2	347.44	1/2	31.47	1/2		1/2		1/2		1/2	
3/4	1,770.76	3/4	1,412.15	3/4	1,053.57	3/4	695.49	3/4	340.32	3/4	26.07	3/4		3/4		3/4		3/4	
4	1,763.29	4	1,404.68	4	1,046.11	4	688.02	4	333.21	4	20.67	4		4		4		4	
1/4	1,755.82	1/4	1,397.20	1/4	1,038.65	1/4	680.54	1/4	326.18	1/4	16.97	1/4		1/4		1/4		1/4	
1/2	1,748.35	1/2	1,389.73	1/2	1,031.19	1/2	673.07	1/2	319.14	1/2	13.27	1/2		1/2		1/2		1/2	
3/4	1,740.88	3/4	1,382.26	3/4	1,023.73	3/4	665.60	3/4	312.11	3/4	9.58	3/4		3/4		3/4		3/4	
5	1,733.41	5	1,374.79	5	1,016.27	5	658.13	5	305.08	5	5.88	5		5		5		5	
1/4	1,725.94	1/4	1,367.32	1/4	1,008.81	1/4	650.66	1/4	298.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.47	1/2	1,359.85	1/2	1,001.36	1/2	643.19	1/2	291.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,710.99	3/4	1,352.38	3/4	993.90	3/4	635.72	3/4	284.23	3/4		3/4		3/4		3/4		3/4	
6	1,703.52	6	1,344.91	6	986.44	6	628.25	6	277.28	6		6		6		6		6	
1/4	1,696.05	1/4	1,337.43	1/4	978.99	1/4	620.78	1/4	270.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,688.58	1/2	1,329.96	1/2	971.53	1/2	613.31	1/2	263.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,681.11	3/4	1,322.49	3/4	964.08	3/4	605.84	3/4	256.68	3/4		3/4		3/4		3/4		3/4	
7	1,673.64	7	1,315.02	7	956.62	7	598.36	7	249.82	7		7		7		7		7	
1/4	1,666.17	1/4	1,307.55	1/4	949.16	1/4	590.89	1/4	243.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,658.70	1/2	1,300.08	1/2	941.71	1/2	583.42	1/2	236.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,651.22	3/4	1,292.61	3/4	934.25	3/4	575.95	3/4	229.47	3/4		3/4		3/4		3/4		3/4	
8	1,643.75	8	1,285.14	8	926.80	8	568.48	8	222.69	8		8		8		8		8	
1/4	1,636.28	1/4	1,277.66	1/4	919.34	1/4	561.01	1/4	215.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,628.81	1/2	1,270.19	1/2	911.89	1/2	553.54	1/2	209.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,621.34	3/4	1,262.72	3/4	904.43	3/4	546.07	3/4	202.59	3/4		3/4		3/4		3/4		3/4	
9	1,613.87	9	1,255.25	9	896.97	9	538.60	9	195.89	9		9		9		9		9	
1/4	1,606.40	1/4	1,247.78	1/4	889.52	1/4	531.13	1/4	189.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,598.93	1/2	1,240.31	1/2	882.06	1/2	523.66	1/2	182.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,591.46	3/4	1,232.84	3/4	874.61	3/4	516.19	3/4	176.04	3/4		3/4		3/4		3/4		3/4	
10	1,583.98	10	1,225.37	10	867.15	10	508.71	10	169.43	10		10		10		10		10	
1/4	1,576.51	1/4	1,217.90	1/4	859.70	1/4	501.24	1/4	162.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,569.04	1/2	1,210.42	1/2	852.24	1/2	493.77	1/2	156.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,561.57	3/4	1,202.95	3/4	844.78	3/4	486.30	3/4	149.83	3/4		3/4		3/4		3/4		3/4	
11	1,554.10	11	1,195.48	11	837.33	11	478.83	11	143.30	11		11		11		11		11	
1/4	1,546.63	1/4	1,188.01	1/4	829.87	1/4	471.39	1/4	136.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,539.16	1/2	1,180.54	1/2	822.42	1/2	463.95	1/2	130.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,531.69	3/4	1,173.07	3/4	814.96	3/4	456.51	3/4	123.95	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29022"

# 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,749.97	0	4,391.36	0	4,032.74	0	3,674.12	0	3,315.50	0	2,956.89	0	2,598.27	0	2,239.65
1/4		1/4		1/4	4,742.50	1/4	4,383.89	1/4	4,025.27	1/4	3,666.65	1/4	3,308.03	1/4	2,949.41	1/4	2,590.80	1/4	2,232.18
1/2		1/2		1/2	4,735.03	1/2	4,376.41	1/2	4,017.80	1/2	3,659.18	1/2	3,300.56	1/2	2,941.94	1/2	2,583.33	1/2	2,224.71
3/4		3/4		3/4	4,727.56	3/4	4,368.94	3/4	4,010.33	3/4	3,651.71	3/4	3,293.09	3/4	2,934.47	3/4	2,575.85	3/4	2,217.24
1		1		1	4,720.09	1	4,361.47	1	4,002.85	1	3,644.24	1	3,285.62	1	2,927.00	1	2,568.38	1	2,209.77
1/4		1/4		1/4	4,712.62	1/4	4,354.00	1/4	3,995.38	1/4	3,636.77	1/4	3,278.15	1/4	2,919.53	1/4	2,560.91	1/4	2,202.29
1/2		1/2		1/2	4,705.15	1/2	4,346.53	1/2	3,987.91	1/2	3,629.29	1/2	3,270.68	1/2	2,912.06	1/2	2,553.44	1/2	2,194.82
3/4		3/4		3/4	4,697.68	3/4	4,339.06	3/4	3,980.44	3/4	3,621.82	3/4	3,263.21	3/4	2,904.59	3/4	2,545.97	3/4	2,187.35
2		2		2	4,690.20	2	4,331.59	2	3,972.97	2	3,614.35	2	3,255.73	2	2,897.12	2	2,538.50	2	2,179.88
1/4		1/4		1/4	5,030.24	1/4	4,682.73	1/4	4,324.12	1/4	3,965.50	1/4	3,606.88	1/4	3,248.26	1/4	2,889.65	1/4	2,531.03
1/2		1/2		1/2	5,024.95	1/2	4,675.26	1/2	4,316.64	1/2	3,958.03	1/2	3,599.41	1/2	3,240.79	1/2	2,882.17	1/2	2,523.56
3/4		3/4		3/4	5,019.66	3/4	4,667.79	3/4	4,309.17	3/4	3,950.56	3/4	3,591.94	3/4	3,233.32	3/4	2,874.70	3/4	2,516.09
3		3		3	5,014.36	3	4,660.32	3	4,301.70	3	3,943.08	3	3,584.47	3	3,225.85	3	2,867.23	3	2,508.61
1/4		1/4		1/4	5,007.83	1/4	4,652.85	1/4	4,294.23	1/4	3,935.61	1/4	3,577.00	1/4	3,218.38	1/4	2,859.76	1/4	2,501.14
1/2		1/2		1/2	5,001.29	1/2	4,645.38	1/2	4,286.76	1/2	3,928.14	1/2	3,569.52	1/2	3,210.91	1/2	2,852.29	1/2	2,493.67
3/4		3/4		3/4	4,994.76	3/4	4,637.91	3/4	4,279.29	3/4	3,920.67	3/4	3,562.05	3/4	3,203.44	3/4	2,844.82	3/4	2,486.20
4		4		4	4,988.22	4	4,630.43	4	4,271.82	4	3,913.20	4	3,554.58	4	3,195.96	4	2,837.35	4	2,478.73
1/4		1/4		1/4	4,980.93	1/4	4,622.96	1/4	4,264.35	1/4	3,905.73	1/4	3,547.11	1/4	3,188.49	1/4	2,829.88	1/4	2,471.26
1/2		1/2		1/2	4,973.64	1/2	4,615.49	1/2	4,256.87	1/2	3,898.26	1/2	3,539.64	1/2	3,181.02	1/2	2,822.40	1/2	2,463.79
3/4		3/4		3/4	4,966.35	3/4	4,608.02	3/4	4,249.40	3/4	3,890.79	3/4	3,532.17	3/4	3,173.55	3/4	2,814.93	3/4	2,456.32
5		5		5	4,959.07	5	4,600.55	5	4,241.93	5	3,883.31	5	3,524.70	5	3,166.08	5	2,807.46	5	2,448.84
1/4		1/4		1/4	4,951.61	1/4	4,593.08	1/4	4,234.46	1/4	3,875.84	1/4	3,517.23	1/4	3,158.61	1/4	2,799.99	1/4	2,441.37
1/2		1/2		1/2	4,944.16	1/2	4,585.61	1/2	4,226.99	1/2	3,868.37	1/2	3,509.75	1/2	3,151.14	1/2	2,792.52	1/2	2,433.90
3/4		3/4		3/4	4,936.70	3/4	4,578.14	3/4	4,219.52	3/4	3,860.90	3/4	3,502.28	3/4	3,143.67	3/4	2,785.05	3/4	2,426.43
6		6		6	4,929.25	6	4,570.67	6	4,212.05	6	3,853.43	6	3,494.81	6	3,136.19	6	2,777.58	6	2,418.96
1/4		1/4		1/4	4,921.78	1/4	4,563.19	1/4	4,204.58	1/4	3,845.96	1/4	3,487.34	1/4	3,128.72	1/4	2,770.11	1/4	2,411.49
1/2		1/2		1/2	4,914.32	1/2	4,555.72	1/2	4,197.11	1/2	3,838.49	1/2	3,479.87	1/2	3,121.25	1/2	2,762.63	1/2	2,404.02
3/4		3/4		3/4	4,906.85	3/4	4,548.25	3/4	4,189.63	3/4	3,831.02	3/4	3,472.40	3/4	3,113.78	3/4	2,755.16	3/4	2,396.55
7		7		7	4,899.38	7	4,540.78	7	4,182.16	7	3,823.55	7	3,464.93	7	3,106.31	7	2,747.69	7	2,389.07
1/4		1/4		1/4	4,891.92	1/4	4,533.31	1/4	4,174.69	1/4	3,816.07	1/4	3,457.46	1/4	3,098.84	1/4	2,740.22	1/4	2,381.60
1/2		1/2		1/2	4,884.45	1/2	4,525.84	1/2	4,167.22	1/2	3,808.60	1/2	3,449.99	1/2	3,091.37	1/2	2,732.75	1/2	2,374.13
3/4		3/4		3/4	4,876.98	3/4	4,518.37	3/4	4,159.75	3/4	3,801.13	3/4	3,442.51	3/4	3,083.90	3/4	2,725.28	3/4	2,366.66
8		8		8	4,869.51	8	4,510.90	8	4,152.28	8	3,793.66	8	3,435.04	8	3,076.43	8	2,717.81	8	2,359.19
1/4		1/4		1/4	4,862.04	1/4	4,503.42	1/4	4,144.81	1/4	3,786.19	1/4	3,427.57	1/4	3,068.95	1/4	2,710.34	1/4	2,351.72
1/2		1/2		1/2	4,854.57	1/2	4,495.95	1/2	4,137.34	1/2	3,778.72	1/2	3,420.10	1/2	3,061.48	1/2	2,702.87	1/2	2,344.25
3/4		3/4		3/4	4,847.10	3/4	4,488.48	3/4	4,129.86	3/4	3,771.25	3/4	3,412.63	3/4	3,054.01	3/4	2,695.39	3/4	2,336.78
9		9		9	4,839.63	9	4,481.01	9	4,122.39	9	3,763.78	9	3,405.16	9	3,046.54	9	2,687.92	9	2,329.31
1/4		1/4		1/4	4,832.16	1/4	4,473.54	1/4	4,114.92	1/4	3,756.30	1/4	3,397.69	1/4	3,039.07	1/4	2,680.45	1/4	2,321.83
1/2		1/2		1/2	4,824.69	1/2	4,466.07	1/2	4,107.45	1/2	3,748.83	1/2	3,390.22	1/2	3,031.60	1/2	2,672.98	1/2	2,314.36
3/4		3/4		3/4	4,817.21	3/4	4,458.60	3/4	4,099.98	3/4	3,741.36	3/4	3,382.74	3/4	3,024.13	3/4	2,665.51	3/4	2,306.89
10		10		10	4,809.74	10	4,451.13	10	4,092.51	10	3,733.89	10	3,375.27	10	3,016.66	10	2,658.04	10	2,299.42
1/4		1/4		1/4	4,802.27	1/4	4,443.65	1/4	4,085.04	1/4	3,726.42	1/4	3,367.80	1/4	3,009.18	1/4	2,650.57	1/4	2,291.95
1/2		1/2		1/2	4,794.80	1/2	4,436.18	1/2	4,077.57	1/2	3,718.95	1/2	3,360.33	1/2	3,001.71	1/2	2,643.10	1/2	2,284.48
3/4		3/4		3/4	4,787.33	3/4	4,428.71	3/4	4,070.09	3/4	3,711.48	3/4	3,352.86	3/4	2,994.24	3/4	2,635.62	3/4	2,277.01
11		11		11	4,779.86	11	4,421.24	11	4,062.62	11	3,704.01	11	3,345.39	11	2,986.77	11	2,628.15	11	2,269.54
1/4		1/4		1/4	4,772.39	1/4	4,413.77	1/4	4,055.15	1/4	3,696.53	1/4	3,337.92	1/4	2,979.30	1/4	2,620.68	1/4	2,262.06
1/2		1/2		1/2	4,764.92	1/2	4,406.30	1/2	4,047.68	1/2	3,689.06	1/2	3,330.45	1/2	2,971.83	1/2	2,613.21	1/2	2,254.59
3/4		3/4		3/4	4,757.45	3/4	4,398.83	3/4	4,040.21	3/4	3,681.59	3/4	3,322.97	3/4	2,964.36	3/4	2,605.74	3/4	2,247.12

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 EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 29022"

