



BARGE "CBC 1704"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-5/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 162'-03"

September 11, 2019

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

<http://www.pmacorp.net>



BARGE "CBC 1704"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	39	0	15,706	0	34,517	0	53,168	0	71,863	0	90,644	0	109,426	0	128,184	0	146,970	0	165,757
1/4	88	1/4	16,098	1/4	34,909	1/4	53,554	1/4	72,255	1/4	91,036	1/4	109,816	1/4	128,575	1/4	147,362	1/4	166,149
1/2	137	1/2	16,490	1/2	35,300	1/2	53,940	1/2	72,646	1/2	91,427	1/2	110,207	1/2	128,966	1/2	147,753	1/2	166,540
3/4	186	3/4	16,882	3/4	35,692	3/4	54,325	3/4	73,037	3/4	91,818	3/4	110,598	3/4	129,358	3/4	148,145	3/4	166,931
1	235	1	17,274	1	36,083	1	54,711	1	73,428	1	92,210	1	110,989	1	129,749	1	148,536	1	167,323
1/4	382	1/4	17,666	1/4	36,475	1/4	55,097	1/4	73,820	1/4	92,601	1/4	111,379	1/4	130,141	1/4	148,927	1/4	167,714
1/2	529	1/2	18,058	1/2	36,866	1/2	55,482	1/2	74,211	1/2	92,992	1/2	111,770	1/2	130,532	1/2	149,319	1/2	168,105
3/4	676	3/4	18,450	3/4	37,257	3/4	55,868	3/4	74,602	3/4	93,383	3/4	112,161	3/4	130,923	3/4	149,710	3/4	168,495
2	823	2	18,842	2	37,649	2	56,254	2	74,994	2	93,775	2	112,551	2	131,315	2	150,102	2	168,886
1/4	1,068	1/4	19,234	1/4	38,040	1/4	56,640	1/4	75,385	1/4	94,166	1/4	112,942	1/4	131,706	1/4	150,493	1/4	169,277
1/2	1,313	1/2	19,626	1/2	38,432	1/2	57,026	1/2	75,776	1/2	94,557	1/2	113,333	1/2	132,098	1/2	150,884	1/2	169,668
3/4	1,558	3/4	20,018	3/4	38,823	3/4	57,412	3/4	76,167	3/4	94,948	3/4	113,723	3/4	132,489	3/4	151,276	3/4	170,059
3	1,803	3	20,410	3	39,215	3	57,798	3	76,559	3	95,340	3	114,114	3	132,880	3	151,667	3	170,450
1/4	2,146	1/4	20,801	1/4	39,606	1/4	58,184	1/4	76,950	1/4	95,731	1/4	114,505	1/4	133,272	1/4	152,059	1/4	170,841
1/2	2,489	1/2	21,193	1/2	39,998	1/2	58,570	1/2	77,341	1/2	96,122	1/2	114,895	1/2	133,663	1/2	152,450	1/2	171,232
3/4	2,832	3/4	21,585	3/4	40,389	3/4	58,956	3/4	77,732	3/4	96,514	3/4	115,286	3/4	134,054	3/4	152,841	3/4	171,623
4	3,174	4	21,977	4	40,781	4	59,343	4	78,124	4	96,905	4	115,677	4	134,446	4	153,233	4	172,013
1/4	3,564	1/4	22,369	1/4	41,172	1/4	59,734	1/4	78,515	1/4	97,296	1/4	116,067	1/4	134,837	1/4	153,624	1/4	172,404
1/2	3,954	1/2	22,761	1/2	41,563	1/2	60,125	1/2	78,906	1/2	97,687	1/2	116,458	1/2	135,229	1/2	154,016	1/2	172,795
3/4	4,345	3/4	23,153	3/4	41,955	3/4	60,516	3/4	79,298	3/4	98,079	3/4	116,848	3/4	135,620	3/4	154,407	3/4	173,186
5	4,735	5	23,545	5	42,346	5	60,908	5	79,689	5	98,470	5	117,239	5	136,011	5	154,798	5	173,577
1/4	5,126	1/4	23,937	1/4	42,738	1/4	61,299	1/4	80,080	1/4	98,861	1/4	117,630	1/4	136,403	1/4	155,190	1/4	173,968
1/2	5,517	1/2	24,329	1/2	43,129	1/2	61,690	1/2	80,471	1/2	99,252	1/2	118,020	1/2	136,794	1/2	155,581	1/2	174,359
3/4	5,909	3/4	24,721	3/4	43,521	3/4	62,082	3/4	80,863	3/4	99,644	3/4	118,411	3/4	137,186	3/4	155,973	3/4	174,750
6	6,300	6	25,113	6	43,912	6	62,473	6	81,254	6	100,035	6	118,802	6	137,577	6	156,364	6	175,141
1/4	6,692	1/4	25,505	1/4	44,298	1/4	62,864	1/4	81,645	1/4	100,426	1/4	119,192	1/4	137,968	1/4	156,755	1/4	175,532
1/2	7,084	1/2	25,897	1/2	44,683	1/2	63,255	1/2	82,036	1/2	100,818	1/2	119,583	1/2	138,360	1/2	157,147	1/2	175,922
3/4	7,476	3/4	26,289	3/4	45,069	3/4	63,647	3/4	82,428	3/4	101,209	3/4	119,974	3/4	138,751	3/4	157,538	3/4	176,313
7	7,868	7	26,681	7	45,455	7	64,038	7	82,819	7	101,600	7	120,364	7	139,143	7	157,930	7	176,704
1/4	8,259	1/4	27,072	1/4	45,840	1/4	64,429	1/4	83,210	1/4	101,991	1/4	120,755	1/4	139,534	1/4	158,321	1/4	177,095
1/2	8,651	1/2	27,464	1/2	46,226	1/2	64,820	1/2	83,602	1/2	102,383	1/2	121,146	1/2	139,925	1/2	158,712	1/2	177,486
3/4	9,043	3/4	27,856	3/4	46,612	3/4	65,212	3/4	83,993	3/4	102,774	3/4	121,536	3/4	140,317	3/4	159,104	3/4	177,877
8	9,435	8	28,248	8	46,998	8	65,603	8	84,384	8	103,165	8	121,927	8	140,708	8	159,495	8	178,268
1/4	9,827	1/4	28,640	1/4	47,383	1/4	65,994	1/4	84,775	1/4	103,557	1/4	122,318	1/4	141,100	1/4	159,886	1/4	178,659
1/2	10,219	1/2	29,032	1/2	47,769	1/2	66,386	1/2	85,167	1/2	103,948	1/2	122,708	1/2	141,491	1/2	160,278	1/2	179,050
3/4	10,611	3/4	29,424	3/4	48,155	3/4	66,777	3/4	85,558	3/4	104,339	3/4	123,099	3/4	141,882	3/4	160,669	3/4	179,441
9	11,003	9	29,816	9	48,540	9	67,168	9	85,949	9	104,730	9	123,490	9	142,274	9	161,061	9	179,832
1/4	11,395	1/4	30,208	1/4	48,926	1/4	67,559	1/4	86,340	1/4	105,122	1/4	123,880	1/4	142,665	1/4	161,452	1/4	180,223
1/2	11,787	1/2	30,600	1/2	49,312	1/2	67,951	1/2	86,732	1/2	105,513	1/2	124,271	1/2	143,057	1/2	161,843	1/2	180,614
3/4	12,179	3/4	30,992	3/4	49,697	3/4	68,342	3/4	87,123	3/4	105,904	3/4	124,662	3/4	143,448	3/4	162,235	3/4	181,005
10	12,571	10	31,384	10	50,083	10	68,733	10	87,514	10	106,295	10	125,052	10	143,839	10	162,626	10	181,396
1/4	12,963	1/4	31,776	1/4	50,469	1/4	69,124	1/4	87,906	1/4	106,687	1/4	125,444	1/4	144,231	1/4	163,018	1/4	181,787
1/2	13,355	1/2	32,168	1/2	50,854	1/2	69,516	1/2	88,297	1/2	107,078	1/2	125,835	1/2	144,622	1/2	163,409	1/2	182,178
3/4	13,747	3/4	32,560	3/4	51,240	3/4	69,907	3/4	88,688	3/4	107,469	3/4	126,227	3/4	145,014	3/4	163,800	3/4	182,569
