



# BARGE "GBL 3432B"

## 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 5'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 284'-09"

November 9, 2012

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "GBL 3432B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 3/4"

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	
0		0		0	222,736	0	208,870	0	194,927	0	180,943	0	166,345	0	149,558	0	132,771	0	115,981		
1/4	1/4	1/4	1/4	1/4	222,448	1/4	208,579	1/4	194,635	1/4	180,651	1/4	165,996	1/4	149,209	1/4	132,422	1/4	115,631		
1/2	1/2	1/2	1/2	1/2	222,160	1/2	208,289	1/2	194,344	1/2	180,360	1/2	165,646	1/2	148,859	1/2	132,072	1/2	115,281		
3/4	3/4	3/4	3/4	3/4	221,872	3/4	207,998	3/4	194,053	3/4	180,069	3/4	165,296	3/4	148,509	3/4	131,722	3/4	114,931		
1		1		1	221,584	1	207,708	1	193,761	1	179,777	1	164,946	1	148,159	1	131,372	1	114,581		
1/4	1/4	1/4	1/4	1/4	221,296	1/4	207,417	1/4	193,470	1/4	179,486	1/4	164,597	1/4	147,810	1/4	131,023	1/4	114,232		
1/2	1/2	1/2	1/2	1/2	221,007	1/2	207,127	1/2	193,179	1/2	179,195	1/2	164,247	1/2	147,460	1/2	130,673	1/2	113,882		
3/4	3/4	3/4	3/4	3/4	220,719	3/4	206,837	3/4	192,887	3/4	178,903	3/4	163,897	3/4	147,110	3/4	130,323	3/4	113,532		
2		2		2	220,431	2	206,546	2	192,596	2	178,612	2	163,547	2	146,760	2	129,974	2	113,182		
1/4	1/4	1/4	1/4	1/4	220,143	1/4	206,256	1/4	192,305	1/4	178,321	1/4	163,198	1/4	146,411	1/4	129,624	1/4	112,832		
1/2	1/2	1/2	1/2	1/2	219,854	1/2	205,965	1/2	192,013	1/2	178,029	1/2	162,848	1/2	146,061	1/2	129,274	1/2	112,482		
3/4	3/4	3/4	3/4	3/4	219,566	3/4	205,675	3/4	191,722	3/4	177,738	3/4	162,498	3/4	145,711	3/4	128,924	3/4	112,132		
3		3		3	219,278	3	205,384	3	191,431	3	177,447	3	162,149	3	145,362	3	128,575	3	111,782		
1/4	1/4	1/4	1/4	1/4	218,990	1/4	205,094	1/4	191,139	1/4	177,155	1/4	161,799	1/4	145,012	1/4	128,225	1/4	111,433		
1/2	1/2	1/2	1/2	1/2	218,701	1/2	204,804	1/2	190,848	1/2	176,864	1/2	161,449	1/2	144,662	1/2	127,875	1/2	111,083		
3/4	3/4	3/4	3/4	3/4	218,413	3/4	204,513	3/4	190,557	3/4	176,572	3/4	161,099	3/4	144,312	3/4	127,525	3/4	110,733		
4		4		4	218,125	4	204,223	4	190,265	4	176,281	4	160,750	4	143,963	4	127,176	4	110,383		
1/4	1/4	1/4	1/4	1/4	217,837	1/4	203,932	1/4	189,974	1/4	175,990	1/4	160,400	1/4	143,613	1/4	126,826	1/4	110,033		
1/2	1/2	1/2	1/2	1/2	217,548	1/2	203,642	1/2	189,683	1/2	175,698	1/2	160,050	1/2	143,263	1/2	126,476	1/2	109,683		
3/4	3/4	3/4	3/4	3/4	217,260	3/4	203,351	3/4	189,391	3/4	175,407	3/4	159,700	3/4	142,913	3/4	126,127	3/4	109,333		
5		5		5	216,972	5	203,061	5	189,100	5	175,116	5	159,351	5	142,564	5	125,777	5	108,983		
1/4	1/4	1/4	1/4	1/4	216,684	1/4	202,771	1/4	188,809	1/4	174,824	1/4	159,001	1/4	142,214	1/4	125,427	1/4	108,634		
1/2	1/2	1/2	1/2	1/2	216,395	1/2	202,480	1/2	188,517	1/2	174,533	1/2	158,651	1/2	141,864	1/2	125,077	1/2	108,284		
3/4	3/4	3/4	3/4	3/4	216,107	3/4	202,190	3/4	188,226	3/4	174,242	3/4	158,302	3/4	141,515	3/4	124,728	3/4	107,934		
6		6		6	215,819	6	201,899	6	187,935	6	173,950	6	157,952	6	141,165	6	124,378	6	107,584		
1/4	1/4	1/4	1/4	1/4	215,531	1/4	201,609	1/4	187,643	1/4	173,659	1/4	157,602	1/4	140,815	1/4	124,028	1/4	107,234		
1/2	1/2	1/2	1/2	1/2	215,242	1/2	201,318	1/2	187,352	1/2	173,368	1/2	157,252	1/2	140,465	1/2	123,678	1/2	106,884		
3/4	3/4	3/4	3/4	3/4	214,954	3/4	201,028	3/4	187,061	3/4	173,076	3/4	156,903	3/4	140,116	3/4	123,328	3/4	106,534		
7		7		7	214,666	7	200,738	7	186,769	7	172,785	7	156,553	7	139,766	7	122,979	7	106,184		
1/4	1/4	1/4	1/4	1/4	214,378	1/4	200,447	1/4	186,478	1/4	172,494	1/4	156,203	1/4	139,416	1/4	122,629	1/4	105,834		
1/2	1/2	1/2	1/2	1/2	227,051	1/2	214,090	1/2	200,157	1/2	186,187	1/2	172,202	1/2	155,853	1/2	139,066	1/2	122,279	1/2	105,485
3/4	3/4	3/4	3/4	3/4	226,919	3/4	213,801	3/4	199,866	3/4	185,895	3/4	171,911	3/4	155,504	3/4	138,717	3/4	121,929	3/4	105,135
8		8		8	226,737	8	213,512	8	199,576	8	185,604	8	171,620	8	155,154	8	138,367	8	121,579	8	104,785
1/4	1/4	1/4	1/4	1/4	226,555	1/4	213,223	1/4	199,285	1/4	185,313	1/4	171,328	1/4	154,804	1/4	138,017	1/4	121,229	1/4	104,435
1/2	1/2	1/2	1/2	1/2	226,372	1/2	212,934	1/2	198,995	1/2	185,021	1/2	171,037	1/2	154,455	1/2	137,668	1/2	120,879	1/2	104,085
3/4	3/4	3/4	3/4	3/4	226,190	3/4	212,645	3/4	198,705	3/4	184,730	3/4	170,746	3/4	154,105	3/4	137,318	3/4	120,529	3/4	103,735
9		9		9	225,958	9	212,355	9	198,414	9	184,439	9	170,432	9	153,755	9	136,968	9	120,180	9	103,385
1/4	1/4	1/4	1/4	1/4	225,726	1/4	212,064	1/4	198,124	1/4	184,147	1/4	170,119	1/4	153,405	1/4	136,618	1/4	119,830	1/4	103,035
1/2	1/2	1/2	1/2	1/2	225,494	1/2	211,774	1/2	197,833	1/2	183,856	1/2	169,806	1/2	153,056	1/2	136,269	1/2	119,480	1/2	102,686
3/4	3/4	3/4	3/4	3/4	225,262	3/4	211,483	3/4	197,543	3/4	183,565	3/4	169,493	3/4	152,706	3/4	135,919	3/4	119,130	3/4	102,336
10		10		10	224,990	10	211,193	10	197,252	10	183,273	10	169,143	10	152,356	10	135,569	10	118,780	10	101,986
1/4	1/4	1/4	1/4	1/4	224,718	1/4	210,903	1/4	196,962	1/4	182,982	1/4	168,793	1/4	152,006	1/4	135,219	1/4	118,430	1/4	101,636
1/2	1/2	1/2	1/2	1/2	224,445	1/2	210,612	1/2	196,672	1/2	182,691	1/2	168,444	1/2	151,657	1/2	134,870	1/2	118,080	1/2	101,286
3/4	3/4	3/4	3/4	3/4	224,173	3/4	210,322	3/4	196,381	3/4	182,399	3/4	168,094	3/4	151,307	3/4	134,520	3/4	117,730	3/4	100,936
11		11		11	223,886	11	210,031	11	196,090	11	182,108	11	167,744	11	150,957	11	134,170	11	117,381	11	100,586
1/4	1/4	1/4	1/4	1/4	223,599	1/4	209,741	1/4	195,800	1/4	181,817	1/4	167,394	1/4	150,607	1/4	133,821	1/4	117,031	1/4	100,236
1/2	1/2	1/2	1/2	1/2	223,312	1/2	209,450	1/2	195,509	1/2	181,525	1/2	167,045	1/2	150,258	1/2	133,471	1/2	116,681	1/2	99,887
3/4	3/4	3/4	3/4	3/4	223,025	3/4	209,160	3/4	195,218	3/4	181,234	3/4	166,695	3/4	149,908	3/4	133,121	3/4	116,331	3/4	99,537

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 THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.