**1 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,881.03	0	1,522.42	0	1,163.80	0	807.38	0	449.08	0	117.51	0		0		0		0	
1/4	1,873.56	1/4	1,514.94	1/4	1,156.34	1/4	799.95	1/4	441.71	1/4	111.14	1/4		1/4		1/4		1/4	
1/2	1,866.09	1/2	1,507.47	1/2	1,148.88	1/2	792.52	1/2	434.35	1/2	104.78	1/2		1/2		1/2		1/2	
3/4	1,858.62	3/4	1,500.00	3/4	1,141.42	3/4	785.08	3/4	426.98	3/4	98.42	3/4		3/4		3/4		3/4	
1	1,851.15	1	1,492.53	1	1,133.96	1	777.65	1	419.61	1	92.05	1		1		1		1	
1/4	1,843.68	1/4	1,485.06	1/4	1,126.51	1/4	770.19	1/4	412.33	1/4	85.78	1/4		1/4		1/4		1/4	
1/2	1,836.21	1/2	1,477.59	1/2	1,119.07	1/2	762.72	1/2	405.05	1/2	79.50	1/2		1/2		1/2		1/2	
3/4	1,828.73	3/4	1,470.12	3/4	1,111.63	3/4	755.26	3/4	397.76	3/4	73.23	3/4		3/4		3/4		3/4	
2	1,821.26	2	1,462.65	2	1,104.18	2	747.80	2	390.48	2	66.96	2		2		2		2	
1/4	1,813.79	1/4	1,455.17	1/4	1,096.74	1/4	740.32	1/4	383.28	1/4	60.79	1/4		1/4		1/4		1/4	
1/2	1,806.32	1/2	1,447.70	1/2	1,089.30	1/2	732.85	1/2	376.08	1/2	54.62	1/2		1/2		1/2		1/2	
3/4	1,798.85	3/4	1,440.23	3/4	1,081.86	3/4	725.38	3/4	368.88	3/4	48.45	3/4		3/4		3/4		3/4	
3	1,791.38	3	1,432.76	3	1,074.42	3	717.91	3	361.68	3	42.28	3		3		3		3	
1/4	1,783.91	1/4	1,425.29	1/4	1,066.98	1/4	710.44	1/4	354.57	1/4	36.88	1/4		1/4		1/4		1/4	
1/2	1,776.44	1/2	1,417.82	1/2	1,059.54	1/2	702.97	1/2	347.45	1/2	31.47	1/2		1/2		1/2		1/2	
3/4	1,768.97	3/4	1,410.35	3/4	1,052.10	3/4	695.50	3/4	340.33	3/4	26.07	3/4		3/4		3/4		3/4	
4	1,761.49	4	1,402.88	4	1,044.66	4	688.03	4	333.22	4	20.66	4		4		4		4	
1/4	1,754.02	1/4	1,395.41	1/4	1,037.23	1/4	680.56	1/4	326.18	1/4	16.97	1/4		1/4		1/4		1/4	
1/2	1,746.55	1/2	1,387.93	1/2	1,029.80	1/2	673.09	1/2	319.15	1/2	13.27	1/2		1/2		1/2		1/2	
3/4	1,739.08	3/4	1,380.46	3/4	1,022.37	3/4	665.61	3/4	312.12	3/4	9.57	3/4		3/4		3/4		3/4	
5	1,731.61	5	1,372.99	5	1,014.94	5	658.14	5	305.09	5	5.88	5		5		5		5	
1/4	1,724.14	1/4	1,365.52	1/4	1,007.52	1/4	650.67	1/4	298.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.67	1/2	1,358.05	1/2	1,000.11	1/2	643.20	1/2	291.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.20	3/4	1,350.58	3/4	992.69	3/4	635.73	3/4	284.24	3/4		3/4		3/4		3/4		3/4	
6	1,701.72	6	1,343.11	6	985.27	6	628.26	6	277.29	6		6		6		6		6	
1/4	1,694.25	1/4	1,335.64	1/4	977.86	1/4	620.79	1/4	270.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,686.78	1/2	1,328.16	1/2	970.45	1/2	613.32	1/2	263.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.31	3/4	1,320.69	3/4	963.04	3/4	605.85	3/4	256.69	3/4		3/4		3/4		3/4		3/4	
7	1,671.84	7	1,313.22	7	955.63	7	598.38	7	249.82	7		7		7		7		7	
1/4	1,664.37	1/4	1,305.75	1/4	948.21	1/4	590.90	1/4	243.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,656.90	1/2	1,298.28	1/2	940.80	1/2	583.43	1/2	236.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.43	3/4	1,290.81	3/4	933.39	3/4	575.96	3/4	229.48	3/4		3/4		3/4		3/4		3/4	
8	1,641.95	8	1,283.34	8	925.98	8	568.49	8	222.69	8		8		8		8		8	
1/4	1,634.48	1/4	1,275.87	1/4	918.57	1/4	561.02	1/4	215.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,627.01	1/2	1,268.39	1/2	911.15	1/2	553.55	1/2	209.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,619.54	3/4	1,260.92	3/4	903.74	3/4	546.08	3/4	202.60	3/4		3/4		3/4		3/4		3/4	
9	1,612.07	9	1,253.45	9	896.33	9	538.61	9	195.90	9		9		9		9		9	
1/4	1,604.60	1/4	1,245.98	1/4	888.92	1/4	531.14	1/4	189.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,597.13	1/2	1,238.51	1/2	881.51	1/2	523.67	1/2	182.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,589.66	3/4	1,231.04	3/4	874.09	3/4	516.19	3/4	176.05	3/4		3/4		3/4		3/4		3/4	
10	1,582.19	10	1,223.57	10	866.68	10	508.72	10	169.43	10		10		10		10		10	
1/4	1,574.71	1/4	1,216.10	1/4	859.27	1/4	501.25	1/4	162.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,567.24	1/2	1,208.63	1/2	851.86	1/2	493.78	1/2	156.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,559.77	3/4	1,201.15	3/4	844.45	3/4	486.31	3/4	149.84	3/4		3/4		3/4		3/4		3/4	
11	1,552.30	11	1,193.68	11	837.03	11	478.84	11	143.30	11		11		11		11		11	
1/4	1,544.83	1/4	1,186.21	1/4	829.62	1/4	471.40	1/4	136.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,537.36	1/2	1,178.74	1/2	822.21	1/2	463.96	1/2	130.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,529.89	3/4	1,171.27	3/4	814.80	3/4	456.52	3/4	123.96	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29022"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,840.66	0	4,481.98	0	4,122.38	0	3,762.65	0	3,402.92	0	3,043.19	0	2,683.37	0	2,323.54
1/4		1/4		1/4	4,833.19	1/4	4,474.50	1/4	4,114.89	1/4	3,755.16	1/4	3,395.43	1/4	3,035.69	1/4	2,675.88	1/4	2,316.05
1/2		1/2		1/2	4,825.72	1/2	4,467.03	1/2	4,107.39	1/2	3,747.66	1/2	3,387.93	1/2	3,028.20	1/2	2,668.38	1/2	2,308.55
3/4		3/4		3/4	4,818.24	3/4	4,459.56	3/4	4,099.90	3/4	3,740.17	3/4	3,380.44	3/4	3,020.71	3/4	2,660.88	3/4	2,301.05
1		1		1	4,810.77	1	4,452.09	1	4,092.40	1	3,732.67	1	3,372.94	1	3,013.21	1	2,653.39	1	2,293.56
1/4		1/4		1/4	4,803.30	1/4	4,444.61	1/4	4,084.91	1/4	3,725.18	1/4	3,365.45	1/4	3,005.72	1/4	2,645.89	1/4	2,286.06
1/2		1/2		1/2	4,795.83	1/2	4,437.13	1/2	4,077.42	1/2	3,717.68	1/2	3,357.95	1/2	2,998.22	1/2	2,638.40	1/2	2,278.56
3/4		3/4		3/4	4,788.35	3/4	4,429.64	3/4	4,069.92	3/4	3,710.19	3/4	3,350.46	3/4	2,990.73	3/4	2,630.90	3/4	2,271.07
2		2		2	4,780.88	2	4,422.15	2	4,062.43	2	3,702.70	2	3,342.96	2	2,983.23	2	2,623.40	2	2,263.57
1/4		1/4		1/4	4,773.41	1/4	4,414.66	1/4	4,054.93	1/4	3,695.20	1/4	3,335.47	1/4	2,975.74	1/4	2,615.91	1/4	2,256.07
1/2		1/2		1/2	5,113.55	1/2	4,765.94	1/2	4,407.17	1/2	4,047.44	1/2	3,687.71	1/2	3,327.98	1/2	2,968.24	1/2	2,248.58
3/4		3/4		3/4	5,108.26	3/4	4,758.46	3/4	4,399.67	3/4	4,039.94	3/4	3,680.21	3/4	3,320.48	3/4	2,960.75	3/4	2,241.08
3		3		3	5,102.97	3	4,750.99	3	4,392.18	3	4,032.45	3	3,672.72	3	3,312.99	3	2,953.26	3	2,233.58
1/4		1/4		1/4	5,097.69	1/4	4,743.52	1/4	4,384.69	1/4	4,024.95	1/4	3,665.22	1/4	3,305.49	1/4	2,945.76	1/4	2,226.09
1/2		1/2		1/2	5,091.15	1/2	4,736.04	1/2	4,377.19	1/2	4,017.46	1/2	3,657.73	1/2	3,298.00	1/2	2,938.26	1/2	2,218.59
3/4		3/4		3/4	5,084.61	3/4	4,728.57	3/4	4,369.70	3/4	4,009.97	3/4	3,650.23	3/4	3,290.50	3/4	2,930.76	3/4	2,211.09
4		4		4	5,078.08	4	4,721.10	4	4,362.20	4	4,002.47	4	3,642.74	4	3,283.01	4	2,923.26	4	2,203.60
1/4		1/4		1/4	5,071.54	1/4	4,713.63	1/4	4,354.71	1/4	3,994.98	1/4	3,635.25	1/4	3,275.51	1/4	2,915.77	1/4	2,196.10
1/2		1/2		1/2	5,064.25	1/2	4,706.15	1/2	4,347.21	1/2	3,987.48	1/2	3,627.75	1/2	3,268.02	1/2	2,908.27	1/2	2,188.60
3/4		3/4		3/4	5,056.96	3/4	4,698.68	3/4	4,339.72	3/4	3,979.99	3/4	3,620.26	3/4	3,260.53	3/4	2,900.77	3/4	2,181.11
5		5		5	5,049.67	5	4,691.21	5	4,332.23	5	3,972.49	5	3,612.76	5	3,253.03	5	2,893.28	5	2,173.61
1/4		1/4		1/4	5,042.37	1/4	4,683.74	1/4	4,324.73	1/4	3,965.00	1/4	3,605.27	1/4	3,245.54	1/4	2,885.78	1/4	2,166.12
1/2		1/2		1/2	5,034.92	1/2	4,676.26	1/2	4,317.24	1/2	3,957.51	1/2	3,597.77	1/2	3,238.04	1/2	2,878.28	1/2	2,158.62
3/4		3/4		3/4	5,027.46	3/4	4,668.79	3/4	4,309.74	3/4	3,950.01	3/4	3,590.28	3/4	3,230.55	3/4	2,870.79	3/4	2,151.12
6		6		6	5,020.00	6	4,661.32	6	4,302.25	6	3,942.52	6	3,582.79	6	3,223.05	6	2,863.29	6	2,143.63
1/4		1/4		1/4	5,012.54	1/4	4,653.85	1/4	4,294.75	1/4	3,935.02	1/4	3,575.29	1/4	3,215.56	1/4	2,855.79	1/4	2,136.13
1/2		1/2		1/2	5,005.07	1/2	4,646.37	1/2	4,287.26	1/2	3,927.53	1/2	3,567.80	1/2	3,208.07	1/2	2,848.30	1/2	2,128.63
3/4		3/4		3/4	4,997.60	3/4	4,638.90	3/4	4,279.76	3/4	3,920.03	3/4	3,560.30	3/4	3,200.57	3/4	2,840.80	3/4	2,121.14
7		7		7	4,990.13	7	4,631.43	7	4,272.27	7	3,912.54	7	3,552.81	7	3,193.08	7	2,833.30	7	2,113.64
1/4		1/4		1/4	4,982.66	1/4	4,623.96	1/4	4,264.78	1/4	3,905.04	1/4	3,545.31	1/4	3,185.58	1/4	2,825.81	1/4	2,106.14
1/2		1/2		1/2	4,975.18	1/2	4,616.48	1/2	4,257.28	1/2	3,897.55	1/2	3,537.82	1/2	3,178.09	1/2	2,818.31	1/2	2,098.65
3/4		3/4		3/4	4,967.71	3/4	4,609.01	3/4	4,249.79	3/4	3,890.06	3/4	3,530.32	3/4	3,170.59	3/4	2,810.81	3/4	2,091.15
8		8		8	4,960.24	8	4,601.54	8	4,242.29	8	3,882.56	8	3,522.83	8	3,163.10	8	2,803.32	8	2,083.65
1/4		1/4		1/4	4,952.76	1/4	4,594.07	1/4	4,234.80	1/4	3,875.07	1/4	3,515.34	1/4	3,155.60	1/4	2,795.82	1/4	2,076.16
1/2		1/2		1/2	4,945.29	1/2	4,586.59	1/2	4,227.30	1/2	3,867.57	1/2	3,507.84	1/2	3,148.11	1/2	2,788.33	1/2	2,068.66
3/4		3/4		3/4	4,937.81	3/4	4,579.12	3/4	4,219.81	3/4	3,860.08	3/4	3,500.35	3/4	3,140.62	3/4	2,780.83	3/4	2,061.16
9		9		9	4,930.34	9	4,571.65	9	4,212.31	9	3,852.58	9	3,492.85	9	3,133.12	9	2,773.33	9	2,053.67
1/4		1/4		1/4	4,922.86	1/4	4,564.18	1/4	4,204.82	1/4	3,845.09	1/4	3,485.36	1/4	3,125.63	1/4	2,765.84	1/4	2,046.17
1/2		1/2		1/2	4,915.39	1/2	4,556.70	1/2	4,197.33	1/2	3,837.59	1/2	3,477.86	1/2	3,118.13	1/2	2,758.34	1/2	2,038.67
3/4		3/4		3/4	4,907.92	3/4	4,549.23	3/4	4,189.83	3/4	3,830.10	3/4	3,470.37	3/4	3,110.64	3/4	2,750.84	3/4	2,031.18
10		10		10	4,900.44	10	4,541.76	10	4,182.34	10	3,822.61	10	3,462.87	10	3,103.14	10	2,743.35	10	2,023.68
1/4		1/4		1/4	4,892.97	1/4	4,534.28	1/4	4,174.84	1/4	3,815.11	1/4	3,455.38	1/4	3,095.65	1/4	2,735.85	1/4	2,016.19
1/2		1/2		1/2	4,885.50	1/2	4,526.81	1/2	4,167.35	1/2	3,807.62	1/2	3,447.89	1/2	3,088.15	1/2	2,728.35	1/2	2,008.69
3/4		3/4		3/4	4,878.02	3/4	4,519.34	3/4	4,159.85	3/4	3,800.12	3/4	3,440.39	3/4	3,080.66	3/4	2,720.86	3/4	2,001.19
11		11		11	4,870.55	11	4,511.87	11	4,152.36	11	3,792.63	11	3,432.90	11	3,073.17	11	2,713.36	11	1,993.70
1/4		1/4		1/4	4,863.08	1/4	4,504.39	1/4	4,144.87	1/4	3,785.13	1/4	3,425.40	1/4	3,065.67	1/4	2,705.86	1/4	1,986.20
1/2		1/2		1/2	4,855.61	1/2	4,496.92	1/2	4,137.37	1/2	3,777.64	1/2	3,417.91	1/2	3,058.18	1/2	2,698.37	1/2	1,978.70
3/4		3/4		3/4	4,848.13	3/4	4,489.45	3/4	4,129.88	3/4	3,770.15	3/4	3,410.41	3/4	3,050.68	3/4	2,690.87	3/4	1,971.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 29022"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,963.71	0	1,603.88	0	1,244.05	0	884.72	0	524.96	0	165.14	0		0		0		0	
1/4	1,956.21	1/4	1,596.38	1/4	1,236.55	1/4	877.24	1/4	517.46	1/4	157.64	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,948.72	1/2	1,588.88	1/2	1,229.05	1/2	869.75	1/2	509.97	1/2	150.14	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,941.22	3/4	1,581.39	3/4	1,221.56	3/4	862.27	3/4	502.47	3/4	142.65	3/4		3/4	3/4		3/4	3/4	3/4
1	1,933.72	1	1,573.89	1	1,214.06	1	854.78	1	494.97	1	135.15	1		1		1		1	
1/4	1,926.23	1/4	1,566.40	1/4	1,206.56	1/4	847.29	1/4	487.48	1/4	127.66	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,918.73	1/2	1,558.90	1/2	1,199.07	1/2	839.80	1/2	479.98	1/2	120.17	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,911.23	3/4	1,551.40	3/4	1,191.57	3/4	832.30	3/4	472.48	3/4	112.68	3/4		3/4	3/4		3/4	3/4	3/4
2	1,903.74	2	1,543.91	2	1,184.07	2	824.81	2	464.99	2	105.19	2		2		2		2	
1/4	1,896.24	1/4	1,536.41	1/4	1,176.58	1/4	817.31	1/4	457.49	1/4	97.71	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,888.74	1/2	1,528.91	1/2	1,169.08	1/2	809.82	1/2	449.99	1/2	90.24	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,881.25	3/4	1,521.42	3/4	1,161.59	3/4	802.32	3/4	442.50	3/4	82.77	3/4		3/4	3/4		3/4	3/4	3/4
3	1,873.75	3	1,513.92	3	1,154.10	3	794.82	3	435.00	3	75.31	3		3		3		3	
1/4	1,866.26	1/4	1,506.42	1/4	1,146.61	1/4	787.33	1/4	427.51	1/4	67.84	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,858.76	1/2	1,498.93	1/2	1,139.12	1/2	779.83	1/2	420.01	1/2	61.06	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,851.26	3/4	1,491.43	3/4	1,131.63	3/4	772.34	3/4	412.51	3/4	54.27	3/4		3/4	3/4		3/4	3/4	3/4
4	1,843.77	4	1,483.93	4	1,124.14	4	764.84	4	405.02	4	47.49	4		4		4		4	
1/4	1,836.27	1/4	1,476.44	1/4	1,116.65	1/4	757.34	1/4	397.52	1/4	40.71	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,828.77	1/2	1,468.94	1/2	1,109.17	1/2	749.85	1/2	390.02	1/2	35.55	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,821.28	3/4	1,461.44	3/4	1,101.68	3/4	742.35	3/4	382.53	3/4	30.40	3/4		3/4	3/4		3/4	3/4	3/4
5	1,813.78	5	1,453.95	5	1,094.20	5	734.85	5	375.03	5	25.25	5		5		5		5	
1/4	1,806.28	1/4	1,446.45	1/4	1,086.71	1/4	727.36	1/4	367.54	1/4	20.09	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,798.79	1/2	1,438.95	1/2	1,079.23	1/2	719.86	1/2	360.04	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,791.29	3/4	1,431.46	3/4	1,071.75	3/4	712.37	3/4	352.54	3/4		3/4		3/4	3/4		3/4	3/4	3/4
6	1,783.79	6	1,423.96	6	1,064.27	6	704.87	6	345.05	6		6		6		6		6	
1/4	1,776.30	1/4	1,416.47	1/4	1,056.78	1/4	697.37	1/4	337.55	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,768.80	1/2	1,408.97	1/2	1,049.30	1/2	689.88	1/2	330.05	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,761.30	3/4	1,401.47	3/4	1,041.82	3/4	682.38	3/4	322.56	3/4		3/4		3/4	3/4		3/4	3/4	3/4
7	1,753.81	7	1,393.98	7	1,034.34	7	674.88	7	315.06	7		7		7		7		7	
1/4	1,746.31	1/4	1,386.48	1/4	1,026.86	1/4	667.39	1/4	307.57	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,738.81	1/2	1,378.98	1/2	1,019.38	1/2	659.89	1/2	300.07	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,731.32	3/4	1,371.49	3/4	1,011.90	3/4	652.39	3/4	292.57	3/4		3/4		3/4	3/4		3/4	3/4	3/4
8	1,723.82	8	1,363.99	8	1,004.42	8	644.90	8	285.08	8		8		8		8		8	
1/4	1,716.33	1/4	1,356.49	1/4	996.94	1/4	637.40	1/4	277.58	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,708.83	1/2	1,349.00	1/2	989.46	1/2	629.91	1/2	270.08	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,701.33	3/4	1,341.50	3/4	981.97	3/4	622.41	3/4	262.59	3/4		3/4		3/4	3/4		3/4	3/4	3/4
9	1,693.84	9	1,334.00	9	974.49	9	614.91	9	255.09	9		9		9		9		9	
1/4	1,686.34	1/4	1,326.51	1/4	967.01	1/4	607.42	1/4	247.59	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,678.84	1/2	1,319.01	1/2	959.53	1/2	599.92	1/2	240.10	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,671.35	3/4	1,311.51	3/4	952.05	3/4	592.42	3/4	232.60	3/4		3/4		3/4	3/4		3/4	3/4	3/4
10	1,663.85	10	1,304.02	10	944.57	10	584.93	10	225.11	10		10		10		10		10	
1/4	1,656.35	1/4	1,296.52	1/4	937.09	1/4	577.43	1/4	217.61	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,648.86	1/2	1,289.02	1/2	929.61	1/2	569.94	1/2	210.11	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,641.36	3/4	1,281.53	3/4	922.13	3/4	562.44	3/4	202.62	3/4		3/4		3/4	3/4		3/4	3/4	3/4
11	1,633.86	11	1,274.03	11	914.65	11	554.94	11	195.12	11		11		11		11		11	
1/4	1,626.37	1/4	1,266.54	1/4	907.16	1/4	547.45	1/4	187.62	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,618.87	1/2	1,259.04	1/2	899.68	1/2	539.95	1/2	180.13	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,611.37	3/4	1,251.54	3/4	892.20	3/4	532.45	3/4	172.63	3/4		3/4		3/4	3/4		3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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





