



# BARGE "HSM 3044"

## ULLAGE TRIM TABLE

### 8" HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 3'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-09"

May 10, 2019

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

<http://www.pmacorp.net>



# BARGE "HSM 3044"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	207,430	0	192,424	0	177,393	0	162,335	0	147,278	0	132,221	0	117,164	0	102,107	0	87,050		
1/4	1/4	207,119	1/4	192,111	1/4	177,079	1/4	162,022	1/4	146,965	1/4	131,907	1/4	116,850	1/4	101,793	1/4	86,736		
1/2	1/2	206,809	1/2	191,799	1/2	176,765	1/2	161,708	1/2	146,651	1/2	131,594	1/2	116,537	1/2	101,479	1/2	86,422		
3/4	3/4	206,498	3/4	191,486	3/4	176,451	3/4	161,394	3/4	146,337	3/4	131,280	3/4	116,223	3/4	101,166	3/4	86,109		
1	1	206,185	1	191,173	1	176,138	1	161,081	1	146,023	1	130,966	1	115,909	1	100,852	1	85,795		
1/4	1/4	205,873	1/4	190,860	1/4	175,824	1/4	160,767	1/4	145,710	1/4	130,653	1/4	115,595	1/4	100,538	1/4	85,481		
1/2	1/2	205,560	1/2	190,548	1/2	175,510	1/2	160,453	1/2	145,396	1/2	130,339	1/2	115,282	1/2	100,225	1/2	85,168		
3/4	3/4	205,248	3/4	190,235	3/4	175,197	3/4	160,140	3/4	145,082	3/4	130,025	3/4	114,968	3/4	99,911	3/4	84,854		
2	2	204,935	2	189,922	2	174,883	2	159,826	2	144,769	2	129,712	2	114,654	2	99,597	2	84,540		
1/4	1/4	204,623	1/4	189,609	1/4	174,569	1/4	159,512	1/4	144,455	1/4	129,398	1/4	114,341	1/4	99,284	1/4	84,226		
1/2	1/2	204,310	1/2	189,296	1/2	174,256	1/2	159,198	1/2	144,141	1/2	129,084	1/2	114,027	1/2	98,970	1/2	83,913		
3/4	3/4	203,997	3/4	188,984	3/4	173,942	3/4	158,885	3/4	143,828	3/4	128,770	3/4	113,713	3/4	98,656	3/4	83,599		
3	3	203,684	3	188,671	3	173,628	3	158,571	3	143,514	3	128,457	3	113,400	3	98,343	3	83,285		
1/4	1/4	203,372	1/4	188,358	1/4	173,315	1/4	158,257	1/4	143,200	1/4	128,143	1/4	113,086	1/4	98,029	1/4	82,972		
1/2	1/2	203,059	1/2	188,045	1/2	173,001	1/2	157,944	1/2	142,887	1/2	127,829	1/2	112,772	1/2	97,715	1/2	82,658		
3/4	3/4	202,746	3/4	187,733	3/4	172,687	3/4	157,630	3/4	142,573	3/4	127,516	3/4	112,459	3/4	97,401	3/4	82,344		
4	4	202,433	4	187,420	4	172,373	4	157,316	4	142,259	4	127,202	4	112,145	4	97,088	4	82,031		
1/4	1/4	202,120	1/4	187,107	1/4	172,060	1/4	157,003	1/4	141,945	1/4	126,888	1/4	111,831	1/4	96,774	1/4	81,717		
1/2	1/2	201,808	1/2	186,794	1/2	171,746	1/2	156,689	1/2	141,632	1/2	126,575	1/2	111,518	1/2	96,460	1/2	81,403		
3/4	3/4	201,495	3/4	186,481	3/4	171,432	3/4	156,375	3/4	141,318	3/4	126,261	3/4	111,204	3/4	96,147	3/4	81,090		
5	5	201,182	5	186,169	5	171,119	5	156,062	5	141,004	5	125,947	5	110,890	5	95,833	5	80,776		
1/4	1/4	200,869	1/4	185,856	1/4	170,805	1/4	155,748	1/4	140,691	1/4	125,634	1/4	110,576	1/4	95,519	1/4	80,462		
1/2	1/2	200,557	1/2	185,543	1/2	170,491	1/2	155,434	1/2	140,377	1/2	125,320	1/2	110,263	1/2	95,206	1/2	80,148		
3/4	3/4	200,244	3/4	185,230	3/4	170,178	3/4	155,121	3/4	140,063	3/4	125,006	3/4	109,949	3/4	94,892	3/4	79,835		
6	6	199,931	6	184,918	6	169,864	6	154,807	6	139,750	6	124,693	6	109,635	6	94,578	6	79,521		
1/4	1/4	199,618	1/4	184,605	1/4	169,550	1/4	154,493	1/4	139,436	1/4	124,379	1/4	109,322	1/4	94,265	1/4	79,207		
1/2	1/2	199,305	1/2	184,292	1/2	169,237	1/2	154,179	1/2	139,122	1/2	124,065	1/2	109,008	1/2	93,951	1/2	78,894		
3/4	3/4	198,993	3/4	183,979	3/4	168,923	3/4	153,866	3/4	138,809	3/4	123,751	3/4	108,694	3/4	93,637	3/4	78,580		
7	7	198,680	7	183,666	7	168,609	7	153,552	7	138,495	7	123,438	7	108,381	7	93,323	7	78,266		
1/4	1/4	198,367	1/4	183,352	1/4	168,296	1/4	153,238	1/4	138,181	1/4	123,124	1/4	108,067	1/4	93,010	1/4	77,953		
1/2	1/2	198,054	1/2	183,039	1/2	167,982	1/2	152,925	1/2	137,868	1/2	122,810	1/2	107,753	1/2	92,696	1/2	77,639		
3/4	3/4	197,742	3/4	182,725	3/4	167,668	3/4	152,611	3/4	137,554	3/4	122,497	3/4	107,440	3/4	92,382	3/4	77,325		
8	8	197,429	8	182,412	8	167,354	8	152,297	8	137,240	8	122,183	8	107,126	8	92,069	8	77,012		
1/4	1/4	197,116	1/4	182,098	1/4	167,041	1/4	151,984	1/4	136,926	1/4	121,869	1/4	106,812	1/4	91,755	1/4	76,698		
1/2	1/2	211,036	1/2	196,803	1/2	181,784	1/2	166,727	1/2	151,670	1/2	136,613	1/2	121,556	1/2	106,498	1/2	91,441	1/2	76,384
3/4	3/4	210,857	3/4	196,490	3/4	181,471	3/4	166,413	3/4	151,356	3/4	136,299	3/4	121,242	3/4	106,185	3/4	91,128	3/4	76,070
9	9	210,639	9	196,178	9	181,157	9	166,100	9	151,043	9	135,985	9	120,928	9	105,871	9	90,814	9	75,757
1/4	1/4	210,420	1/4	195,865	1/4	180,843	1/4	165,786	1/4	150,729	1/4	135,672	1/4	120,615	1/4	105,557	1/4	90,500	1/4	75,443
1/2	1/2	210,202	1/2	195,552	1/2	180,529	1/2	165,472	1/2	150,415	1/2	135,358	1/2	120,301	1/2	105,244	1/2	90,187	1/2	75,129
3/4	3/4	209,984	3/4	195,239	3/4	180,216	3/4	165,159	3/4	150,101	3/4	135,044	3/4	119,987	3/4	104,930	3/4	89,873	3/4	74,816
10	10	209,721	10	194,926	10	179,902	10	164,845	10	149,788	10	134,731	10	119,673	10	104,616	10	89,559	10	74,502
1/4	1/4	209,459	1/4	194,614	1/4	179,588	1/4	164,531	1/4	149,474	1/4	134,417	1/4	119,360	1/4	104,303	1/4	89,245	1/4	74,188
1/2	1/2	209,197	1/2	194,301	1/2	179,275	1/2	164,218	1/2	149,160	1/2	134,103	1/2	119,046	1/2	103,989	1/2	88,932	1/2	73,875
3/4	3/4	208,935	3/4	193,988	3/4	178,961	3/4	163,904	3/4	148,847	3/4	133,790	3/4	118,732	3/4	103,675	3/4	88,618	3/4	73,561
11	11	208,636	11	193,675	11	178,647	11	163,590	11	148,533	11	133,476	11	118,419	11	103,362	11	88,304	11	73,247
1/4	1/4	208,338	1/4	193,363	1/4	178,334	1/4	163,276	1/4	148,219	1/4	133,162	1/4	118,105	1/4	103,048	1/4	87,991	1/4	72,934
1/2	1/2	208,039	1/2	193,050	1/2	178,020	1/2	162,963	1/2	147,906	1/2	132,848	1/2	117,791	1/2	102,734	1/2	87,677	1/2	72,620
3/4	3/4	207,741	3/4	192,737	3/4	177,706	3/4	162,649	3/4	147,592	3/4	132,535	3/4	117,478	3/4	102,420	3/4	87,363	3/4	72,306