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# BARGE "GBL 3432B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	99,187	0	82,403	0	65,620	0	48,826	0	32,032	0	15,238	0		0		0		0	
1/4	98,837	1/4	82,054	1/4	65,270	1/4	48,476	1/4	31,682	1/4	14,889	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	98,487	1/2	81,705	1/2	64,920	1/2	48,126	1/2	31,333	1/2	14,539	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98,137	3/4	81,356	3/4	64,570	3/4	47,776	3/4	30,983	3/4	14,189	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	97,787	1	81,006	1	64,220	1	47,427	1	30,633	1	13,839	1	1	1	1	1	1	1	1
1/4	97,437	1/4	80,657	1/4	63,871	1/4	47,077	1/4	30,283	1/4	13,489	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,087	1/2	80,308	1/2	63,521	1/2	46,727	1/2	29,933	1/2	13,139	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,738	3/4	79,958	3/4	63,171	3/4	46,377	3/4	29,583	3/4	12,789	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	96,388	2	79,609	2	62,821	2	46,027	2	29,233	2	12,439	2	2	2	2	2	2	2	2
1/4	96,038	1/4	79,260	1/4	62,471	1/4	45,677	1/4	28,883	1/4	12,090	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,688	1/2	78,910	1/2	62,121	1/2	45,327	1/2	28,534	1/2	11,740	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,338	3/4	78,561	3/4	61,771	3/4	44,978	3/4	28,184	3/4	11,390	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	94,988	3	78,212	3	61,421	3	44,628	3	27,834	3	11,040	3	3	3	3	3	3	3	3
1/4	94,638	1/4	77,862	1/4	61,072	1/4	44,278	1/4	27,484	1/4	10,690	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,288	1/2	77,513	1/2	60,722	1/2	43,928	1/2	27,134	1/2	10,340	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,939	3/4	77,164	3/4	60,372	3/4	43,578	3/4	26,784	3/4	9,990	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	93,589	4	76,814	4	60,022	4	43,228	4	26,434	4	9,641	4	4	4	4	4	4	4	4
1/4	93,239	1/4	76,465	1/4	59,672	1/4	42,878	1/4	26,084	1/4	9,291	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,889	1/2	76,115	1/2	59,322	1/2	42,528	1/2	25,735	1/2	8,941	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,539	3/4	75,766	3/4	58,972	3/4	42,179	3/4	25,385	3/4	8,591	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	92,189	5	75,416	5	58,622	5	41,829	5	25,035	5	8,241	5	5	5	5	5	5	5	5
1/4	91,839	1/4	75,066	1/4	58,273	1/4	41,479	1/4	24,685	1/4	7,891	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,489	1/2	74,716	1/2	57,923	1/2	41,129	1/2	24,335	1/2	7,541	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,140	3/4	74,367	3/4	57,573	3/4	40,779	3/4	23,985	3/4	7,191	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	90,790	6	74,017	6	57,223	6	40,429	6	23,635	6	6,842	6	6	6	6	6	6	6	6
1/4	90,440	1/4	73,667	1/4	56,873	1/4	40,079	1/4	23,286	1/4	6,492	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,090	1/2	73,317	1/2	56,523	1/2	39,729	1/2	22,936	1/2	6,142	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,740	3/4	72,967	3/4	56,173	3/4	39,380	3/4	22,586	3/4	5,792	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	89,391	7	72,617	7	55,824	7	39,030	7	22,236	7	5,442	7	7	7	7	7	7	7	7
1/4	89,041	1/4	72,267	1/4	55,474	1/4	38,680	1/4	21,886	1/4	5,093	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,691	1/2	71,918	1/2	55,124	1/2	38,330	1/2	21,536	1/2	4,743	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,342	3/4	71,568	3/4	54,774	3/4	37,980	3/4	21,186	3/4	4,393	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	87,993	8	71,218	8	54,424	8	37,630	8	20,836	8	4,045	8	8	8	8	8	8	8	8
1/4	87,643	1/4	70,868	1/4	54,074	1/4	37,280	1/4	20,487	1/4	3,696	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,294	1/2	70,518	1/2	53,724	1/2	36,930	1/2	20,137	1/2	3,347	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,944	3/4	70,168	3/4	53,374	3/4	36,581	3/4	19,787	3/4	2,998	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	86,595	9	69,818	9	53,025	9	36,231	9	19,437	9	2,671	9	9	9	9	9	9	9	9
1/4	86,246	1/4	69,469	1/4	52,675	1/4	35,881	1/4	19,087	1/4	2,344	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,896	1/2	69,119	1/2	52,325	1/2	35,531	1/2	18,737	1/2	2,017	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,547	3/4	68,769	3/4	51,975	3/4	35,181	3/4	18,387	3/4	1,690	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	85,198	10	68,419	10	51,625	10	34,831	10	18,037	10	1,442	10	10	10	10	10	10	10	10
1/4	84,849	1/4	68,069	1/4	51,275	1/4	34,481	1/4	17,688	1/4	1,195	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,499	1/2	67,719	1/2	50,925	1/2	34,132	1/2	17,338	1/2	947	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,150	3/4	67,369	3/4	50,575	3/4	33,782	3/4	16,988	3/4	699	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	83,801	11	67,019	11	50,226	11	33,432	11	16,638	11		11	11	11	11	11	11	11	11
1/4	83,451	1/4	66,670	1/4	49,876	1/4	33,082	1/4	16,288	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,102	1/2	66,320	1/2	49,526	1/2	32,732	1/2	15,938	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,753	3/4	65,970	3/4	49,176	3/4	32,382	3/4	15,588	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: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

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



# BARGE "GBL 3432B"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	222,742	0	208,892	0	194,965	0	180,995	0	166,471	0	149,698	0	132,926	0	116,150					
1/4	1/4	1/4	222,454	1/4	208,602	1/4	194,674	1/4	180,704	1/4	166,121	1/4	149,349	1/4	132,577	1/4	115,801					
1/2	1/2	1/2	222,166	1/2	208,312	1/2	194,383	1/2	180,413	1/2	165,772	1/2	148,999	1/2	132,227	1/2	115,451					
3/4	3/4	3/4	221,879	3/4	208,021	3/4	194,092	3/4	180,122	3/4	165,422	3/4	148,650	3/4	131,878	3/4	115,102					
1	1	1	221,591	1	207,731	1	193,800	1	179,831	1	165,073	1	148,301	1	131,528	1	114,752					
1/4	1/4	1/4	221,303	1/4	207,441	1/4	193,509	1/4	179,540	1/4	164,724	1/4	147,951	1/4	131,179	1/4	114,402					
1/2	1/2	1/2	221,015	1/2	207,151	1/2	193,218	1/2	179,249	1/2	164,374	1/2	147,602	1/2	130,829	1/2	114,053					
3/4	3/4	3/4	220,727	3/4	206,861	3/4	192,927	3/4	178,958	3/4	164,025	3/4	147,252	3/4	130,480	3/4	113,703					
2	2	2	220,439	2	206,571	2	192,636	2	178,667	2	163,675	2	146,903	2	130,131	2	113,354					
1/4	1/4	1/4	220,151	1/4	206,281	1/4	192,345	1/4	178,376	1/4	163,326	1/4	146,553	1/4	129,781	1/4	113,004					
1/2	1/2	1/2	219,863	1/2	205,991	1/2	192,054	1/2	178,085	1/2	162,976	1/2	146,204	1/2	129,432	1/2	112,655					
3/4	3/4	3/4	219,575	3/4	205,700	3/4	191,763	3/4	177,794	3/4	162,627	3/4	145,855	3/4	129,082	3/4	112,305					
3	3	3	219,287	3	205,410	3	191,472	3	177,503	3	162,278	3	145,505	3	128,733	3	111,955					
1/4	1/4	1/4	218,999	1/4	205,120	1/4	191,181	1/4	177,212	1/4	161,928	1/4	145,156	1/4	128,383	1/4	111,606					
1/2	1/2	1/2	218,711	1/2	204,830	1/2	190,890	1/2	176,920	1/2	161,579	1/2	144,806	1/2	128,034	1/2	111,256					
3/4	3/4	3/4	218,423	3/4	204,540	3/4	190,599	3/4	176,629	3/4	161,229	3/4	144,457	3/4	127,685	3/4	110,907					
4	4	4	218,135	4	204,250	4	190,308	4	176,338	4	160,880	4	144,108	4	127,335	4	110,557					
1/4	1/4	1/4	217,847	1/4	203,960	1/4	190,017	1/4	176,047	1/4	160,530	1/4	143,758	1/4	126,986	1/4	110,208					
1/2	1/2	1/2	217,559	1/2	203,670	1/2	189,726	1/2	175,756	1/2	160,181	1/2	143,409	1/2	126,636	1/2	109,858					
3/4	3/4	3/4	217,271	3/4	203,380	3/4	189,435	3/4	175,465	3/4	159,832	3/4	143,059	3/4	126,287	3/4	109,508					
5	5	5	216,984	5	203,089	5	189,144	5	175,174	5	159,482	5	142,710	5	125,937	5	109,159					
1/4	1/4	1/4	216,696	1/4	202,799	1/4	188,853	1/4	174,883	1/4	159,133	1/4	142,360	1/4	125,588	1/4	108,809					
1/2	1/2	1/2	216,408	1/2	202,509	1/2	188,562	1/2	174,592	1/2	158,783	1/2	142,011	1/2	125,239	1/2	108,460					
3/4	3/4	3/4	216,120	3/4	202,219	3/4	188,271	3/4	174,301	3/4	158,434	3/4	141,662	3/4	124,889	3/4	108,110					
6	6	6	215,832	6	201,929	6	187,980	6	174,010	6	158,084	6	141,312	6	124,540	6	107,761					
1/4	1/4	1/4	215,544	1/4	201,639	1/4	187,689	1/4	173,719	1/4	157,735	1/4	140,963	1/4	124,190	1/4	107,411					
1/2	1/2	1/2	215,256	1/2	201,349	1/2	187,398	1/2	173,428	1/2	157,386	1/2	140,613	1/2	123,841	1/2	107,061					
3/4	3/4	3/4	214,968	3/4	201,059	3/4	187,107	3/4	173,137	3/4	157,036	3/4	140,264	3/4	123,491	3/4	106,712					
7	7	7	214,680	7	200,768	7	186,816	7	172,846	7	156,687	7	139,914	7	123,142	7	106,362					
1/4	1/4	1/4	214,392	1/4	200,478	1/4	186,525	1/4	172,555	1/4	156,337	1/4	139,565	1/4	122,792	1/4	106,013					
1/2	1/2	1/2	214,104	1/2	200,188	1/2	186,234	1/2	172,264	1/2	155,988	1/2	139,216	1/2	122,443	1/2	105,663					
3/4	3/4	3/4	226,764	3/4	199,898	3/4	185,943	3/4	171,973	3/4	155,638	3/4	138,866	3/4	122,093	3/4	105,313					
8	8	8	226,632	8	213,528	8	199,608	8	185,652	8	171,682	8	155,289	8	138,517	8	121,744	8	104,964			
1/4	1/4	1/4	226,450	1/4	213,240	1/4	199,318	1/4	185,360	1/4	171,391	1/4	154,940	1/4	138,167	1/4	121,394	1/4	104,614			
1/2	1/2	1/2	226,268	1/2	212,951	1/2	199,028	1/2	185,069	1/2	171,100	1/2	154,590	1/2	137,818	1/2	121,044	1/2	104,265			
3/4	3/4	3/4	226,086	3/4	212,662	3/4	198,738	3/4	184,778	3/4	170,809	3/4	154,241	3/4	137,468	3/4	120,695	3/4	103,915			
9	9	9	225,904	9	212,373	9	198,447	9	184,487	9	170,518	9	153,891	9	137,119	9	120,345	9	103,566			
1/4	1/4	1/4	225,672	1/4	212,083	1/4	198,157	1/4	184,196	1/4	170,205	1/4	153,542	1/4	136,770	1/4	119,996	1/4	103,216			
1/2	1/2	1/2	225,440	1/2	211,793	1/2	197,867	1/2	183,905	1/2	169,892	1/2	153,193	1/2	136,420	1/2	119,646	1/2	102,866			
3/4	3/4	3/4	225,208	3/4	211,503	3/4	197,577	3/4	183,614	3/4	169,579	3/4	152,843	3/4	136,071	3/4	119,297	3/4	102,517			
10	10	10	224,977	10	211,213	10	197,287	10	183,323	10	169,266	10	152,494	10	135,721	10	118,947	10	102,167			
1/4	1/4	1/4	224,705	1/4	210,923	1/4	196,997	1/4	183,032	1/4	168,917	1/4	152,144	1/4	135,372	1/4	118,597	1/4	101,818			
1/2	1/2	1/2	224,433	1/2	210,633	1/2	196,707	1/2	182,741	1/2	168,567	1/2	151,795	1/2	135,023	1/2	118,248	1/2	101,468			
3/4	3/4	3/4	224,161	3/4	210,342	3/4	196,417	3/4	182,450	3/4	168,218	3/4	151,445	3/4	134,673	3/4	117,898	3/4	101,119			
11	11	11	223,889	11	210,052	11	196,126	11	182,159	11	167,868	11	151,096	11	134,324	11	117,549	11	100,769			
1/4	1/4	1/4	223,603	1/4	209,762	1/4	195,836	1/4	181,868	1/4	167,519	1/4	150,747	1/4	133,974	1/4	117,199	1/4	100,419			
1/2	1/2	1/2	223,316	1/2	209,472	1/2	195,546	1/2	181,577	1/2	167,169	1/2	150,397	1/2	133,625	1/2	116,849	1/2	100,070			
3/4	3/4	3/4	223,029	3/4	209,182	3/4	195,255	3/4	181,286	3/4	166,820	3/4	150,048	3/4	133,275	3/4	116,500	3/4	99,720			