# BARGE "KIRBY 29022"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0	4,850.93	0	4,491.09	0	4,131.25	0	3,771.42	0	3,411.58	0	3,051.74	0	2,691.90	0	2,332.07		
1/4		1/4		1/4	4,843.43	1/4	4,483.59	1/4	4,123.76	1/4	3,763.92	1/4	3,404.08	1/4	3,044.25	1/4	2,684.41	1/4	2,324.57		
1/2		1/2		1/2	4,835.93	1/2	4,476.10	1/2	4,116.26	1/2	3,756.42	1/2	3,396.59	1/2	3,036.75	1/2	2,676.91	1/2	2,317.07		
3/4		3/4		3/4	4,828.44	3/4	4,468.60	3/4	4,108.76	3/4	3,748.93	3/4	3,389.09	3/4	3,029.25	3/4	2,669.42	3/4	2,309.58		
1		1		1	4,820.94	1	4,461.10	1	4,101.27	1	3,741.43	1	3,381.59	1	3,021.76	1	2,661.92	1	2,302.08		
1/4		1/4		1/4	4,813.44	1/4	4,453.61	1/4	4,093.77	1/4	3,733.93	1/4	3,374.10	1/4	3,014.26	1/4	2,654.42	1/4	2,294.59		
1/2		1/2		1/2	4,805.95	1/2	4,446.11	1/2	4,086.27	1/2	3,726.44	1/2	3,366.60	1/2	3,006.76	1/2	2,646.93	1/2	2,287.09		
3/4		3/4		3/4	4,798.45	3/4	4,438.61	3/4	4,078.78	3/4	3,718.94	3/4	3,359.10	3/4	2,999.27	3/4	2,639.43	3/4	2,279.59		
2		2		2	4,790.95	2	4,431.12	2	4,071.28	2	3,711.44	2	3,351.61	2	2,991.77	2	2,631.93	2	2,272.10		
1/4		1/4		1/4	4,783.46	1/4	4,423.62	1/4	4,063.78	1/4	3,703.95	1/4	3,344.11	1/4	2,984.27	1/4	2,624.44	1/4	2,264.60		
1/2		1/2		1/2	4,775.96	1/2	4,416.12	1/2	4,056.29	1/2	3,696.45	1/2	3,336.61	1/2	2,976.78	1/2	2,616.94	1/2	2,257.10		
3/4		3/4		3/4	4,768.46	3/4	4,408.63	3/4	4,048.79	3/4	3,688.95	3/4	3,329.12	3/4	2,969.28	3/4	2,609.44	3/4	2,249.61		
3		3		3	4,760.97	3	4,401.13	3	4,041.29	3	3,681.46	3	3,321.62	3	2,961.78	3	2,601.95	3	2,242.11		
1/4		1/4		1/4	5,102.16	1/4	4,753.47	1/4	4,393.63	1/4	4,033.80	1/4	3,673.96	1/4	3,314.12	1/4	2,954.29	1/4	2,594.45	1/4	2,234.61
1/2		1/2		1/2	5,096.85	1/2	4,745.97	1/2	4,386.14	1/2	4,026.30	1/2	3,666.46	1/2	3,306.63	1/2	2,946.79	1/2	2,586.95	1/2	2,227.12
3/4		3/4		3/4	5,091.54	3/4	4,738.48	3/4	4,378.64	3/4	4,018.80	3/4	3,658.97	3/4	3,299.13	3/4	2,939.29	3/4	2,579.46	3/4	2,219.62
4		4		4	5,086.23	4	4,730.98	4	4,371.14	4	4,011.31	4	3,651.47	4	3,291.63	4	2,931.80	4	2,571.96	4	2,212.12
1/4		1/4		1/4	5,079.67	1/4	4,723.48	1/4	4,363.65	1/4	4,003.81	1/4	3,643.97	1/4	3,284.14	1/4	2,924.30	1/4	2,564.46	1/4	2,204.63
1/2		1/2		1/2	5,073.11	1/2	4,715.99	1/2	4,356.15	1/2	3,996.31	1/2	3,636.48	1/2	3,276.64	1/2	2,916.80	1/2	2,556.97	1/2	2,197.13
3/4		3/4		3/4	5,066.56	3/4	4,708.49	3/4	4,348.65	3/4	3,988.82	3/4	3,628.98	3/4	3,269.14	3/4	2,909.31	3/4	2,549.47	3/4	2,189.63
5		5		5	5,060.00	5	4,700.99	5	4,341.16	5	3,981.32	5	3,621.48	5	3,261.65	5	2,901.81	5	2,541.97	5	2,182.14
1/4		1/4		1/4	5,052.68	1/4	4,693.50	1/4	4,333.66	1/4	3,973.82	1/4	3,613.99	1/4	3,254.15	1/4	2,894.31	1/4	2,534.48	1/4	2,174.64
1/2		1/2		1/2	5,045.37	1/2	4,686.00	1/2	4,326.16	1/2	3,966.33	1/2	3,606.49	1/2	3,246.65	1/2	2,886.82	1/2	2,526.98	1/2	2,167.14
3/4		3/4		3/4	5,038.06	3/4	4,678.50	3/4	4,318.67	3/4	3,958.83	3/4	3,598.99	3/4	3,239.16	3/4	2,879.32	3/4	2,519.48	3/4	2,159.65
6		6		6	5,030.74	6	4,671.01	6	4,311.17	6	3,951.33	6	3,591.50	6	3,231.66	6	2,871.82	6	2,511.99	6	2,152.15
1/4		1/4		1/4	5,023.26	1/4	4,663.51	1/4	4,303.67	1/4	3,943.84	1/4	3,584.00	1/4	3,224.16	1/4	2,864.33	1/4	2,504.49	1/4	2,144.65
1/2		1/2		1/2	5,015.78	1/2	4,656.01	1/2	4,296.18	1/2	3,936.34	1/2	3,576.50	1/2	3,216.67	1/2	2,856.83	1/2	2,496.99	1/2	2,137.16
3/4		3/4		3/4	5,008.30	3/4	4,648.52	3/4	4,288.68	3/4	3,928.84	3/4	3,569.01	3/4	3,209.17	3/4	2,849.33	3/4	2,489.50	3/4	2,129.66
7		7		7	5,000.82	7	4,641.02	7	4,281.18	7	3,921.35	7	3,561.51	7	3,201.67	7	2,841.84	7	2,482.00	7	2,122.16
1/4		1/4		1/4	4,993.33	1/4	4,633.52	1/4	4,273.69	1/4	3,913.85	1/4	3,554.01	1/4	3,194.18	1/4	2,834.34	1/4	2,474.50	1/4	2,114.67
1/2		1/2		1/2	4,985.84	1/2	4,626.03	1/2	4,266.19	1/2	3,906.35	1/2	3,546.52	1/2	3,186.68	1/2	2,826.84	1/2	2,467.01	1/2	2,107.17
3/4		3/4		3/4	4,978.34	3/4	4,618.53	3/4	4,258.69	3/4	3,898.86	3/4	3,539.02	3/4	3,179.18	3/4	2,819.35	3/4	2,459.51	3/4	2,099.67
8		8		8	4,970.85	8	4,611.03	8	4,251.20	8	3,891.36	8	3,531.52	8	3,171.69	8	2,811.85	8	2,452.01	8	2,092.18
1/4		1/4		1/4	4,963.36	1/4	4,603.54	1/4	4,243.70	1/4	3,883.86	1/4	3,524.03	1/4	3,164.19	1/4	2,804.35	1/4	2,444.52	1/4	2,084.68
1/2		1/2		1/2	4,955.87	1/2	4,596.04	1/2	4,236.20	1/2	3,876.37	1/2	3,516.53	1/2	3,156.69	1/2	2,796.86	1/2	2,437.02	1/2	2,077.18
3/4		3/4		3/4	4,948.38	3/4	4,588.54	3/4	4,228.71	3/4	3,868.87	3/4	3,509.03	3/4	3,149.20	3/4	2,789.36	3/4	2,429.52	3/4	2,069.69
9		9		9	4,940.88	9	4,581.05	9	4,221.21	9	3,861.37	9	3,501.54	9	3,141.70	9	2,781.86	9	2,422.03	9	2,062.19
1/4		1/4		1/4	4,933.39	1/4	4,573.55	1/4	4,213.71	1/4	3,853.88	1/4	3,494.04	1/4	3,134.20	1/4	2,774.37	1/4	2,414.53	1/4	2,054.69
1/2		1/2		1/2	4,925.89	1/2	4,566.05	1/2	4,206.22	1/2	3,846.38	1/2	3,486.54	1/2	3,126.71	1/2	2,766.87	1/2	2,407.03	1/2	2,047.20
3/4		3/4		3/4	4,918.40	3/4	4,558.56	3/4	4,198.72	3/4	3,838.88	3/4	3,479.05	3/4	3,119.21	3/4	2,759.37	3/4	2,399.54	3/4	2,039.70
10		10		10	4,910.90	10	4,551.06	10	4,191.22	10	3,831.39	10	3,471.55	10	3,111.71	10	2,751.88	10	2,392.04	10	2,032.20
1/4		1/4		1/4	4,903.40	1/4	4,543.57	1/4	4,183.73	1/4	3,823.89	1/4	3,464.05	1/4	3,104.22	1/4	2,744.38	1/4	2,384.54	1/4	2,024.71
1/2		1/2		1/2	4,895.91	1/2	4,536.07	1/2	4,176.23	1/2	3,816.39	1/2	3,456.56	1/2	3,096.72	1/2	2,736.88	1/2	2,377.05	1/2	2,017.21
3/4		3/4		3/4	4,888.41	3/4	4,528.57	3/4	4,168.74	3/4	3,808.90	3/4	3,449.06	3/4	3,089.22	3/4	2,729.39	3/4	2,369.55	3/4	2,009.71
11		11		11	4,880.91	11	4,521.08	11	4,161.24	11	3,801.40	11	3,441.56	11	3,081.73	11	2,721.89	11	2,362.05	11	2,002.22
1/4		1/4		1/4	4,873.42	1/4	4,513.58	1/4	4,153.74	1/4	3,793.91	1/4	3,434.07	1/4	3,074.23	1/4	2,714.39	1/4	2,354.56	1/4	1,994.72
1/2		1/2		1/2	4,865.92	1/2	4,506.08	1/2	4,146.25	1/2	3,786.41	1/2	3,426.57	1/2	3,066.73	1/2	2,706.90	1/2	2,347.06	1/2	1,987.22
3/4		3/4		3/4	4,858.42	3/4	4,498.59	3/4	4,138.75	3/4	3,778.91	3/4	3,419.08	3/4	3,059.24	3/4	2,699.40	3/4	2,339.56	3/4	1,979.73