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 LIP OF 8" HATCH  
 GAUGE POINT: (8" HATCH) LOCATED 14'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3044"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-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	71,992	0	56,935	0	41,896	0	26,973	0	12,111	0		0		0		0		0	
1/4	71,679	1/4	56,622	1/4	41,585	1/4	26,659	1/4	11,818	1/4		1/4		1/4		1/4		1/4	
1/2	71,365	1/2	56,308	1/2	41,274	1/2	26,345	1/2	11,524	1/2		1/2		1/2		1/2		1/2	
3/4	71,051	3/4	55,994	3/4	40,963	3/4	26,031	3/4	11,231	3/4		3/4		3/4		3/4		3/4	
1	70,738	1	55,681	1	40,652	1	25,718	1	10,941	1		1		1		1		1	
1/4	70,424	1/4	55,367	1/4	40,342	1/4	25,404	1/4	10,652	1/4		1/4		1/4		1/4		1/4	
1/2	70,110	1/2	55,053	1/2	40,031	1/2	25,090	1/2	10,362	1/2		1/2		1/2		1/2		1/2	
3/4	69,797	3/4	54,740	3/4	39,721	3/4	24,777	3/4	10,072	3/4		3/4		3/4		3/4		3/4	
2	69,483	2	54,426	2	39,410	2	24,463	2	9,787	2		2		2		2		2	
1/4	69,169	1/4	54,112	1/4	39,100	1/4	24,149	1/4	9,501	1/4		1/4		1/4		1/4		1/4	
1/2	68,856	1/2	53,798	1/2	38,790	1/2	23,836	1/2	9,215	1/2		1/2		1/2		1/2		1/2	
3/4	68,542	3/4	53,485	3/4	38,479	3/4	23,522	3/4	8,929	3/4		3/4		3/4		3/4		3/4	
3	68,228	3	53,171	3	38,169	3	23,208	3	8,647	3		3		3		3		3	
1/4	67,915	1/4	52,857	1/4	37,859	1/4	22,895	1/4	8,366	1/4		1/4		1/4		1/4		1/4	
1/2	67,601	1/2	52,544	1/2	37,549	1/2	22,581	1/2	8,084	1/2		1/2		1/2		1/2		1/2	
3/4	67,287	3/4	52,230	3/4	37,238	3/4	22,267	3/4	7,802	3/4		3/4		3/4		3/4		3/4	
4	66,973	4	51,916	4	36,928	4	21,954	4	7,524	4		4		4		4		4	
1/4	66,660	1/4	51,603	1/4	36,618	1/4	21,640	1/4	7,246	1/4		1/4		1/4		1/4		1/4	
1/2	66,346	1/2	51,289	1/2	36,308	1/2	21,326	1/2	6,968	1/2		1/2		1/2		1/2		1/2	
3/4	66,032	3/4	50,975	3/4	35,997	3/4	21,013	3/4	6,690	3/4		3/4		3/4		3/4		3/4	
5	65,719	5	50,662	5	35,687	5	20,699	5	6,415	5		5		5		5		5	
1/4	65,405	1/4	50,348	1/4	35,377	1/4	20,385	1/4	6,141	1/4		1/4		1/4		1/4		1/4	
1/2	65,091	1/2	50,034	1/2	35,067	1/2	20,072	1/2	5,867	1/2		1/2		1/2		1/2		1/2	
3/4	64,778	3/4	49,720	3/4	34,756	3/4	19,758	3/4	5,593	3/4		3/4		3/4		3/4		3/4	
6	64,464	6	49,407	6	34,446	6	19,444	6	5,323	6		6		6		6		6	
1/4	64,150	1/4	49,093	1/4	34,136	1/4	19,130	1/4	5,054	1/4		1/4		1/4		1/4		1/4	
1/2	63,837	1/2	48,779	1/2	33,826	1/2	18,817	1/2	4,784	1/2		1/2		1/2		1/2		1/2	
3/4	63,523	3/4	48,466	3/4	33,515	3/4	18,503	3/4	4,514	3/4		3/4		3/4		3/4		3/4	
7	63,209	7	48,152	7	33,205	7	18,191	7	4,248	7		7		7		7		7	
1/4	62,895	1/4	47,838	1/4	32,895	1/4	17,879	1/4	3,983	1/4		1/4		1/4		1/4		1/4	
1/2	62,582	1/2	47,525	1/2	32,585	1/2	17,566	1/2	3,717	1/2		1/2		1/2		1/2		1/2	
3/4	62,268	3/4	47,211	3/4	32,274	3/4	17,254	3/4	3,452	3/4		3/4		3/4		3/4		3/4	
8	61,954	8	46,897	8	31,964	8	16,945	8	3,191	8		8		8		8		8	
1/4	61,641	1/4	46,584	1/4	31,654	1/4	16,636	1/4	2,931	1/4		1/4		1/4		1/4		1/4	
1/2	61,327	1/2	46,270	1/2	31,343	1/2	16,328	1/2	2,670	1/2		1/2		1/2		1/2		1/2	
3/4	61,013	3/4	45,956	3/4	31,033	3/4	16,019	3/4	2,409	3/4		3/4		3/4		3/4		3/4	
9	60,700	9	45,642	9	30,723	9	15,714	9	2,154	9		9		9		9		9	
1/4	60,386	1/4	45,329	1/4	30,413	1/4	15,409	1/4	1,899	1/4		1/4		1/4		1/4		1/4	
1/2	60,072	1/2	45,015	1/2	30,102	1/2	15,104	1/2	1,643	1/2		1/2		1/2		1/2		1/2	
3/4	59,759	3/4	44,701	3/4	29,792	3/4	14,799	3/4	1,388	3/4		3/4		3/4		3/4		3/4	
10	59,445	10	44,389	10	29,479	10	14,497	10	1,174	10		10		10		10		10	
1/4	59,131	1/4	44,077	1/4	29,167	1/4	14,196	1/4	959	1/4		1/4		1/4		1/4		1/4	
1/2	58,817	1/2	43,765	1/2	28,854	1/2	13,895	1/2	744	1/2		1/2		1/2		1/2		1/2	
3/4	58,504	3/4	43,453	3/4	28,541	3/4	13,594	3/4	530	3/4		3/4		3/4		3/4		3/4	
11	58,190	11	43,141	11	28,227	11	13,297	11	315	11		11		11		11		11	
1/4	57,876	1/4	42,830	1/4	27,914	1/4	12,999	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	57,563	1/2	42,518	1/2	27,600	1/2	12,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	57,249	3/4	42,206	3/4	27,286	3/4	12,405	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "HSM 3044"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	207,177	0	192,149	0	177,097	0	162,022	0	146,946	0	131,871	0	116,796	0	101,720	0	86,645	
1/4	1/4	206,866	1/4	191,836	1/4	176,783	1/4	161,708	1/4	146,632	1/4	131,557	1/4	116,481	1/4	101,406	1/4	86,331	
1/2	1/2	206,553	1/2	191,522	1/2	176,469	1/2	161,394	1/2	146,318	1/2	131,243	1/2	116,167	1/2	101,092	1/2	86,017	
3/4	3/4	206,240	3/4	191,209	3/4	176,155	3/4	161,080	3/4	146,004	3/4	130,929	3/4	115,853	3/4	100,778	3/4	85,703	
1	1	205,927	1	190,896	1	175,841	1	160,765	1	145,690	1	130,615	1	115,539	1	100,464	1	85,388	
1/4	1/4	205,614	1/4	190,583	1/4	175,527	1/4	160,451	1/4	145,376	1/4	130,301	1/4	115,225	1/4	100,150	1/4	85,074	
1/2	1/2	205,301	1/2	190,270	1/2	175,213	1/2	160,137	1/2	145,062	1/2	129,987	1/2	114,911	1/2	99,836	1/2	84,760	
3/4	3/4	204,988	3/4	189,957	3/4	174,899	3/4	159,823	3/4	144,748	3/4	129,672	3/4	114,597	3/4	99,522	3/4	84,446	
2	2	204,675	2	189,644	2	174,585	2	159,509	2	144,434	2	129,358	2	114,283	2	99,208	2	84,132	
1/4	1/4	204,362	1/4	189,330	1/4	174,271	1/4	159,195	1/4	144,120	1/4	129,044	1/4	113,969	1/4	98,894	1/4	83,818	
1/2	1/2	204,049	1/2	189,017	1/2	173,956	1/2	158,881	1/2	143,806	1/2	128,730	1/2	113,655	1/2	98,579	1/2	83,504	
3/4	3/4	203,736	3/4	188,704	3/4	173,642	3/4	158,567	3/4	143,492	3/4	128,416	3/4	113,341	3/4	98,265	3/4	83,190	
3	3	203,423	3	188,391	3	173,328	3	158,253	3	143,177	3	128,102	3	113,027	3	97,951	3	82,876	
1/4	1/4	203,109	1/4	188,078	1/4	173,014	1/4	157,939	1/4	142,863	1/4	127,788	1/4	112,713	1/4	97,637	1/4	82,562	
1/2	1/2	202,796	1/2	187,765	1/2	172,700	1/2	157,625	1/2	142,549	1/2	127,474	1/2	112,399	1/2	97,323	1/2	82,248	
3/4	3/4	202,483	3/4	187,451	3/4	172,386	3/4	157,311	3/4	142,235	3/4	127,160	3/4	112,084	3/4	97,009	3/4	81,934	
4	4	202,170	4	187,138	4	172,072	4	156,997	4	141,921	4	126,846	4	111,770	4	96,695	4	81,620	
1/4	1/4	201,857	1/4	186,825	1/4	171,758	1/4	156,683	1/4	141,607	1/4	126,532	1/4	111,456	1/4	96,381	1/4	81,306	
1/2	1/2	201,544	1/2	186,512	1/2	171,444	1/2	156,368	1/2	141,293	1/2	126,218	1/2	111,142	1/2	96,067	1/2	80,991	
3/4	3/4	201,230	3/4	186,199	3/4	171,130	3/4	156,054	3/4	140,979	3/4	125,904	3/4	110,828	3/4	95,753	3/4	80,677	
5	5	200,917	5	185,886	5	170,816	5	155,740	5	140,665	5	125,590	5	110,514	5	95,439	5	80,363	
1/4	1/4	200,604	1/4	185,572	1/4	170,502	1/4	155,426	1/4	140,351	1/4	125,275	1/4	110,200	1/4	95,125	1/4	80,049	
1/2	1/2	200,291	1/2	185,259	1/2	170,188	1/2	155,112	1/2	140,037	1/2	124,961	1/2	109,886	1/2	94,811	1/2	79,735	
3/4	3/4	199,978	3/4	184,946	3/4	169,874	3/4	154,798	3/4	139,723	3/4	124,647	3/4	109,572	3/4	94,497	3/4	79,421	
6	6	199,665	6	184,633	6	169,559	6	154,484	6	139,409	6	124,333	6	109,258	6	94,182	6	79,107	
1/4	1/4	199,351	1/4	184,320	1/4	169,245	1/4	154,170	1/4	139,095	1/4	124,019	1/4	108,944	1/4	93,868	1/4	78,793	
1/2	1/2	199,038	1/2	184,006	1/2	168,931	1/2	153,856	1/2	138,781	1/2	123,705	1/2	108,630	1/2	93,554	1/2	78,479	
3/4	3/4	198,725	3/4	183,692	3/4	168,617	3/4	153,542	3/4	138,466	3/4	123,391	3/4	108,316	3/4	93,240	3/4	78,165	
7	7	198,412	7	183,378	7	168,303	7	153,228	7	138,152	7	123,077	7	108,002	7	92,926	7	77,851	
1/4	1/4	198,099	1/4	183,064	1/4	167,989	1/4	152,914	1/4	137,838	1/4	122,763	1/4	107,687	1/4	92,612	1/4	77,537	
1/2	1/2	197,786	1/2	182,750	1/2	167,675	1/2	152,600	1/2	137,524	1/2	122,449	1/2	107,373	1/2	92,298	1/2	77,223	
3/4	3/4	197,472	3/4	182,436	3/4	167,361	3/4	152,286	3/4	137,210	3/4	122,135	3/4	107,059	3/4	91,984	3/4	76,909	
8	211,410	197,159	8	182,122	8	167,047	8	151,971	8	136,896	8	121,821	8	106,745	8	91,670	8	76,594	
1/4	211,230	196,846	1/4	181,808	1/4	166,733	1/4	151,657	1/4	136,582	1/4	121,507	1/4	106,431	1/4	91,356	1/4	76,280	
1/2	211,012	196,533	1/2	181,494	1/2	166,419	1/2	151,343	1/2	136,268	1/2	121,193	1/2	106,117	1/2	91,042	1/2	75,966	
3/4	210,793	196,220	3/4	181,180	3/4	166,105	3/4	151,029	3/4	135,954	3/4	120,878	3/4	105,803	3/4	90,728	3/4	75,652	
9	210,574	195,907	9	180,866	9	165,791	9	150,715	9	135,640	9	120,564	9	105,489	9	90,414	9	75,338	
1/4	210,356	195,594	1/4	180,552	1/4	165,477	1/4	150,401	1/4	135,326	1/4	120,250	1/4	105,175	1/4	90,100	1/4	75,024	
1/2	210,093	195,280	1/2	180,238	1/2	165,162	1/2	150,087	1/2	135,012	1/2	119,936	1/2	104,861	1/2	89,785	1/2	74,710	
3/4	209,831	194,967	3/4	179,924	3/4	164,848	3/4	149,773	3/4	134,698	3/4	119,622	3/4	104,547	3/4	89,471	3/4	74,396	
10	209,568	194,654	10	179,610	10	164,534	10	149,459	10	134,384	10	119,308	10	104,233	10	89,157	10	74,082	
1/4	209,306	194,341	1/4	179,296	1/4	164,220	1/4	149,145	1/4	134,069	1/4	118,994	1/4	103,919	1/4	88,843	1/4	73,768	
1/2	209,007	194,028	1/2	178,982	1/2	163,906	1/2	148,831	1/2	133,755	1/2	118,680	1/2	103,605	1/2	88,529	1/2	73,454	
3/4	208,708	193,715	3/4	178,667	3/4	163,592	3/4	148,517	3/4	133,441	3/4	118,366	3/4	103,291	3/4	88,215	3/4	73,140	
11	208,409	193,401	11	178,353	11	163,278	11	148,203	11	133,127	11	118,052	11	102,976	11	87,901	11	72,826	
1/4	208,110	193,088	1/4	178,039	1/4	162,964	1/4	147,889	1/4	132,813	1/4	117,738	1/4	102,662	1/4	87,587	1/4	72,512	
1/2	207,799	192,775	1/2	177,725	1/2	162,650	1/2	147,574	1/2	132,499	1/2	117,424	1/2	102,348	1/2	87,273	1/2	72,197	
3/4	207,488	192,462	3/4	177,411	3/4	162,336	3/4	147,260	3/4	132,185	3/4	117,110	3/4	102,034	3/4	86,959	3/4	71,883	