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 THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "GBL 3432B"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	99,371	0	82,638	0	65,912	0	49,133	0	32,354	0	15,575	0		0		0		0	
1/4	99,021	1/4	82,291	1/4	65,563	1/4	48,784	1/4	32,004	1/4	15,225	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	98,672	1/2	81,944	1/2	65,213	1/2	48,434	1/2	31,655	1/2	14,876	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98,322	3/4	81,596	3/4	64,864	3/4	48,085	3/4	31,305	3/4	14,526	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	97,972	1	81,249	1	64,514	1	47,735	1	30,956	1	14,177	1	1	1	1	1	1	1	1
1/4	97,623	1/4	80,902	1/4	64,165	1/4	47,385	1/4	30,606	1/4	13,827	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,273	1/2	80,555	1/2	63,815	1/2	47,036	1/2	30,257	1/2	13,477	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,924	3/4	80,208	3/4	63,466	3/4	46,686	3/4	29,907	3/4	13,128	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	96,574	2	79,860	2	63,116	2	46,337	2	29,557	2	12,778	2	2	2	2	2	2	2	2
1/4	96,225	1/4	79,513	1/4	62,766	1/4	45,987	1/4	29,208	1/4	12,429	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,875	1/2	79,166	1/2	62,417	1/2	45,638	1/2	28,858	1/2	12,079	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,525	3/4	78,819	3/4	62,067	3/4	45,288	3/4	28,509	3/4	11,730	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	95,176	3	78,472	3	61,718	3	44,938	3	28,159	3	11,380	3	3	3	3	3	3	3	3
1/4	94,826	1/4	78,124	1/4	61,368	1/4	44,589	1/4	27,810	1/4	11,030	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,477	1/2	77,777	1/2	61,019	1/2	44,239	1/2	27,460	1/2	10,681	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,127	3/4	77,430	3/4	60,669	3/4	43,890	3/4	27,111	3/4	10,331	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	93,777	4	77,083	4	60,319	4	43,540	4	26,761	4	9,982	4	4	4	4	4	4	4	4
1/4	93,428	1/4	76,735	1/4	59,970	1/4	43,191	1/4	26,411	1/4	9,632	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,078	1/2	76,387	1/2	59,620	1/2	42,841	1/2	26,062	1/2	9,283	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,729	3/4	76,039	3/4	59,271	3/4	42,491	3/4	25,712	3/4	8,933	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	92,379	5	75,692	5	58,921	5	42,142	5	25,363	5	8,583	5	5	5	5	5	5	5	5
1/4	92,030	1/4	75,343	1/4	58,572	1/4	41,792	1/4	25,013	1/4	8,234	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,680	1/2	74,995	1/2	58,222	1/2	41,443	1/2	24,664	1/2	7,884	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,330	3/4	74,646	3/4	57,872	3/4	41,093	3/4	24,314	3/4	7,535	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	90,981	6	74,298	6	57,523	6	40,744	6	23,964	6	7,185	6	6	6	6	6	6	6	6
1/4	90,632	1/4	73,949	1/4	57,173	1/4	40,394	1/4	23,615	1/4	6,836	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,283	1/2	73,600	1/2	56,824	1/2	40,045	1/2	23,265	1/2	6,486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,934	3/4	73,251	3/4	56,474	3/4	39,695	3/4	22,916	3/4	6,137	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	89,585	7	72,903	7	56,125	7	39,345	7	22,566	7	5,787	7	7	7	7	7	7	7	7
1/4	89,237	1/4	72,553	1/4	55,775	1/4	38,996	1/4	22,217	1/4	5,438	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,889	1/2	72,204	1/2	55,425	1/2	38,646	1/2	21,867	1/2	5,088	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,541	3/4	71,855	3/4	55,076	3/4	38,297	3/4	21,517	3/4	4,739	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	88,194	8	71,506	8	54,726	8	37,947	8	21,168	8	4,390	8	8	8	8	8	8	8	8
1/4	87,846	1/4	71,156	1/4	54,377	1/4	37,598	1/4	20,818	1/4	4,041	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,499	1/2	70,806	1/2	54,027	1/2	37,248	1/2	20,469	1/2	3,692	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,152	3/4	70,457	3/4	53,678	3/4	36,898	3/4	20,119	3/4	3,344	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	86,804	9	70,107	9	53,328	9	36,549	9	19,770	9	2,995	9	9	9	9	9	9	9	9
1/4	86,457	1/4	69,758	1/4	52,978	1/4	36,199	1/4	19,420	1/4	2,669	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,110	1/2	69,408	1/2	52,629	1/2	35,850	1/2	19,070	1/2	2,342	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,763	3/4	69,059	3/4	52,279	3/4	35,500	3/4	18,721	3/4	2,015	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	85,416	10	68,709	10	51,930	10	35,151	10	18,371	10	1,689	10	10	10	10	10	10	10	10
1/4	85,068	1/4	68,359	1/4	51,580	1/4	34,801	1/4	18,022	1/4	1,441	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,721	1/2	68,010	1/2	51,231	1/2	34,451	1/2	17,672	1/2	1,194	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,374	3/4	67,660	3/4	50,881	3/4	34,102	3/4	17,323	3/4	946	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	84,027	11	67,311	11	50,532	11	33,752	11	16,973	11	698	11	11	11	11	11	11	11	11
1/4	83,680	1/4	66,961	1/4	50,182	1/4	33,403	1/4	16,624	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,332	1/2	66,612	1/2	49,832	1/2	33,053	1/2	16,274	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,985	3/4	66,262	3/4	49,483	3/4	32,704	3/4	15,924	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: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

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



# BARGE "GBL 3432B"

# 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	
0		0		0	225,727	0	209,630	0	193,457	0	177,241	0	161,025	0	144,810	0	128,594	0	112,375
1/4	1/4	1/4	1/4	1/4	225,392	1/4	209,294	1/4	193,119	1/4	176,903	1/4	160,688	1/4	144,472	1/4	128,256	1/4	112,037
1/2	1/2	1/2	1/2	1/2	225,057	1/2	208,957	1/2	192,781	1/2	176,566	1/2	160,350	1/2	144,134	1/2	127,918	1/2	111,699
3/4	3/4	3/4	3/4	3/4	224,723	3/4	208,620	3/4	192,444	3/4	176,228	3/4	160,012	3/4	143,796	3/4	127,580	3/4	111,361
1		1		1	224,388	1	208,283	1	192,106	1	175,890	1	159,674	1	143,458	1	127,243	1	111,023
1/4	1/4	1/4	1/4	1/4	224,053	1/4	207,946	1/4	191,768	1/4	175,552	1/4	159,336	1/4	143,121	1/4	126,905	1/4	110,685
1/2	1/2	1/2	1/2	1/2	223,719	1/2	207,609	1/2	191,430	1/2	175,214	1/2	158,999	1/2	142,783	1/2	126,567	1/2	110,347
3/4	3/4	3/4	3/4	3/4	223,384	3/4	207,272	3/4	191,092	3/4	174,876	3/4	158,661	3/4	142,445	3/4	126,229	3/4	110,009
2		2		2	223,049	2	206,935	2	190,754	2	174,539	2	158,323	2	142,107	2	125,891	2	109,671
1/4	1/4	1/4	1/4	1/4	222,714	1/4	206,598	1/4	190,417	1/4	174,201	1/4	157,985	1/4	141,769	1/4	125,553	1/4	109,333
1/2	1/2	1/2	1/2	1/2	222,380	1/2	206,261	1/2	190,079	1/2	173,863	1/2	157,647	1/2	141,431	1/2	125,216	1/2	108,995
3/4	3/4	3/4	3/4	3/4	222,045	3/4	205,924	3/4	189,741	3/4	173,525	3/4	157,309	3/4	141,094	3/4	124,878	3/4	108,657
3		3		3	221,710	3	205,587	3	189,403	3	173,187	3	156,972	3	140,756	3	124,540	3	108,319
1/4	1/4	1/4	1/4	1/4	221,375	1/4	205,251	1/4	189,065	1/4	172,850	1/4	156,634	1/4	140,418	1/4	124,202	1/4	107,981
1/2	1/2	1/2	1/2	1/2	221,041	1/2	204,914	1/2	188,727	1/2	172,512	1/2	156,296	1/2	140,080	1/2	123,864	1/2	107,643
3/4	3/4	3/4	3/4	3/4	220,706	3/4	204,577	3/4	188,390	3/4	172,174	3/4	155,958	3/4	139,742	3/4	123,526	3/4	107,305
4		4		4	220,371	4	204,240	4	188,052	4	171,836	4	155,620	4	139,404	4	123,189	4	106,967
1/4	1/4	1/4	1/4	1/4	220,037	1/4	203,903	1/4	187,714	1/4	171,498	1/4	155,282	1/4	139,067	1/4	122,851	1/4	106,629
1/2	1/2	1/2	1/2	1/2	219,702	1/2	203,566	1/2	187,376	1/2	171,160	1/2	154,945	1/2	138,729	1/2	122,513	1/2	106,291
3/4	3/4	3/4	3/4	3/4	219,367	3/4	203,229	3/4	187,038	3/4	170,823	3/4	154,607	3/4	138,391	3/4	122,175	3/4	105,953
5		5		5	219,032	5	202,892	5	186,701	5	170,485	5	154,269	5	138,053	5	121,837	5	105,615
1/4	1/4	1/4	1/4	1/4	218,698	1/4	202,555	1/4	186,363	1/4	170,147	1/4	153,931	1/4	137,715	1/4	121,499	1/4	105,277
1/2	1/2	1/2	1/2	1/2	218,363	1/2	202,218	1/2	186,025	1/2	169,809	1/2	153,593	1/2	137,377	1/2	121,162	1/2	104,939
3/4	3/4	3/4	3/4	3/4	218,028	3/4	201,881	3/4	185,687	3/4	169,471	3/4	153,255	3/4	137,040	3/4	120,824	3/4	104,601
6		6		6	217,693	6	201,544	6	185,349	6	169,133	6	152,918	6	136,702	6	120,486	6	104,263
1/4	1/4	1/4	1/4	1/4	217,359	1/4	201,208	1/4	185,011	1/4	168,796	1/4	152,580	1/4	136,364	1/4	120,148	1/4	103,925
1/2	1/2	1/2	1/2	1/2	217,024	1/2	200,871	1/2	184,674	1/2	168,458	1/2	152,242	1/2	136,026	1/2	119,810	1/2	103,587
3/4	3/4	3/4	3/4	3/4	216,689	3/4	200,534	3/4	184,336	3/4	168,120	3/4	151,904	3/4	135,688	3/4	119,472	3/4	103,249
7		7		7	216,355	7	200,197	7	183,998	7	167,782	7	151,566	7	135,350	7	119,134	7	102,911
1/4	1/4	1/4	1/4	1/4	216,020	1/4	199,860	1/4	183,660	1/4	167,444	1/4	151,228	1/4	135,013	1/4	118,796	1/4	102,573
1/2	1/2	1/2	1/2	1/2	215,685	1/2	199,523	1/2	183,322	1/2	167,106	1/2	150,891	1/2	134,675	1/2	118,458	1/2	102,235
3/4	3/4	3/4	3/4	3/4	215,350	3/4	199,186	3/4	182,984	3/4	166,769	3/4	150,553	3/4	134,337	3/4	118,120	3/4	101,897
8		8		8	215,016	8	198,849	8	182,647	8	166,431	8	150,215	8	133,999	8	117,782	8	101,559
1/4	1/4	1/4	1/4	1/4	230,573	1/4	214,680	1/4	198,512	1/4	182,309	1/4	166,093	1/4	149,877	1/4	133,661	1/4	117,444
1/2	1/2	1/2	1/2	1/2	229,925	1/2	214,345	1/2	198,175	1/2	181,971	1/2	165,755	1/2	149,539	1/2	133,323	1/2	117,107
3/4	3/4	3/4	3/4	3/4	229,692	3/4	214,009	3/4	197,838	3/4	181,633	3/4	165,417	3/4	149,201	3/4	132,986	3/4	116,769
9		9		9	229,460	9	213,673	9	197,501	9	181,295	9	165,079	9	148,864	9	132,648	9	116,431
1/4	1/4	1/4	1/4	1/4	229,180	1/4	213,337	1/4	197,165	1/4	180,957	1/4	164,742	1/4	148,526	1/4	132,310	1/4	116,093
1/2	1/2	1/2	1/2	1/2	228,899	1/2	213,000	1/2	196,828	1/2	180,620	1/2	164,404	1/2	148,188	1/2	131,972	1/2	115,755
3/4	3/4	3/4	3/4	3/4	228,619	3/4	212,663	3/4	196,491	3/4	180,282	3/4	164,066	3/4	147,850	3/4	131,634	3/4	115,417
10		10		10	228,338	10	212,326	10	196,154	10	179,944	10	163,728	10	147,512	10	131,296	10	115,079
1/4	1/4	1/4	1/4	1/4	228,019	1/4	211,989	1/4	195,817	1/4	179,606	1/4	163,390	1/4	147,174	1/4	130,959	1/4	114,741
1/2	1/2	1/2	1/2	1/2	227,700	1/2	211,652	1/2	195,480	1/2	179,268	1/2	163,052	1/2	146,837	1/2	130,621	1/2	114,403
3/4	3/4	3/4	3/4	3/4	227,381	3/4	211,315	3/4	195,143	3/4	178,930	3/4	162,715	3/4	146,499	3/4	130,283	3/4	114,065
11		11		11	227,061	11	210,978	11	194,806	11	178,593	11	162,377	11	146,161	11	129,945	11	113,727
1/4	1/4	1/4	1/4	1/4	226,728	1/4	210,641	1/4	194,469	1/4	178,255	1/4	162,039	1/4	145,823	1/4	129,607	1/4	113,389
1/2	1/2	1/2	1/2	1/2	226,394	1/2	210,304	1/2	194,132	1/2	177,917	1/2	161,701	1/2	145,485	1/2	129,270	1/2	113,051
3/4	3/4	3/4	3/4	3/4	226,060	3/4	209,967	3/4	193,794	3/4	177,579	3/4	161,363	3/4	145,147	3/4	128,932	3/4	112,713