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 29022"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,972.23	0	1,612.39	0	1,252.56	0	905.08	0	547.44	0	187.62	0		0		0		0	
1/4	1,964.73	1/4	1,604.90	1/4	1,245.06	1/4	897.90	1/4	539.95	1/4	180.12	1/4		1/4		1/4		1/4	
1/2	1,957.24	1/2	1,597.40	1/2	1,237.56	1/2	890.71	1/2	532.45	1/2	172.63	1/2		1/2		1/2		1/2	
3/4	1,949.74	3/4	1,589.90	3/4	1,230.07	3/4	883.53	3/4	524.95	3/4	165.13	3/4		3/4		3/4		3/4	
1	1,942.24	1	1,582.41	1	1,222.57	1	876.35	1	517.46	1	157.64	1		1		1		1	
1/4	1,934.75	1/4	1,574.91	1/4	1,215.18	1/4	869.04	1/4	509.96	1/4	150.14	1/4		1/4		1/4		1/4	
1/2	1,927.25	1/2	1,567.41	1/2	1,207.79	1/2	861.74	1/2	502.47	1/2	142.64	1/2		1/2		1/2		1/2	
3/4	1,919.76	3/4	1,559.92	3/4	1,200.40	3/4	854.44	3/4	494.97	3/4	135.15	3/4		3/4		3/4		3/4	
2	1,912.26	2	1,552.42	2	1,193.01	2	847.14	2	487.47	2	127.65	2		2		2		2	
1/4	1,904.76	1/4	1,544.93	1/4	1,185.76	1/4	839.68	1/4	479.98	1/4	120.17	1/4		1/4		1/4		1/4	
1/2	1,897.27	1/2	1,537.43	1/2	1,178.51	1/2	832.23	1/2	472.48	1/2	112.68	1/2		1/2		1/2		1/2	
3/4	1,889.77	3/4	1,529.93	3/4	1,171.27	3/4	824.77	3/4	464.98	3/4	105.19	3/4		3/4		3/4		3/4	
3	1,882.27	3	1,522.44	3	1,164.02	3	817.31	3	457.49	3	97.70	3		3		3		3	
1/4	1,874.78	1/4	1,514.94	1/4	1,156.81	1/4	809.81	1/4	449.99	1/4	90.24	1/4		1/4		1/4		1/4	
1/2	1,867.28	1/2	1,507.44	1/2	1,149.59	1/2	802.32	1/2	442.49	1/2	82.77	1/2		1/2		1/2		1/2	
3/4	1,859.78	3/4	1,499.95	3/4	1,142.38	3/4	794.82	3/4	435.00	3/4	75.30	3/4		3/4		3/4		3/4	
4	1,852.29	4	1,492.45	4	1,135.17	4	787.32	4	427.50	4	67.84	4		4		4		4	
1/4	1,844.79	1/4	1,484.95	1/4	1,127.96	1/4	779.83	1/4	420.01	1/4	61.05	1/4		1/4		1/4		1/4	
1/2	1,837.29	1/2	1,477.46	1/2	1,120.74	1/2	772.33	1/2	412.51	1/2	54.27	1/2		1/2		1/2		1/2	
3/4	1,829.80	3/4	1,469.96	3/4	1,113.53	3/4	764.84	3/4	405.01	3/4	47.49	3/4		3/4		3/4		3/4	
5	1,822.30	5	1,462.46	5	1,106.32	5	757.34	5	397.52	5	40.70	5		5		5		5	
1/4	1,814.80	1/4	1,454.97	1/4	1,099.12	1/4	749.84	1/4	390.02	1/4	35.55	1/4		1/4		1/4		1/4	
1/2	1,807.31	1/2	1,447.47	1/2	1,091.91	1/2	742.35	1/2	382.52	1/2	30.40	1/2		1/2		1/2		1/2	
3/4	1,799.81	3/4	1,439.97	3/4	1,084.71	3/4	734.85	3/4	375.03	3/4	25.24	3/4		3/4		3/4		3/4	
6	1,792.31	6	1,432.48	6	1,077.51	6	727.35	6	367.53	6	20.09	6		6		6		6	
1/4	1,784.82	1/4	1,424.98	1/4	1,070.32	1/4	719.86	1/4	360.04	1/4	15.00	1/4		1/4		1/4		1/4	
1/2	1,777.32	1/2	1,417.48	1/2	1,063.14	1/2	712.36	1/2	352.54	1/2	10.00	1/2		1/2		1/2		1/2	
3/4	1,769.82	3/4	1,409.99	3/4	1,055.95	3/4	704.87	3/4	345.04	3/4	5.00	3/4		3/4		3/4		3/4	
7	1,762.33	7	1,402.49	7	1,048.76	7	697.37	7	337.55	7	0.00	7		7		7		7	
1/4	1,754.83	1/4	1,394.99	1/4	1,041.58	1/4	689.87	1/4	330.05	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,747.33	1/2	1,387.50	1/2	1,034.39	1/2	682.38	1/2	322.55	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,739.84	3/4	1,380.00	3/4	1,027.21	3/4	674.88	3/4	315.06	3/4	0.00	3/4		3/4		3/4		3/4	
8	1,732.34	8	1,372.50	8	1,020.03	8	667.38	8	307.56	8	0.00	8		8		8		8	
1/4	1,724.84	1/4	1,365.01	1/4	1,012.84	1/4	659.89	1/4	300.06	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,717.35	1/2	1,357.51	1/2	1,005.66	1/2	652.39	1/2	292.57	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,709.85	3/4	1,350.01	3/4	998.47	3/4	644.89	3/4	285.07	3/4	0.00	3/4		3/4		3/4		3/4	
9	1,702.35	9	1,342.52	9	991.29	9	637.40	9	277.58	9	0.00	9		9		9		9	
1/4	1,694.86	1/4	1,335.02	1/4	984.11	1/4	629.90	1/4	270.08	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,687.36	1/2	1,327.52	1/2	976.92	1/2	622.41	1/2	262.58	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,679.86	3/4	1,320.03	3/4	969.74	3/4	614.91	3/4	255.09	3/4	0.00	3/4		3/4		3/4		3/4	
10	1,672.37	10	1,312.53	10	962.55	10	607.41	10	247.59	10	0.00	10		10		10		10	
1/4	1,664.87	1/4	1,305.03	1/4	955.37	1/4	599.92	1/4	240.09	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,657.37	1/2	1,297.54	1/2	948.19	1/2	592.42	1/2	232.60	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,649.88	3/4	1,290.04	3/4	941.00	3/4	584.92	3/4	225.10	3/4	0.00	3/4		3/4		3/4		3/4	
11	1,642.38	11	1,282.54	11	933.82	11	577.43	11	217.61	11	0.00	11		11		11		11	
1/4	1,634.88	1/4	1,275.05	1/4	926.63	1/4	569.93	1/4	210.11	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,627.39	1/2	1,267.55	1/2	919.45	1/2	562.44	1/2	202.61	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,619.89	3/4	1,260.05	3/4	912.27	3/4	554.94	3/4	195.12	3/4	0.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29022"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,452.57	0	4,205.58	0	3,958.00	0	3,710.31	0	3,396.09	0	3,038.36	0	2,680.55	0	2,322.59
1/4		1/4		1/4	4,447.42	1/4	4,200.44	1/4	3,952.84	1/4	3,705.15	1/4	3,388.64	1/4	3,030.91	1/4	2,673.09	1/4	2,315.12
1/2		1/2		1/2	4,442.28	1/2	4,195.29	1/2	3,947.68	1/2	3,699.99	1/2	3,381.18	1/2	3,023.45	1/2	2,665.64	1/2	2,307.65
3/4		3/4		3/4	4,437.13	3/4	4,190.14	3/4	3,942.52	3/4	3,694.83	3/4	3,373.73	3/4	3,016.00	3/4	2,658.18	3/4	2,300.19
1		1		1	4,431.99	1	4,185.00	1	3,937.36	1	3,689.67	1	3,366.28	1	3,008.55	1	2,650.73	1	2,292.72
1/4		1/4		1/4	4,426.84	1/4	4,179.85	1/4	3,932.20	1/4	3,684.51	1/4	3,358.83	1/4	3,001.09	1/4	2,643.27	1/4	2,285.25
1/2		1/2		1/2	4,421.70	1/2	4,174.71	1/2	3,927.04	1/2	3,679.35	1/2	3,351.38	1/2	2,993.64	1/2	2,635.82	1/2	2,277.78
3/4		3/4		3/4	4,416.55	3/4	4,169.55	3/4	3,921.88	3/4	3,674.19	3/4	3,343.92	3/4	2,986.19	3/4	2,628.36	3/4	2,270.31
2		2		2	4,411.40	2	4,164.40	2	3,916.72	2	3,669.03	2	3,336.47	2	2,978.73	2	2,620.91	2	2,262.84
1/4		1/4		1/4	4,406.26	1/4	4,159.24	1/4	3,911.56	1/4	3,663.87	1/4	3,329.02	1/4	2,971.28	1/4	2,613.45	1/4	2,255.37
1/2		1/2		1/2	4,401.11	1/2	4,154.09	1/2	3,906.40	1/2	3,658.71	1/2	3,321.57	1/2	2,963.82	1/2	2,606.00	1/2	2,247.90
3/4		3/4	4,631.80	3/4	4,395.97	3/4	4,148.93	3/4	3,901.24	3/4	3,653.55	3/4	3,314.11	3/4	2,956.37	3/4	2,598.54	3/4	2,240.43
3		3	4,628.84	3	4,390.82	3	4,143.77	3	3,896.08	3	3,648.39	3	3,306.66	3	2,948.92	3	2,591.09	3	2,232.96
1/4		1/4	4,625.89	1/4	4,385.68	1/4	4,138.61	1/4	3,890.92	1/4	3,643.23	1/4	3,299.21	1/4	2,941.46	1/4	2,583.63	1/4	2,225.49
1/2		1/2	4,622.93	1/2	4,380.53	1/2	4,133.45	1/2	3,885.76	1/2	3,638.07	1/2	3,291.76	1/2	2,934.01	1/2	2,576.18	1/2	2,218.02
3/4		3/4	4,618.74	3/4	4,375.39	3/4	4,128.29	3/4	3,880.60	3/4	3,632.91	3/4	3,284.31	3/4	2,926.56	3/4	2,568.73	3/4	2,210.55
4		4	4,614.54	4	4,370.24	4	4,123.12	4	3,875.44	4	3,627.75	4	3,276.85	4	2,919.10	4	2,561.27	4	2,203.08
1/4		1/4	4,610.34	1/4	4,365.09	1/4	4,117.96	1/4	3,870.28	1/4	3,622.59	1/4	3,269.40	1/4	2,911.65	1/4	2,553.82	1/4	2,195.61
1/2		1/2	4,606.14	1/2	4,359.95	1/2	4,112.80	1/2	3,865.11	1/2	3,617.43	1/2	3,261.95	1/2	2,904.19	1/2	2,546.36	1/2	2,188.14
3/4		3/4	4,601.18	3/4	4,354.80	3/4	4,107.64	3/4	3,859.95	3/4	3,610.54	3/4	3,254.50	3/4	2,896.74	3/4	2,538.91	3/4	2,180.67
5		5	4,596.22	5	4,349.66	5	4,102.48	5	3,854.79	5	3,603.64	5	3,247.04	5	2,889.28	5	2,531.45	5	2,173.21
1/4		1/4	4,591.26	1/4	4,344.51	1/4	4,097.32	1/4	3,849.63	1/4	3,596.75	1/4	3,239.59	1/4	2,881.83	1/4	2,524.00	1/4	2,165.74
1/2		1/2	4,586.30	1/2	4,339.37	1/2	4,092.16	1/2	3,844.47	1/2	3,589.86	1/2	3,232.14	1/2	2,874.37	1/2	2,516.54	1/2	2,158.27
3/4		3/4	4,581.16	3/4	4,334.22	3/4	4,087.00	3/4	3,839.31	3/4	3,582.41	3/4	3,224.69	3/4	2,866.92	3/4	2,509.09	3/4	2,150.80
6		6	4,576.03	6	4,329.08	6	4,081.84	6	3,834.15	6	3,574.95	6	3,217.23	6	2,859.46	6	2,501.63	6	2,143.33
1/4		1/4	4,570.90	1/4	4,323.93	1/4	4,076.68	1/4	3,828.99	1/4	3,567.50	1/4	3,209.78	1/4	2,852.01	1/4	2,494.18	1/4	2,135.86
1/2		1/2	4,565.77	1/2	4,318.78	1/2	4,071.52	1/2	3,823.83	1/2	3,560.04	1/2	3,202.33	1/2	2,844.55	1/2	2,486.72	1/2	2,128.39
3/4		3/4	4,560.63	3/4	4,313.64	3/4	4,066.36	3/4	3,818.67	3/4	3,552.59	3/4	3,194.88	3/4	2,837.10	3/4	2,479.27	3/4	2,120.92
7		7	4,555.49	7	4,308.49	7	4,061.20	7	3,813.51	7	3,545.14	7	3,187.43	7	2,829.64	7	2,471.81	7	2,113.45
1/4		1/4	4,550.35	1/4	4,303.35	1/4	4,056.04	1/4	3,808.35	1/4	3,537.68	1/4	3,179.97	1/4	2,822.19	1/4	2,464.36	1/4	2,105.98
1/2		1/2	4,545.20	1/2	4,298.20	1/2	4,050.88	1/2	3,803.19	1/2	3,530.23	1/2	3,172.52	1/2	2,814.73	1/2	2,456.90	1/2	2,098.51
3/4		3/4	4,540.06	3/4	4,293.06	3/4	4,045.72	3/4	3,798.03	3/4	3,522.78	3/4	3,165.07	3/4	2,807.28	3/4	2,449.45	3/4	2,091.04
8		8	4,534.91	8	4,287.91	8	4,040.56	8	3,792.87	8	3,515.33	8	3,157.61	8	2,799.82	8	2,441.99	8	2,083.57
1/4		1/4	4,529.77	1/4	4,282.76	1/4	4,035.40	1/4	3,787.71	1/4	3,507.87	1/4	3,150.16	1/4	2,792.37	1/4	2,434.54	1/4	2,076.10
1/2		1/2	4,524.62	1/2	4,277.62	1/2	4,030.24	1/2	3,782.55	1/2	3,500.42	1/2	3,142.71	1/2	2,784.91	1/2	2,427.08	1/2	2,068.63
3/4		3/4	4,519.47	3/4	4,272.47	3/4	4,025.08	3/4	3,777.39	3/4	3,492.97	3/4	3,135.26	3/4	2,777.46	3/4	2,419.63	3/4	2,061.16
9		9	4,514.32	9	4,267.33	9	4,019.92	9	3,772.23	9	3,485.52	9	3,127.80	9	2,770.00	9	2,412.17	9	2,053.69
1/4		1/4	4,509.18	1/4	4,262.18	1/4	4,014.76	1/4	3,767.07	1/4	3,478.06	1/4	3,120.35	1/4	2,762.55	1/4	2,404.72	1/4	2,046.23
1/2		1/2	4,504.03	1/2	4,257.04	1/2	4,009.60	1/2	3,761.91	1/2	3,470.61	1/2	3,112.89	1/2	2,755.10	1/2	2,397.26	1/2	2,038.76
3/4		3/4	4,498.88	3/4	4,251.89	3/4	4,004.44	3/4	3,756.75	3/4	3,463.16	3/4	3,105.44	3/4	2,747.64	3/4	2,389.80	3/4	2,031.29
10		10	4,493.74	10	4,246.75	10	3,999.28	10	3,751.59	10	3,455.71	10	3,097.99	10	2,740.19	10	2,382.34	10	2,023.82
1/4		1/4	4,488.59	1/4	4,241.60	1/4	3,994.12	1/4	3,746.43	1/4	3,448.26	1/4	3,090.53	1/4	2,732.73	1/4	2,374.87	1/4	2,016.35
1/2		1/2	4,483.44	1/2	4,236.45	1/2	3,988.96	1/2	3,741.27	1/2	3,440.80	1/2	3,083.08	1/2	2,725.28	1/2	2,367.41	1/2	2,008.88
3/4		3/4	4,478.30	3/4	4,231.31	3/4	3,983.80	3/4	3,736.11	3/4	3,433.35	3/4	3,075.63	3/4	2,717.82	3/4	2,359.94	3/4	2,001.41
11		11	4,473.15	11	4,226.16	11	3,978.64	11	3,730.95	11	3,425.90	11	3,068.17	11	2,710.37	11	2,352.47	11	1,993.94
1/4		1/4	4,468.01	1/4	4,221.02	1/4	3,973.48	1/4	3,725.79	1/4	3,418.45	1/4	3,060.72	1/4	2,702.91	1/4	2,345.00	1/4	1,986.47
1/2		1/2	4,462.86	1/2	4,215.87	1/2	3,968.32	1/2	3,720.63	1/2	3,410.99	1/2	3,053.27	1/2	2,695.46	1/2	2,337.53	1/2	1,979.00