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 LIP OF 8" HATCH  
 GAUGE POINT: (8" HATCH) LOCATED 14'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3044"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	71,569	0	56,494	0	41,420	0	26,374	0	11,535	0		0		0		0		0	
1/4	71,255	1/4	56,180	1/4	41,106	1/4	26,060	1/4	11,241	1/4		1/4		1/4		1/4		1/4	
1/2	70,941	1/2	55,866	1/2	40,792	1/2	25,746	1/2	10,952	1/2		1/2		1/2		1/2		1/2	
3/4	70,627	3/4	55,552	3/4	40,479	3/4	25,432	3/4	10,662	3/4		3/4		3/4		3/4		3/4	
1	70,313	1	55,238	1	40,165	1	25,117	1	10,372	1		1		1		1		1	
1/4	69,999	1/4	54,924	1/4	39,852	1/4	24,803	1/4	10,082	1/4		1/4		1/4		1/4		1/4	
1/2	69,685	1/2	54,610	1/2	39,538	1/2	24,489	1/2	9,796	1/2		1/2		1/2		1/2		1/2	
3/4	69,371	3/4	54,295	3/4	39,225	3/4	24,175	3/4	9,510	3/4		3/4		3/4		3/4		3/4	
2	69,057	2	53,981	2	38,912	2	23,861	2	9,223	2		2		2		2		2	
1/4	68,743	1/4	53,667	1/4	38,598	1/4	23,547	1/4	8,937	1/4		1/4		1/4		1/4		1/4	
1/2	68,429	1/2	53,353	1/2	38,285	1/2	23,233	1/2	8,655	1/2		1/2		1/2		1/2		1/2	
3/4	68,115	3/4	53,039	3/4	37,972	3/4	22,919	3/4	8,373	3/4		3/4		3/4		3/4		3/4	
3	67,801	3	52,725	3	37,659	3	22,605	3	8,091	3		3		3		3		3	
1/4	67,486	1/4	52,411	1/4	37,345	1/4	22,291	1/4	7,809	1/4		1/4		1/4		1/4		1/4	
1/2	67,172	1/2	52,097	1/2	37,032	1/2	21,977	1/2	7,530	1/2		1/2		1/2		1/2		1/2	
3/4	66,858	3/4	51,783	3/4	36,719	3/4	21,663	3/4	7,252	3/4		3/4		3/4		3/4		3/4	
4	66,544	4	51,469	4	36,406	4	21,349	4	6,974	4		4		4		4		4	
1/4	66,230	1/4	51,155	1/4	36,092	1/4	21,035	1/4	6,695	1/4		1/4		1/4		1/4		1/4	
1/2	65,916	1/2	50,841	1/2	35,779	1/2	20,721	1/2	6,421	1/2		1/2		1/2		1/2		1/2	
3/4	65,602	3/4	50,527	3/4	35,466	3/4	20,407	3/4	6,147	3/4		3/4		3/4		3/4		3/4	
5	65,288	5	50,213	5	35,153	5	20,092	5	5,872	5		5		5		5		5	
1/4	64,974	1/4	49,898	1/4	34,839	1/4	19,778	1/4	5,598	1/4		1/4		1/4		1/4		1/4	
1/2	64,660	1/2	49,584	1/2	34,526	1/2	19,464	1/2	5,328	1/2		1/2		1/2		1/2		1/2	
3/4	64,346	3/4	49,270	3/4	34,213	3/4	19,150	3/4	5,058	3/4		3/4		3/4		3/4		3/4	
6	64,032	6	48,956	6	33,900	6	18,836	6	4,788	6		6		6		6		6	
1/4	63,718	1/4	48,642	1/4	33,586	1/4	18,522	1/4	4,517	1/4		1/4		1/4		1/4		1/4	
1/2	63,404	1/2	48,328	1/2	33,273	1/2	18,210	1/2	4,252	1/2		1/2		1/2		1/2		1/2	
3/4	63,089	3/4	48,014	3/4	32,960	3/4	17,897	3/4	3,986	3/4		3/4		3/4		3/4		3/4	
7	62,775	7	47,700	7	32,647	7	17,584	7	3,720	7		7		7		7		7	
1/4	62,461	1/4	47,386	1/4	32,334	1/4	17,272	1/4	3,455	1/4		1/4		1/4		1/4		1/4	
1/2	62,147	1/2	47,072	1/2	32,020	1/2	16,962	1/2	3,194	1/2		1/2		1/2		1/2		1/2	
3/4	61,833	3/4	46,758	3/4	31,707	3/4	16,653	3/4	2,933	3/4		3/4		3/4		3/4		3/4	
8	61,519	8	46,444	8	31,394	8	16,344	8	2,672	8		8		8		8		8	
1/4	61,205	1/4	46,130	1/4	31,081	1/4	16,035	1/4	2,411	1/4		1/4		1/4		1/4		1/4	
1/2	60,891	1/2	45,816	1/2	30,767	1/2	15,729	1/2	2,155	1/2		1/2		1/2		1/2		1/2	
3/4	60,577	3/4	45,501	3/4	30,454	3/4	15,424	3/4	1,900	3/4		3/4		3/4		3/4		3/4	
9	60,263	9	45,187	9	30,141	9	15,119	9	1,644	9		9		9		9		9	
1/4	59,949	1/4	44,873	1/4	29,828	1/4	14,813	1/4	1,389	1/4		1/4		1/4		1/4		1/4	
1/2	59,635	1/2	44,559	1/2	29,514	1/2	14,512	1/2	1,174	1/2		1/2		1/2		1/2		1/2	
3/4	59,321	3/4	44,245	3/4	29,200	3/4	14,210	3/4	959	3/4		3/4		3/4		3/4		3/4	
10	59,007	10	43,931	10	28,886	10	13,909	10	744	10		10		10		10		10	
1/4	58,692	1/4	43,617	1/4	28,572	1/4	13,607	1/4	530	1/4		1/4		1/4		1/4		1/4	
1/2	58,378	1/2	43,303	1/2	28,258	1/2	13,310	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	58,064	3/4	42,989	3/4	27,944	3/4	13,012	3/4		3/4		3/4		3/4		3/4		3/4	
11	57,750	11	42,675	11	27,630	11	12,714	11		11		11		11		11		11	
1/4	57,436	1/4	42,361	1/4	27,316	1/4	12,417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	57,122	1/2	42,047	1/2	27,002	1/2	12,123	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	56,808	3/4	41,733	3/4	26,688	3/4	11,829	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "HSM 3044"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	209,958	0	194,892	0	179,801	0	164,685	0	149,569	0	134,454	0	119,338	0	104,222	0	89,107	
1/4	1/4	209,646	1/4	194,578	1/4	179,486	1/4	164,370	1/4	149,254	1/4	134,139	1/4	119,023	1/4	103,907	1/4	88,792	
1/2	1/2	209,334	1/2	194,264	1/2	179,171	1/2	164,055	1/2	148,940	1/2	133,824	1/2	118,708	1/2	103,593	1/2	88,477	
3/4	3/4	209,020	3/4	193,950	3/4	178,856	3/4	163,740	3/4	148,625	3/4	133,509	3/4	118,393	3/4	103,278	3/4	88,162	
1	1	208,707	1	193,636	1	178,541	1	163,425	1	148,310	1	133,194	1	118,078	1	102,963	1	87,847	
1/4	1/4	208,393	1/4	193,322	1/4	178,226	1/4	163,110	1/4	147,995	1/4	132,879	1/4	117,763	1/4	102,648	1/4	87,532	
1/2	1/2	208,079	1/2	193,008	1/2	177,911	1/2	162,796	1/2	147,680	1/2	132,564	1/2	117,449	1/2	102,333	1/2	87,217	
3/4	3/4	207,765	3/4	192,694	3/4	177,596	3/4	162,481	3/4	147,365	3/4	132,249	3/4	117,134	3/4	102,018	3/4	86,902	
2	2	207,451	2	192,380	2	177,281	2	162,166	2	147,050	2	131,934	2	116,819	2	101,703	2	86,587	
1/4	1/4	207,137	1/4	192,066	1/4	176,966	1/4	161,851	1/4	146,735	1/4	131,619	1/4	116,504	1/4	101,388	1/4	86,273	
1/2	1/2	206,823	1/2	191,752	1/2	176,652	1/2	161,536	1/2	146,420	1/2	131,305	1/2	116,189	1/2	101,073	1/2	85,958	
3/4	3/4	206,509	3/4	191,438	3/4	176,337	3/4	161,221	3/4	146,105	3/4	130,990	3/4	115,874	3/4	100,758	3/4	85,643	
3	3	206,195	3	191,124	3	176,022	3	160,906	3	145,790	3	130,675	3	115,559	3	100,443	3	85,328	
1/4	1/4	205,881	1/4	190,810	1/4	175,707	1/4	160,591	1/4	145,476	1/4	130,360	1/4	115,244	1/4	100,129	1/4	85,013	
1/2	1/2	205,567	1/2	190,496	1/2	175,392	1/2	160,276	1/2	145,161	1/2	130,045	1/2	114,929	1/2	99,814	1/2	84,698	
3/4	3/4	205,253	3/4	190,182	3/4	175,077	3/4	159,961	3/4	144,846	3/4	129,730	3/4	114,614	3/4	99,499	3/4	84,383	
4	4	204,939	4	189,868	4	174,762	4	159,646	4	144,531	4	129,415	4	114,299	4	99,184	4	84,068	
1/4	1/4	204,625	1/4	189,554	1/4	174,447	1/4	159,332	1/4	144,216	1/4	129,100	1/4	113,985	1/4	98,869	1/4	83,753	
1/2	1/2	204,311	1/2	189,240	1/2	174,132	1/2	159,017	1/2	143,901	1/2	128,785	1/2	113,670	1/2	98,554	1/2	83,438	
3/4	3/4	203,997	3/4	188,926	3/4	173,817	3/4	158,702	3/4	143,586	3/4	128,470	3/4	113,355	3/4	98,239	3/4	83,123	
5	5	203,683	5	188,612	5	173,502	5	158,387	5	143,271	5	128,155	5	113,040	5	97,924	5	82,809	
1/4	1/4	203,369	1/4	188,298	1/4	173,188	1/4	158,072	1/4	142,956	1/4	127,841	1/4	112,725	1/4	97,609	1/4	82,494	
1/2	1/2	203,055	1/2	187,984	1/2	172,873	1/2	157,757	1/2	142,641	1/2	127,526	1/2	112,410	1/2	97,294	1/2	82,179	
3/4	3/4	202,741	3/4	187,670	3/4	172,558	3/4	157,442	3/4	142,326	3/4	127,211	3/4	112,095	3/4	96,979	3/4	81,864	
6	6	202,428	6	187,356	6	172,243	6	157,127	6	142,011	6	126,896	6	111,780	6	96,665	6	81,549	
1/4	1/4	202,114	1/4	187,042	1/4	171,928	1/4	156,812	1/4	141,697	1/4	126,581	1/4	111,465	1/4	96,350	1/4	81,234	
1/2	1/2	201,800	1/2	186,728	1/2	171,613	1/2	156,497	1/2	141,382	1/2	126,266	1/2	111,150	1/2	96,035	1/2	80,919	
3/4	3/4	201,486	3/4	186,413	3/4	171,298	3/4	156,182	3/4	141,067	3/4	125,951	3/4	110,835	3/4	95,720	3/4	80,604	
7	7	201,172	7	186,098	7	170,983	7	155,868	7	140,752	7	125,636	7	110,521	7	95,405	7	80,289	
1/4	1/4	200,858	1/4	185,784	1/4	170,668	1/4	155,553	1/4	140,437	1/4	125,321	1/4	110,206	1/4	95,090	1/4	79,974	
1/2	1/2	200,544	1/2	185,469	1/2	170,353	1/2	155,238	1/2	140,122	1/2	125,006	1/2	109,891	1/2	94,775	1/2	79,659	
3/4	3/4	200,230	3/4	185,154	3/4	170,038	3/4	154,923	3/4	139,807	3/4	124,691	3/4	109,576	3/4	94,460	3/4	79,345	
8	8	199,916	8	184,839	8	169,724	8	154,608	8	139,492	8	124,377	8	109,261	8	94,145	8	79,030	
1/4	213,890	199,602	1/4	184,524	1/4	169,409	1/4	154,293	1/4	139,177	1/4	124,062	1/4	108,946	1/4	93,830	1/4	78,715	
1/2	213,710	199,288	1/2	184,209	1/2	169,094	1/2	153,978	1/2	138,862	1/2	123,747	1/2	108,631	1/2	93,515	1/2	78,400	
3/4	213,491	198,974	3/4	183,894	3/4	168,779	3/4	153,663	3/4	138,547	3/4	123,432	3/4	108,316	3/4	93,201	3/4	78,085	
9	213,272	198,660	9	183,580	9	168,464	9	153,348	9	138,233	9	123,117	9	108,001	9	92,886	9	77,770	
1/4	213,052	198,346	1/4	183,265	1/4	168,149	1/4	153,033	1/4	137,918	1/4	122,802	1/4	107,686	1/4	92,571	1/4	77,455	
1/2	212,833	198,032	1/2	182,950	1/2	167,834	1/2	152,718	1/2	137,603	1/2	122,487	1/2	107,371	1/2	92,256	1/2	77,140	
3/4	212,570	197,718	3/4	182,635	3/4	167,519	3/4	152,404	3/4	137,288	3/4	122,172	3/4	107,057	3/4	91,941	3/4	76,825	
10	212,307	197,404	10	182,320	10	167,204	10	152,089	10	136,973	10	121,857	10	106,742	10	91,626	10	76,510	
1/4	212,044	197,090	1/4	182,005	1/4	166,889	1/4	151,774	1/4	136,658	1/4	121,542	1/4	106,427	1/4	91,311	1/4	76,195	
1/2	211,780	196,776	1/2	181,690	1/2	166,574	1/2	151,459	1/2	136,343	1/2	121,227	1/2	106,112	1/2	90,996	1/2	75,881	
3/4	211,481	196,462	3/4	181,375	3/4	166,260	3/4	151,144	3/4	136,028	3/4	120,913	3/4	105,797	3/4	90,681	3/4	75,566	
11	211,181	196,148	11	181,060	11	165,945	11	150,829	11	135,713	11	120,598	11	105,482	11	90,366	11	75,251	
1/4	210,881	195,834	1/4	180,745	1/4	165,630	1/4	150,514	1/4	135,398	1/4	120,283	1/4	105,167	1/4	90,051	1/4	74,936	
1/2	210,582	195,520	1/2	180,430	1/2	165,315	1/2	150,199	1/2	135,083	1/2	119,968	1/2	104,852	1/2	89,737	1/2	74,621	
3/4	210,270	195,206	3/4	180,116	3/4	165,000	3/4	149,884	3/4	134,769	3/4	119,653	3/4	104,537	3/4	89,422	3/4	74,306	