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 THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "GBL 3432B"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	96,152	0	79,928	0	63,705	0	47,492	0	31,282	0	15,059	0		0		0		0	
1/4	95,814	1/4	79,591	1/4	63,367	1/4	47,155	1/4	30,944	1/4	14,721	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,476	1/2	79,253	1/2	63,029	1/2	46,817	1/2	30,606	1/2	14,383	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,138	3/4	78,915	3/4	62,691	3/4	46,480	3/4	30,268	3/4	14,045	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	94,800	1	78,577	1	62,353	1	46,142	1	29,930	1	13,707	1	1	1	1	1	1	1	1
1/4	94,462	1/4	78,239	1/4	62,015	1/4	45,805	1/4	29,592	1/4	13,369	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,124	1/2	77,901	1/2	61,677	1/2	45,468	1/2	29,254	1/2	13,031	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,786	3/4	77,563	3/4	61,339	3/4	45,130	3/4	28,916	3/4	12,693	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	93,448	2	77,225	2	61,002	2	44,793	2	28,578	2	12,355	2	2	2	2	2	2	2	2
1/4	93,110	1/4	76,887	1/4	60,664	1/4	44,456	1/4	28,240	1/4	12,017	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,772	1/2	76,549	1/2	60,326	1/2	44,118	1/2	27,902	1/2	11,679	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,434	3/4	76,211	3/4	59,988	3/4	43,781	3/4	27,564	3/4	11,341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	92,096	3	75,873	3	59,650	3	43,443	3	27,226	3	11,004	3	3	3	3	3	3	3	3
1/4	91,758	1/4	75,535	1/4	59,312	1/4	43,106	1/4	26,888	1/4	10,666	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,420	1/2	75,197	1/2	58,974	1/2	42,769	1/2	26,550	1/2	10,328	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,082	3/4	74,859	3/4	58,636	3/4	42,431	3/4	26,212	3/4	9,990	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	90,744	4	74,521	4	58,298	4	42,094	4	25,874	4	9,652	4	4	4	4	4	4	4	4
1/4	90,406	1/4	74,183	1/4	57,960	1/4	41,756	1/4	25,536	1/4	9,314	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,068	1/2	73,845	1/2	57,622	1/2	41,419	1/2	25,198	1/2	8,976	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,730	3/4	73,507	3/4	57,284	3/4	41,081	3/4	24,860	3/4	8,638	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	89,392	5	73,169	5	56,946	5	40,744	5	24,522	5	8,300	5	5	5	5	5	5	5	5
1/4	89,054	1/4	72,831	1/4	56,608	1/4	40,406	1/4	24,184	1/4	7,962	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,716	1/2	72,493	1/2	56,270	1/2	40,069	1/2	23,846	1/2	7,624	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,378	3/4	72,155	3/4	55,932	3/4	39,731	3/4	23,508	3/4	7,286	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	88,040	6	71,817	6	55,594	6	39,393	6	23,171	6	6,948	6	6	6	6	6	6	6	6
1/4	87,702	1/4	71,479	1/4	55,256	1/4	39,055	1/4	22,833	1/4	6,610	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,364	1/2	71,141	1/2	54,918	1/2	38,717	1/2	22,495	1/2	6,272	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,026	3/4	70,803	3/4	54,580	3/4	38,379	3/4	22,157	3/4	5,934	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	86,688	7	70,465	7	54,242	7	38,041	7	21,819	7	5,596	7	7	7	7	7	7	7	7
1/4	86,350	1/4	70,127	1/4	53,904	1/4	37,703	1/4	21,481	1/4	5,258	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,012	1/2	69,789	1/2	53,566	1/2	37,365	1/2	21,143	1/2	4,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,674	3/4	69,451	3/4	53,228	3/4	37,027	3/4	20,805	3/4	4,583	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	85,336	8	69,113	8	52,891	8	36,689	8	20,467	8	4,245	8	8	8	8	8	8	8	8
1/4	84,998	1/4	68,775	1/4	52,553	1/4	36,351	1/4	20,129	1/4	3,908	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,660	1/2	68,437	1/2	52,216	1/2	36,013	1/2	19,791	1/2	3,571	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,322	3/4	68,099	3/4	51,878	3/4	35,676	3/4	19,453	3/4	3,234	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	83,984	9	67,761	9	51,541	9	35,338	9	19,115	9	2,897	9	9	9	9	9	9	9	9
1/4	83,646	1/4	67,423	1/4	51,203	1/4	35,000	1/4	18,777	1/4	2,581	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,308	1/2	67,085	1/2	50,866	1/2	34,662	1/2	18,439	1/2	2,265	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,970	3/4	66,747	3/4	50,528	3/4	34,324	3/4	18,101	3/4	1,949	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	82,632	10	66,409	10	50,191	10	33,986	10	17,763	10	1,634	10	10	10	10	10	10	10	10
1/4	82,294	1/4	66,071	1/4	49,854	1/4	33,648	1/4	17,425	1/4	1,394	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,956	1/2	65,733	1/2	49,516	1/2	33,310	1/2	17,087	1/2	1,155	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,618	3/4	65,395	3/4	49,179	3/4	32,972	3/4	16,749	3/4	916	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	81,280	11	65,057	11	48,842	11	32,634	11	16,411	11	676	11	11	11	11	11	11	11	11
1/4	80,942	1/4	64,719	1/4	48,504	1/4	32,296	1/4	16,073	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,604	1/2	64,381	1/2	48,167	1/2	31,958	1/2	15,735	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,266	3/4	64,043	3/4	47,829	3/4	31,620	3/4	15,397	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: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

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



# BARGE "GBL 3432B"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	225,359	0	209,249	0	193,061	0	176,830	0	160,600	0	144,370	0	128,139	0	111,905
1/4		1/4		1/4	225,025	1/4	208,912	1/4	192,723	1/4	176,492	1/4	160,262	1/4	144,031	1/4	127,801	1/4	111,567
1/2		1/2		1/2	224,690	1/2	208,574	1/2	192,385	1/2	176,154	1/2	159,924	1/2	143,693	1/2	127,463	1/2	111,229
3/4		3/4		3/4	224,355	3/4	208,237	3/4	192,046	3/4	175,816	3/4	159,586	3/4	143,355	3/4	127,125	3/4	110,891
1		1		1	224,020	1	207,900	1	191,708	1	175,478	1	159,247	1	143,017	1	126,787	1	110,552
1/4		1/4		1/4	223,685	1/4	207,563	1/4	191,370	1/4	175,140	1/4	158,909	1/4	142,679	1/4	126,448	1/4	110,214
1/2		1/2		1/2	223,350	1/2	207,225	1/2	191,032	1/2	174,802	1/2	158,571	1/2	142,341	1/2	126,110	1/2	109,876
3/4		3/4		3/4	223,015	3/4	206,888	3/4	190,694	3/4	174,463	3/4	158,233	3/4	142,003	3/4	125,772	3/4	109,537
2		2		2	222,680	2	206,551	2	190,356	2	174,125	2	157,895	2	141,664	2	125,434	2	109,199
1/4		1/4		1/4	222,345	1/4	206,214	1/4	190,018	1/4	173,787	1/4	157,557	1/4	141,326	1/4	125,096	1/4	108,861
1/2		1/2		1/2	222,010	1/2	205,877	1/2	189,679	1/2	173,449	1/2	157,219	1/2	140,988	1/2	124,758	1/2	108,523
3/4		3/4		3/4	221,674	3/4	205,539	3/4	189,341	3/4	173,111	3/4	156,881	3/4	140,650	3/4	124,420	3/4	108,184
3		3		3	221,339	3	205,202	3	189,003	3	172,773	3	156,542	3	140,312	3	124,082	3	107,846
1/4		1/4		1/4	221,004	1/4	204,865	1/4	188,665	1/4	172,435	1/4	156,204	1/4	139,974	1/4	123,743	1/4	107,508
1/2		1/2		1/2	220,669	1/2	204,528	1/2	188,327	1/2	172,097	1/2	155,866	1/2	139,636	1/2	123,405	1/2	107,169
3/4		3/4		3/4	220,334	3/4	204,190	3/4	187,989	3/4	171,758	3/4	155,528	3/4	139,298	3/4	123,067	3/4	106,831
4		4		4	219,999	4	203,853	4	187,651	4	171,420	4	155,190	4	138,959	4	122,729	4	106,493
1/4		1/4		1/4	219,664	1/4	203,516	1/4	187,313	1/4	171,082	1/4	154,852	1/4	138,621	1/4	122,391	1/4	106,155
1/2		1/2		1/2	219,329	1/2	203,179	1/2	186,974	1/2	170,744	1/2	154,514	1/2	138,283	1/2	122,053	1/2	105,816
3/4		3/4		3/4	218,994	3/4	202,842	3/4	186,636	3/4	170,406	3/4	154,175	3/4	137,945	3/4	121,715	3/4	105,478
5		5		5	218,659	5	202,504	5	186,298	5	170,068	5	153,837	5	137,607	5	121,376	5	105,140
1/4		1/4		1/4	218,324	1/4	202,167	1/4	185,960	1/4	169,730	1/4	153,499	1/4	137,269	1/4	121,038	1/4	104,801
1/2		1/2		1/2	217,989	1/2	201,830	1/2	185,622	1/2	169,391	1/2	153,161	1/2	136,931	1/2	120,700	1/2	104,463
3/4		3/4		3/4	217,654	3/4	201,493	3/4	185,284	3/4	169,053	3/4	152,823	3/4	136,592	3/4	120,362	3/4	104,125
6		6		6	217,319	6	201,155	6	184,946	6	168,715	6	152,485	6	136,254	6	120,024	6	103,787
1/4		1/4		1/4	216,984	1/4	200,818	1/4	184,607	1/4	168,377	1/4	152,147	1/4	135,916	1/4	119,686	1/4	103,448
1/2		1/2		1/2	216,649	1/2	200,481	1/2	184,269	1/2	168,039	1/2	151,809	1/2	135,578	1/2	119,348	1/2	103,110
3/4		3/4		3/4	216,314	3/4	200,144	3/4	183,931	3/4	167,701	3/4	151,470	3/4	135,240	3/4	119,009	3/4	102,772
7		7		7	215,979	7	199,807	7	183,593	7	167,363	7	151,132	7	134,902	7	118,671	7	102,433
1/4		1/4		1/4	215,644	1/4	199,469	1/4	183,255	1/4	167,025	1/4	150,794	1/4	134,564	1/4	118,333	1/4	102,095
1/2		1/2		1/2	215,309	1/2	199,132	1/2	182,917	1/2	166,686	1/2	150,456	1/2	134,226	1/2	117,995	1/2	101,757
3/4		3/4		3/4	230,211	3/4	214,974	3/4	198,795	3/4	182,579	3/4	166,348	3/4	150,118	3/4	133,887	3/4	117,656
8		8		8	230,026	8	214,639	8	198,458	8	182,241	8	166,010	8	149,780	8	133,549	8	117,318
1/4		1/4		1/4	229,794	1/4	214,303	1/4	198,120	1/4	181,902	1/4	165,672	1/4	149,442	1/4	133,211	1/4	116,980
1/2		1/2		1/2	229,561	1/2	213,967	1/2	197,783	1/2	181,564	1/2	165,334	1/2	149,103	1/2	132,873	1/2	116,641
3/4		3/4		3/4	229,329	3/4	213,631	3/4	197,446	3/4	181,226	3/4	164,996	3/4	148,765	3/4	132,535	3/4	116,303
9		9		9	229,096	9	213,295	9	197,109	9	180,888	9	164,658	9	148,427	9	132,197	9	115,965
1/4		1/4		1/4	228,816	1/4	212,958	1/4	196,772	1/4	180,550	1/4	164,319	1/4	148,089	1/4	131,859	1/4	115,627
1/2		1/2		1/2	228,535	1/2	212,621	1/2	196,434	1/2	180,212	1/2	163,981	1/2	147,751	1/2	131,520	1/2	115,288
3/4		3/4		3/4	228,254	3/4	212,284	3/4	196,097	3/4	179,874	3/4	163,643	3/4	147,413	3/4	131,182	3/4	114,950
10		10		10	227,973	10	211,947	10	195,760	10	179,535	10	163,305	10	147,075	10	130,844	10	114,612
1/4		1/4		1/4	227,654	1/4	211,609	1/4	195,423	1/4	179,197	1/4	162,967	1/4	146,737	1/4	130,506	1/4	114,273
1/2		1/2		1/2	227,334	1/2	211,272	1/2	195,085	1/2	178,859	1/2	162,629	1/2	146,398	1/2	130,168	1/2	113,935
3/4		3/4		3/4	227,015	3/4	210,935	3/4	194,748	3/4	178,521	3/4	162,291	3/4	146,060	3/4	129,830	3/4	113,597
11		11		11	226,696	11	210,598	11	194,411	11	178,183	11	161,953	11	145,722	11	129,492	11	113,259
1/4		1/4		1/4	226,362	1/4	210,260	1/4	194,073	1/4	177,845	1/4	161,614	1/4	145,384	1/4	129,154	1/4	112,920
1/2		1/2		1/2	226,028	1/2	209,923	1/2	193,736	1/2	177,507	1/2	161,276	1/2	145,046	1/2	128,815	1/2	112,582
3/4		3/4		3/4	225,693	3/4	209,586	3/4	193,398	3/4	177,169	3/4	160,938	3/4	144,708	3/4	128,477	3/4	112,244