3/4		3/4	4,457.72	3/4	4,210.73	3/4	3,963.16	3/4	3,715.47	3/4	3,403.54	3/4	3,045.81	3/4	2,688.00	3/4	2,330.06	3/4	1,971.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29022"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,964.06	0	1,605.53	0	1,247.00	0	888.96	0	530.52	0	172.01	0		0		0		0	
1/4	1,956.59	1/4	1,598.06	1/4	1,239.53	1/4	881.51	1/4	523.05	1/4	164.54	1/4		1/4		1/4		1/4	
1/2	1,949.12	1/2	1,590.59	1/2	1,232.06	1/2	874.06	1/2	515.58	1/2	157.07	1/2		1/2		1/2		1/2	
3/4	1,941.65	3/4	1,583.12	3/4	1,224.59	3/4	866.60	3/4	508.11	3/4	149.60	3/4		3/4		3/4		3/4	
1	1,934.18	1	1,575.65	1	1,217.12	1	859.14	1	500.65	1	142.13	1		1		1		1	
1/4	1,926.72	1/4	1,568.18	1/4	1,209.65	1/4	851.68	1/4	493.18	1/4	134.66	1/4		1/4		1/4		1/4	
1/2	1,919.25	1/2	1,560.71	1/2	1,202.18	1/2	844.22	1/2	485.71	1/2	127.19	1/2		1/2		1/2		1/2	
3/4	1,911.78	3/4	1,553.25	3/4	1,194.71	3/4	836.75	3/4	478.24	3/4	119.73	3/4		3/4		3/4		3/4	
2	1,904.31	2	1,545.78	2	1,187.24	2	829.28	2	470.77	2	112.27	2		2		2		2	
1/4	1,896.84	1/4	1,538.31	1/4	1,179.78	1/4	821.82	1/4	463.30	1/4	104.81	1/4		1/4		1/4		1/4	
1/2	1,889.37	1/2	1,530.84	1/2	1,172.31	1/2	814.35	1/2	455.83	1/2	97.35	1/2		1/2		1/2		1/2	
3/4	1,881.90	3/4	1,523.37	3/4	1,164.84	3/4	806.88	3/4	448.36	3/4	89.91	3/4		3/4		3/4		3/4	
3	1,874.43	3	1,515.90	3	1,157.37	3	799.41	3	440.89	3	82.47	3		3		3		3	
1/4	1,866.96	1/4	1,508.43	1/4	1,149.91	1/4	791.94	1/4	433.42	1/4	75.03	1/4		1/4		1/4		1/4	
1/2	1,859.49	1/2	1,500.96	1/2	1,142.44	1/2	784.47	1/2	425.95	1/2	67.59	1/2		1/2		1/2		1/2	
3/4	1,852.02	3/4	1,493.49	3/4	1,134.98	3/4	777.00	3/4	418.49	3/4	60.84	3/4		3/4		3/4		3/4	
4	1,844.55	4	1,486.02	4	1,127.52	4	769.53	4	411.02	4	54.08	4		4		4		4	
1/4	1,837.08	1/4	1,478.55	1/4	1,120.06	1/4	762.06	1/4	403.55	1/4	47.32	1/4		1/4		1/4		1/4	
1/2	1,829.61	1/2	1,471.08	1/2	1,112.60	1/2	754.59	1/2	396.08	1/2	40.56	1/2		1/2		1/2		1/2	
3/4	1,822.14	3/4	1,463.61	3/4	1,105.14	3/4	747.13	3/4	388.61	3/4	35.42	3/4		3/4		3/4		3/4	
5	1,814.67	5	1,456.14	5	1,097.68	5	739.66	5	381.14	5	30.29	5		5		5		5	
1/4	1,807.20	1/4	1,448.67	1/4	1,090.22	1/4	732.19	1/4	373.67	1/4	25.16	1/4		1/4		1/4		1/4	
1/2	1,799.74	1/2	1,441.20	1/2	1,082.77	1/2	724.72	1/2	366.20	1/2	20.02	1/2		1/2		1/2		1/2	
3/4	1,792.27	3/4	1,433.73	3/4	1,075.31	3/4	717.25	3/4	358.73	3/4		3/4		3/4		3/4		3/4	
6	1,784.80	6	1,426.27	6	1,067.86	6	709.78	6	351.26	6		6		6		6		6	
1/4	1,777.33	1/4	1,418.80	1/4	1,060.40	1/4	702.31	1/4	343.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.86	1/2	1,411.33	1/2	1,052.95	1/2	694.84	1/2	336.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,762.39	3/4	1,403.86	3/4	1,045.49	3/4	687.37	3/4	328.86	3/4		3/4		3/4		3/4		3/4	
7	1,754.92	7	1,396.39	7	1,038.04	7	679.90	7	321.39	7		7		7		7		7	
1/4	1,747.45	1/4	1,388.92	1/4	1,030.59	1/4	672.43	1/4	313.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,739.98	1/2	1,381.45	1/2	1,023.13	1/2	664.97	1/2	306.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,732.51	3/4	1,373.98	3/4	1,015.68	3/4	657.50	3/4	298.98	3/4		3/4		3/4		3/4		3/4	
8	1,725.04	8	1,366.51	8	1,008.23	8	650.03	8	291.51	8		8		8		8		8	
1/4	1,717.57	1/4	1,359.04	1/4	1,000.77	1/4	642.56	1/4	284.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.10	1/2	1,351.57	1/2	993.32	1/2	635.09	1/2	276.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.63	3/4	1,344.10	3/4	985.86	3/4	627.62	3/4	269.10	3/4		3/4		3/4		3/4		3/4	
9	1,695.16	9	1,336.63	9	978.41	9	620.15	9	261.63	9		9		9		9		9	
1/4	1,687.69	1/4	1,329.16	1/4	970.96	1/4	612.68	1/4	254.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.22	1/2	1,321.69	1/2	963.50	1/2	605.21	1/2	246.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,672.76	3/4	1,314.22	3/4	956.05	3/4	597.74	3/4	239.23	3/4		3/4		3/4		3/4		3/4	
10	1,665.29	10	1,306.75	10	948.59	10	590.27	10	231.76	10		10		10		10		10	
1/4	1,657.82	1/4	1,299.29	1/4	941.14	1/4	582.81	1/4	224.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,650.35	1/2	1,291.82	1/2	933.69	1/2	575.34	1/2	216.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.88	3/4	1,284.35	3/4	926.23	3/4	567.87	3/4	209.35	3/4		3/4		3/4		3/4		3/4	
11	1,635.41	11	1,276.88	11	918.78	11	560.40	11	201.88	11		11		11		11		11	
1/4	1,627.94	1/4	1,269.41	1/4	911.33	1/4	552.93	1/4	194.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,620.47	1/2	1,261.94	1/2	903.87	1/2	545.46	1/2	186.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.00	3/4	1,254.47	3/4	896.42	3/4	537.99	3/4	179.47	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29022"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,435.52	0	4,188.53	0	3,940.96	0	3,693.27	0	3,381.58	0	3,024.54	0	2,667.41	0	2,310.10
1/4		1/4		1/4	4,430.37	1/4	4,183.38	1/4	3,935.80	1/4	3,688.11	1/4	3,374.14	1/4	3,017.10	1/4	2,659.97	1/4	2,302.64
1/2		1/2		1/2	4,425.22	1/2	4,178.24	1/2	3,930.64	1/2	3,682.95	1/2	3,366.71	1/2	3,009.66	1/2	2,652.53	1/2	2,295.18
3/4		3/4		3/4	4,420.08	3/4	4,173.09	3/4	3,925.48	3/4	3,677.79	3/4	3,359.27	3/4	3,002.22	3/4	2,645.08	3/4	2,287.73
1		1		1	4,414.93	1	4,167.94	1	3,920.32	1	3,672.63	1	3,351.83	1	2,994.78	1	2,637.64	1	2,280.27
1/4		1/4		1/4	4,409.79	1/4	4,162.80	1/4	3,915.16	1/4	3,667.47	1/4	3,344.39	1/4	2,987.34	1/4	2,630.20	1/4	2,272.82
1/2		1/2		1/2	4,404.64	1/2	4,157.65	1/2	3,910.00	1/2	3,662.31	1/2	3,336.95	1/2	2,979.90	1/2	2,622.76	1/2	2,265.36
3/4		3/4		3/4	4,399.50	3/4	4,152.51	3/4	3,904.84	3/4	3,657.15	3/4	3,329.52	3/4	2,972.46	3/4	2,615.32	3/4	2,257.90
2		2		2	4,394.35	2	4,147.35	2	3,899.68	2	3,651.99	2	3,322.08	2	2,965.02	2	2,607.88	2	2,250.45
1/4		1/4		1/4	4,389.21	1/4	4,142.20	1/4	3,894.52	1/4	3,646.83	1/4	3,314.64	1/4	2,957.58	1/4	2,600.44	1/4	2,242.99
1/2		1/2		1/2	4,384.06	1/2	4,137.04	1/2	3,889.36	1/2	3,641.67	1/2	3,307.20	1/2	2,950.14	1/2	2,592.99	1/2	2,235.54
3/4		3/4		3/4	4,378.91	3/4	4,131.89	3/4	3,884.20	3/4	3,636.51	3/4	3,299.76	3/4	2,942.70	3/4	2,585.55	3/4	2,228.08
3		3	4,609.60	3	4,373.77	3	4,126.73	3	3,879.04	3	3,631.35	3	3,292.33	3	2,935.27	3	2,578.11	3	2,220.62
1/4		1/4	4,606.64	1/4	4,368.62	1/4	4,121.57	1/4	3,873.88	1/4	3,626.19	1/4	3,284.89	1/4	2,927.83	1/4	2,570.67	1/4	2,213.17
1/2		1/2	4,603.69	1/2	4,363.48	1/2	4,116.41	1/2	3,868.72	1/2	3,621.03	1/2	3,277.45	1/2	2,920.39	1/2	2,563.23	1/2	2,205.71
3/4		3/4	4,600.73	3/4	4,358.33	3/4	4,111.25	3/4	3,863.56	3/4	3,615.87	3/4	3,270.01	3/4	2,912.95	3/4	2,555.79	3/4	2,198.26
4		4	4,596.54	4	4,353.19	4	4,106.09	4	3,858.40	4	3,610.71	4	3,262.57	4	2,905.51	4	2,548.34	4	2,190.80
1/4		1/4	4,592.34	1/4	4,348.04	1/4	4,100.93	1/4	3,853.24	1/4	3,605.55	1/4	3,255.13	1/4	2,898.07	1/4	2,540.90	1/4	2,183.34
1/2		1/2	4,588.14	1/2	4,342.90	1/2	4,095.76	1/2	3,848.08	1/2	3,600.39	1/2	3,247.70	1/2	2,890.63	1/2	2,533.46	1/2	2,175.89
3/4		3/4	4,583.94	3/4	4,337.75	3/4	4,090.60	3/4	3,842.92	3/4	3,595.23	3/4	3,240.26	3/4	2,883.19	3/4	2,526.02	3/4	2,168.43
5		5	4,578.98	5	4,332.60	5	4,085.44	5	3,837.75	5	3,588.34	5	3,232.82	5	2,875.75	5	2,518.58	5	2,160.98
1/4		1/4	4,574.02	1/4	4,327.46	1/4	4,080.28	1/4	3,832.59	1/4	3,581.45	1/4	3,225.38	1/4	2,868.31	1/4	2,511.14	1/4	2,153.52
1/2		1/2	4,569.06	1/2	4,322.31	1/2	4,075.12	1/2	3,827.43	1/2	3,574.56	1/2	3,217.94	1/2	2,860.86	1/2	2,503.69	1/2	2,146.06
3/4		3/4	4,564.10	3/4	4,317.17	3/4	4,069.96	3/4	3,822.27	3/4	3,567.67	3/4	3,210.51	3/4	2,853.42	3/4	2,496.25	3/4	2,138.61
6		6	4,558.96	6	4,312.02	6	4,064.80	6	3,817.11	6	3,560.21	6	3,203.07	6	2,845.98	6	2,488.81	6	2,131.15
1/4		1/4	4,553.83	1/4	4,306.88	1/4	4,059.64	1/4	3,811.95	1/4	3,552.76	1/4	3,195.63	1/4	2,838.54	1/4	2,481.37	1/4	2,123.70
1/2		1/2	4,548.70	1/2	4,301.73	1/2	4,054.48	1/2	3,806.79	1/2	3,545.30	1/2	3,188.19	1/2	2,831.10	1/2	2,473.93	1/2	2,116.24
3/4		3/4	4,543.57	3/4	4,296.58	3/4	4,049.32	3/4	3,801.63	3/4	3,537.85	3/4	3,180.75	3/4	2,823.66	3/4	2,466.49	3/4	2,108.78
7		7	4,538.43	7	4,291.44	7	4,044.16	7	3,796.47	7	3,530.40	7	3,173.32	7	2,816.22	7	2,459.04	7	2,101.34
1/4		1/4	4,533.29	1/4	4,286.29	1/4	4,039.00	1/4	3,791.31	1/4	3,522.94	1/4	3,165.88	1/4	2,808.78	1/4	2,451.60	1/4	2,093.90
1/2		1/2	4,528.15	1/2	4,281.15	1/2	4,033.84	1/2	3,786.15	1/2	3,515.49	1/2	3,158.44	1/2	2,801.34	1/2	2,444.16	1/2	2,086.45
3/4		3/4	4,523.00	3/4	4,276.00	3/4	4,028.68	3/4	3,780.99	3/4	3,508.04	3/4	3,151.00	3/4	2,793.90	3/4	2,436.72	3/4	2,079.01
8		8	4,517.86	8	4,270.86	8	4,023.52	8	3,775.83	8	3,500.60	8	3,143.56	8	2,786.46	8	2,429.28	8	2,071.57
1/4		1/4	4,512.71	1/4	4,265.71	1/4	4,018.36	1/4	3,770.67	1/4	3,493.16	1/4	3,136.12	1/4	2,779.02	1/4	2,421.84	1/4	2,064.13
1/2		1/2	4,507.57	1/2	4,260.57	1/2	4,013.20	1/2	3,765.51	1/2	3,485.72	1/2	3,128.68	1/2	2,771.58	1/2	2,414.40	1/2	2,056.69
3/4		3/4	4,502.42	3/4	4,255.42	3/4	4,008.04	3/4	3,760.35	3/4	3,478.28	3/4	3,121.25	3/4	2,764.14	3/4	2,406.95	3/4	2,049.25
9		9	4,497.27	9	4,250.27	9	4,002.88	9	3,755.19	9	3,470.84	9	3,113.81	9	2,756.70	9	2,399.51	9	2,041.81
1/4		1/4	4,492.13	1/4	4,245.13	1/4	3,997.72	1/4	3,750.03	1/4	3,463.40	1/4	3,106.37	1/4	2,749.26	1/4	2,392.07	1/4	2,034.37
1/2		1/2	4,486.98	1/2	4,239.98	1/2	3,992.56	1/2	3,744.87	1/2	3,455.96	1/2	3,098.93	1/2	2,741.82	1/2	2,384.63	1/2	2,026.93
3/4		3/4	4,481.83	3/4	4,234.84	3/4	3,987.40	3/4	3,739.71	3/4	3,448.53	3/4	3,091.49	3/4	2,734.38	3/4	2,377.19	3/4	2,019.50
10		10	4,476.68	10	4,229.69	10	3,982.24	10	3,734.55	10	3,441.09	10	3,084.05	10	2,726.94	10	2,369.73	10	2,012.06
1/4		1/4	4,471.54	1/4	4,224.55	1/4	3,977.08	1/4	3,729.39	1/4	3,433.65	1/4	3,076.61	1/4	2,719.50	1/4	2,362.28	1/4	2,004.62
1/2		1/2	4,466.39	1/2	4,219.40	1/2	3,971.92	1/2	3,724.23	1/2	3,426.21	1/2	3,069.17	1/2	2,712.05	1/2	2,354.83	1/2	1,997.18
3/4		3/4	4,461.24	3/4	4,214.26	3/4	3,966.76	3/4	3,719.07	3/4	3,418.77	3/4	3,061.73	3/4	2,704.61	3/4	2,347.38	3/4	1,989.74
11		11	4,456.10	11	4,209.11	11	3,961.60	11	3,713.91	11	3,411.33	11	3,054.29	11	2,697.17	11	2,339.92	11	1,982.30
1/4		1/4	4,450.95	1/4	4,203.96	1/4	3,956.44	1/4	3,708.75	1/4	3,403.90	1/4	3,046.85	1/4	2,689.73	1/4	2,332.46	1/4	1,974.86
1/2		1/2	4,445.81	1/2	4,198.82	1/2	3,951.28	1/2	3,703.59	1/2	3,396.46	1/2	3,039.41	1/2	2,682.29	1/2	2,325.01	1/2	1,967.42
3/4		3/4	4,440.66	3/4	4,193.67	3/4	3,946.12	3/4	3,698.43	3/4	3,389.02	3/4	3,031.97	3/4	2,674.85	3/4	2,317.55	3/4	1,959.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 29022"