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 LIP OF 8" HATCH  
 GAUGE POINT: (8" HATCH) LOCATED 14'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "HSM 3044"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	73,991	0	58,875	0	43,868	0	29,267	0	14,152	0		0		0		0		0	
1/4	73,676	1/4	58,561	1/4	43,566	1/4	28,952	1/4	13,837	1/4		1/4		1/4		1/4		1/4	
1/2	73,361	1/2	58,246	1/2	43,264	1/2	28,638	1/2	13,522	1/2		1/2		1/2		1/2		1/2	
3/4	73,046	3/4	57,931	3/4	42,962	3/4	28,323	3/4	13,207	3/4		3/4		3/4		3/4		3/4	
1	72,731	1	57,616	1	42,660	1	28,008	1	12,893	1		1		1		1		1	
1/4	72,417	1/4	57,301	1/4	42,358	1/4	27,693	1/4	12,578	1/4		1/4		1/4		1/4		1/4	
1/2	72,102	1/2	56,986	1/2	42,056	1/2	27,378	1/2	12,263	1/2		1/2		1/2		1/2		1/2	
3/4	71,787	3/4	56,671	3/4	41,754	3/4	27,063	3/4	11,948	3/4		3/4		3/4		3/4		3/4	
2	71,472	2	56,356	2	41,453	2	26,748	2	11,633	2		2		2		2		2	
1/4	71,157	1/4	56,041	1/4	41,151	1/4	26,433	1/4	11,318	1/4		1/4		1/4		1/4		1/4	
1/2	70,842	1/2	55,726	1/2	40,849	1/2	26,118	1/2	11,003	1/2		1/2		1/2		1/2		1/2	
3/4	70,527	3/4	55,411	3/4	40,547	3/4	25,803	3/4	10,688	3/4		3/4		3/4		3/4		3/4	
3	70,212	3	55,097	3	40,246	3	25,489	3	10,373	3		3		3		3		3	
1/4	69,897	1/4	54,782	1/4	39,944	1/4	25,174	1/4	10,058	1/4		1/4		1/4		1/4		1/4	
1/2	69,582	1/2	54,467	1/2	39,643	1/2	24,859	1/2	9,744	1/2		1/2		1/2		1/2		1/2	
3/4	69,267	3/4	54,152	3/4	39,341	3/4	24,544	3/4	9,429	3/4		3/4		3/4		3/4		3/4	
4	68,953	4	53,837	4	39,039	4	24,229	4	9,114	4		4		4		4		4	
1/4	68,638	1/4	53,522	1/4	38,738	1/4	23,914	1/4	8,799	1/4		1/4		1/4		1/4		1/4	
1/2	68,323	1/2	53,207	1/2	38,436	1/2	23,599	1/2	8,484	1/2		1/2		1/2		1/2		1/2	
3/4	68,008	3/4	52,892	3/4	38,134	3/4	23,284	3/4	8,169	3/4		3/4		3/4		3/4		3/4	
5	67,693	5	52,577	5	37,833	5	22,969	5	7,855	5		5		5		5		5	
1/4	67,378	1/4	52,262	1/4	37,531	1/4	22,654	1/4	7,540	1/4		1/4		1/4		1/4		1/4	
1/2	67,063	1/2	51,947	1/2	37,229	1/2	22,340	1/2	7,225	1/2		1/2		1/2		1/2		1/2	
3/4	66,748	3/4	51,632	3/4	36,928	3/4	22,025	3/4	6,911	3/4		3/4		3/4		3/4		3/4	
6	66,433	6	51,318	6	36,626	6	21,710	6	6,596	6		6		6		6		6	
1/4	66,118	1/4	51,003	1/4	36,324	1/4	21,395	1/4	6,282	1/4		1/4		1/4		1/4		1/4	
1/2	65,803	1/2	50,688	1/2	36,023	1/2	21,080	1/2	5,967	1/2		1/2		1/2		1/2		1/2	
3/4	65,489	3/4	50,373	3/4	35,721	3/4	20,765	3/4	5,654	3/4		3/4		3/4		3/4		3/4	
7	65,174	7	50,058	7	35,420	7	20,450	7	5,340	7		7		7		7		7	
1/4	64,859	1/4	49,743	1/4	35,118	1/4	20,135	1/4	5,026	1/4		1/4		1/4		1/4		1/4	
1/2	64,544	1/2	49,428	1/2	34,816	1/2	19,820	1/2	4,712	1/2		1/2		1/2		1/2		1/2	
3/4	64,229	3/4	49,113	3/4	34,515	3/4	19,505	3/4	4,399	3/4		3/4		3/4		3/4		3/4	
8	63,914	8	48,798	8	34,213	8	19,191	8	4,086	8		8		8		8		8	
1/4	63,599	1/4	48,483	1/4	33,911	1/4	18,876	1/4	3,773	1/4		1/4		1/4		1/4		1/4	
1/2	63,284	1/2	48,168	1/2	33,610	1/2	18,561	1/2	3,460	1/2		1/2		1/2		1/2		1/2	
3/4	62,969	3/4	47,854	3/4	33,308	3/4	18,246	3/4	3,149	3/4		3/4		3/4		3/4		3/4	
9	62,654	9	47,539	9	33,006	9	17,931	9	2,838	9		9		9		9		9	
1/4	62,339	1/4	47,224	1/4	32,705	1/4	17,616	1/4	2,526	1/4		1/4		1/4		1/4		1/4	
1/2	62,025	1/2	46,909	1/2	32,403	1/2	17,301	1/2	2,215	1/2		1/2		1/2		1/2		1/2	
3/4	61,710	3/4	46,603	3/4	32,092	3/4	16,986	3/4	1,941	3/4		3/4		3/4		3/4		3/4	
10	61,395	10	46,297	10	31,780	10	16,671	10	1,666	10		10		10		10		10	
1/4	61,080	1/4	45,991	1/4	31,468	1/4	16,356	1/4	1,392	1/4		1/4		1/4		1/4		1/4	
1/2	60,765	1/2	45,685	1/2	31,157	1/2	16,042	1/2	1,117	1/2		1/2		1/2		1/2		1/2	
3/4	60,450	3/4	45,382	3/4	30,842	3/4	15,727	3/4		3/4		3/4		3/4		3/4		3/4	
11	60,135	11	45,079	11	30,527	11	15,412	11		11		11		11		11		11	
1/4	59,820	1/4	44,776	1/4	30,212	1/4	15,097	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	59,505	1/2	44,473	1/2	29,897	1/2	14,782	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	59,190	3/4	44,171	3/4	29,582	3/4	14,467	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "HSM 3044"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	210,381	0	195,327	0	180,248	0	165,144	0	150,041	0	134,937	0	119,834	0	104,731	0	89,627	
1/4	1/4	210,069	1/4	195,013	1/4	179,933	1/4	164,830	1/4	149,726	1/4	134,623	1/4	119,519	1/4	104,416	1/4	89,312	
1/2	1/2	209,757	1/2	194,699	1/2	179,618	1/2	164,515	1/2	149,412	1/2	134,308	1/2	119,205	1/2	104,101	1/2	88,998	
3/4	3/4	209,444	3/4	194,385	3/4	179,304	3/4	164,200	3/4	149,097	3/4	133,993	3/4	118,890	3/4	103,787	3/4	88,683	
1	1	209,131	1	194,072	1	178,989	1	163,886	1	148,782	1	133,679	1	118,575	1	103,472	1	88,368	
1/4	1/4	208,817	1/4	193,758	1/4	178,675	1/4	163,571	1/4	148,468	1/4	133,364	1/4	118,261	1/4	103,157	1/4	88,054	
1/2	1/2	208,504	1/2	193,444	1/2	178,360	1/2	163,256	1/2	148,153	1/2	133,050	1/2	117,946	1/2	102,843	1/2	87,739	
3/4	3/4	208,190	3/4	193,130	3/4	178,045	3/4	162,942	3/4	147,838	3/4	132,735	3/4	117,631	3/4	102,528	3/4	87,425	
2	2	207,876	2	192,817	2	177,731	2	162,627	2	147,524	2	132,420	2	117,317	2	102,213	2	87,110	
1/4	1/4	207,563	1/4	192,503	1/4	177,416	1/4	162,312	1/4	147,209	1/4	132,106	1/4	117,002	1/4	101,899	1/4	86,795	
1/2	1/2	207,249	1/2	192,189	1/2	177,101	1/2	161,998	1/2	146,894	1/2	131,791	1/2	116,687	1/2	101,584	1/2	86,481	
3/4	3/4	206,935	3/4	191,875	3/4	176,787	3/4	161,683	3/4	146,580	3/4	131,476	3/4	116,373	3/4	101,269	3/4	86,166	
3	3	206,621	3	191,562	3	176,472	3	161,368	3	146,265	3	131,162	3	116,058	3	100,955	3	85,851	
1/4	1/4	206,308	1/4	191,248	1/4	176,157	1/4	161,054	1/4	145,950	1/4	130,847	1/4	115,743	1/4	100,640	1/4	85,537	
1/2	1/2	205,994	1/2	190,934	1/2	175,843	1/2	160,739	1/2	145,636	1/2	130,532	1/2	115,429	1/2	100,325	1/2	85,222	
3/4	3/4	205,680	3/4	190,621	3/4	175,528	3/4	160,425	3/4	145,321	3/4	130,218	3/4	115,114	3/4	100,011	3/4	84,907	
4	4	205,366	4	190,307	4	175,213	4	160,110	4	145,006	4	129,903	4	114,800	4	99,696	4	84,593	
1/4	1/4	205,053	1/4	189,993	1/4	174,899	1/4	159,795	1/4	144,692	1/4	129,588	1/4	114,485	1/4	99,381	1/4	84,278	
1/2	1/2	204,739	1/2	189,679	1/2	174,584	1/2	159,481	1/2	144,377	1/2	129,274	1/2	114,170	1/2	99,067	1/2	83,963	
3/4	3/4	204,425	3/4	189,366	3/4	174,269	3/4	159,166	3/4	144,062	3/4	128,959	3/4	113,856	3/4	98,752	3/4	83,649	
5	5	204,111	5	189,052	5	173,955	5	158,851	5	143,748	5	128,644	5	113,541	5	98,437	5	83,334	
1/4	1/4	203,798	1/4	188,738	1/4	173,640	1/4	158,537	1/4	143,433	1/4	128,330	1/4	113,226	1/4	98,123	1/4	83,019	
1/2	1/2	203,484	1/2	188,424	1/2	173,325	1/2	158,222	1/2	143,118	1/2	128,015	1/2	112,912	1/2	97,808	1/2	82,705	
3/4	3/4	203,170	3/4	188,111	3/4	173,011	3/4	157,907	3/4	142,804	3/4	127,700	3/4	112,597	3/4	97,493	3/4	82,390	
6	6	202,857	6	187,797	6	172,696	6	157,593	6	142,489	6	127,386	6	112,282	6	97,179	6	82,075	
1/4	1/4	202,543	1/4	187,483	1/4	172,381	1/4	157,278	1/4	142,175	1/4	127,071	1/4	111,968	1/4	96,864	1/4	81,761	
1/2	1/2	202,229	1/2	187,169	1/2	172,067	1/2	156,963	1/2	141,860	1/2	126,756	1/2	111,653	1/2	96,550	1/2	81,446	
3/4	3/4	201,915	3/4	186,855	3/4	171,752	3/4	156,649	3/4	141,545	3/4	126,442	3/4	111,338	3/4	96,235	3/4	81,131	
7	7	201,602	7	186,540	7	171,437	7	156,334	7	141,231	7	126,127	7	111,024	7	95,920	7	80,817	
1/4	1/4	201,288	1/4	186,226	1/4	171,123	1/4	156,019	1/4	140,916	1/4	125,812	1/4	110,709	1/4	95,606	1/4	80,502	
1/2	1/2	200,974	1/2	185,912	1/2	170,808	1/2	155,705	1/2	140,601	1/2	125,498	1/2	110,394	1/2	95,291	1/2	80,187	
3/4	3/4	200,660	3/4	185,597	3/4	170,493	3/4	155,390	3/4	140,287	3/4	125,183	3/4	110,080	3/4	94,976	3/4	79,873	
8	8	200,347	8	185,282	8	170,179	8	155,075	8	139,972	8	124,868	8	109,765	8	94,662	8	79,558	
1/4	214,310	200,033	1/4	184,968	1/4	169,864	1/4	154,761	1/4	139,657	1/4	124,554	1/4	109,450	1/4	94,347	1/4	79,243	
1/2	214,130	199,719	1/2	184,653	1/2	169,550	1/2	154,446	1/2	139,343	1/2	124,239	1/2	109,136	1/2	94,032	1/2	78,929	
3/4	213,911	199,405	3/4	184,338	3/4	169,235	3/4	154,131	3/4	139,028	3/4	123,925	3/4	108,821	3/4	93,718	3/4	78,614	
9	213,692	199,092	9	184,024	9	168,920	9	153,817	9	138,713	9	123,610	9	108,506	9	93,403	9	78,300	
1/4	213,473	198,778	1/4	183,709	1/4	168,606	1/4	153,502	1/4	138,399	1/4	123,295	1/4	108,192	1/4	93,088	1/4	77,985	
1/2	213,254	198,464	1/2	183,394	1/2	168,291	1/2	153,187	1/2	138,084	1/2	122,981	1/2	107,877	1/2	92,774	1/2	77,670	
3/4	212,991	198,150	3/4	183,080	3/4	167,976	3/4	152,873	3/4	137,769	3/4	122,666	3/4	107,562	3/4	92,459	3/4	77,356	
10	212,728	197,837	10	182,765	10	167,662	10	152,558	10	137,455	10	122,351	10	107,248	10	92,144	10	77,041	
1/4	212,465	197,523	1/4	182,450	1/4	167,347	1/4	152,243	1/4	137,140	1/4	122,037	1/4	106,933	1/4	91,830	1/4	76,726	
1/2	212,202	197,209	1/2	182,136	1/2	167,032	1/2	151,929	1/2	136,825	1/2	121,722	1/2	106,618	1/2	91,515	1/2	76,412	
3/4	211,902	196,895	3/4	181,821	3/4	166,718	3/4	151,614	3/4	136,511	3/4	121,407	3/4	106,304	3/4	91,200	3/4	76,097	
11	211,603	196,582	11	181,506	11	166,403	11	151,300	11	136,196	11	121,093	11	105,989	11	90,886	11	75,782	
1/4	211,303	196,268	1/4	181,192	1/4	166,088	1/4	150,985	1/4	135,881	1/4	120,778	1/4	105,675	1/4	90,571	1/4	75,468	
1/2	211,004	195,954	1/2	180,877	1/2	165,774	1/2	150,670	1/2	135,567	1/2	120,463	1/2	105,360	1/2	90,256	1/2	75,153	
3/4	210,692	195,640	3/4	180,562	3/4	165,459	3/4	150,356	3/4	135,252	3/4	120,149	3/4	105,045	3/4	89,942	3/4	74,838	