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 THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "GBL 3432B"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	95,668	0	79,544	0	63,585	0	47,535	0	31,310	0	15,073	0		0		0		0	
1/4	95,329	1/4	79,211	1/4	63,253	1/4	47,197	1/4	30,972	1/4	14,734	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,991	1/2	78,879	1/2	62,920	1/2	46,859	1/2	30,633	1/2	14,396	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,653	3/4	78,546	3/4	62,588	3/4	46,522	3/4	30,295	3/4	14,058	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	94,315	1	78,214	1	62,255	1	46,184	1	29,957	1	13,720	1	1	1	1	1	1	1	1
1/4	93,976	1/4	77,881	1/4	61,923	1/4	45,846	1/4	29,619	1/4	13,381	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,638	1/2	77,549	1/2	61,590	1/2	45,509	1/2	29,280	1/2	13,043	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,300	3/4	77,216	3/4	61,258	3/4	45,171	3/4	28,942	3/4	12,705	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	92,961	2	76,884	2	60,925	2	44,833	2	28,604	2	12,366	2	2	2	2	2	2	2	2
1/4	92,623	1/4	76,551	1/4	60,593	1/4	44,495	1/4	28,265	1/4	12,028	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,285	1/2	76,219	1/2	60,261	1/2	44,158	1/2	27,927	1/2	11,690	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,947	3/4	75,886	3/4	59,928	3/4	43,820	3/4	27,589	3/4	11,352	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	91,608	3	75,554	3	59,596	3	43,482	3	27,251	3	11,013	3	3	3	3	3	3	3	3
1/4	91,270	1/4	75,221	1/4	59,263	1/4	43,145	1/4	26,912	1/4	10,675	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,932	1/2	74,889	1/2	58,931	1/2	42,807	1/2	26,574	1/2	10,337	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,593	3/4	74,557	3/4	58,598	3/4	42,469	3/4	26,236	3/4	9,999	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	90,255	4	74,224	4	58,266	4	42,132	4	25,898	4	9,660	4	4	4	4	4	4	4	4
1/4	89,917	1/4	73,892	1/4	57,933	1/4	41,794	1/4	25,559	1/4	9,322	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,579	1/2	73,559	1/2	57,601	1/2	41,456	1/2	25,221	1/2	8,984	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,240	3/4	73,227	3/4	57,268	3/4	41,118	3/4	24,883	3/4	8,645	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	88,902	5	72,894	5	56,936	5	40,781	5	24,544	5	8,307	5	5	5	5	5	5	5	5
1/4	88,564	1/4	72,562	1/4	56,603	1/4	40,443	1/4	24,206	1/4	7,969	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,225	1/2	72,229	1/2	56,271	1/2	40,105	1/2	23,868	1/2	7,631	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,887	3/4	71,897	3/4	55,938	3/4	39,767	3/4	23,530	3/4	7,292	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	87,549	6	71,564	6	55,606	6	39,429	6	23,191	6	6,954	6	6	6	6	6	6	6	6
1/4	87,212	1/4	71,232	1/4	55,274	1/4	39,090	1/4	22,853	1/4	6,616	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,874	1/2	70,899	1/2	54,941	1/2	38,752	1/2	22,515	1/2	6,278	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,537	3/4	70,567	3/4	54,609	3/4	38,414	3/4	22,177	3/4	5,939	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	86,200	7	70,234	7	54,276	7	38,076	7	21,838	7	5,601	7	7	7	7	7	7	7	7
1/4	85,866	1/4	69,902	1/4	53,942	1/4	37,737	1/4	21,500	1/4	5,263	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,532	1/2	69,570	1/2	53,607	1/2	37,399	1/2	21,162	1/2	4,925	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,197	3/4	69,237	3/4	53,273	3/4	37,061	3/4	20,823	3/4	4,587	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	84,863	8	68,905	8	52,938	8	36,722	8	20,485	8	4,249	8	8	8	8	8	8	8	8
1/4	84,530	1/4	68,572	1/4	52,600	1/4	36,384	1/4	20,147	1/4	3,911	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,198	1/2	68,240	1/2	52,263	1/2	36,046	1/2	19,809	1/2	3,574	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,866	3/4	67,907	3/4	51,925	3/4	35,708	3/4	19,470	3/4	3,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	83,533	9	67,575	9	51,587	9	35,369	9	19,132	9	2,899	9	9	9	9	9	9	9	9
1/4	83,201	1/4	67,242	1/4	51,249	1/4	35,031	1/4	18,794	1/4	2,583	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,868	1/2	66,910	1/2	50,912	1/2	34,693	1/2	18,455	1/2	2,267	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,536	3/4	66,577	3/4	50,574	3/4	34,354	3/4	18,117	3/4	1,951	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	82,203	10	66,245	10	50,236	10	34,016	10	17,779	10	1,635	10	10	10	10	10	10	10	10
1/4	81,871	1/4	65,912	1/4	49,899	1/4	33,678	1/4	17,441	1/4	1,396	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,538	1/2	65,580	1/2	49,561	1/2	33,340	1/2	17,102	1/2	1,156	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,206	3/4	65,247	3/4	49,223	3/4	33,001	3/4	16,764	3/4	916	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	80,873	11	64,915	11	48,885	11	32,663	11	16,426	11	677	11	11	11	11	11	11	11	11
1/4	80,541	1/4	64,583	1/4	48,548	1/4	32,325	1/4	16,088	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,208	1/2	64,250	1/2	48,210	1/2	31,987	1/2	15,749	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,876	3/4	63,918	3/4	47,872	3/4	31,648	3/4	15,411	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: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