11	14,139	11	32,952	11	51,626	11	70,298	11	89,079	11	107,861	11	126,618	11	145,405	11	164,192	11	182,960
1/4	14,530	1/4	33,343	1/4	52,011	1/4	70,690	1/4	89,471	1/4	108,252	1/4	127,009	1/4	145,796	1/4	164,583	1/4	183,351
1/2	14,922	1/2	33,734	1/2	52,397	1/2	71,081	1/2	89,862	1/2	108,643	1/2	127,401	1/2	146,188	1/2	164,974	1/2	183,742
3/4	15,314	3/4	34,126	3/4	52,783	3/4	71,472	3/4	90,253	3/4	109,034	3/4	127,792	3/4	146,579	3/4	165,366	3/4	184,133

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 1'-03" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1704"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	183,572	0	200,017	0	216,455	0	229,854	0		0		0		0		0		0	
1/4	183,915	1/4	200,359	1/4	216,797	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	184,258	1/2	200,702	1/2	217,140	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	184,602	3/4	201,044	3/4	217,482	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	184,945	1	201,387	1	217,825	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,289	1/4	201,729	1/4	218,167	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	185,632	1/2	202,072	1/2	218,510	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	185,975	3/4	202,414	3/4	218,852	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	186,319	2	202,757	2	219,194	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,661	1/4	203,099	1/4	219,537	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	187,004	1/2	203,441	1/2	219,879	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	187,346	3/4	203,784	3/4	220,222	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	187,688	3	204,126	3	220,564	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,031	1/4	204,469	1/4	220,907	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	188,373	1/2	204,811	1/2	221,249	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	188,716	3/4	205,154	3/4	221,592	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	189,058	4	205,496	4	221,934	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,401	1/4	205,839	1/4	222,277	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	189,743	1/2	206,181	1/2	222,619	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	190,086	3/4	206,524	3/4	222,962	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	190,428	5	206,866	5	223,304	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	190,771	1/4	207,209	1/4	223,646	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	191,113	1/2	207,551	1/2	223,989	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	191,455	3/4	207,893	3/4	224,331	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	191,798	6	208,236	6	224,673	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,140	1/4	208,578	1/4	225,004	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	192,483	1/2	208,921	1/2	225,335	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	192,825	3/4	209,263	3/4	225,665	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	193,168	7	209,606	7	225,996	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	193,510	1/4	209,948	1/4	226,320	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	193,853	1/2	210,291	1/2	226,643	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	194,195	3/4	210,633	3/4	226,967	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	194,538	8	210,976	8	227,290	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	194,880	1/4	211,318	1/4	227,548	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	195,223	1/2	211,660	1/2	227,807	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	195,565	3/4	212,003	3/4	228,065	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	195,907	9	212,345	9	228,323	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	196,250	1/4	212,688	1/4	228,516	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	196,592	1/2	213,030	1/2	228,709	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	196,935	3/4	213,373	3/4	228,902	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	197,277	10	213,715	10	229,095	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	197,620	1/4	214,058	1/4	229,222	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	197,962	1/2	214,400	1/2	229,350	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	198,305	3/4	214,743	3/4	229,477	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	198,647	11	215,085	11	229,605	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	198,990	1/4	215,427	1/4	229,667	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	199,332	1/2	215,770	1/2	229,729	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	199,674	3/4	216,112	3/4	229,792	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	751	0	10,987	0	21,502	0	31,985	0	42,498	0	53,014	0	63,530	0	74,045	0	84,561	0	95,076
1/4	888	1/4	11,206	1/4	21,721	1/4	32,204	1/4	42,717	1/4	53,233	1/4	63,749	1/4	74,265	1/4	84,780	1/4	95,295
1/2	1,025	1/2	11,425	1/2	21,940	1/2	32,422	1/2	42,936	1/2	53,452	1/2	63,968	1/2	74,484	1/2	84,999	1/2	95,514
3/4	1,217	3/4	11,644	3/4	22,159	3/4	32,641	3/4	43,155	3/4	53,671	3/4	64,187	3/4	74,703	3/4	85,218	3/4	95,733