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 LIP OF 8" HATCH  
 GAUGE POINT: (8" HATCH) LOCATED 14'-06" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "HSM 3044"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10 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	74,524	0	59,420	0	44,317	0	29,244	0	14,141	0		0		0		0		0	
1/4	74,209	1/4	59,106	1/4	44,003	1/4	28,929	1/4	13,826	1/4		1/4		1/4		1/4		1/4	
1/2	73,894	1/2	58,791	1/2	43,689	1/2	28,614	1/2	13,511	1/2		1/2		1/2		1/2		1/2	
3/4	73,580	3/4	58,476	3/4	43,375	3/4	28,300	3/4	13,197	3/4		3/4		3/4		3/4		3/4	
1	73,265	1	58,162	1	43,061	1	27,985	1	12,882	1		1		1		1		1	
1/4	72,950	1/4	57,847	1/4	42,746	1/4	27,671	1/4	12,568	1/4		1/4		1/4		1/4		1/4	
1/2	72,636	1/2	57,532	1/2	42,432	1/2	27,356	1/2	12,253	1/2		1/2		1/2		1/2		1/2	
3/4	72,321	3/4	57,218	3/4	42,118	3/4	27,041	3/4	11,938	3/4		3/4		3/4		3/4		3/4	
2	72,006	2	56,903	2	41,804	2	26,727	2	11,624	2		2		2		2		2	
1/4	71,692	1/4	56,588	1/4	41,491	1/4	26,412	1/4	11,309	1/4		1/4		1/4		1/4		1/4	
1/2	71,377	1/2	56,274	1/2	41,177	1/2	26,097	1/2	10,994	1/2		1/2		1/2		1/2		1/2	
3/4	71,062	3/4	55,959	3/4	40,863	3/4	25,783	3/4	10,680	3/4		3/4		3/4		3/4		3/4	
3	70,748	3	55,644	3	40,549	3	25,468	3	10,365	3		3		3		3		3	
1/4	70,433	1/4	55,330	1/4	40,235	1/4	25,153	1/4	10,050	1/4		1/4		1/4		1/4		1/4	
1/2	70,118	1/2	55,015	1/2	39,921	1/2	24,839	1/2	9,736	1/2		1/2		1/2		1/2		1/2	
3/4	69,804	3/4	54,700	3/4	39,607	3/4	24,524	3/4	9,421	3/4		3/4		3/4		3/4		3/4	
4	69,489	4	54,386	4	39,294	4	24,209	4	9,106	4		4		4		4		4	
1/4	69,175	1/4	54,071	1/4	38,980	1/4	23,895	1/4	8,792	1/4		1/4		1/4		1/4		1/4	
1/2	68,860	1/2	53,756	1/2	38,666	1/2	23,580	1/2	8,477	1/2		1/2		1/2		1/2		1/2	
3/4	68,545	3/4	53,442	3/4	38,352	3/4	23,266	3/4	8,163	3/4		3/4		3/4		3/4		3/4	
5	68,231	5	53,127	5	38,038	5	22,951	5	7,848	5		5		5		5		5	
1/4	67,916	1/4	52,812	1/4	37,724	1/4	22,636	1/4	7,534	1/4		1/4		1/4		1/4		1/4	
1/2	67,601	1/2	52,498	1/2	37,411	1/2	22,322	1/2	7,219	1/2		1/2		1/2		1/2		1/2	
3/4	67,287	3/4	52,183	3/4	37,097	3/4	22,007	3/4	6,905	3/4		3/4		3/4		3/4		3/4	
6	66,972	6	51,868	6	36,783	6	21,692	6	6,591	6		6		6		6		6	
1/4	66,657	1/4	51,554	1/4	36,469	1/4	21,378	1/4	6,277	1/4		1/4		1/4		1/4		1/4	
1/2	66,343	1/2	51,239	1/2	36,155	1/2	21,063	1/2	5,963	1/2		1/2		1/2		1/2		1/2	
3/4	66,028	3/4	50,924	3/4	35,842	3/4	20,748	3/4	5,649	3/4		3/4		3/4		3/4		3/4	
7	65,713	7	50,610	7	35,528	7	20,434	7	5,335	7		7		7		7		7	
1/4	65,399	1/4	50,295	1/4	35,214	1/4	20,119	1/4	5,022	1/4		1/4		1/4		1/4		1/4	
1/2	65,084	1/2	49,981	1/2	34,900	1/2	19,804	1/2	4,708	1/2		1/2		1/2		1/2		1/2	
3/4	64,769	3/4	49,666	3/4	34,586	3/4	19,490	3/4	4,396	3/4		3/4		3/4		3/4		3/4	
8	64,455	8	49,351	8	34,272	8	19,175	8	4,083	8		8		8		8		8	
1/4	64,140	1/4	49,037	1/4	33,959	1/4	18,860	1/4	3,770	1/4		1/4		1/4		1/4		1/4	
1/2	63,825	1/2	48,722	1/2	33,645	1/2	18,546	1/2	3,458	1/2		1/2		1/2		1/2		1/2	
3/4	63,511	3/4	48,407	3/4	33,331	3/4	18,231	3/4	3,146	3/4		3/4		3/4		3/4		3/4	
9	63,196	9	48,093	9	33,017	9	17,917	9	2,835	9		9		9		9		9	
1/4	62,881	1/4	47,778	1/4	32,703	1/4	17,602	1/4	2,524	1/4		1/4		1/4		1/4		1/4	
1/2	62,567	1/2	47,463	1/2	32,389	1/2	17,287	1/2	2,213	1/2		1/2		1/2		1/2		1/2	
3/4	62,252	3/4	47,149	3/4	32,075	3/4	16,973	3/4	1,939	3/4		3/4		3/4		3/4		3/4	
10	61,937	10	46,834	10	31,761	10	16,658	10	1,665	10		10		10		10		10	
1/4	61,623	1/4	46,519	1/4	31,446	1/4	16,343	1/4	1,391	1/4		1/4		1/4		1/4		1/4	
1/2	61,308	1/2	46,205	1/2	31,132	1/2	16,029	1/2	1,116	1/2		1/2		1/2		1/2		1/2	
3/4	60,993	3/4	45,890	3/4	30,817	3/4	15,714	3/4		3/4		3/4		3/4		3/4		3/4	
11	60,679	11	45,575	11	30,502	11	15,399	11		11		11		11		11		11	
1/4	60,364	1/4	45,261	1/4	30,188	1/4	15,085	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	60,050	1/2	44,946	1/2	29,873	1/2	14,770	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	59,735	3/4	44,632	3/4	29,558	3/4	14,455	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "HSM 3044"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10"