**3 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 15'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,952.54	0	1,595.20	0	1,237.49	0	893.51	0	537.60	0	179.46	0		0		0		0	
1/4	1,945.10	1/4	1,587.75	1/4	1,230.04	1/4	886.39	1/4	530.14	1/4	171.99	1/4		1/4		1/4		1/4	
1/2	1,937.67	1/2	1,580.30	1/2	1,222.59	1/2	879.27	1/2	522.68	1/2	164.52	1/2		1/2		1/2		1/2	
3/4	1,930.23	3/4	1,572.84	3/4	1,215.13	3/4	872.16	3/4	515.23	3/4	157.06	3/4		3/4		3/4		3/4	
1	1,922.79	1	1,565.39	1	1,207.79	1	864.91	1	507.77	1	149.59	1		1		1		1	
1/4	1,915.35	1/4	1,557.94	1/4	1,200.46	1/4	857.67	1/4	500.31	1/4	142.12	1/4		1/4		1/4		1/4	
1/2	1,907.91	1/2	1,550.49	1/2	1,193.12	1/2	850.42	1/2	492.85	1/2	134.66	1/2		1/2		1/2		1/2	
3/4	1,900.47	3/4	1,543.04	3/4	1,185.78	3/4	843.18	3/4	485.40	3/4	127.19	3/4		3/4		3/4		3/4	
2	1,893.03	2	1,535.58	2	1,178.59	2	835.76	2	477.94	2	119.73	2		2		2		2	
1/4	1,885.59	1/4	1,528.13	1/4	1,171.40	1/4	828.35	1/4	470.48	1/4	112.27	1/4		1/4		1/4		1/4	
1/2	1,878.15	1/2	1,520.68	1/2	1,164.21	1/2	820.93	1/2	463.02	1/2	104.81	1/2		1/2		1/2		1/2	
3/4	1,870.71	3/4	1,513.23	3/4	1,157.02	3/4	813.52	3/4	455.57	3/4	97.35	3/4		3/4		3/4		3/4	
3	1,863.27	3	1,505.77	3	1,149.88	3	806.06	3	448.11	3	89.91	3		3		3		3	
1/4	1,855.84	1/4	1,498.32	1/4	1,142.74	1/4	798.60	1/4	440.65	1/4	82.47	1/4		1/4		1/4		1/4	
1/2	1,848.40	1/2	1,490.87	1/2	1,135.60	1/2	791.15	1/2	433.20	1/2	75.03	1/2		1/2		1/2		1/2	
3/4	1,840.96	3/4	1,483.42	3/4	1,128.45	3/4	783.69	3/4	425.74	3/4	67.59	3/4		3/4		3/4		3/4	
4	1,833.52	4	1,475.96	4	1,121.32	4	776.23	4	418.28	4	60.84	4		4		4		4	
1/4	1,826.08	1/4	1,468.51	1/4	1,114.19	1/4	768.77	1/4	410.82	1/4	54.08	1/4		1/4		1/4		1/4	
1/2	1,818.64	1/2	1,461.06	1/2	1,107.06	1/2	761.32	1/2	403.37	1/2	47.32	1/2		1/2		1/2		1/2	
3/4	1,811.20	3/4	1,453.61	3/4	1,099.93	3/4	753.86	3/4	395.91	3/4	40.56	3/4		3/4		3/4		3/4	
5	1,803.76	5	1,446.16	5	1,092.81	5	746.40	5	388.45	5	35.42	5		5		5		5	
1/4	1,796.32	1/4	1,438.70	1/4	1,085.68	1/4	738.94	1/4	380.99	1/4	30.29	1/4		1/4		1/4		1/4	
1/2	1,788.88	1/2	1,431.25	1/2	1,078.56	1/2	731.49	1/2	373.54	1/2	25.16	1/2		1/2		1/2		1/2	
3/4	1,781.44	3/4	1,423.80	3/4	1,071.43	3/4	724.03	3/4	366.08	3/4	20.02	3/4		3/4		3/4		3/4	
6	1,774.01	6	1,416.35	6	1,064.32	6	716.57	6	358.62	6		6		6		6		6	
1/4	1,766.57	1/4	1,408.89	1/4	1,057.20	1/4	709.12	1/4	351.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,759.13	1/2	1,401.44	1/2	1,050.08	1/2	701.66	1/2	343.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,751.69	3/4	1,393.99	3/4	1,042.96	3/4	694.20	3/4	336.25	3/4		3/4		3/4		3/4		3/4	
7	1,744.24	7	1,386.54	7	1,035.84	7	686.74	7	328.79	7		7		7		7		7	
1/4	1,736.79	1/4	1,379.08	1/4	1,028.73	1/4	679.29	1/4	321.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,729.34	1/2	1,371.63	1/2	1,021.61	1/2	671.83	1/2	313.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,721.89	3/4	1,364.18	3/4	1,014.49	3/4	664.37	3/4	306.42	3/4		3/4		3/4		3/4		3/4	
8	1,714.44	8	1,356.73	8	1,007.38	8	656.91	8	298.96	8		8		8		8		8	
1/4	1,706.99	1/4	1,349.28	1/4	1,000.26	1/4	649.46	1/4	291.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,699.53	1/2	1,341.82	1/2	993.14	1/2	642.00	1/2	284.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.08	3/4	1,334.37	3/4	986.03	3/4	634.54	3/4	276.56	3/4		3/4		3/4		3/4		3/4	
9	1,684.63	9	1,326.92	9	978.91	9	627.09	9	269.09	9		9		9		9		9	
1/4	1,677.18	1/4	1,319.47	1/4	971.79	1/4	619.63	1/4	261.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,669.72	1/2	1,312.01	1/2	964.68	1/2	612.17	1/2	254.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,662.27	3/4	1,304.56	3/4	957.56	3/4	604.71	3/4	246.68	3/4		3/4		3/4		3/4		3/4	
10	1,654.82	10	1,297.11	10	950.44	10	597.26	10	239.21	10		10		10		10		10	
1/4	1,647.37	1/4	1,289.66	1/4	943.32	1/4	589.80	1/4	231.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,639.92	1/2	1,282.20	1/2	936.21	1/2	582.34	1/2	224.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.46	3/4	1,274.75	3/4	929.09	3/4	574.88	3/4	216.81	3/4		3/4		3/4		3/4		3/4	
11	1,625.01	11	1,267.30	11	921.97	11	567.43	11	209.34	11		11		11		11		11	
1/4	1,617.56	1/4	1,259.85	1/4	914.86	1/4	559.97	1/4	201.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,610.11	1/2	1,252.40	1/2	907.74	1/2	552.51	1/2	194.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.65	3/4	1,244.94	3/4	900.62	3/4	545.05	3/4	186.93	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29022"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 5'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	8	0	394	0	779	0	1,164	0	1,549	0		0		0		0		0	
1/4	16	1/4	402	1/4	787	1/4	1,172	1/4	1,557	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	410	1/2	795	1/2	1,180	1/2	1,565	1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	418	3/4	803	3/4	1,188	3/4	1,573	3/4		3/4		3/4		3/4		3/4	
1	40	1	426	1	811	1	1,196	1	1,581	1		1		1		1		1	
1/4	48	1/4	434	1/4	819	1/4	1,204	1/4	1,589	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	442	1/2	827	1/2	1,212	1/2	1,597	1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	450	3/4	835	3/4	1,220	3/4	1,605	3/4		3/4		3/4		3/4		3/4	
2	72	2	458	2	843	2	1,228	2	1,613	2		2		2		2		2	
1/4	80	1/4	466	1/4	851	1/4	1,236	1/4	1,621	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	474	1/2	859	1/2	1,244	1/2	1,629	1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	482	3/4	866	3/4	1,252	3/4	1,637	3/4		3/4		3/4		3/4		3/4	
3	104	3	490	3	874	3	1,260	3	1,645	3		3		3		3		3	
1/4	112	1/4	498	1/4	882	1/4	1,268	1/4	1,653	1/4		1/4		1/4		1/4		1/4	
1/2	121	1/2	506	1/2	890	1/2	1,276	1/2	1,661	1/2		1/2		1/2		1/2		1/2	
3/4	129	3/4	514	3/4	899	3/4	1,284	3/4	1,669	3/4		3/4		3/4		3/4		3/4	
4	137	4	522	4	907	4	1,292	4	1,677	4		4		4		4		4	
1/4	145	1/4	530	1/4	915	1/4	1,300	1/4	1,685	1/4		1/4		1/4		1/4		1/4	
1/2	153	1/2	538	1/2	923	1/2	1,308	1/2	1,692	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	546	3/4	931	3/4	1,316	3/4	1,700	3/4		3/4		3/4		3/4		3/4	
5	169	5	554	5	939	5	1,324	5	1,708	5		5		5		5		5	
1/4	177	1/4	562	1/4	947	1/4	1,332	1/4	1,716	1/4		1/4		1/4		1/4		1/4	
1/2	185	1/2	570	1/2	955	1/2	1,340	1/2	1,724	1/2		1/2		1/2		1/2		1/2	
3/4	193	3/4	578	3/4	963	3/4	1,348	3/4	1,732	3/4		3/4		3/4		3/4		3/4	
6	201	6	587	6	971	6	1,356	6		6		6		6		6		6	
1/4	209	1/4	595	1/4	979	1/4	1,365	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217	1/2	603	1/2	987	1/2	1,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225	3/4	611	3/4	995	3/4	1,381	3/4		3/4		3/4		3/4		3/4		3/4	
7	233	7	619	7	1,003	7	1,389	7		7		7		7		7		7	
1/4	241	1/4	627	1/4	1,011	1/4	1,397	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	249	1/2	635	1/2	1,019	1/2	1,405	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	257	3/4	643	3/4	1,027	3/4	1,413	3/4		3/4		3/4		3/4		3/4		3/4	
8	265	8	651	8	1,035	8	1,421	8		8		8		8		8		8	
1/4	273	1/4	659	1/4	1,043	1/4	1,429	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	667	1/2	1,051	1/2	1,437	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	289	3/4	675	3/4	1,059	3/4	1,445	3/4		3/4		3/4		3/4		3/4		3/4	
9	297	9	683	9	1,067	9	1,453	9		9		9		9		9		9	
1/4	305	1/4	691	1/4	1,075	1/4	1,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	313	1/2	699	1/2	1,083	1/2	1,469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	321	3/4	707	3/4	1,091	3/4	1,477	3/4		3/4		3/4		3/4		3/4		3/4	
10	329	10	715	10	1,099	10	1,485	10		10		10		10		10		10	
1/4	337	1/4	723	1/4	1,107	1/4	1,493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	345	1/2	731	1/2	1,115	1/2	1,501	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	354	3/4	739	3/4	1,123	3/4	1,509	3/4		3/4		3/4		3/4		3/4		3/4	
11	362	11	747	11	1,132	11	1,517	11		11		11		11		11		11	
1/4	370	1/4	755	1/4	1,140	1/4	1,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	378	1/2	763	1/2	1,148	1/2	1,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	386	3/4	771	3/4	1,156	3/4	1,541	3/4		3/4		3/4		3/4		3/4		3/4	