1	1,408	1	11,863	1	22,379	1	32,860	1	43,374	1	53,890	1	64,406	1	74,922	1	85,438	1	95,952
1/4	1,600	1/4	12,082	1/4	22,598	1/4	33,078	1/4	43,594	1/4	54,109	1/4	64,625	1/4	75,141	1/4	85,657	1/4	96,171
1/2	1,792	1/2	12,301	1/2	22,817	1/2	33,297	1/2	43,813	1/2	54,328	1/2	64,844	1/2	75,360	1/2	85,876	1/2	96,390
3/4	2,010	3/4	12,520	3/4	23,036	3/4	33,516	3/4	44,032	3/4	54,547	3/4	65,063	3/4	75,579	3/4	86,095	3/4	96,609
2	2,228	2	12,739	2	23,255	2	33,735	2	44,251	2	54,767	2	65,282	2	75,798	2	86,314	2	96,828
1/4	2,446	1/4	12,959	1/4	23,474	1/4	33,954	1/4	44,470	1/4	54,986	1/4	65,501	1/4	76,017	1/4	86,533	1/4	97,047
1/2	2,664	1/2	13,178	1/2	23,693	1/2	34,173	1/2	44,689	1/2	55,205	1/2	65,720	1/2	76,236	1/2	86,752	1/2	97,266
3/4	2,882	3/4	13,397	3/4	23,912	3/4	34,392	3/4	44,908	3/4	55,424	3/4	65,940	3/4	76,455	3/4	86,971	3/4	97,485
3	3,101	3	13,616	3	24,131	3	34,611	3	45,127	3	55,643	3	66,159	3	76,674	3	87,190	3	97,704
1/4	3,320	1/4	13,835	1/4	24,350	1/4	34,830	1/4	45,346	1/4	55,862	1/4	66,378	1/4	76,893	1/4	87,409	1/4	97,923
1/2	3,539	1/2	14,054	1/2	24,569	1/2	35,049	1/2	45,565	1/2	56,081	1/2	66,597	1/2	77,113	1/2	87,628	1/2	98,142
3/4	3,758	3/4	14,273	3/4	24,787	3/4	35,269	3/4	45,784	3/4	56,300	3/4	66,816	3/4	77,332	3/4	87,847	3/4	98,361
4	3,977	4	14,492	4	25,005	4	35,488	4	46,003	4	56,519	4	67,035	4	77,551	4	88,067	4	98,580
1/4	4,196	1/4	14,711	1/4	25,223	1/4	35,707	1/4	46,222	1/4	56,738	1/4	67,254	1/4	77,770	1/4	88,286	1/4	98,799
1/2	4,415	1/2	14,930	1/2	25,442	1/2	35,926	1/2	46,442	1/2	56,957	1/2	67,473	1/2	77,989	1/2	88,505	1/2	99,018
3/4	4,634	3/4	15,149	3/4	25,660	3/4	36,145	3/4	46,661	3/4	57,176	3/4	67,692	3/4	78,208	3/4	88,724	3/4	99,236
5	4,853	5	15,368	5	25,878	5	36,364	5	46,880	5	57,395	5	67,911	5	78,427	5	88,943	5	99,455
1/4	5,072	1/4	15,587	1/4	26,096	1/4	36,583	1/4	47,099	1/4	57,615	1/4	68,130	1/4	78,646	1/4	89,162	1/4	99,674
1/2	5,291	1/2	15,806	1/2	26,314	1/2	36,802	1/2	47,318	1/2	57,834	1/2	68,349	1/2	78,865	1/2	89,381	1/2	99,893
3/4	5,510	3/4	16,026	3/4	26,532	3/4	37,021	3/4	47,537	3/4	58,053	3/4	68,569	3/4	79,084	3/4	89,600	3/4	100,112
6	5,729	6	16,245	6	26,750	6	37,240	6	47,756	6	58,272	6	68,788	6	79,303	6	89,819	6	100,331
1/4	5,948	1/4	16,464	1/4	26,968	1/4	37,459	1/4	47,975	1/4	58,491	1/4	69,007	1/4	79,522	1/4	90,038	1/4	100,550
1/2	6,167	1/2	16,683	1/2	27,186	1/2	37,678	1/2	48,194	1/2	58,710	1/2	69,226	1/2	79,742	1/2	90,257	1/2	100,769
3/4	6,386	3/4	16,902	3/4	27,404	3/4	37,898	3/4	48,413	3/4	58,929	3/4	69,445	3/4	79,961	3/4	90,476	3/4	100,988
7	6,606	7	17,121	7	27,622	7	38,117	7	48,632	7	59,148	7	69,664	7	80,180	7	90,695	7	101,207
1/4	6,825	1/4	17,340	1/4	27,840	1/4	38,336	1/4	48,851	1/4	59,367	1/4	69,883	1/4	80,399	1/4	90,915	1/4	101,426
1/2	7,044	1/2	17,559	1/2	28,058	1/2	38,555	1/2	49,071	1/2	59,586	1/2	70,102	1/2	80,618	1/2	91,134	1/2	101,645
3/4	7,263	3/4	17,778	3/4	28,276	3/4	38,774	3/4	49,290	3/4	59,805	3/4	70,321	3/4	80,837	3/4	91,353	3/4	101,864
8	7,482	8	17,997	8	28,495	8	38,993	8	49,509	8	60,024	8	70,540	8	81,056	8	91,572	8	102,083
1/4	7,701	1/4	18,216	1/4	28,713	1/4	39,212	1/4	49,728	1/4	60,244	1/4	70,759	1/4	81,275	1/4	91,791	1/4	102,302
1/2	7,920	1/2	18,435	1/2	28,931	1/2	39,431	1/2	49,947	1/2	60,463	1/2	70,978	1/2	81,494	1/2	92,010	1/2	102,521
3/4	8,139	3/4	18,654	3/4	29,149	3/4	39,650	3/4	50,166	3/4	60,682	3/4	71,197	3/4	81,713	3/4	92,229	3/4	102,740
9	8,358	9	18,873	9	29,367	9	39,869	9	50,385	9	60,901	9	71,417	9	81,932	9	92,448	9	102,959
1/4	8,577	1/4	19,092	1/4	29,585	1/4	40,088	1/4	50,604	1/4	61,120	1/4	71,636	1/4	82,151	1/4	92,667	1/4	103,178
1/2	8,796	1/2	19,312	1/2	29,803	1/2	40,307	1/2	50,823	1/2	61,339	1/2	71,855	1/2	82,370	1/2	92,886	1/2	103,397
3/4	9,015	3/4	19,531	3/4	30,021	3/4	40,526	3/4	51,042	3/4	61,558	3/4	72,074	3/4	82,590	3/4	93,105	3/4	103,616
10	9,234	10	19,750	10	30,239	10	40,746	10	51,261	10	61,777	10	72,293	10	82,809	10	93,324	10	103,835
1/4	9,453	1/4	19,969	1/4	30,457	1/4	40,965	1/4	51,480	1/4	61,996	1/4	72,512	1/4	83,028	1/4	93,543	1/4	104,054
1/2	9,673	1/2	20,188	1/2	30,675	1/2	41,184	1/2	51,699	1/2	62,215	1/2	72,731	1/2	83,247	1/2	93,762	1/2	104,273
3/4	9,892	3/4	20,407	3/4	30,893	3/4	41,403	3/4	51,919	3/4	62,434	3/4	72,950	3/4	83,466	3/4	93,981	3/4	104,492
11	10,111	11	20,626	11	31,111	11	41,622	11	52,138	11	62,653	11	73,169	11	83,685	11	94,200	11	104,711
1/4	10,330	1/4	20,845	1/4	31,330	1/4	41,841	1/4	52,357	1/4	62,872	1/4	73,388	1/4	83,904	1/4	94,419	1/4	104,930
1/2	10,549	1/2	21,064	1/2	31,548	1/2	42,060	1/2	52,576	1/2	63,092	1/2	73,607	1/2	84,123	1/2	94,638	1/2	105,149
3/4	10,768	3/4	21,283	3/4	31,766	3/4	42,279	3/4	52,795	3/4	63,311	3/4	73,826	3/4	84,342	3/4	94,857	3/4	105,368

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1704"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	105,587	0	116,082	0	126,563	0		0		0		0		0		0		0	
1/4	105,806	1/4	116,300	1/4	126,782	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,025	1/2	116,518	1/2	127,000	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,244	3/4	116,737	3/4	127,218	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,463	1	116,955	1	127,437	1		1		1		1		1		1		1	