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



# BARGE "GBL 3432B"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	200,116	0	188,670	0	177,171	0	165,644	0	154,136	0	140,138	0	123,984	0	107,822		
1/4	1/4	1/4	199,879	1/4	188,431	1/4	176,931	1/4	165,404	1/4	153,898	1/4	139,801	1/4	123,647	1/4	107,485		
1/2	1/2	1/2	199,641	1/2	188,191	1/2	176,691	1/2	165,164	1/2	153,660	1/2	139,465	1/2	123,311	1/2	107,148		
3/4	3/4	3/4	199,403	3/4	187,952	3/4	176,451	3/4	164,924	3/4	153,422	3/4	139,128	3/4	122,974	3/4	106,811		
1	1	1	199,165	1	187,712	1	176,211	1	164,684	1	153,184	1	138,792	1	122,637	1	106,474		
1/4	1/4	1/4	198,927	1/4	187,472	1/4	175,970	1/4	164,443	1/4	152,946	1/4	138,455	1/4	122,301	1/4	106,137		
1/2	1/2	1/2	198,688	1/2	187,233	1/2	175,730	1/2	164,203	1/2	152,708	1/2	138,119	1/2	121,964	1/2	105,800		
3/4	3/4	3/4	198,450	3/4	186,993	3/4	175,490	3/4	163,963	3/4	152,468	3/4	137,782	3/4	121,628	3/4	105,463		
2	2	2	198,212	2	186,754	2	175,250	2	163,723	2	152,229	2	137,446	2	121,291	2	105,126		
1/4	1/4	1/4	197,974	1/4	186,514	1/4	175,010	1/4	163,483	1/4	151,989	1/4	137,109	1/4	120,955	1/4	104,789		
1/2	1/2	1/2	197,736	1/2	186,275	1/2	174,770	1/2	163,243	1/2	151,749	1/2	136,773	1/2	120,618	1/2	104,452		
3/4	3/4	3/4	197,498	3/4	186,035	3/4	174,529	3/4	163,002	3/4	151,498	3/4	136,436	3/4	120,282	3/4	104,115		
3	3	3	197,260	3	185,796	3	174,289	3	162,762	3	151,246	3	136,099	3	119,945	3	103,778		
1/4	1/4	1/4	197,022	1/4	185,556	1/4	174,049	1/4	162,522	1/4	150,994	1/4	135,763	1/4	119,609	1/4	103,441		
1/2	1/2	1/2	196,784	1/2	185,317	1/2	173,809	1/2	162,282	1/2	150,742	1/2	135,426	1/2	119,272	1/2	103,104		
3/4	3/4	3/4	196,546	3/4	185,077	3/4	173,569	3/4	162,042	3/4	150,475	3/4	135,090	3/4	118,935	3/4	102,767		
4	4	4	196,308	4	184,838	4	173,329	4	161,802	4	150,207	4	134,753	4	118,599	4	102,430		
1/4	1/4	1/4	196,070	1/4	184,598	1/4	173,089	1/4	161,562	1/4	149,940	1/4	134,417	1/4	118,262	1/4	102,093		
1/2	1/2	1/2	195,832	1/2	184,358	1/2	172,848	1/2	161,321	1/2	149,673	1/2	134,080	1/2	117,926	1/2	101,756		
3/4	3/4	3/4	195,594	3/4	184,119	3/4	172,608	3/4	161,081	3/4	149,391	3/4	133,744	3/4	117,589	3/4	101,419		
5	5	5	195,356	5	183,879	5	172,368	5	160,841	5	149,110	5	133,407	5	117,253	5	101,082		
1/4	1/4	1/4	195,118	1/4	183,640	1/4	172,128	1/4	160,601	1/4	148,829	1/4	133,070	1/4	116,916	1/4	100,745		
1/2	1/2	1/2	194,880	1/2	183,400	1/2	171,888	1/2	160,361	1/2	148,547	1/2	132,734	1/2	116,580	1/2	100,409		
3/4	3/4	3/4	194,642	3/4	183,161	3/4	171,648	3/4	160,121	3/4	148,252	3/4	132,397	3/4	116,243	3/4	100,072		
6	6	6	194,404	6	182,921	6	171,408	6	159,881	6	147,957	6	132,061	6	115,906	6	99,735		
1/4	1/4	1/4	194,166	1/4	182,682	1/4	171,167	1/4	159,640	1/4	147,662	1/4	131,724	1/4	115,570	1/4	99,398		
1/2	1/2	1/2	193,928	1/2	182,442	1/2	170,927	1/2	159,400	1/2	147,367	1/2	131,388	1/2	115,233	1/2	99,061		
3/4	3/4	3/4	193,690	3/4	182,203	3/4	170,687	3/4	159,160	3/4	147,058	3/4	131,051	3/4	114,897	3/4	98,724		
7	7	7	193,452	7	181,963	7	170,447	7	158,920	7	146,749	7	130,715	7	114,560	7	98,387		
1/4	1/4	1/4	193,214	1/4	181,724	1/4	170,207	1/4	158,680	1/4	146,440	1/4	130,378	1/4	114,223	1/4	98,050		
1/2	1/2	203,780	192,976	1/2	181,484	1/2	169,967	1/2	158,440	1/2	146,131	1/2	130,042	1/2	113,887	1/2	97,713		
3/4	3/4	203,627	192,738	3/4	181,244	3/4	169,727	3/4	158,200	3/4	145,809	3/4	129,705	3/4	113,550	3/4	97,376		
8	8	203,475	192,500	8	181,005	8	169,486	8	157,959	8	145,486	8	129,368	8	113,213	8	97,039		
1/4	1/4	203,323	192,262	1/4	180,765	1/4	169,246	1/4	157,719	1/4	145,163	1/4	129,032	1/4	112,876	1/4	96,702		
1/2	1/2	203,170	192,024	1/2	180,526	1/2	169,006	1/2	157,479	1/2	144,840	1/2	128,695	1/2	112,539	1/2	96,365		
3/4	3/4	202,984	191,784	3/4	180,286	3/4	168,766	3/4	157,239	3/4	144,506	3/4	128,359	3/4	112,202	3/4	96,028		
9	9	202,797	191,545	9	180,047	9	168,526	9	156,999	9	144,171	9	128,022	9	111,865	9	95,691		
1/4	1/4	202,610	191,305	1/4	179,807	1/4	168,286	1/4	156,759	1/4	143,837	1/4	127,686	1/4	111,528	1/4	95,354		
1/2	1/2	202,424	191,066	1/2	179,568	1/2	168,046	1/2	156,519	1/2	143,502	1/2	127,349	1/2	111,191	1/2	95,017		
3/4	3/4	202,203	190,826	3/4	179,328	3/4	167,805	3/4	156,280	3/4	143,166	3/4	127,013	3/4	110,854	3/4	94,680		
10	10	201,982	190,586	10	179,089	10	167,565	10	156,042	10	142,830	10	126,676	10	110,517	10	94,343		
1/4	1/4	201,761	190,347	1/4	178,849	1/4	167,325	1/4	155,804	1/4	142,493	1/4	126,340	1/4	110,180	1/4	94,006		
1/2	1/2	201,540	190,107	1/2	178,610	1/2	167,085	1/2	155,566	1/2	142,157	1/2	126,003	1/2	109,843	1/2	93,669		
3/4	3/4	201,303	189,868	3/4	178,370	3/4	166,845	3/4	155,327	3/4	141,821	3/4	125,666	3/4	109,506	3/4	93,332		
11	11	201,066	189,628	11	178,130	11	166,605	11	155,089	11	141,484	11	125,330	11	109,169	11	92,996		
1/4	1/4	200,829	189,389	1/4	177,891	1/4	166,365	1/4	154,851	1/4	141,148	1/4	124,993	1/4	108,832	1/4	92,659		
1/2	1/2	200,592	189,149	1/2	177,651	1/2	166,124	1/2	154,613	1/2	140,811	1/2	124,657	1/2	108,495	1/2	92,322		
3/4	3/4	200,354	188,910	3/4	177,411	3/4	165,884	3/4	154,374	3/4	140,475	3/4	124,320	3/4	108,159	3/4	91,985		