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 PIPE.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012



# BARGE "KIRBY 29022"

## FUEL TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 5'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	1,364	0	979	0	594	0	209	0		0		0		0	
1/4		1/4		1/4	1,356	1/4	971	1/4	586	1/4	201	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,732	1/2	1,348	1/2	963	1/2	578	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,724	3/4	1,340	3/4	955	3/4	570	3/4		3/4		3/4		3/4	
1		1		1	1,716	1	1,332	1	947	1	562	1		1		1		1	
1/4		1/4		1/4	1,708	1/4	1,324	1/4	939	1/4	554	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,700	1/2	1,316	1/2	931	1/2	546	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,692	3/4	1,308	3/4	923	3/4	538	3/4		3/4		3/4		3/4	
2		2		2	1,684	2	1,300	2	914	2	530	2		2		2		2	
1/4		1/4		1/4	1,676	1/4	1,292	1/4	906	1/4	522	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,669	1/2	1,284	1/2	898	1/2	514	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,661	3/4	1,276	3/4	890	3/4	506	3/4		3/4		3/4		3/4	
3		3		3	1,653	3	1,268	3	882	3	498	3		3		3		3	
1/4		1/4		1/4	1,645	1/4	1,260	1/4	874	1/4	490	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,637	1/2	1,252	1/2	866	1/2	482	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,629	3/4	1,244	3/4	858	3/4	474	3/4		3/4		3/4		3/4	
4		4		4	1,621	4	1,236	4	850	4	466	4		4		4		4	
1/4		1/4		1/4	1,613	1/4	1,228	1/4	843	1/4	458	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,605	1/2	1,220	1/2	835	1/2	450	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,597	3/4	1,212	3/4	827	3/4	442	3/4		3/4		3/4		3/4	
5		5		5	1,589	5	1,204	5	819	5	434	5		5		5		5	
1/4		1/4		1/4	1,581	1/4	1,196	1/4	811	1/4	426	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,573	1/2	1,188	1/2	803	1/2	418	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,565	3/4	1,180	3/4	795	3/4	410	3/4		3/4		3/4		3/4	
6		6		6	1,557	6	1,172	6	787	6	402	6		6		6		6	
1/4		1/4		1/4	1,549	1/4	1,164	1/4	779	1/4	394	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,541	1/2	1,156	1/2	771	1/2	386	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,533	3/4	1,147	3/4	763	3/4	377	3/4		3/4		3/4		3/4	
7		7		7	1,525	7	1,139	7	755	7	369	7		7		7		7	
1/4		1/4		1/4	1,517	1/4	1,131	1/4	747	1/4	361	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,509	1/2	1,123	1/2	739	1/2	353	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,501	3/4	1,115	3/4	731	3/4	345	3/4		3/4		3/4		3/4	
8		8		8	1,493	8	1,107	8	723	8	337	8		8		8		8	
1/4		1/4		1/4	1,485	1/4	1,099	1/4	715	1/4	329	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,477	1/2	1,091	1/2	707	1/2	321	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,469	3/4	1,083	3/4	699	3/4	313	3/4		3/4		3/4		3/4	
9		9		9	1,461	9	1,075	9	691	9	305	9		9		9		9	
1/4		1/4		1/4	1,453	1/4	1,067	1/4	683	1/4	297	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,445	1/2	1,059	1/2	675	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,437	3/4	1,051	3/4	667	3/4	281	3/4		3/4		3/4		3/4	
10		10		10	1,429	10	1,043	10	659	10	273	10		10		10		10	
1/4		1/4		1/4	1,421	1/4	1,035	1/4	651	1/4	265	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,413	1/2	1,027	1/2	643	1/2	257	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,405	3/4	1,019	3/4	635	3/4	249	3/4		3/4		3/4		3/4	
11		11		11	1,397	11	1,011	11	627	11	241	11		11		11		11	
1/4		1/4		1/4	1,389	1/4	1,003	1/4	619	1/4	233	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	1,380	1/2	995	1/2	610	1/2	225	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	1,372	3/4	987	3/4	602	3/4	217	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER STANDPIPE.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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





# BARGE "KIRBY 29022"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 5'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21	0	987	0	1,954	0	2,920	0	3,886	0		0		0		0		0	
1/4	41	1/4	1,007	1/4	1,974	1/4	2,940	1/4	3,906	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	1,027	1/2	1,994	1/2	2,960	1/2	3,926	1/2		1/2		1/2		1/2		1/2	
3/4	81	3/4	1,048	3/4	2,014	3/4	2,980	3/4	3,946	3/4		3/4		3/4		3/4		3/4	
1	101	1	1,068	1	2,034	1	3,000	1	3,967	1		1		1		1		1	
1/4	122	1/4	1,088	1/4	2,054	1/4	3,020	1/4	3,987	1/4		1/4		1/4		1/4		1/4	
1/2	142	1/2	1,108	1/2	2,074	1/2	3,040	1/2	4,007	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,128	3/4	2,094	3/4	3,061	3/4	4,027	3/4		3/4		3/4		3/4		3/4	
2	182	2	1,148	2	2,115	2	3,081	2	4,047	2		2		2		2		2	
1/4	202	1/4	1,168	1/4	2,135	1/4	3,101	1/4	4,067	1/4		1/4		1/4		1/4		1/4	
1/2	222	1/2	1,189	1/2	2,155	1/2	3,121	1/2	4,087	1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	1,209	3/4	2,175	3/4	3,141	3/4	4,107	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,229	3	2,195	3	3,161	3	4,128	3		3		3		3		3	
1/4	283	1/4	1,249	1/4	2,215	1/4	3,181	1/4	4,148	1/4		1/4		1/4		1/4		1/4	
1/2	303	1/2	1,269	1/2	2,235	1/2	3,201	1/2	4,168	1/2		1/2		1/2		1/2		1/2	
3/4	323	3/4	1,289	3/4	2,256	3/4	3,222	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
4	343	4	1,309	4	2,276	4	3,242	4	4,208	4		4		4		4		4	
1/4	363	1/4	1,329	1/4	2,296	1/4	3,262	1/4	4,228	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,350	1/2	2,316	1/2	3,282	1/2	4,243	1/2		1/2		1/2		1/2		1/2	
3/4	403	3/4	1,370	3/4	2,336	3/4	3,302	3/4	4,261	3/4		3/4		3/4		3/4		3/4	
5	423	5	1,390	5	2,356	5	3,322	5	4,278	5		5		5		5		5	
1/4	444	1/4	1,410	1/4	2,376	1/4	3,342	1/4	4,289	1/4		1/4		1/4		1/4		1/4	
1/2	464	1/2	1,430	1/2	2,396	1/2	3,363	1/2	4,299	1/2		1/2		1/2		1/2		1/2	
3/4	484	3/4	1,450	3/4	2,417	3/4	3,383	3/4	4,309	3/4		3/4		3/4		3/4		3/4	
6	504	6	1,470	6	2,437	6	3,403	6		6		6		6		6		6	
1/4	524	1/4	1,491	1/4	2,457	1/4	3,423	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	544	1/2	1,511	1/2	2,477	1/2	3,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	564	3/4	1,531	3/4	2,497	3/4	3,463	3/4		3/4		3/4		3/4		3/4		3/4	
7	585	7	1,551	7	2,517	7	3,483	7		7		7		7		7		7	
1/4	605	1/4	1,571	1/4	2,537	1/4	3,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	625	1/2	1,591	1/2	2,557	1/2	3,524	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	645	3/4	1,611	3/4	2,578	3/4	3,544	3/4		3/4		3/4		3/4		3/4		3/4	
8	665	8	1,631	8	2,598	8	3,564	8		8		8		8		8		8	
1/4	685	1/4	1,652	1/4	2,618	1/4	3,584	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705	1/2	1,672	1/2	2,638	1/2	3,604	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725	3/4	1,692	3/4	2,658	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
9	746	9	1,712	9	2,678	9	3,644	9		9		9		9		9		9	
1/4	766	1/4	1,732	1/4	2,698	1/4	3,665	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	786	1/2	1,752	1/2	2,718	1/2	3,685	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	806	3/4	1,772	3/4	2,738	3/4	3,705	3/4		3/4		3/4		3/4		3/4		3/4	
10	826	10	1,792	10	2,759	10	3,725	10		10		10		10		10		10	
1/4	846	1/4	1,813	1/4	2,779	1/4	3,745	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	866	1/2	1,833	1/2	2,799	1/2	3,765	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	887	3/4	1,853	3/4	2,819	3/4	3,785	3/4		3/4		3/4		3/4		3/4		3/4	
11	907	11	1,873	11	2,839	11	3,805	11		11		11		11		11		11	
1/4	927	1/4	1,893	1/4	2,859	1/4	3,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	947	1/2	1,913	1/2	2,879	1/2	3,846	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	1,933	3/4	2,899	3/4	3,866	3/4		3/4		3/4		3/4		3/4		3/4	

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 "MMC" CLOSED GAUGING VALVE.