1/4	106,682	1/4	117,174	1/4	127,655	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,901	1/2	117,392	1/2	127,873	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,120	3/4	117,610	3/4	128,092	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,339	2	117,829	2	128,310	2		2		2		2		2		2		2	
1/4	107,558	1/4	118,047	1/4	128,529	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,777	1/2	118,265	1/2	128,747	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,995	3/4	118,484	3/4	128,965	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	108,214	3	118,702	3	129,183	3		3		3		3		3		3		3	
1/4	108,433	1/4	118,920	1/4	129,402	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,652	1/2	119,139	1/2	129,620	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,871	3/4	119,357	3/4	129,832	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	109,090	4	119,576	4	130,044	4		4		4		4		4		4		4	
1/4	109,309	1/4	119,794	1/4	130,255	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,528	1/2	120,012	1/2	130,467	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,747	3/4	120,231	3/4	130,647	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,966	5	120,449	5	130,827	5		5		5		5		5		5		5	
1/4	110,185	1/4	120,667	1/4	131,008	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,404	1/2	120,886	1/2	131,188	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,623	3/4	121,104	3/4	131,331	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,841	6	121,322	6	131,475	6		6		6		6		6		6		6	
1/4	111,059	1/4	121,541	1/4	131,619	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,278	1/2	121,759	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,496	3/4	121,978	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,714	7	122,196	7		7		7		7		7		7		7		7	
1/4	111,933	1/4	122,414	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,151	1/2	122,633	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,369	3/4	122,851	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,588	8	123,069	8		8		8		8		8		8		8		8	
1/4	112,806	1/4	123,288	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,025	1/2	123,506	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,243	3/4	123,724	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,461	9	123,943	9		9		9		9		9		9		9		9	
1/4	113,680	1/4	124,161	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,898	1/2	124,380	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,116	3/4	124,598	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,335	10	124,816	10		10		10		10		10		10		10		10	
1/4	114,553	1/4	125,035	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,772	1/2	125,253	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,990	3/4	125,471	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	115,208	11	125,690	11		11		11		11		11		11		11		11	
1/4	115,427	1/4	125,908	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,645	1/2	126,126	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,863	3/4	126,345	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: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	750	0	10,975	0	21,479	0	31,697	0	42,155	0	52,659	0	63,164	0	73,669	0	84,173	0	94,677
1/4	887	1/4	11,194	1/4	21,698	1/4	31,908	1/4	42,374	1/4	52,878	1/4	63,383	1/4	73,887	1/4	84,392	1/4	94,895
1/2	1,024	1/2	11,413	1/2	21,917	1/2	32,119	1/2	42,592	1/2	53,097	1/2	63,602	1/2	74,106	1/2	84,611	1/2	95,114
3/4	1,215	3/4	11,632	3/4	22,136	3/4	32,330	3/4	42,811	3/4	53,316	3/4	63,821	3/4	74,325	3/4	84,830	3/4	95,333
1	1,407	1	11,851	1	22,355	1	32,541	1	43,030	1	53,535	1	64,039	1	74,544	1	85,049	1	95,552
1/4	1,598	1/4	12,069	1/4	22,574	1/4	32,752	1/4	43,249	1/4	53,754	1/4	64,258	1/4	74,763	1/4	85,267	1/4	95,770
1/2	1,790	1/2	12,288	1/2	22,792	1/2	32,963	1/2	43,468	1/2	53,972	1/2	64,477	1/2	74,982	1/2	85,486	1/2	95,989
3/4	2,008	3/4	12,507	3/4	23,011	3/4	33,182	3/4	43,687	3/4	54,191	3/4	64,696	3/4	75,200	3/4	85,705	3/4	96,208
2	2,225	2	12,726	2	23,230	2	33,401	2	43,906	2	54,410	2	64,915	2	75,419	2	85,924	2	96,427
1/4	2,443	1/4	12,945	1/4	23,449	1/4	33,620	1/4	44,124	1/4	54,629	1/4	65,134	1/4	75,638	1/4	86,143	1/4	96,645
1/2	2,661	1/2	13,164	1/2	23,668	1/2	33,839	1/2	44,343	1/2	54,848	1/2	65,352	1/2	75,857	1/2	86,362	1/2	96,864
3/4	2,879	3/4	13,382	3/4	23,887	3/4	34,057	3/4	44,562	3/4	55,067	3/4	65,571	3/4	76,076	3/4	86,580	3/4	97,083
3	3,098	3	13,601	3	24,105	3	34,276	3	44,781	3	55,286	3	65,790	3	76,295	3	86,799	3	97,302
1/4	3,316	1/4	13,820	1/4	24,324	1/4	34,495	1/4	45,000	1/4	55,504	1/4	66,009	1/4	76,514	1/4	87,018	1/4	97,520
1/2	3,535	1/2	14,039	1/2	24,543	1/2	34,714	1/2	45,219	1/2	55,723	1/2	66,228	1/2	76,732	1/2	87,237	1/2	97,739
3/4	3,754	3/4	14,258	3/4	24,754	3/4	34,933	3/4	45,437	3/4	55,942	3/4	66,447	3/4	76,951	3/4	87,456	3/4	97,958
4	3,973	4	14,477	4	24,964	4	35,152	4	45,656	4	56,161	4	66,665	4	77,170	4	87,675	4	98,177
1/4	4,191	1/4	14,695	1/4	25,174	1/4	35,371	1/4	45,875	1/4	56,380	1/4	66,884	1/4	77,389	1/4	87,894	1/4	98,395
1/2	4,410	1/2	14,914	1/2	25,385	1/2	35,589	1/2	46,094	1/2	56,599	1/2	67,103	1/2	77,608	1/2	88,112	1/2	98,614