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 THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "GBL 3432B"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	91,648	0	75,474	0	59,300	0	43,136	0	26,975	0	10,802	0		0		0		0	
1/4	91,311	1/4	75,137	1/4	58,963	1/4	42,800	1/4	26,638	1/4	10,465	1/4		1/4		1/4		1/4	
1/2	90,974	1/2	74,800	1/2	58,626	1/2	42,463	1/2	26,301	1/2	10,128	1/2		1/2		1/2		1/2	
3/4	90,637	3/4	74,463	3/4	58,289	3/4	42,127	3/4	25,964	3/4	9,791	3/4		3/4		3/4		3/4	
1	90,300	1	74,126	1	57,952	1	41,791	1	25,627	1	9,454	1		1		1		1	
1/4	89,963	1/4	73,789	1/4	57,615	1/4	41,454	1/4	25,290	1/4	9,117	1/4		1/4		1/4		1/4	
1/2	89,626	1/2	73,452	1/2	57,278	1/2	41,118	1/2	24,953	1/2	8,780	1/2		1/2		1/2		1/2	
3/4	89,289	3/4	73,115	3/4	56,941	3/4	40,782	3/4	24,616	3/4	8,443	3/4		3/4		3/4		3/4	
2	88,952	2	72,778	2	56,604	2	40,445	2	24,279	2	8,106	2		2		2		2	
1/4	88,615	1/4	72,441	1/4	56,267	1/4	40,109	1/4	23,942	1/4	7,769	1/4		1/4		1/4		1/4	
1/2	88,278	1/2	72,104	1/2	55,930	1/2	39,773	1/2	23,606	1/2	7,432	1/2		1/2		1/2		1/2	
3/4	87,941	3/4	71,767	3/4	55,593	3/4	39,436	3/4	23,269	3/4	7,095	3/4		3/4		3/4		3/4	
3	87,604	3	71,430	3	55,256	3	39,100	3	22,932	3	6,758	3		3		3		3	
1/4	87,267	1/4	71,093	1/4	54,920	1/4	38,763	1/4	22,595	1/4	6,421	1/4		1/4		1/4		1/4	
1/2	86,930	1/2	70,756	1/2	54,583	1/2	38,427	1/2	22,258	1/2	6,084	1/2		1/2		1/2		1/2	
3/4	86,593	3/4	70,419	3/4	54,246	3/4	38,091	3/4	21,921	3/4	5,747	3/4		3/4		3/4		3/4	
4	86,256	4	70,083	4	53,909	4	37,754	4	21,584	4	5,410	4		4		4		4	
1/4	85,919	1/4	69,746	1/4	53,572	1/4	37,418	1/4	21,247	1/4	5,073	1/4		1/4		1/4		1/4	
1/2	85,582	1/2	69,409	1/2	53,235	1/2	37,082	1/2	20,910	1/2	4,737	1/2		1/2		1/2		1/2	
3/4	85,246	3/4	69,072	3/4	52,898	3/4	36,745	3/4	20,573	3/4	4,400	3/4		3/4		3/4		3/4	
5	84,909	5	68,735	5	52,561	5	36,409	5	20,236	5	4,063	5		5		5		5	
1/4	84,572	1/4	68,398	1/4	52,224	1/4	36,072	1/4	19,899	1/4	3,726	1/4		1/4		1/4		1/4	
1/2	84,235	1/2	68,061	1/2	51,887	1/2	35,736	1/2	19,562	1/2	3,389	1/2		1/2		1/2		1/2	
3/4	83,898	3/4	67,724	3/4	51,550	3/4	35,399	3/4	19,225	3/4	3,052	3/4		3/4		3/4		3/4	
6	83,561	6	67,387	6	51,213	6	35,062	6	18,888	6	2,715	6		6		6		6	
1/4	83,224	1/4	67,050	1/4	50,876	1/4	34,725	1/4	18,551	1/4	2,378	1/4		1/4		1/4		1/4	
1/2	82,887	1/2	66,713	1/2	50,539	1/2	34,388	1/2	18,214	1/2	2,041	1/2		1/2		1/2		1/2	
3/4	82,550	3/4	66,376	3/4	50,202	3/4	34,051	3/4	17,877	3/4	1,732	3/4		3/4		3/4		3/4	
7	82,213	7	66,039	7	49,865	7	33,714	7	17,541	7	1,423	7		7		7		7	
1/4	81,876	1/4	65,702	1/4	49,528	1/4	33,377	1/4	17,204	1/4	1,115	1/4		1/4		1/4		1/4	
1/2	81,539	1/2	65,365	1/2	49,191	1/2	33,040	1/2	16,867	1/2	806	1/2		1/2		1/2		1/2	
3/4	81,202	3/4	65,028	3/4	48,855	3/4	32,703	3/4	16,530	3/4		3/4		3/4		3/4		3/4	
8	80,865	8	64,691	8	48,518	8	32,366	8	16,193	8		8		8		8		8	
1/4	80,528	1/4	64,354	1/4	48,182	1/4	32,029	1/4	15,856	1/4		1/4		1/4		1/4		1/4	
1/2	80,191	1/2	64,017	1/2	47,845	1/2	31,692	1/2	15,519	1/2		1/2		1/2		1/2		1/2	
3/4	79,854	3/4	63,680	3/4	47,509	3/4	31,355	3/4	15,182	3/4		3/4		3/4		3/4		3/4	
9	79,517	9	63,343	9	47,172	9	31,018	9	14,845	9		9		9		9		9	
1/4	79,180	1/4	63,006	1/4	46,836	1/4	30,681	1/4	14,508	1/4		1/4		1/4		1/4		1/4	
1/2	78,843	1/2	62,670	1/2	46,500	1/2	30,344	1/2	14,171	1/2		1/2		1/2		1/2		1/2	
3/4	78,506	3/4	62,333	3/4	46,163	3/4	30,008	3/4	13,834	3/4		3/4		3/4		3/4		3/4	
10	78,169	10	61,996	10	45,827	10	29,671	10	13,497	10		10		10		10		10	
1/4	77,833	1/4	61,659	1/4	45,491	1/4	29,334	1/4	13,160	1/4		1/4		1/4		1/4		1/4	
1/2	77,496	1/2	61,322	1/2	45,154	1/2	28,997	1/2	12,823	1/2		1/2		1/2		1/2		1/2	
3/4	77,159	3/4	60,985	3/4	44,818	3/4	28,660	3/4	12,486	3/4		3/4		3/4		3/4		3/4	
11	76,822	11	60,648	11	44,482	11	28,323	11	12,149	11		11		11		11		11	
1/4	76,485	1/4	60,311	1/4	44,145	1/4	27,986	1/4	11,812	1/4		1/4		1/4		1/4		1/4	
1/2	76,148	1/2	59,974	1/2	43,809	1/2	27,649	1/2	11,475	1/2		1/2		1/2		1/2		1/2	
3/4	75,811	3/4	59,637	3/4	43,473	3/4	27,312	3/4	11,139	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "GBL 3432B"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	199,439	0	187,994	0	176,496	0	164,970	0	153,462	0	139,591	0	123,468	0	107,342		
1/4	1/4	1/4	199,201	1/4	187,755	1/4	176,256	1/4	164,730	1/4	153,224	1/4	139,255	1/4	123,132	1/4	107,005		
1/2	1/2	1/2	198,963	1/2	187,515	1/2	176,016	1/2	164,490	1/2	152,986	1/2	138,919	1/2	122,796	1/2	106,669		
3/4	3/4	3/4	198,725	3/4	187,276	3/4	175,776	3/4	164,250	3/4	152,747	3/4	138,583	3/4	122,461	3/4	106,333		
1	1	1	198,487	1	187,036	1	175,536	1	164,009	1	152,510	1	138,247	1	122,125	1	105,996		
1/4	1/4	1/4	198,249	1/4	186,797	1/4	175,296	1/4	163,769	1/4	152,273	1/4	137,911	1/4	121,789	1/4	105,660		
1/2	1/2	1/2	198,011	1/2	186,557	1/2	175,056	1/2	163,529	1/2	152,036	1/2	137,575	1/2	121,454	1/2	105,324		
3/4	3/4	3/4	197,773	3/4	186,318	3/4	174,816	3/4	163,289	3/4	151,798	3/4	137,239	3/4	121,118	3/4	104,987		
2	2	2	197,535	2	186,078	2	174,575	2	163,049	2	151,559	2	136,903	2	120,782	2	104,651		
1/4	1/4	1/4	197,297	1/4	185,839	1/4	174,335	1/4	162,809	1/4	151,320	1/4	136,567	1/4	120,447	1/4	104,314		
1/2	1/2	1/2	197,059	1/2	185,599	1/2	174,095	1/2	162,569	1/2	151,081	1/2	136,231	1/2	120,111	1/2	103,978		
3/4	3/4	3/4	196,821	3/4	185,360	3/4	173,855	3/4	162,328	3/4	150,842	3/4	135,896	3/4	119,775	3/4	103,642		
3	3	3	196,583	3	185,120	3	173,615	3	162,088	3	150,591	3	135,560	3	119,440	3	103,305		
1/4	1/4	1/4	196,345	1/4	184,881	1/4	173,375	1/4	161,848	1/4	150,340	1/4	135,224	1/4	119,104	1/4	102,969		
1/2	1/2	1/2	196,107	1/2	184,641	1/2	173,135	1/2	161,608	1/2	150,089	1/2	134,888	1/2	118,768	1/2	102,632		
3/4	3/4	3/4	195,869	3/4	184,402	3/4	172,894	3/4	161,368	3/4	149,838	3/4	134,552	3/4	118,433	3/4	102,296		
4	4	4	195,631	4	184,162	4	172,654	4	161,128	4	149,571	4	134,216	4	118,097	4	101,960		
1/4	1/4	1/4	195,393	1/4	183,922	1/4	172,414	1/4	160,888	1/4	149,304	1/4	133,880	1/4	117,761	1/4	101,623		
1/2	1/2	1/2	195,155	1/2	183,683	1/2	172,174	1/2	160,647	1/2	149,037	1/2	133,544	1/2	117,426	1/2	101,287		
3/4	3/4	3/4	194,917	3/4	183,443	3/4	171,934	3/4	160,407	3/4	148,770	3/4	133,208	3/4	117,090	3/4	100,951		
5	5	5	194,679	5	183,204	5	171,694	5	160,167	5	148,490	5	132,872	5	116,754	5	100,614		
1/4	1/4	1/4	194,441	1/4	182,964	1/4	171,454	1/4	159,927	1/4	148,209	1/4	132,536	1/4	116,419	1/4	100,278		
1/2	1/2	1/2	194,203	1/2	182,725	1/2	171,213	1/2	159,687	1/2	147,928	1/2	132,200	1/2	116,083	1/2	99,941		
3/4	3/4	3/4	193,965	3/4	182,485	3/4	170,973	3/4	159,447	3/4	147,648	3/4	131,865	3/4	115,747	3/4	99,605		
6	6	6	193,727	6	182,246	6	170,733	6	159,207	6	147,353	6	131,529	6	115,412	6	99,269		
1/4	1/4	1/4	193,489	1/4	182,006	1/4	170,493	1/4	158,967	1/4	147,059	1/4	131,193	1/4	115,076	1/4	98,932		
1/2	1/2	1/2	193,250	1/2	181,767	1/2	170,253	1/2	158,726	1/2	146,764	1/2	130,857	1/2	114,740	1/2	98,596		
3/4	3/4	3/4	193,012	3/4	181,527	3/4	170,013	3/4	158,486	3/4	146,470	3/4	130,521	3/4	114,405	3/4	98,259		
7	7	7	192,774	7	181,288	7	169,773	7	158,246	7	146,161	7	130,185	7	114,069	7	97,923		
1/4	1/4	1/4	192,536	1/4	181,048	1/4	169,533	1/4	158,006	1/4	145,853	1/4	129,849	1/4	113,733	1/4	97,587		
1/2	1/2	1/2	192,298	1/2	180,809	1/2	169,292	1/2	157,766	1/2	145,545	1/2	129,513	1/2	113,397	1/2	97,250		
3/4	3/4	3/4	192,060	3/4	180,569	3/4	169,052	3/4	157,526	3/4	145,237	3/4	129,177	3/4	113,060	3/4	96,914		
8	8	202,864	191,822	8	180,330	8	168,812	8	157,286	8	144,915	8	128,841	8	112,724	8	96,577		
1/4	1/4	202,559	191,584	1/4	180,090	1/4	168,572	1/4	157,045	1/4	144,592	1/4	128,505	1/4	112,388	1/4	96,241		
1/2	1/2	202,407	191,346	1/2	179,850	1/2	168,332	1/2	156,805	1/2	144,270	1/2	128,169	1/2	112,051	1/2	95,905		
3/4	3/4	202,254	191,108	3/4	179,611	3/4	168,092	3/4	156,565	3/4	143,948	3/4	127,833	3/4	111,715	3/4	95,568		
9	9	202,068	190,869	9	179,371	9	167,852	9	156,325	9	143,614	9	127,498	9	111,379	9	95,232		
1/4	1/4	201,881	190,629	1/4	179,132	1/4	167,611	1/4	156,085	1/4	143,280	1/4	127,162	1/4	111,042	1/4	94,896		
1/2	1/2	201,695	190,390	1/2	178,892	1/2	167,371	1/2	155,845	1/2	142,947	1/2	126,826	1/2	110,706	1/2	94,559		
3/4	3/4	201,508	190,150	3/4	178,653	3/4	167,131	3/4	155,605	3/4	142,613	3/4	126,490	3/4	110,369	3/4	94,223		
10	10	201,287	189,911	10	178,413	10	166,891	10	155,367	10	142,277	10	126,154	10	110,033	10	93,886		
1/4	1/4	201,066	189,671	1/4	178,174	1/4	166,651	1/4	155,128	1/4	141,941	1/4	125,818	1/4	109,697	1/4	93,550		
1/2	1/2	200,845	189,432	1/2	177,934	1/2	166,411	1/2	154,890	1/2	141,606	1/2	125,482	1/2	109,360	1/2	93,214		
3/4	3/4	200,624	189,192	3/4	177,695	3/4	166,171	3/4	154,652	3/4	141,270	3/4	125,146	3/4	109,024	3/4	92,877		
11	11	200,387	188,953	11	177,455	11	165,930	11	154,414	11	140,934	11	124,810	11	108,687	11	92,541		
1/4	1/4	200,150	188,713	1/4	177,216	1/4	165,690	1/4	154,176	1/4	140,598	1/4	124,475	1/4	108,351	1/4	92,204		
1/2	1/2	199,913	188,474	1/2	176,976	1/2	165,450	1/2	153,938	1/2	140,262	1/2	124,139	1/2	108,015	1/2	91,868		
3/4	3/4	199,676	188,234	3/4	176,737	3/4	165,210	3/4	153,700	3/4	139,927	3/4	123,803	3/4	107,678	3/4	91,532		

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 THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "GBL 3432B"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 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	91,198	0	75,189	0	59,214	0	43,413	0	27,276	0	11,128	0		0		0		0	
1/4	90,865	1/4	74,853	1/4	58,889	1/4	43,077	1/4	26,939	1/4	10,791	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,531	1/2	74,516	1/2	58,564	1/2	42,741	1/2	26,603	1/2	10,455	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,198	3/4	74,180	3/4	58,239	3/4	42,405	3/4	26,266	3/4	10,118	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	89,864	1	73,844	1	57,913	1	42,069	1	25,930	1	9,782	1	1	1	1	1	1	1	1
1/4	89,531	1/4	73,508	1/4	57,588	1/4	41,733	1/4	25,593	1/4	9,445	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,197	1/2	73,171	1/2	57,263	1/2	41,397	1/2	25,257	1/2	9,109	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,864	3/4	72,835	3/4	56,937	3/4	41,061	3/4	24,921	3/4	8,773	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,530	2	72,499	2	56,612	2	40,726	2	24,584	2	8,436	2	2	2	2	2	2	2	2
1/4	88,197	1/4	72,163	1/4	56,287	1/4	40,390	1/4	24,248	1/4	8,100	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,863	1/2	71,827	1/2	55,962	1/2	40,054	1/2	23,911	1/2	7,763	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,530	3/4	71,490	3/4	55,636	3/4	39,718	3/4	23,575	3/4	7,427	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	87,197	3	71,154	3	55,311	3	39,382	3	23,238	3	7,090	3	3	3	3	3	3	3	3
1/4	86,863	1/4	70,818	1/4	54,986	1/4	39,046	1/4	22,902	1/4	6,754	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,530	1/2	70,482	1/2	54,660	1/2	38,710	1/2	22,565	1/2	6,417	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,196	3/4	70,145	3/4	54,335	3/4	38,375	3/4	22,229	3/4	6,081	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,863	4	69,809	4	54,010	4	38,039	4	21,892	4	5,744	4	4	4	4	4	4	4	4
1/4	85,529	1/4	69,473	1/4	53,685	1/4	37,703	1/4	21,556	1/4	5,408	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,196	1/2	69,137	1/2	53,359	1/2	37,367	1/2	21,220	1/2	5,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,862	3/4	68,801	3/4	53,034	3/4	37,031	3/4	20,883	3/4	4,735	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	84,529	5	68,465	5	52,709	5	36,695	5	20,547	5	4,398	5	5	5	5	5	5	5	5
1/4	84,195	1/4	68,129	1/4	52,383	1/4	36,359	1/4	20,210	1/4	4,062	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,862	1/2	67,793	1/2	52,058	1/2	36,023	1/2	19,874	1/2	3,725	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,528	3/4	67,457	3/4	51,733	3/4	35,687	3/4	19,537	3/4	3,389	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	83,195	6	67,121	6	51,408	6	35,351	6	19,201	6	3,052	6	6	6	6	6	6	6	6
1/4	82,861	1/4	66,784	1/4	51,082	1/4	35,014	1/4	18,865	1/4	2,715	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,528	1/2	66,448	1/2	50,757	1/2	34,678	1/2	18,528	1/2	2,378	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,194	3/4	66,112	3/4	50,432	3/4	34,341	3/4	18,192	3/4	2,041	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	81,861	7	65,776	7	50,104	7	34,005	7	17,856	7	1,732	7	7	7	7	7	7	7	7
1/4	81,528	1/4	65,439	1/4	49,777	1/4	33,668	1/4	17,519	1/4	1,423	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,194	1/2	65,103	1/2	49,450	1/2	33,332	1/2	17,183	1/2	1,115	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,861	3/4	64,767	3/4	49,123	3/4	32,995	3/4	16,847	3/4	806	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	80,527	8	64,438	8	48,787	8	32,659	8	16,511	8		8	8	8	8	8	8	8	8
1/4	80,194	1/4	64,109	1/4	48,451	1/4	32,322	1/4	16,174	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,860	1/2	63,780	1/2	48,115	1/2	31,986	1/2	15,838	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,527	3/4	63,451	3/4	47,779	3/4	31,650	3/4	15,502	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	79,193	9	63,123	9	47,443	9	31,313	9	15,165	9		9	9	9	9	9	9	9	9
1/4	78,860	1/4	62,796	1/4	47,107	1/4	30,977	1/4	14,829	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,526	1/2	62,469	1/2	46,771	1/2	30,640	1/2	14,492	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,193	3/4	62,142	3/4	46,435	3/4	30,304	3/4	14,156	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	77,859	10	61,817	10	46,099	10	29,967	10	13,819	10		10	10	10	10	10	10	10	10
1/4	77,526	1/4	61,491	1/4	45,764	1/4	29,631	1/4	13,483	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,192	1/2	61,166	1/2	45,428	1/2	29,294	1/2	13,146	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,859	3/4	60,841	3/4	45,092	3/4	28,958	3/4	12,810	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	76,526	11	60,516	11	44,756	11	28,621	11	12,474	11		11	11	11	11	11	11	11	11
1/4	76,192	1/4	60,190	1/4	44,420	1/4	28,285	1/4	12,137	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,859	1/2	59,865	1/2	44,084	1/2	27,949	1/2	11,801	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,525	3/4	59,540	3/4	43,748	3/4	27,612	3/4	11,464	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: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