STRAPPED: 06/12/2012 CL - SW  
 CALCULATED: 06/12/2012 CL  
 NAME CHANGE: 07/07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 06/2012



# BARGE "KIRBY 29022"

## PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 5'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,604	0	2,638	0	1,672	0	706	0		0		0		0	
1/4		1/4		1/4	3,584	1/4	2,618	1/4	1,652	1/4	686	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,564	1/2	2,598	1/2	1,632	1/2	665	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,544	3/4	2,578	3/4	1,612	3/4	645	3/4		3/4		3/4		3/4	
1		1		1	3,524	1	2,558	1	1,592	1	625	1		1		1		1	
1/4		1/4		1/4	3,504	1/4	2,538	1/4	1,571	1/4	605	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,484	1/2	2,518	1/2	1,551	1/2	585	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,464	3/4	2,497	3/4	1,531	3/4	565	3/4		3/4		3/4		3/4	
2		2		2	3,443	2	2,477	2	1,511	2	545	2		2		2		2	
1/4		1/4		1/4	3,423	1/4	2,457	1/4	1,491	1/4	525	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,403	1/2	2,437	1/2	1,471	1/2	504	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,309	3/4	3,383	3/4	2,417	3/4	484	3/4		3/4		3/4		3/4	
3		3		3	4,299	3	3,363	3	2,397	3	464	3		3		3		3	
1/4		1/4		1/4	4,289	1/4	3,343	1/4	2,377	1/4	444	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,279	1/2	3,323	1/2	2,357	1/2	424	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,261	3/4	3,302	3/4	2,336	3/4	404	3/4		3/4		3/4		3/4	
4		4		4	4,244	4	3,282	4	2,316	4	384	4		4		4		4	
1/4		1/4		1/4	4,226	1/4	3,262	1/4	2,296	1/4	363	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,208	1/2	3,242	1/2	2,276	1/2	343	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,188	3/4	3,222	3/4	2,256	3/4	323	3/4		3/4		3/4		3/4	
5		5		5	4,168	5	3,202	5	2,236	5	303	5		5		5		5	
1/4		1/4		1/4	4,148	1/4	3,182	1/4	2,216	1/4	283	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,128	1/2	3,162	1/2	2,195	1/2	263	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,108	3/4	3,141	3/4	2,175	3/4	243	3/4		3/4		3/4		3/4	
6		6		6	4,088	6	3,121	6	2,155	6	223	6		6		6		6	
1/4		1/4		1/4	4,067	1/4	3,101	1/4	2,135	1/4	202	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,047	1/2	3,081	1/2	2,115	1/2	182	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,027	3/4	3,061	3/4	2,095	3/4	162	3/4		3/4		3/4		3/4	
7		7		7	4,007	7	3,041	7	2,075	7	142	7		7		7		7	
1/4		1/4		1/4	3,987	1/4	3,021	1/4	2,055	1/4	122	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,967	1/2	3,000	1/2	2,034	1/2	102	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,947	3/4	2,980	3/4	2,014	3/4	82	3/4		3/4		3/4		3/4	
8		8		8	3,927	8	2,960	8	1,994	8	61	8		8		8		8	
1/4		1/4		1/4	3,906	1/4	2,940	1/4	1,974	1/4	41	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,886	1/2	2,920	1/2	1,954	1/2	21	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,866	3/4	2,900	3/4	1,934	3/4		3/4		3/4		3/4		3/4	
9		9		9	3,846	9	2,880	9	1,914	9	947	9		9		9		9	
1/4		1/4		1/4	3,826	1/4	2,860	1/4	1,894	1/4	927	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,806	1/2	2,839	1/2	1,873	1/2	907	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,786	3/4	2,819	3/4	1,853	3/4	887	3/4		3/4		3/4		3/4	
10		10		10	3,766	10	2,799	10	1,833	10	867	10		10		10		10	
1/4		1/4		1/4	3,745	1/4	2,779	1/4	1,813	1/4	847	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,725	1/2	2,759	1/2	1,793	1/2	826	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,705	3/4	2,739	3/4	1,773	3/4	806	3/4		3/4		3/4		3/4	
11		11		11	3,685	11	2,719	11	1,753	11	786	11		11		11		11	
1/4		1/4		1/4	3,665	1/4	2,698	1/4	1,732	1/4	766	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,645	1/2	2,678	1/2	1,712	1/2	746	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,625	3/4	2,658	3/4	1,692	3/4	726	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

STRAPPED: 06/12/2012 CL - SW  
 CALCULATED: 06/12/2012 CL  
 NAME CHANGE: 07/07/2017

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 06/2012



# BARGE "KIRBY 29022"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 5'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21	0	987	0	1,954	0	2,920	0	3,886	0		0		0		0		0	
1/4	41	1/4	1,007	1/4	1,974	1/4	2,940	1/4	3,906	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	1,027	1/2	1,994	1/2	2,960	1/2	3,926	1/2		1/2		1/2		1/2		1/2	
3/4	81	3/4	1,048	3/4	2,014	3/4	2,980	3/4	3,946	3/4		3/4		3/4		3/4		3/4	
1	101	1	1,068	1	2,034	1	3,000	1	3,967	1		1		1		1		1	
1/4	122	1/4	1,088	1/4	2,054	1/4	3,020	1/4	3,987	1/4		1/4		1/4		1/4		1/4	
1/2	142	1/2	1,108	1/2	2,074	1/2	3,040	1/2	4,007	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,128	3/4	2,094	3/4	3,061	3/4	4,027	3/4		3/4		3/4		3/4		3/4	
2	182	2	1,148	2	2,115	2	3,081	2	4,047	2		2		2		2		2	
1/4	202	1/4	1,168	1/4	2,135	1/4	3,101	1/4	4,067	1/4		1/4		1/4		1/4		1/4	
1/2	222	1/2	1,189	1/2	2,155	1/2	3,121	1/2	4,087	1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	1,209	3/4	2,175	3/4	3,141	3/4	4,107	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,229	3	2,195	3	3,161	3	4,128	3		3		3		3		3	
1/4	283	1/4	1,249	1/4	2,215	1/4	3,181	1/4	4,148	1/4		1/4		1/4		1/4		1/4	
1/2	303	1/2	1,269	1/2	2,235	1/2	3,201	1/2	4,168	1/2		1/2		1/2		1/2		1/2	
3/4	323	3/4	1,289	3/4	2,256	3/4	3,222	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
4	343	4	1,309	4	2,276	4	3,242	4	4,208	4		4		4		4		4	
1/4	363	1/4	1,329	1/4	2,296	1/4	3,262	1/4	4,228	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,350	1/2	2,316	1/2	3,282	1/2	4,243	1/2		1/2		1/2		1/2		1/2	
3/4	403	3/4	1,370	3/4	2,336	3/4	3,302	3/4	4,261	3/4		3/4		3/4		3/4		3/4	
5	423	5	1,390	5	2,356	5	3,322	5	4,278	5		5		5		5		5	
1/4	444	1/4	1,410	1/4	2,376	1/4	3,342	1/4	4,289	1/4		1/4		1/4		1/4		1/4	
1/2	464	1/2	1,430	1/2	2,396	1/2	3,363	1/2	4,299	1/2		1/2		1/2		1/2		1/2	
3/4	484	3/4	1,450	3/4	2,417	3/4	3,383	3/4	4,309	3/4		3/4		3/4		3/4		3/4	
6	504	6	1,470	6	2,437	6	3,403	6		6		6		6		6		6	
1/4	524	1/4	1,491	1/4	2,457	1/4	3,423	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	544	1/2	1,511	1/2	2,477	1/2	3,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	564	3/4	1,531	3/4	2,497	3/4	3,463	3/4		3/4		3/4		3/4		3/4		3/4	
7	585	7	1,551	7	2,517	7	3,483	7		7		7		7		7		7	
1/4	605	1/4	1,571	1/4	2,537	1/4	3,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	625	1/2	1,591	1/2	2,557	1/2	3,524	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	645	3/4	1,611	3/4	2,578	3/4	3,544	3/4		3/4		3/4		3/4		3/4		3/4	
8	665	8	1,631	8	2,598	8	3,564	8		8		8		8		8		8	
1/4	685	1/4	1,652	1/4	2,618	1/4	3,584	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705	1/2	1,672	1/2	2,638	1/2	3,604	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725	3/4	1,692	3/4	2,658	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
9	746	9	1,712	9	2,678	9	3,644	9		9		9		9		9		9	
1/4	766	1/4	1,732	1/4	2,698	1/4	3,665	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	786	1/2	1,752	1/2	2,718	1/2	3,685	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	806	3/4	1,772	3/4	2,738	3/4	3,705	3/4		3/4		3/4		3/4		3/4		3/4	
10	826	10	1,792	10	2,759	10	3,725	10		10		10		10		10		10	
1/4	846	1/4	1,813	1/4	2,779	1/4	3,745	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	866	1/2	1,833	1/2	2,799	1/2	3,765	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	887	3/4	1,853	3/4	2,819	3/4	3,785	3/4		3/4		3/4		3/4		3/4		3/4	
11	907	11	1,873	11	2,839	11	3,805	11		11		11		11		11		11	
1/4	927	1/4	1,893	1/4	2,859	1/4	3,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	947	1/2	1,913	1/2	2,879	1/2	3,846	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	1,933	3/4	2,899	3/4	3,866	3/4		3/4		3/4		3/4		3/4		3/4	

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 "MMC" CLOSED GAUGING VALVE.

STRAPPED: 06/12/2012 CL - SW  
CALCULATED: 06/12/2012 CL  
NAME CHANGE: 07/07/2017

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012



# BARGE "KIRBY 29022"

## STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1202"

GAUGE HEIGHT 5'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,584	0	2,618	0	1,652	0	686	0		0		0		0	
1/4		1/4		1/4	3,564	1/4	2,598	1/4	1,632	1/4	665	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,544	1/2	2,578	1/2	1,612	1/2	645	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,524	3/4	2,558	3/4	1,592	3/4	625	3/4		3/4		3/4		3/4	
1		1		1	3,504	1	2,538	1	1,571	1	605	1		1		1		1	
1/4		1/4		1/4	3,484	1/4	2,518	1/4	1,551	1/4	585	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,464	1/2	2,497	1/2	1,531	1/2	565	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,443	3/4	2,477	3/4	1,511	3/4	545	3/4		3/4		3/4		3/4	
2		2		2	3,423	2	2,457	2	1,491	2	525	2		2		2		2	
1/4		1/4		1/4	3,403	1/4	2,437	1/4	1,471	1/4	504	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,309	1/2	3,383	1/2	2,417	1/2	484	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,299	3/4	3,363	3/4	2,397	3/4	464	3/4		3/4		3/4		3/4	
3		3		3	4,289	3	3,343	3	2,377	3	444	3		3		3		3	
1/4		1/4		1/4	4,279	1/4	3,323	1/4	2,357	1/4	424	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,261	1/2	3,302	1/2	2,336	1/2	404	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,244	3/4	3,282	3/4	2,316	3/4	384	3/4		3/4		3/4		3/4	
4		4		4	4,226	4	3,262	4	2,296	4	363	4		4		4		4	
1/4		1/4		1/4	4,208	1/4	3,242	1/4	2,276	1/4	343	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,188	1/2	3,222	1/2	2,256	1/2	323	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,168	3/4	3,202	3/4	2,236	3/4	303	3/4		3/4		3/4		3/4	
5		5		5	4,148	5	3,182	5	2,216	5	283	5		5		5		5	
1/4		1/4		1/4	4,128	1/4	3,162	1/4	2,195	1/4	263	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,108	1/2	3,141	1/2	2,175	1/2	243	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,088	3/4	3,121	3/4	2,155	3/4	223	3/4		3/4		3/4		3/4	
6		6		6	4,067	6	3,101	6	2,135	6	202	6		6		6		6	
1/4		1/4		1/4	4,047	1/4	3,081	1/4	2,115	1/4	182	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,027	1/2	3,061	1/2	2,095	1/2	162	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,007	3/4	3,041	3/4	2,075	3/4	142	3/4		3/4		3/4		3/4	
7		7		7	3,987	7	3,021	7	2,055	7	122	7		7		7		7	
1/4		1/4		1/4	3,967	1/4	3,000	1/4	2,034	1/4	102	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,947	1/2	2,980	1/2	2,014	1/2	82	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,927	3/4	2,960	3/4	1,994	3/4	61	3/4		3/4		3/4		3/4	
8		8		8	3,906	8	2,940	8	1,974	8	41	8		8		8		8	
1/4		1/4		1/4	3,886	1/4	2,920	1/4	1,954	1/4	21	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,866	1/2	2,900	1/2	1,934	1/2	967	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,846	3/4	2,880	3/4	1,914	3/4	947	3/4		3/4		3/4		3/4	
9		9		9	3,826	9	2,860	9	1,894	9	927	9		9		9		9	
1/4		1/4		1/4	3,806	1/4	2,839	1/4	1,873	1/4	907	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,786	1/2	2,819	1/2	1,853	1/2	887	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,766	3/4	2,799	3/4	1,833	3/4	867	3/4		3/4		3/4		3/4	
10		10		10	3,745	10	2,779	10	1,813	10	847	10		10		10		10	
1/4		1/4		1/4	3,725	1/4	2,759	1/4	1,793	1/4	826	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,705	1/2	2,739	1/2	1,773	1/2	806	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,685	3/4	2,719	3/4	1,753	3/4	786	3/4		3/4		3/4		3/4	
11		11		11	3,665	11	2,698	11	1,732	11	766	11		11		11		11	
1/4		1/4		1/4	3,645	1/4	2,678	1/4	1,712	1/4	746	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,625	1/2	2,658	1/2	1,692	1/2	726	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,604	3/4	2,638	3/4	1,672	3/4	706	3/4		3/4		3/4		3/4	

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