3/4	4,629	3/4	15,133	3/4	25,595	3/4	35,808	3/4	46,313	3/4	56,817	3/4	67,322	3/4	77,827	3/4	88,331	3/4	98,833
5	4,848	5	15,352	5	25,805	5	36,027	5	46,532	5	57,036	5	67,541	5	78,045	5	88,550	5	99,052
1/4	5,067	1/4	15,571	1/4	26,016	1/4	36,246	1/4	46,751	1/4	57,255	1/4	67,760	1/4	78,264	1/4	88,769	1/4	99,270
1/2	5,286	1/2	15,790	1/2	26,226	1/2	36,465	1/2	46,969	1/2	57,474	1/2	67,979	1/2	78,483	1/2	88,988	1/2	99,489
3/4	5,504	3/4	16,009	3/4	26,437	3/4	36,684	3/4	47,188	3/4	57,693	3/4	68,197	3/4	78,702	3/4	89,207	3/4	99,708
6	5,723	6	16,227	6	26,647	6	36,902	6	47,407	6	57,912	6	68,416	6	78,921	6	89,425	6	99,927
1/4	5,942	1/4	16,446	1/4	26,857	1/4	37,121	1/4	47,626	1/4	58,131	1/4	68,635	1/4	79,140	1/4	89,644	1/4	100,145
1/2	6,161	1/2	16,665	1/2	27,068	1/2	37,340	1/2	47,845	1/2	58,349	1/2	68,854	1/2	79,359	1/2	89,863	1/2	100,364
3/4	6,380	3/4	16,884	3/4	27,278	3/4	37,559	3/4	48,064	3/4	58,568	3/4	69,073	3/4	79,577	3/4	90,082	3/4	100,583
7	6,599	7	17,103	7	27,489	7	37,778	7	48,282	7	58,787	7	69,292	7	79,796	7	90,301	7	100,801
1/4	6,817	1/4	17,322	1/4	27,699	1/4	37,997	1/4	48,501	1/4	59,006	1/4	69,510	1/4	80,015	1/4	90,520	1/4	101,020
1/2	7,036	1/2	17,540	1/2	27,909	1/2	38,216	1/2	48,720	1/2	59,225	1/2	69,729	1/2	80,234	1/2	90,739	1/2	101,239
3/4	7,255	3/4	17,759	3/4	28,120	3/4	38,434	3/4	48,939	3/4	59,444	3/4	69,948	3/4	80,453	3/4	90,957	3/4	101,458
8	7,474	8	17,978	8	28,330	8	38,653	8	49,158	8	59,662	8	70,167	8	80,672	8	91,176	8	101,676
1/4	7,693	1/4	18,197	1/4	28,540	1/4	38,872	1/4	49,377	1/4	59,881	1/4	70,386	1/4	80,890	1/4	91,395	1/4	101,895
1/2	7,912	1/2	18,416	1/2	28,751	1/2	39,091	1/2	49,596	1/2	60,100	1/2	70,605	1/2	81,109	1/2	91,614	1/2	102,114
3/4	8,130	3/4	18,635	3/4	28,961	3/4	39,310	3/4	49,814	3/4	60,319	3/4	70,824	3/4	81,328	3/4	91,833	3/4	102,333
9	8,349	9	18,853	9	29,172	9	39,529	9	50,033	9	60,538	9	71,042	9	81,547	9	92,052	9	102,551
1/4	8,568	1/4	19,072	1/4	29,382	1/4	39,747	1/4	50,252	1/4	60,757	1/4	71,261	1/4	81,766	1/4	92,270	1/4	102,770
1/2	8,787	1/2	19,291	1/2	29,592	1/2	39,966	1/2	50,471	1/2	60,976	1/2	71,480	1/2	81,985	1/2	92,489	1/2	102,989
3/4	9,006	3/4	19,510	3/4	29,803	3/4	40,185	3/4	50,690	3/4	61,194	3/4	71,699	3/4	82,204	3/4	92,708	3/4	103,208
10	9,225	10	19,729	10	30,013	10	40,404	10	50,909	10	61,413	10	71,918	10	82,422	10	92,927	10	103,426
1/4	9,443	1/4	19,948	1/4	30,224	1/4	40,623	1/4	51,127	1/4	61,632	1/4	72,137	1/4	82,641	1/4	93,146	1/4	103,645
1/2	9,662	1/2	20,166	1/2	30,434	1/2	40,842	1/2	51,346	1/2	61,851	1/2	72,355	1/2	82,860	1/2	93,364	1/2	103,864
3/4	9,881	3/4	20,385	3/4	30,644	3/4	41,061	3/4	51,565	3/4	62,070	3/4	72,574	3/4	83,079	3/4	93,583	3/4	104,083
11	10,100	11	20,604	11	30,855	11	41,279	11	51,784	11	62,289	11	72,793	11	83,298	11	93,802	11	104,301
1/4	10,319	1/4	20,823	1/4	31,065	1/4	41,498	1/4	52,003	1/4	62,507	1/4	73,012	1/4	83,517	1/4	94,020	1/4	104,520
1/2	10,538	1/2	21,042	1/2	31,275	1/2	41,717	1/2	52,222	1/2	62,726	1/2	73,231	1/2	83,735	1/2	94,239	1/2	104,739
3/4	10,756	3/4	21,261	3/4	31,486	3/4	41,936	3/4	52,441	3/4	62,945	3/4	73,450	3/4	83,954	3/4	94,458	3/4	104,958

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1704"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	105,176	0	115,660	0	126,131	0		0		0		0		0		0		0	
1/4	105,395	1/4	115,878	1/4	126,349	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,614	1/2	116,096	1/2	126,567	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	105,833	3/4	116,315	3/4	126,785	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,051	1	116,533	1	127,003	1		1		1		1		1		1		1	
1/4	106,270	1/4	116,751	1/4	127,221	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,489	1/2	116,969	1/2	127,439	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,708	3/4	117,187	3/4	127,657	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	106,926	2	117,405	2	127,876	2		2		2		2		2		2		2	
1/4	107,145	1/4	117,623	1/4	128,094	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,364	1/2	117,841	1/2	128,312	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,583	3/4	118,060	3/4	128,530	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	107,801	3	118,278	3	128,748	3		3		3		3		3		3		3	
1/4	108,020	1/4	118,496	1/4	128,966	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,239	1/2	118,714	1/2	129,184	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,457	3/4	118,932	3/4	129,396	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	108,676	4	119,150	4	129,607	4		4		4		4		4		4		4	
1/4	108,895	1/4	119,368	1/4	129,819	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,114	1/2	119,587	1/2	130,030	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,332	3/4	119,805	3/4	130,210	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,551	5	120,023	5	130,390	5		5		5		5		5		5		5	
1/4	109,770	1/4	120,241	1/4	130,570	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,989	1/2	120,459	1/2	130,750	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,207	3/4	120,677	3/4	130,894	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,425	6	120,895	6	131,037	6		6		6		6		6		6		6	