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



# BARGE "GBL 3432B"

## PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01"

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	
0		0		0	4,721	0	3,567	0	2,410	0	1,253	0	96	0		0		0	
1/4	1/4	1/4	1/4	1/4	4,697	1/4	3,543	1/4	2,386	1/4	1,229	1/4	72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,673	1/2	3,518	1/2	2,362	1/2	1,205	1/2	48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,650	3/4	3,494	3/4	2,338	3/4	1,181	3/4	24	3/4	3/4	3/4	3/4	3/4	3/4
1		1		1	4,626	1	3,470	1	2,313	1	1,157	1	0	1		1		1	
1/4	1/4	1/4	1/4	1/4	4,602	1/4	3,446	1/4	2,289	1/4	1,133	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,578	1/2	3,422	1/2	2,265	1/2	1,108	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,554	3/4	3,398	3/4	2,241	3/4	1,084	3/4		3/4	3/4	3/4	3/4	3/4	3/4
2		2		2	4,531	2	3,374	2	2,217	2	1,060	2		2		2		2	
1/4	1/4	1/4	1/4	1/4	4,507	1/4	3,350	1/4	2,193	1/4	1,036	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,482	1/2	3,326	1/2	2,169	1/2	1,012	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,458	3/4	3,302	3/4	2,145	3/4	988	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3		3		3	4,434	3	3,277	3	2,121	3	964	3		3		3		3	
1/4	1/4	1/4	1/4	1/4	4,410	1/4	3,253	1/4	2,097	1/4	940	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,386	1/2	3,229	1/2	2,072	1/2	916	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,362	3/4	3,205	3/4	2,048	3/4	892	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4		4		4	4,338	4	3,181	4	2,024	4	867	4		4		4		4	
1/4	1/4	1/4	1/4	1/4	4,314	1/4	3,157	1/4	2,000	1/4	843	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,290	1/2	3,133	1/2	1,976	1/2	819	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,266	3/4	3,109	3/4	1,952	3/4	795	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5		5		5	4,241	5	3,085	5	1,928	5	771	5		5		5		5	
1/4	1/4	1/4	1/4	1/4	4,217	1/4	3,061	1/4	1,904	1/4	747	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,193	1/2	3,036	1/2	1,880	1/2	723	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,169	3/4	3,012	3/4	1,856	3/4	699	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6		6		6	4,145	6	2,988	6	1,831	6	675	6		6		6		6	
1/4	1/4	1/4	1/4	1/4	4,121	1/4	2,964	1/4	1,807	1/4	651	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,097	1/2	2,940	1/2	1,783	1/2	626	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,073	3/4	2,916	3/4	1,759	3/4	602	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7		7		7	4,049	7	2,892	7	1,735	7	578	7		7		7		7	
1/4	1/4	1/4	1/4	1/4	4,025	1/4	2,868	1/4	1,711	1/4	554	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,194	1/2	4,000	1/2	2,844	1/2	1,687	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,146	3/4	3,976	3/4	2,820	3/4	1,663	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8		8		8	5,099	8	3,952	8	2,795	8	1,639	8		8		8		8	
1/4	1/4	1/4	1/4	1/4	5,075	1/4	3,928	1/4	2,771	1/4	1,615	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,051	1/2	3,904	1/2	2,747	1/2	1,590	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,028	3/4	3,880	3/4	2,723	3/4	1,566	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9		9		9	5,004	9	3,856	9	2,699	9	1,542	9		9		9		9	
1/4	1/4	1/4	1/4	1/4	4,980	1/4	3,832	1/4	2,675	1/4	1,518	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,957	1/2	3,808	1/2	2,651	1/2	1,494	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,933	3/4	3,784	3/4	2,627	3/4	1,470	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10		10		10	4,910	10	3,759	10	2,603	10	1,446	10		10		10		10	
1/4	1/4	1/4	1/4	1/4	4,886	1/4	3,735	1/4	2,579	1/4	1,422	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,862	1/2	3,711	1/2	2,554	1/2	1,398	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,839	3/4	3,687	3/4	2,530	3/4	1,374	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11		11		11	4,815	11	3,663	11	2,506	11	1,349	11		11		11		11	
1/4	1/4	1/4	1/4	1/4	4,791	1/4	3,639	1/4	2,482	1/4	1,325	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,768	1/2	3,615	1/2	2,458	1/2	1,301	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,744	3/4	3,591	3/4	2,434	3/4	1,277	3/4		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 ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

STRAPPED: 11/07/2012 CL - SW  
CALCULATED: 11/08/2012 CL  
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2012

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



# BARGE "GBL 3432B"

## STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01"

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	
0		0		0	4,721	0	3,567	0	2,410	0	1,253	0	96	0		0		0	
1/4	1/4	1/4	1/4	1/4	4,697	1/4	3,543	1/4	2,386	1/4	1,229	1/4	72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,673	1/2	3,518	1/2	2,362	1/2	1,205	1/2	48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,650	3/4	3,494	3/4	2,338	3/4	1,181	3/4	24	3/4	3/4	3/4	3/4	3/4	3/4
1		1		1	4,626	1	3,470	1	2,313	1	1,157	1	0	1		1		1	
1/4	1/4	1/4	1/4	1/4	4,602	1/4	3,446	1/4	2,289	1/4	1,133	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,578	1/2	3,422	1/2	2,265	1/2	1,108	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,554	3/4	3,398	3/4	2,241	3/4	1,084	3/4		3/4	3/4	3/4	3/4	3/4	3/4
2		2		2	4,531	2	3,374	2	2,217	2	1,060	2	2	2		2		2	
1/4	1/4	1/4	1/4	1/4	4,507	1/4	3,350	1/4	2,193	1/4	1,036	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,482	1/2	3,326	1/2	2,169	1/2	1,012	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,458	3/4	3,302	3/4	2,145	3/4	988	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3		3		3	4,434	3	3,277	3	2,121	3	964	3	3	3		3		3	
1/4	1/4	1/4	1/4	1/4	4,410	1/4	3,253	1/4	2,097	1/4	940	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,386	1/2	3,229	1/2	2,072	1/2	916	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,362	3/4	3,205	3/4	2,048	3/4	892	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4		4		4	4,338	4	3,181	4	2,024	4	867	4	4	4		4		4	
1/4	1/4	1/4	1/4	1/4	4,314	1/4	3,157	1/4	2,000	1/4	843	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,290	1/2	3,133	1/2	1,976	1/2	819	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,266	3/4	3,109	3/4	1,952	3/4	795	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5		5		5	4,241	5	3,085	5	1,928	5	771	5	5	5		5		5	
1/4	1/4	1/4	1/4	1/4	4,217	1/4	3,061	1/4	1,904	1/4	747	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,193	1/2	3,036	1/2	1,880	1/2	723	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,169	3/4	3,012	3/4	1,856	3/4	699	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6		6		6	4,145	6	2,988	6	1,831	6	675	6	6	6		6		6	
1/4	1/4	1/4	1/4	1/4	4,121	1/4	2,964	1/4	1,807	1/4	651	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,097	1/2	2,940	1/2	1,783	1/2	626	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,073	3/4	2,916	3/4	1,759	3/4	602	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7		7		7	4,049	7	2,892	7	1,735	7	578	7	7	7		7		7	
1/4	1/4	1/4	1/4	1/4	4,025	1/4	2,868	1/4	1,711	1/4	554	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,194	1/2	4,000	1/2	2,844	1/2	1,687	1/2	530	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,146	3/4	3,976	3/4	2,820	3/4	1,663	3/4	506	3/4	3/4	3/4	3/4	3/4	3/4
8		8		8	5,099	8	3,952	8	2,795	8	1,639	8	482	8		8		8	
1/4	1/4	1/4	1/4	1/4	5,075	1/4	3,928	1/4	2,771	1/4	1,615	1/4	458	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,051	1/2	3,904	1/2	2,747	1/2	1,590	1/2	434	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,028	3/4	3,880	3/4	2,723	3/4	1,566	3/4	410	3/4	3/4	3/4	3/4	3/4	3/4
9		9		9	5,004	9	3,856	9	2,699	9	1,542	9	385	9		9		9	
1/4	1/4	1/4	1/4	1/4	4,980	1/4	3,832	1/4	2,675	1/4	1,518	1/4	361	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,957	1/2	3,808	1/2	2,651	1/2	1,494	1/2	337	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,933	3/4	3,784	3/4	2,627	3/4	1,470	3/4	313	3/4	3/4	3/4	3/4	3/4	3/4
10		10		10	4,910	10	3,759	10	2,603	10	1,446	10	289	10		10		10	
1/4	1/4	1/4	1/4	1/4	4,886	1/4	3,735	1/4	2,579	1/4	1,422	1/4	265	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,862	1/2	3,711	1/2	2,554	1/2	1,398	1/2	241	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,839	3/4	3,687	3/4	2,530	3/4	1,374	3/4	217	3/4	3/4	3/4	3/4	3/4	3/4
11		11		11	4,815	11	3,663	11	2,506	11	1,349	11	193	11		11		11	
1/4	1/4	1/4	1/4	1/4	4,791	1/4	3,639	1/4	2,482	1/4	1,325	1/4	169	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,768	1/2	3,615	1/2	2,458	1/2	1,301	1/2	144	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,744	3/4	3,591	3/4	2,434	3/4	1,277	3/4	120	3/4	3/4	3/4	3/4	3/4	3/4

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