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	190,573	0	180,203	0	169,817	0	159,416	0	147,973	0	132,981	0	117,971	0	102,954	0	87,929	
1/4	1/4	190,357	1/4	179,987	1/4	169,601	1/4	159,200	1/4	147,661	1/4	132,668	1/4	117,658	1/4	102,641	1/4	87,616	
1/2	1/2	190,142	1/2	179,771	1/2	169,384	1/2	158,983	1/2	147,350	1/2	132,355	1/2	117,345	1/2	102,328	1/2	87,303	
3/4	3/4	189,926	3/4	179,555	3/4	169,167	3/4	158,766	3/4	147,039	3/4	132,043	3/4	117,033	3/4	102,014	3/4	86,990	
1	1	189,710	1	179,339	1	168,951	1	158,550	1	146,727	1	131,730	1	116,720	1	101,701	1	86,676	
1/4	1/4	189,494	1/4	179,122	1/4	168,734	1/4	158,333	1/4	146,416	1/4	131,417	1/4	116,407	1/4	101,388	1/4	86,363	
1/2	1/2	189,278	1/2	178,906	1/2	168,517	1/2	158,116	1/2	146,105	1/2	131,105	1/2	116,095	1/2	101,075	1/2	86,050	
3/4	3/4	189,062	3/4	178,690	3/4	168,300	3/4	157,900	3/4	145,793	3/4	130,792	3/4	115,782	3/4	100,762	3/4	85,737	
2	2	188,846	2	178,474	2	168,084	2	157,683	2	145,482	2	130,479	2	115,469	2	100,449	2	85,424	
1/4	1/4	188,630	1/4	178,258	1/4	167,867	1/4	157,466	1/4	145,171	1/4	130,166	1/4	115,156	1/4	100,136	1/4	85,111	
1/2	1/2	188,414	1/2	178,042	1/2	167,650	1/2	157,250	1/2	144,860	1/2	129,854	1/2	114,844	1/2	99,823	1/2	84,798	
3/4	3/4	188,198	3/4	177,826	3/4	167,434	3/4	157,033	3/4	144,548	3/4	129,541	3/4	114,531	3/4	99,510	3/4	84,485	
3	3	187,982	3	177,610	3	167,217	3	156,816	3	144,237	3	129,228	3	114,218	3	99,197	3	84,172	
1/4	1/4	187,766	1/4	177,394	1/4	167,000	1/4	156,600	1/4	143,925	1/4	128,916	1/4	113,906	1/4	98,884	1/4	83,859	
1/2	1/2	187,549	1/2	177,178	1/2	166,784	1/2	156,383	1/2	143,612	1/2	128,603	1/2	113,593	1/2	98,571	1/2	83,546	
3/4	3/4	187,333	3/4	176,962	3/4	166,567	3/4	156,166	3/4	143,300	3/4	128,290	3/4	113,280	3/4	98,258	3/4	83,233	
4	4	187,117	4	176,746	4	166,350	4	155,949	4	142,988	4	127,978	4	112,967	4	97,945	4	82,920	
1/4	1/4	186,901	1/4	176,530	1/4	166,134	1/4	155,733	1/4	142,675	1/4	127,665	1/4	112,655	1/4	97,632	1/4	82,607	
1/2	1/2	186,685	1/2	176,313	1/2	165,917	1/2	155,516	1/2	142,362	1/2	127,352	1/2	112,342	1/2	97,319	1/2	82,294	
3/4	3/4	186,469	3/4	176,097	3/4	165,700	3/4	155,299	3/4	142,049	3/4	127,039	3/4	112,029	3/4	97,006	3/4	81,981	
5	5	186,253	5	175,881	5	165,484	5	155,083	5	141,737	5	126,727	5	111,717	5	96,693	5	81,668	
1/4	1/4	186,037	1/4	175,665	1/4	165,267	1/4	154,866	1/4	141,424	1/4	126,414	1/4	111,404	1/4	96,380	1/4	81,355	
1/2	1/2	185,821	1/2	175,449	1/2	165,050	1/2	154,649	1/2	141,111	1/2	126,101	1/2	111,091	1/2	96,067	1/2	81,042	
3/4	3/4	185,605	3/4	175,233	3/4	164,834	3/4	154,433	3/4	140,799	3/4	125,789	3/4	110,778	3/4	95,754	3/4	80,729	
6	6	185,389	6	175,017	6	164,617	6	154,216	6	140,486	6	125,476	6	110,466	6	95,441	6	80,416	
1/4	1/4	185,173	1/4	174,801	1/4	164,400	1/4	153,999	1/4	140,173	1/4	125,163	1/4	110,153	1/4	95,128	1/4	80,103	
1/2	1/2	184,957	1/2	174,584	1/2	164,183	1/2	153,783	1/2	139,860	1/2	124,850	1/2	109,840	1/2	94,815	1/2	79,790	
3/4	3/4	184,740	3/4	174,367	3/4	163,967	3/4	153,566	3/4	139,548	3/4	124,538	3/4	109,527	3/4	94,502	3/4	79,477	
7	7	184,524	7	174,151	7	163,750	7	153,349	7	139,235	7	124,225	7	109,214	7	94,189	7	79,164	
1/4	1/4	184,308	1/4	173,934	1/4	163,533	1/4	153,133	1/4	138,922	1/4	123,912	1/4	108,901	1/4	93,876	1/4	78,851	
1/2	1/2	184,092	1/2	173,718	1/2	163,317	1/2	152,916	1/2	138,610	1/2	123,600	1/2	108,588	1/2	93,563	1/2	78,538	
3/4	3/4	193,479	3/4	183,876	3/4	173,501	3/4	163,100	3/4	152,699	3/4	138,297	3/4	108,275	3/4	93,250	3/4	78,225	
8	8	193,395	8	183,660	8	173,284	8	162,883	8	152,483	8	137,984	8	107,962	8	92,937	8	77,912	
1/4	1/4	193,271	1/4	183,444	1/4	173,067	1/4	162,667	1/4	152,266	1/4	137,672	1/4	107,649	1/4	92,624	1/4	77,599	
1/2	1/2	193,148	1/2	183,228	1/2	172,851	1/2	162,450	1/2	152,049	1/2	137,359	1/2	107,336	1/2	92,311	1/2	77,286	
3/4	3/4	193,024	3/4	183,012	3/4	172,634	3/4	162,233	3/4	151,832	3/4	137,046	3/4	107,023	3/4	91,998	3/4	76,973	
9	9	192,900	9	182,796	9	172,417	9	162,017	9	151,616	9	136,733	9	106,710	9	91,685	9	76,660	
1/4	1/4	192,734	1/4	182,580	1/4	172,201	1/4	161,800	1/4	151,328	1/4	136,421	1/4	106,397	1/4	91,372	1/4	76,347	
1/2	1/2	192,568	1/2	182,364	1/2	171,984	1/2	161,583	1/2	151,040	1/2	136,108	1/2	106,084	1/2	91,059	1/2	76,034	
3/4	3/4	192,402	3/4	182,148	3/4	171,767	3/4	161,367	3/4	150,752	3/4	135,795	3/4	105,771	3/4	90,746	3/4	75,721	
10	10	192,236	10	181,931	10	171,551	10	161,150	10	150,464	10	135,483	10	105,458	10	90,433	10	75,408	
1/4	1/4	192,035	1/4	181,715	1/4	171,334	1/4	160,933	1/4	150,153	1/4	135,170	1/4	105,145	1/4	90,120	1/4	75,095	
1/2	1/2	191,833	1/2	181,499	1/2	171,117	1/2	160,717	1/2	149,841	1/2	134,857	1/2	104,832	1/2	89,807	1/2	74,782	
3/4	3/4	191,631	3/4	181,283	3/4	170,901	3/4	160,500	3/4	149,530	3/4	134,544	3/4	104,519	3/4	89,494	3/4	74,469	
11	11	191,429	11	181,067	11	170,684	11	160,283	11	149,218	11	134,232	11	104,206	11	89,181	11	74,156	
1/4	1/4	191,215	1/4	180,851	1/4	170,467	1/4	160,066	1/4	148,907	1/4	133,919	1/4	103,893	1/4	88,868	1/4	73,843	
1/2	1/2	191,001	1/2	180,635	1/2	170,251	1/2	159,850	1/2	148,595	1/2	133,606	1/2	103,580	1/2	88,555	1/2	73,530	
3/4	3/4	190,787	3/4	180,419	3/4	170,034	3/4	159,633	3/4	148,284	3/4	133,294	3/4	103,267	3/4	88,242	3/4	73,217	

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 LIP OF 8" HATCH  
 GAUGE POINT: (8" HATCH) LOCATED 14'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3044"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10"

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	72,904	0	57,879	0	42,973	0	28,485	0	13,457	0		0		0		0		0	
1/4	72,591	1/4	57,566	1/4	42,675	1/4	28,172	1/4	13,144	1/4		1/4		1/4		1/4		1/4	
1/2	72,278	1/2	57,253	1/2	42,376	1/2	27,858	1/2	12,831	1/2		1/2		1/2		1/2		1/2	
3/4	71,965	3/4	56,940	3/4	42,077	3/4	27,545	3/4	12,518	3/4		3/4		3/4		3/4		3/4	
1	71,651	1	56,627	1	41,778	1	27,232	1	12,205	1		1		1		1		1	
1/4	71,338	1/4	56,313	1/4	41,480	1/4	26,919	1/4	11,892	1/4		1/4		1/4		1/4		1/4	
1/2	71,025	1/2	56,000	1/2	41,181	1/2	26,606	1/2	11,579	1/2		1/2		1/2		1/2		1/2	
3/4	70,712	3/4	55,687	3/4	40,883	3/4	26,293	3/4	11,266	3/4		3/4		3/4		3/4		3/4	
2	70,399	2	55,374	2	40,584	2	25,980	2	10,953	2		2		2		2		2	
1/4	70,086	1/4	55,061	1/4	40,286	1/4	25,667	1/4	10,640	1/4		1/4		1/4		1/4		1/4	
1/2	69,773	1/2	54,748	1/2	39,987	1/2	25,354	1/2	10,327	1/2		1/2		1/2		1/2		1/2	
3/4	69,460	3/4	54,435	3/4	39,689	3/4	25,041	3/4	10,013	3/4		3/4		3/4		3/4		3/4	
3	69,147	3	54,122	3	39,390	3	24,728	3	9,700	3		3		3		3		3	
1/4	68,834	1/4	53,809	1/4	39,092	1/4	24,414	1/4	9,387	1/4		1/4		1/4		1/4		1/4	
1/2	68,521	1/2	53,496	1/2	38,793	1/2	24,101	1/2	9,074	1/2		1/2		1/2		1/2		1/2	
3/4	68,208	3/4	53,183	3/4	38,495	3/4	23,788	3/4	8,761	3/4		3/4		3/4		3/4		3/4	
4	67,895	4	52,870	4	38,196	4	23,475	4	8,448	4		4		4		4		4	
1/4	67,582	1/4	52,557	1/4	37,898	1/4	23,162	1/4	8,135	1/4		1/4		1/4		1/4		1/4	
1/2	67,269	1/2	52,244	1/2	37,600	1/2	22,849	1/2	7,821	1/2		1/2		1/2		1/2		1/2	
3/4	66,956	3/4	51,931	3/4	37,301	3/4	22,536	3/4	7,508	3/4		3/4		3/4		3/4		3/4	
5	66,643	5	51,618	5	37,003	5	22,223	5	7,195	5		5		5		5		5	
1/4	66,330	1/4	51,305	1/4	36,704	1/4	21,910	1/4	6,882	1/4		1/4		1/4		1/4		1/4	
1/2	66,017	1/2	50,992	1/2	36,406	1/2	21,597	1/2	6,568	1/2		1/2		1/2		1/2		1/2	
3/4	65,704	3/4	50,679	3/4	36,107	3/4	21,284	3/4	6,255	3/4		3/4		3/4		3/4		3/4	
6	65,391	6	50,366	6	35,809	6	20,971	6	5,942	6		6		6		6		6	
1/4	65,078	1/4	50,053	1/4	35,510	1/4	20,658	1/4	5,630	1/4		1/4		1/4		1/4		1/4	
1/2	64,765	1/2	49,740	1/2	35,212	1/2	20,345	1/2	5,317	1/2		1/2		1/2		1/2		1/2	
3/4	64,452	3/4	49,427	3/4	34,913	3/4	20,032	3/4	5,005	3/4		3/4		3/4		3/4		3/4	
7	64,139	7	49,114	7	34,615	7	19,719	7	4,692	7		7		7		7		7	
1/4	63,826	1/4	48,801	1/4	34,317	1/4	19,405	1/4	4,380	1/4		1/4		1/4		1/4		1/4	
1/2	63,513	1/2	48,488	1/2	34,018	1/2	19,092	1/2	4,069	1/2		1/2		1/2		1/2		1/2	
3/4	63,200	3/4	48,175	3/4	33,720	3/4	18,779	3/4	3,757	3/4		3/4		3/4		3/4		3/4	
8	62,887	8	47,862	8	33,421	8	18,466	8	3,446	8		8		8		8		8	
1/4	62,574	1/4	47,549	1/4	33,123	1/4	18,153	1/4	3,136	1/4		1/4		1/4		1/4		1/4	
1/2	62,261	1/2	47,236	1/2	32,824	1/2	17,840	1/2	2,826	1/2		1/2		1/2		1/2		1/2	
3/4	61,948	3/4	46,923	3/4	32,526	3/4	17,527	3/4	2,516	3/4		3/4		3/4		3/4		3/4	
9	61,635	9	46,610	9	32,227	9	17,214	9	2,206	9		9		9		9		9	
1/4	61,322	1/4	46,304	1/4	31,918	1/4	16,901	1/4	1,932	1/4		1/4		1/4		1/4		1/4	
1/2	61,009	1/2	45,998	1/2	31,608	1/2	16,588	1/2	1,659	1/2		1/2		1/2		1/2		1/2	
3/4	60,696	3/4	45,692	3/4	31,299	3/4	16,275	3/4	1,386	3/4		3/4		3/4		3/4		3/4	
10	60,383	10	45,387	10	30,990	10	15,962	10	1,113	10		10		10		10		10	
1/4	60,070	1/4	45,083	1/4	30,676	1/4	15,649	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	59,757	1/2	44,780	1/2	30,363	1/2	15,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	59,444	3/4	44,476	3/4	30,050	3/4	15,023	3/4		3/4		3/4		3/4		3/4		3/4	
11	59,131	11	44,173	11	29,737	11	14,709	11		11		11		11		11		11	
1/4	58,818	1/4	43,873	1/4	29,424	1/4	14,396	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	58,505	1/2	43,573	1/2	29,111	1/2	14,083	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	58,192	3/4	43,273	3/4	28,798	3/4	13,770	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "HSM 3044"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10"