1/4	110,643	1/4	121,113	1/4	131,180	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,861	1/2	121,332	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,079	3/4	121,550	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,297	7	121,768	7		7		7		7		7		7		7		7	
1/4	111,516	1/4	121,986	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,734	1/2	122,204	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,952	3/4	122,422	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,170	8	122,640	8		8		8		8		8		8		8		8	
1/4	112,388	1/4	122,859	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,606	1/2	123,077	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,824	3/4	123,295	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,043	9	123,513	9		9		9		9		9		9		9		9	
1/4	113,261	1/4	123,731	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,479	1/2	123,949	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,697	3/4	124,167	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	113,915	10	124,385	10		10		10		10		10		10		10		10	
1/4	114,133	1/4	124,604	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,351	1/2	124,822	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,569	3/4	125,040	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	114,788	11	125,258	11		11		11		11		11		11		11		11	
1/4	115,006	1/4	125,476	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,224	1/2	125,694	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,442	3/4	125,912	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: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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	39	0	15,560	0	34,198	0	52,816	0	71,444	0	90,082	0	108,720	0	127,358	0	145,995	0	164,632
1/4	88	1/4	15,948	1/4	34,586	1/4	53,203	1/4	71,833	1/4	90,470	1/4	109,108	1/4	127,746	1/4	146,383	1/4	165,020
1/2	136	1/2	16,337	1/2	34,974	1/2	53,591	1/2	72,221	1/2	90,859	1/2	109,497	1/2	128,135	1/2	146,772	1/2	165,408
3/4	185	3/4	16,725	3/4	35,362	3/4	53,978	3/4	72,609	3/4	91,247	3/4	109,885	3/4	128,523	3/4	147,160	3/4	165,796
1	233	1	17,113	1	35,751	1	54,366	1	72,997	1	91,635	1	110,273	1	128,911	1	147,548	1	166,184
1/4	379	1/4	17,502	1/4	36,139	1/4	54,753	1/4	73,386	1/4	92,024	1/4	110,662	1/4	129,299	1/4	147,936	1/4	166,572
1/2	525	1/2	17,890	1/2	36,527	1/2	55,141	1/2	73,774	1/2	92,412	1/2	111,050	1/2	129,688	1/2	148,325	1/2	166,960
3/4	670	3/4	18,278	3/4	36,916	3/4	55,528	3/4	74,162	3/4	92,800	3/4	111,438	3/4	130,076	3/4	148,713	3/4	167,349
2	816	2	18,666	2	37,304	2	55,916	2	74,551	2	93,189	2	111,826	2	130,464	2	149,101	2	167,737
1/4	1,058	1/4	19,055	1/4	37,692	1/4	56,304	1/4	74,939	1/4	93,577	1/4	112,215	1/4	130,852	1/4	149,489	1/4	168,125
1/2	1,301	1/2	19,443	1/2	38,080	1/2	56,692	1/2	75,327	1/2	93,965	1/2	112,603	1/2	131,241	1/2	149,878	1/2	168,513
3/4	1,544	3/4	19,831	3/4	38,469	3/4	57,080	3/4	75,715	3/4	94,353	3/4	112,991	3/4	131,629	3/4	150,266	3/4	168,901
3	1,786	3	20,219	3	38,857	3	57,467	3	76,104	3	94,742	3	113,380	3	132,017	3	150,654	3	169,289
1/4	2,126	1/4	20,608	1/4	39,245	1/4	57,855	1/4	76,492	1/4	95,130	1/4	113,768	1/4	132,406	1/4	151,043	1/4	169,677
1/2	2,466	1/2	20,996	1/2	39,634	1/2	58,243	1/2	76,880	1/2	95,518	1/2	114,156	1/2	132,794	1/2	151,431	1/2	170,065
3/4	2,805	3/4	21,384	3/4	40,022	3/4	58,631	3/4	77,269	3/4	95,907	3/4	114,544	3/4	133,182	3/4	151,819	3/4	170,453
4	3,145	4	21,773	4	40,410	4	59,019	4	77,657	4	96,295	4	114,933	4	133,570	4	152,207	4	170,841
1/4	3,532	1/4	22,161	1/4	40,798	1/4	59,407	1/4	78,045	1/4	96,683	1/4	115,321	1/4	133,959	1/4	152,596	1/4	171,229
1/2	3,918	1/2	22,549	1/2	41,187	1/2	59,796	1/2	78,434	1/2	97,071	1/2	115,709	1/2	134,347	1/2	152,984	1/2	171,618
3/4	4,304	3/4	22,937	3/4	41,575	3/4	60,184	3/4	78,822	3/4	97,460	3/4	116,098	3/4	134,735	3/4	153,372	3/4	172,006
5	4,691	5	23,326	5	41,963	5	60,572	5	79,210	5	97,848	5	116,486	5	135,123	5	153,760	5	172,394
1/4	5,078	1/4	23,714	1/4	42,351	1/4	60,960	1/4	79,598	1/4	98,236	1/4	116,874	1/4	135,512	1/4	154,149	1/4	172,782
1/2	5,466	1/2	24,102	1/2	42,740	1/2	61,349	1/2	79,987	1/2	98,625	1/2	117,263	1/2	135,900	1/2	154,537	1/2	173,170
3/4	5,854	3/4	24,491	3/4	43,128	3/4	61,737	3/4	80,375	3/4	99,013	3/4	117,651	3/4	136,288	3/4	154,925	3/4	173,558
6	6,242	6	24,879	6	43,516	6	62,125	6	80,763	6	99,401	6	118,039	6	136,677	6	155,313	6	173,946
1/4	6,630	1/4	25,267	1/4	43,904	1/4	62,514	1/4	81,152	1/4	99,789	1/4	118,427	1/4	137,065	1/4	155,702	1/4	174,334
1/2	7,018	1/2	25,655	1/2	44,291	1/2	62,902	1/2	81,540	1/2	100,178	1/2	118,816	1/2	137,453	1/2	156,090	1/2	174,722
3/4	7,406	3/4	26,044	3/4	44,679	3/4	63,290	3/4	81,928	3/4	100,566	3/4	119,204	3/4	137,841	3/4	156,478	3/4	175,110
7	7,794	7	26,432	7	45,066	7	63,678	7	82,316	7	100,954	7	119,592	7	138,230	7	156,867	7	175,498
1/4	8,183	1/4	26,820	1/4	45,454	1/4	64,067	1/4	82,705	1/4	101,343	1/4	119,981	1/4	138,618	1/4	157,255	1/4	175,887
1/2	8,571	1/2	27,209	1/2	45,841	1/2	64,455	1/2	83,093	1/2	101,731	1/2	120,369	1/2	139,006	1/2	157,643	1/2	176,275
3/4	8,959	3/4	27,597	3/4	46,229	3/4	64,843	3/4	83,481	3/4	102,119	3/4	120,757	3/4	139,394	3/4	158,031	3/4	176,663
8	9,348	8	27,985	8	46,616	8	65,232	8	83,870	8	102,507	8	121,145	8	139,783	8	158,420	8	177,051
1/4	9,736	1/4	28,373	1/4	47,004	1/4	65,620	1/4	84,258	1/4	102,896	1/4	121,534	1/4	140,171	1/4	158,808	1/4	177,439
1/2	10,124	1/2	28,762	1/2	47,391	1/2	66,008	1/2	84,646	1/2	103,284	1/2	121,922	1/2	140,559	1/2	159,196	1/2	177,827
3/4	10,512	3/4	29,150	3/4	47,779	3/4	66,397	3/4	85,034	3/4	103,672	3/4	122,310	3/4	140,947	3/4	159,584	3/4	178,215
9	10,901	9	29,538	9	48,166	9	66,785	9	85,423	9	104,061	9	122,699	9	141,336	9	159,973	9	178,603
1/4	11,289	1/4	29,927	1/4	48,554	1/4	67,173	1/4	85,811	1/4	104,449	1/4	123,087	1/4	141,724	1/4	160,361	1/4	178,991
1/2	11,677	1/2	30,315	1/2	48,941	1/2	67,561	1/2	86,199	1/2	104,837	1/2	123,475	1/2	142,112	1/2	160,749	1/2	179,379
3/4	12,066	3/4	30,703	3/4	49,329	3/4	67,950	3/4	86,588	3/4	105,226	3/4	123,863	3/4	142,501	3/4	161,138	3/4	179,767
10	12,454	10	31,091	10	49,716	10	68,338	10	86,976	10	105,614	10	124,252	10	142,889	10	161,526	10	180,155
1/4	12,842	1/4	31,480	1/4	50,104	1/4	68,726	1/4	87,364	1/4	106,002	1/4	124,640	1/4	143,277	1/4	161,914	1/4	180,544
1/2	13,230	1/2	31,868	1/2	50,491	1/2	69,115	1/2	87,752	1/2	106,390	1/2	125,028	1/2	143,665	1/2	162,302	1/2	180,932
3/4	13,619	3/4	32,256	3/4	50,879	3/4	69,503	3/4	88,141	3/4	106,779	3/4	125,417	3/4	144,054	3/4	162,691	3/4	181,320
11	14,007	11	32,644	11	51,266	11	69,891	11	88,529	11	107,167	11	125,805	11	144,442	11	163,079	11	181,708
1/4	14,395	1/4	33,033	1/4	51,653	1/4	70,279	1/4	88,917	1/4	107,555	1/4	126,193	1/4	144,830	1/4	163,467	1/4	182,096
1/2	14,784	1/2	33,421	1/2	52,041	1/2	70,668	1/2	89,306	1/2	107,944	1/2	126,581	1/2	145,218	1/2	163,855	1/2	182,484
3/4	15,172	3/4	33,809	3/4	52,428	3/4	71,056	3/4	89,694	3/4	108,332	3/4	126,970	3/4	145,607	3/4	164,244	3/4	182,872

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1704"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	183,260	0	201,880	0	220,483	0	235,168	0		0		0		0		0		0	
1/4	183,648	1/4	202,268	1/4	220,870	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184,036	1/2	202,655	1/2	221,258	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	184,424	3/4	203,043	3/4	221,645	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	184,813	1	203,430	1	222,033	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,201	1/4	203,818	1/4	222,420	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	185,589	1/2	204,205	1/2	222,808	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	185,977	3/4	204,593	3/4	223,196	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	186,365	2	204,980	2	223,583	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,753	1/4	205,368	1/4	223,971	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187,141	1/2	205,756	1/2	224,358	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	187,529	3/4	206,143	3/4	224,746	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	187,917	3	206,531	3	225,133	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,305	1/4	206,918	1/4	225,521	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188,693	1/2	207,306	1/2	225,908	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	189,082	3/4	207,693	3/4	226,296	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	189,470	4	208,081	4	226,684	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,858	1/4	208,468	1/4	227,071	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	190,246	1/2	208,856	1/2	227,459	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	190,634	3/4	209,244	3/4	227,846	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	191,022	5	209,631	5	228,234	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	191,410	1/4	210,019	1/4	228,621	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	191,798	1/2	210,406	1/2	229,009	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	192,186	3/4	210,794	3/4	229,396	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	192,574	6	211,181	6	229,783	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,962	1/4	211,569	1/4	230,162	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	193,351	1/2	211,956	1/2	230,541	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	193,739	3/4	212,344	3/4	230,920	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	194,127	7	212,732	7	231,299	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	194,515	1/4	213,119	1/4	231,622	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	194,903	1/2	213,507	1/2	231,945	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195,291	3/4	213,894	3/4	232,268	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	195,679	8	214,282	8	232,591	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	196,067	1/4	214,669	1/4	232,849	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196,454	1/2	215,057	1/2	233,107	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	196,842	3/4	215,444	3/4	233,365	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	197,229	9	215,832	9	233,623	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	197,617	1/4	216,220	1/4	233,817	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	198,004	