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	191,580	0	181,204	0	170,812	0	160,405	0	148,955	0	133,931	0	118,882	0	103,826	0	88,763	
1/4	1/4	191,364	1/4	180,988	1/4	170,595	1/4	160,189	1/4	148,643	1/4	133,617	1/4	118,569	1/4	103,512	1/4	88,449	
1/2	1/2	191,148	1/2	180,772	1/2	170,379	1/2	159,972	1/2	148,331	1/2	133,304	1/2	118,255	1/2	103,199	1/2	88,135	
3/4	3/4	190,933	3/4	180,555	3/4	170,162	3/4	159,755	3/4	148,020	3/4	132,990	3/4	117,942	3/4	102,885	3/4	87,821	
1	1	190,717	1	180,339	1	169,945	1	159,538	1	147,708	1	132,677	1	117,628	1	102,571	1	87,507	
1/4	1/4	190,500	1/4	180,123	1/4	169,728	1/4	159,321	1/4	147,397	1/4	132,363	1/4	117,315	1/4	102,257	1/4	87,194	
1/2	1/2	190,284	1/2	179,907	1/2	169,511	1/2	159,104	1/2	147,085	1/2	132,050	1/2	117,001	1/2	101,943	1/2	86,880	
3/4	3/4	190,068	3/4	179,691	3/4	169,295	3/4	158,888	3/4	146,773	3/4	131,736	3/4	116,688	3/4	101,630	3/4	86,566	
2	2	189,852	2	179,474	2	169,078	2	158,671	2	146,462	2	131,423	2	116,374	2	101,316	2	86,252	
1/4	1/4	189,636	1/4	179,258	1/4	168,861	1/4	158,454	1/4	146,150	1/4	131,109	1/4	116,061	1/4	101,002	1/4	85,938	
1/2	1/2	189,420	1/2	179,042	1/2	168,644	1/2	158,237	1/2	145,839	1/2	130,796	1/2	115,747	1/2	100,688	1/2	85,624	
3/4	3/4	189,203	3/4	178,826	3/4	168,427	3/4	158,020	3/4	145,527	3/4	130,482	3/4	115,433	3/4	100,374	3/4	85,311	
3	3	188,987	3	178,610	3	168,211	3	157,804	3	145,215	3	130,169	3	115,120	3	100,060	3	84,997	
1/4	1/4	188,771	1/4	178,393	1/4	167,994	1/4	157,587	1/4	144,902	1/4	129,855	1/4	114,806	1/4	99,747	1/4	84,683	
1/2	1/2	188,555	1/2	178,177	1/2	167,777	1/2	157,370	1/2	144,589	1/2	129,542	1/2	114,493	1/2	99,433	1/2	84,369	
3/4	3/4	188,339	3/4	177,961	3/4	167,560	3/4	157,153	3/4	144,276	3/4	129,228	3/4	114,179	3/4	99,119	3/4	84,055	
4	4	188,122	4	177,745	4	167,343	4	156,936	4	143,963	4	128,915	4	113,866	4	98,805	4	83,742	
1/4	1/4	187,906	1/4	177,529	1/4	167,126	1/4	156,720	1/4	143,650	1/4	128,601	1/4	113,552	1/4	98,491	1/4	83,428	
1/2	1/2	187,690	1/2	177,312	1/2	166,910	1/2	156,503	1/2	143,336	1/2	128,288	1/2	113,239	1/2	98,177	1/2	83,114	
3/4	3/4	187,474	3/4	177,096	3/4	166,693	3/4	156,286	3/4	143,023	3/4	127,974	3/4	112,925	3/4	97,864	3/4	82,800	
5	5	187,258	5	176,880	5	166,476	5	156,069	5	142,709	5	127,661	5	112,612	5	97,550	5	82,486	
1/4	1/4	187,041	1/4	176,664	1/4	166,259	1/4	155,852	1/4	142,396	1/4	127,347	1/4	112,298	1/4	97,236	1/4	82,172	
1/2	1/2	186,825	1/2	176,448	1/2	166,042	1/2	155,636	1/2	142,082	1/2	127,033	1/2	111,985	1/2	96,922	1/2	81,859	
3/4	3/4	186,609	3/4	176,231	3/4	165,826	3/4	155,419	3/4	141,769	3/4	126,720	3/4	111,671	3/4	96,608	3/4	81,545	
6	6	186,393	6	176,015	6	165,609	6	155,202	6	141,455	6	126,406	6	111,358	6	96,295	6	81,231	
1/4	1/4	186,177	1/4	175,798	1/4	165,392	1/4	154,985	1/4	141,142	1/4	126,093	1/4	111,044	1/4	95,981	1/4	80,917	
1/2	1/2	185,960	1/2	175,582	1/2	165,175	1/2	154,768	1/2	140,828	1/2	125,779	1/2	110,730	1/2	95,667	1/2	80,603	
3/4	3/4	185,744	3/4	175,365	3/4	164,958	3/4	154,551	3/4	140,515	3/4	125,466	3/4	110,417	3/4	95,353	3/4	80,289	
7	7	185,528	7	175,148	7	164,742	7	154,335	7	140,201	7	125,152	7	110,103	7	95,039	7	79,976	
1/4	1/4	185,312	1/4	174,932	1/4	164,525	1/4	154,118	1/4	139,888	1/4	124,839	1/4	109,789	1/4	94,725	1/4	79,662	
1/2	1/2	185,096	1/2	174,715	1/2	164,308	1/2	153,901	1/2	139,574	1/2	124,525	1/2	109,475	1/2	94,412	1/2	79,348	
3/4	3/4	194,488	3/4	184,879	3/4	174,498	3/4	164,091	3/4	153,684	3/4	139,261	3/4	124,212	3/4	109,161	3/4	94,098	
8	8	194,404	8	184,663	8	174,281	8	163,874	8	153,467	8	138,947	8	123,898	8	108,848	8	93,784	
1/4	1/4	194,280	1/4	184,447	1/4	174,064	1/4	163,658	1/4	153,251	1/4	138,633	1/4	123,585	1/4	108,534	1/4	93,470	
1/2	1/2	194,156	1/2	184,231	1/2	173,848	1/2	163,441	1/2	153,034	1/2	138,320	1/2	123,271	1/2	108,220	1/2	93,156	
3/4	3/4	194,033	3/4	184,015	3/4	173,631	3/4	163,224	3/4	152,817	3/4	138,006	3/4	122,958	3/4	107,906	3/4	92,842	
9	9	193,909	9	183,798	9	173,414	9	163,007	9	152,600	9	137,693	9	122,644	9	107,592	9	92,529	
1/4	1/4	193,743	1/4	183,582	1/4	173,197	1/4	162,790	1/4	152,312	1/4	137,379	1/4	122,331	1/4	107,278	1/4	92,215	
1/2	1/2	193,577	1/2	183,366	1/2	172,980	1/2	162,573	1/2	152,024	1/2	137,066	1/2	122,017	1/2	106,965	1/2	91,901	
3/4	3/4	193,411	3/4	183,150	3/4	172,764	3/4	162,357	3/4	151,736	3/4	136,752	3/4	121,704	3/4	106,651	3/4	91,587	
10	10	193,244	10	182,934	10	172,547	10	162,140	10	151,448	10	136,439	10	121,390	10	106,337	10	91,273	
1/4	1/4	193,043	1/4	182,717	1/4	172,330	1/4	161,923	1/4	151,136	1/4	136,125	1/4	121,077	1/4	106,023	1/4	90,960	
1/2	1/2	192,841	1/2	182,501	1/2	172,113	1/2	161,706	1/2	150,824	1/2	135,812	1/2	120,763	1/2	105,709	1/2	90,646	
3/4	3/4	192,639	3/4	182,285	3/4	171,896	3/4	161,489	3/4	150,513	3/4	135,498	3/4	120,450	3/4	105,395	3/4	90,332	
11	11	192,437	11	182,069	11	171,680	11	161,273	11	150,201	11	135,185	11	120,136	11	105,082	11	90,018	
1/4	1/4	192,223	1/4	181,853	1/4	171,463	1/4	161,056	1/4	149,889	1/4	134,871	1/4	119,823	1/4	104,768	1/4	89,704	
1/2	1/2	192,008	1/2	181,636	1/2	171,246	1/2	160,839	1/2	149,578	1/2	134,558	1/2	119,509	1/2	104,454	1/2	89,390	
3/4	3/4	191,794	3/4	181,420	3/4	171,029	3/4	160,622	3/4	149,266	3/4	134,244	3/4	119,196	3/4	104,140	3/4	89,077	

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 LIP OF 8" HATCH  
 GAUGE POINT: (8" HATCH) LOCATED 14'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3044"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-10"

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	73,699	0	58,636	0	43,573	0	28,539	0	13,476	0		0		0		0		0	
1/4	73,385	1/4	58,322	1/4	43,260	1/4	28,225	1/4	13,162	1/4		1/4		1/4		1/4		1/4	
1/2	73,072	1/2	58,008	1/2	42,947	1/2	27,911	1/2	12,848	1/2		1/2		1/2		1/2		1/2	
3/4	72,758	3/4	57,694	3/4	42,633	3/4	27,598	3/4	12,534	3/4		3/4		3/4		3/4		3/4	
1	72,444	1	57,380	1	42,320	1	27,284	1	12,221	1		1		1		1		1	
1/4	72,130	1/4	57,066	1/4	42,007	1/4	26,970	1/4	11,907	1/4		1/4		1/4		1/4		1/4	
1/2	71,816	1/2	56,753	1/2	41,694	1/2	26,656	1/2	11,593	1/2		1/2		1/2		1/2		1/2	
3/4	71,502	3/4	56,439	3/4	41,381	3/4	26,342	3/4	11,279	3/4		3/4		3/4		3/4		3/4	
2	71,189	2	56,125	2	41,068	2	26,028	2	10,965	2		2		2		2		2	
1/4	70,875	1/4	55,811	1/4	40,755	1/4	25,715	1/4	10,652	1/4		1/4		1/4		1/4		1/4	
1/2	70,561	1/2	55,497	1/2	40,442	1/2	25,401	1/2	10,338	1/2		1/2		1/2		1/2		1/2	
3/4	70,247	3/4	55,184	3/4	40,129	3/4	25,087	3/4	10,024	3/4		3/4		3/4		3/4		3/4	
3	69,933	3	54,870	3	39,816	3	24,773	3	9,710	3		3		3		3		3	
1/4	69,619	1/4	54,556	1/4	39,503	1/4	24,459	1/4	9,396	1/4		1/4		1/4		1/4		1/4	
1/2	69,306	1/2	54,242	1/2	39,190	1/2	24,146	1/2	9,083	1/2		1/2		1/2		1/2		1/2	
3/4	68,992	3/4	53,928	3/4	38,877	3/4	23,832	3/4	8,769	3/4		3/4		3/4		3/4		3/4	
4	68,678	4	53,614	4	38,564	4	23,518	4	8,455	4		4		4		4		4	
1/4	68,364	1/4	53,301	1/4	38,251	1/4	23,204	1/4	8,141	1/4		1/4		1/4		1/4		1/4	
1/2	68,050	1/2	52,987	1/2	37,938	1/2	22,890	1/2	7,828	1/2		1/2		1/2		1/2		1/2	
3/4	67,736	3/4	52,673	3/4	37,625	3/4	22,577	3/4	7,514	3/4		3/4		3/4		3/4		3/4	
5	67,423	5	52,359	5	37,312	5	22,263	5	7,200	5		5		5		5		5	
1/4	67,109	1/4	52,045	1/4	36,999	1/4	21,949	1/4	6,887	1/4		1/4		1/4		1/4		1/4	
1/2	66,795	1/2	51,731	1/2	36,686	1/2	21,635	1/2	6,574	1/2		1/2		1/2		1/2		1/2	
3/4	66,481	3/4	51,418	3/4	36,373	3/4	21,321	3/4	6,260	3/4		3/4		3/4		3/4		3/4	
6	66,167	6	51,104	6	36,060	6	21,007	6	5,947	6		6		6		6		6	
1/4	65,854	1/4	50,790	1/4	35,747	1/4	20,694	1/4	5,634	1/4		1/4		1/4		1/4		1/4	
1/2	65,540	1/2	50,476	1/2	35,434	1/2	20,380	1/2	5,321	1/2		1/2		1/2		1/2		1/2	
3/4	65,226	3/4	50,162	3/4	35,121	3/4	20,066	3/4	5,009	3/4		3/4		3/4		3/4		3/4	
7	64,912	7	49,848	7	34,808	7	19,752	7	4,696	7		7		7		7		7	
1/4	64,598	1/4	49,535	1/4	34,495	1/4	19,438	1/4	4,384	1/4		1/4		1/4		1/4		1/4	
1/2	64,284	1/2	49,221	1/2	34,182	1/2	19,125	1/2	4,072	1/2		1/2		1/2		1/2		1/2	
3/4	63,971	3/4	48,907	3/4	33,869	3/4	18,811	3/4	3,760	3/4		3/4		3/4		3/4		3/4	
8	63,657	8	48,593	8	33,556	8	18,497	8	3,449	8		8		8		8		8	
1/4	63,343	1/4	48,279	1/4	33,243	1/4	18,183	1/4	3,138	1/4		1/4		1/4		1/4		1/4	
1/2	63,029	1/2	47,966	1/2	32,930	1/2	17,869	1/2	2,828	1/2		1/2		1/2		1/2		1/2	
3/4	62,715	3/4	47,652	3/4	32,617	3/4	17,555	3/4	2,518	3/4		3/4		3/4		3/4		3/4	
9	62,401	9	47,338	9	32,304	9	17,242	9	2,207	9		9		9		9		9	
1/4	62,088	1/4	47,024	1/4	31,990	1/4	16,928	1/4	1,934	1/4		1/4		1/4		1/4		1/4	
1/2	61,774	1/2	46,710	1/2	31,677	1/2	16,614	1/2	1,661	1/2		1/2		1/2		1/2		1/2	
3/4	61,460	3/4	46,396	3/4	31,363	3/4	16,300	3/4	1,387	3/4		3/4		3/4		3/4		3/4	
10	61,146	10	46,083	10	31,050	10	15,986	10	1,114	10		10		10		10		10	
1/4	60,832	1/4	45,769	1/4	30,736	1/4	15,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	60,519	1/2	45,455	1/2	30,422	1/2	15,359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	60,205	3/4	45,141	3/4	30,108	3/4	15,045	3/4		3/4		3/4		3/4		3/4		3/4	
11	59,891	11	44,827	11	29,794	11	14,731	11		11		11		11		11		11	
1/4	59,577	1/4	44,514	1/4	29,480	1/4	14,417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	59,263	1/2	44,200	1/2	29,167	1/2	14,104	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	58,949	3/4	43,887	3/4	28,853	3/4	13,790	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "HSM 3044"

## PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-01"

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	4,757	0	3,599	0	2,439	0	1,280	0	121	0	0	0	0	0	0	0	0
1/4		1/4	4,733	1/4	3,574	1/4	2,415	1/4	1,256	1/4	97	1/4	0	1/4	0	1/4	0	1/4	0
1/2		1/2	4,709	1/2	3,550	1/2	2,391	1/2	1,232	1/2	72	1/2	0	1/2	0	1/2	0	1/2	0
3/4		3/4	4,685	3/4	3,526	3/4	2,367	3/4	1,208	3/4	48	3/4	0	3/4	0	3/4	0	3/4	0
1	1	1	4,661	1	3,502	1	2,343	1	1,183	1	24	1	1	1	1	1	1	1	1
1/4		1/4	4,637	1/4	3,478	1/4	2,319	1/4	1,159	1/4		1/4	1	1/4	1	1/4	1	1/4	1
1/2		1/2	4,613	1/2	3,454	1/2	2,294	1/2	1,135	1/2		1/2	1	1/2	1	1/2	1	1/2	1
3/4		3/4	4,589	3/4	3,430	3/4	2,270	3/4	1,111	3/4		3/4	1	3/4	1	3/4	1	3/4	1
2	2	2	4,565	2	3,405	2	2,246	2	1,087	2	2	2	2	2	2	2	2	2	2
1/4		1/4	4,541	1/4	3,381	1/4	2,222	1/4	1,063	1/4	2	1/4	2	1/4	2	1/4	2	1/4	2
1/2		1/2	4,516	1/2	3,357	1/2	2,198	1/2	1,039	1/2	2	1/2	2	1/2	2	1/2	2	1/2	2
3/4		3/4	4,492	3/4	3,333	3/4	2,174	3/4	1,014	3/4	2	3/4	2	3/4	2	3/4	2	3/4	2
3	3	3	4,468	3	3,309	3	2,150	3	990	3	3	3	3	3	3	3	3	3	3
1/4		1/4	4,444	1/4	3,285	1/4	2,125	1/4	966	1/4	3	1/4	3	1/4	3	1/4	3	1/4	3
1/2		1/2	4,420	1/2	3,260	1/2	2,101	1/2	942	1/2	3	1/2	3	1/2	3	1/2	3	1/2	3
3/4		3/4	4,396	3/4	3,236	3/4	2,077	3/4	918	3/4	3	3/4	3	3/4	3	3/4	3	3/4	3
4	4	4	4,371	4	3,212	4	2,053	4	894	4	4	4	4	4	4	4	4	4	4
1/4		1/4	4,347	1/4	3,188	1/4	2,029	1/4	869	1/4	4	1/4	4	1/4	4	1/4	4	1/4	4
1/2		1/2	4,323	1/2	3,164	1/2	2,005	1/2	845	1/2	4	1/2	4	1/2	4	1/2	4	1/2	4
3/4		3/4	4,299	3/4	3,140	3/4	1,980	3/4	821	3/4	4	3/4	4	3/4	4	3/4	4	3/4	4
5	5	5	4,275	5	3,116	5	1,956	5	797	5	5	5	5	5	5	5	5	5	5
1/4		1/4	4,251	1/4	3,091	1/4	1,932	1/4	773	1/4	5	1/4	5	1/4	5	1/4	5	1/4	5
1/2		1/2	4,227	1/2	3,067	1/2	1,908	1/2	749	1/2	5	1/2	5	1/2	5	1/2	5	1/2	5
3/4		3/4	4,202	3/4	3,043	3/4	1,884	3/4	725	3/4	5	3/4	5	3/4	5	3/4	5	3/4	5
6	6	6	4,178	6	3,019	6	1,860	6	700	6	6	6	6	6	6	6	6	6	6
1/4		1/4	4,154	1/4	2,995	1/4	1,836	1/4	676	1/4	6	1/4	6	1/4	6	1/4	6	1/4	6
1/2		1/2	4,130	1/2	2,971	1/2	1,811	1/2	652	1/2	6	1/2	6	1/2	6	1/2	6	1/2	6
3/4		3/4	4,106	3/4	2,947	3/4	1,787	3/4	628	3/4	6	3/4	6	3/4	6	3/4	6	3/4	6
7	7	7	4,082	7	2,922	7	1,763	7	604	7	7	7	7	7	7	7	7	7	7
1/4		1/4	4,057	1/4	2,898	1/4	1,739	1/4	580	1/4	7	1/4	7	1/4	7	1/4	7	1/4	7
1/2		1/2	4,033	1/2	2,874	1/2	1,715	1/2	555	1/2	7	1/2	7	1/2	7	1/2	7	1/2	7
3/4		3/4	5,162	3/4	4,009	3/4	2,850	3/4	531	3/4	7	3/4	7	3/4	7	3/4	7	3/4	7
8	8	8	3,985	8	2,826	8	1,666	8	507	8	8	8	8	8	8	8	8	8	8
1/4		1/4	5,114	1/4	3,961	1/4	2,802	1/4	1,642	1/4	8	1/4	8	1/4	8	1/4	8	1/4	8
1/2		1/2	5,090	1/2	3,937	1/2	2,777	1/2	1,618	1/2	8	1/2	8	1/2	8	1/2	8	1/2	8
3/4		3/4	5,066	3/4	3,913	3/4	2,753	3/4	1,594	3/4	8	3/4	8	3/4	8	3/4	8	3/4	8
9	9	9	3,888	9	2,729	9	1,570	9	411	9	9	9	9	9	9	9	9	9	9
1/4		1/4	5,019	1/4	3,864	1/4	2,705	1/4	1,546	1/4	9	1/4	9	1/4	9	1/4	9	1/4	9
1/2		1/2	4,995	1/2	3,840	1/2	2,681	1/2	1,522	1/2	9	1/2	9	1/2	9	1/2	9	1/2	9
3/4		3/4	4,971	3/4	3,816	3/4	2,657	3/4	1,497	3/4	9	3/4	9	3/4	9	3/4	9	3/4	9
10	10	10	3,792	10	2,633	10	1,473	10	314	10	10	10	10	10	10	10	10	10	10
1/4		1/4	4,924	1/4	3,768	1/4	2,608	1/4	1,449	1/4	10	1/4	10	1/4	10	1/4	10	1/4	10
1/2		1/2	4,900	1/2	3,744	1/2	2,584	1/2	1,425	1/2	10	1/2	10	1/2	10	1/2	10	1/2	10
3/4		3/4	4,876	3/4	3,719	3/4	2,560	3/4	1,401	3/4	10	3/4	10	3/4	10	3/4	10	3/4	10
11	11	11	3,695	11	2,536	11	1,377	11	217	11	11	11	11	11	11	11	11	11	11
1/4		1/4	4,829	1/4	3,671	1/4	2,512	1/4	1,353	1/4	11	1/4	11	1/4	11	1/4	11	1/4	11
1/2		1/2	4,805	1/2	3,647	1/2	2,488	1/2	1,328	1/2	11	1/2	11	1/2	11	1/2	11	1/2	11
3/4		3/4	4,781	3/4	3,623	3/4	2,463	3/4	1,304	3/4	11	3/4	11	3/4	11	3/4	11	3/4	11

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 LIP OF 8" HATCH

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019



# BARGE "HSM 3044"

## STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-01"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	4,744	0	3,589	0	2,433	0	1,277	0	120	0	0	0	0	0	0	0	0	0
1/4	1/4	4,721	1/4	3,565	1/4	2,409	1/4	1,253	1/4	96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,697	1/2	3,541	1/2	2,385	1/2	1,228	1/2	72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,673	3/4	3,517	3/4	2,361	3/4	1,204	3/4	48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	4,649	1	3,493	1	2,336	1	1,180	1	24	1	1	1	1	1	1	1	1	1
1/4	1/4	4,625	1/4	3,469	1/4	2,312	1/4	1,156	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,601	1/2	3,445	1/2	2,288	1/2	1,132	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,577	3/4	3,420	3/4	2,264	3/4	1,108	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	4,553	2	3,396	2	2,240	2	1,084	2		2	2	2	2	2	2	2	2	2
1/4	1/4	4,528	1/4	3,372	1/4	2,216	1/4	1,060	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,504	1/2	3,348	1/2	2,192	1/2	1,036	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,480	3/4	3,324	3/4	2,168	3/4	1,012	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	4,456	3	3,300	3	2,144	3	988	3		3	3	3	3	3	3	3	3	3
1/4	1/4	4,432	1/4	3,276	1/4	2,120	1/4	964	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,408	1/2	3,252	1/2	2,096	1/2	939	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,384	3/4	3,228	3/4	2,072	3/4	915	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4,360	4	3,204	4	2,047	4	891	4		4	4	4	4	4	4	4	4	4
1/4	1/4	4,336	1/4	3,180	1/4	2,023	1/4	867	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,312	1/2	3,155	1/2	1,999	1/2	843	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,288	3/4	3,131	3/4	1,975	3/4	819	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	4,263	5	3,107	5	1,951	5	795	5		5	5	5	5	5	5	5	5	5
1/4	1/4	4,239	1/4	3,083	1/4	1,927	1/4	771	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,215	1/2	3,059	1/2	1,903	1/2	747	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,191	3/4	3,035	3/4	1,879	3/4	723	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	4,167	6	3,011	6	1,855	6	699	6		6	6	6	6	6	6	6	6	6
1/4	1/4	4,143	1/4	2,987	1/4	1,831	1/4	674	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,119	1/2	2,963	1/2	1,807	1/2	650	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,095	3/4	2,939	3/4	1,782	3/4	626	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	4,071	7	2,915	7	1,758	7	602	7		7	7	7	7	7	7	7	7	7
1/4	1/4	4,047	1/4	2,890	1/4	1,734	1/4	578	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,023	1/2	2,866	1/2	1,710	1/2	554	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	5,148	3/4	3,999	3/4	2,842	3/4	1,686	3/4	530	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	5,124	8	3,974	8	2,818	8	1,662	8	506	8	8	8	8	8	8	8	8	8
1/4	1/4	5,100	1/4	3,950	1/4	2,794	1/4	1,638	1/4	482	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	5,077	1/2	3,926	1/2	2,770	1/2	1,614	1/2	458	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	5,053	3/4	3,902	3/4	2,746	3/4	1,590	3/4	434	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	5,029	9	3,878	9	2,722	9	1,566	9	409	9	9	9	9	9	9	9	9	9
1/4	1/4	5,005	1/4	3,854	1/4	2,698	1/4	1,542	1/4	385	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,982	1/2	3,830	1/2	2,674	1/2	1,518	1/2	361	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,958	3/4	3,806	3/4	2,650	3/4	1,493	3/4	337	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	4,934	10	3,782	10	2,626	10	1,469	10	313	10	10	10	10	10	10	10	10	10
1/4	1/4	4,911	1/4	3,758	1/4	2,601	1/4	1,445	1/4	289	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,887	1/2	3,734	1/2	2,577	1/2	1,421	1/2	265	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,863	3/4	3,709	3/4	2,553	3/4	1,397	3/4	241	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	4,839	11	3,685	11	2,529	11	1,373	11	217	11	11	11	11	11	11	11	11	11
1/4	1/4	4,816	1/4	3,661	1/4	2,505	1/4	1,349	1/4	193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,792	1/2	3,637	1/2	2,481	1/2	1,325	1/2	169	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,768	3/4	3,613	3/4	2,457	3/4	1,301	3/4	145	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.

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 LIP OF 8" HATCH

STRAPPED: 05/08/2019 CL  
CALCULATED: 05/09/2019 CL  
PRINTED: 05/10/2019 CL

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019