1/2	216,607	1/2	234,010	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	198,392	3/4	216,995	3/4	234,203	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	198,779	10	217,382	10	234,397	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	199,167	1/4	217,770	1/4	234,526	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	199,555	1/2	218,157	1/2	234,654	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	199,942	3/4	218,545	3/4	234,783	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	200,330	11	218,932	11	234,912	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	200,717	1/4	219,320	1/4	234,976	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	201,105	1/2	219,708	1/2	235,040	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	201,492	3/4	220,095	3/4	235,104	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 162'-03"

September 11, 2019

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

<http://www.pmacorp.net>



BARGE "CBC 1704"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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		0	217,825	0	201,387	0	184,945	0	167,323	0	148,536	0	129,749	0	110,989
1/4		1/4		1/4		1/4	217,482	1/4	201,044	1/4	184,602	1/4	166,931	1/4	148,145	1/4	129,358	1/4	110,598
1/2		1/2		1/2		1/2	217,140	1/2	200,702	1/2	184,258	1/2	166,540	1/2	147,753	1/2	128,966	1/2	110,207
3/4		3/4		3/4		3/4	216,797	3/4	200,359	3/4	183,915	3/4	166,149	3/4	147,362	3/4	128,575	3/4	109,816
1		1		1	229,854	1	216,455	1	200,017	1	183,572	1	165,757	1	146,970	1	128,184	1	109,426
1/4		1/4		1/4	229,792	1/4	216,112	1/4	199,674	1/4	183,228	1/4	165,366	1/4	146,579	1/4	127,792	1/4	109,034
1/2		1/2		1/2	229,729	1/2	215,770	1/2	199,332	1/2	182,885	1/2	164,974	1/2	146,188	1/2	127,401	1/2	108,643
3/4		3/4		3/4	229,667	3/4	215,427	3/4	198,990	3/4	182,542	3/4	164,583	3/4	145,796	3/4	127,009	3/4	108,252
2		2		2	229,605	2	215,085	2	198,647	2	182,198	2	164,192	2	145,405	2	126,618	2	107,861
1/4		1/4		1/4	229,477	1/4	214,743	1/4	198,305	1/4	181,855	1/4	163,800	1/4	145,014	1/4	126,227	1/4	107,469
1/2		1/2		1/2	229,350	1/2	214,400	1/2	197,962	1/2	181,511	1/2	163,409	1/2	144,622	1/2	125,835	1/2	107,078
3/4		3/4		3/4	229,222	3/4	214,058	3/4	197,620	3/4	181,168	3/4	163,018	3/4	144,231	3/4	125,444	3/4	106,687
3		3		3	229,095	3	213,715	3	197,277	3	180,825	3	162,626	3	143,839	3	125,052	3	106,295
1/4		1/4		1/4	228,902	1/4	213,373	1/4	196,935	1/4	180,481	1/4	162,235	1/4	143,448	1/4	124,662	1/4	105,904
1/2		1/2		1/2	228,709	1/2	213,030	1/2	196,592	1/2	180,138	1/2	161,843	1/2	143,057	1/2	124,271	1/2	105,513
3/4		3/4		3/4	228,516	3/4	212,688	3/4	196,250	3/4	179,795	3/4	161,452	3/4	142,665	3/4	123,880	3/4	105,122
4		4		4	228,323	4	212,345	4	195,907	4	179,451	4	161,061	4	142,274	4	123,490	4	104,730
1/4		1/4		1/4	228,065	1/4	212,003	1/4	195,565	1/4	179,108	1/4	160,669	1/4	141,882	1/4	123,099	1/4	104,339
1/2		1/2		1/2	227,807	1/2	211,660	1/2	195,223	1/2	178,764	1/2	160,278	1/2	141,491	1/2	122,708	1/2	103,948
3/4		3/4		3/4	227,548	3/4	211,318	3/4	194,880	3/4	178,421	3/4	159,886	3/4	141,100	3/4	122,318	3/4	103,557
5		5		5	227,290	5	210,976	5	194,538	5	178,078	5	159,495	5	140,708	5	121,927	5	103,165
1/4		1/4		1/4	226,967	1/4	210,633	1/4	194,195	1/4	177,734	1/4	159,104	1/4	140,317	1/4	121,536	1/4	102,774
1/2		1/2		1/2	226,643	1/2	210,291	1/2	193,853	1/2	177,391	1/2	158,712	1/2	139,925	1/2	121,146	1/2	102,383
3/4		3/4		3/4	226,320	3/4	209,948	3/4	193,510	3/4	177,048	3/4	158,321	3/4	139,534	3/4	120,755	3/4	101,991
6		6		6	225,996	6	209,606	6	193,168	6	176,704	6	157,930	6	139,143	6	120,364	6	101,600
1/4		1/4		1/4	225,665	1/4	209,263	1/4	192,825	1/4	176,313	1/4	157,538	1/4	138,751	1/4	119,974	1/4	101,209
1/2		1/2		1/2	225,335	1/2	208,921	1/2	192,483	1/2	175,922	1/2	157,147	1/2	138,360	1/2	119,583	1/2	100,818
3/4		3/4		3/4	225,004	3/4	208,578	3/4	192,140	3/4	175,532	3/4	156,755	3/4	137,968	3/4	119,192	3/4	100,426
7		7		7	224,673	7	208,236	7	191,798	7	175,141	7	156,364	7	137,577	7	118,802	7	100,035
1/4		1/4		1/4	224,331	1/4	207,893	1/4	191,455	1/4	174,750	1/4	155,973	1/4	137,186	1/4	118,411	1/4	99,644
1/2		1/2		1/2	223,989	1/2	207,551	1/2	191,113	1/2	174,359	1/2	155,581	1/2	136,794	1/2	118,020	1/2	99,252
3/4		3/4		3/4	223,646	3/4	207,209	3/4	190,771	3/4	173,968	3/4	155,190	3/4	136,403	3/4	117,630	3/4	98,861
8		8		8	223,304	8	206,866	8	190,428	8	173,577	8	154,798	8	136,011	8	117,239	8	98,470
1/4		1/4		1/4	222,962	1/4	206,524	1/4	190,086	1/4	173,186	1/4	154,407	1/4	135,620	1/4	116,848	1/4	98,079
1/2		1/2		1/2	222,619	1/2	206,181	1/2	189,743	1/2	172,795	1/2	154,016	1/2	135,229	1/2	116,458	1/2	97,687
3/4		3/4		3/4	222,277	3/4	205,839	3/4	189,401	3/4	172,404	3/4	153,624	3/4	134,837	3/4	116,067	3/4	97,296
9		9		9	221,934	9	205,496	9	189,058	9	172,013	9	153,233	9	134,446	9	115,677	9	96,905
1/4		1/4		1/4	221,592	1/4	205,154	1/4	188,716	1/4	171,623	1/4	152,841	1/4	134,054	1/4	115,286	1/4	96,514
1/2		1/2		1/2	221,249	1/2	204,811	1/2	188,373	1/2	171,232	1/2	152,450	1/2	133,663	1/2	114,895	1/2	96,122
3/4		3/4		3/4	220,907	3/4	204,469	3/4	188,031	3/4	170,841	3/4	152,059	3/4	133,272	3/4	114,505	3/4	95,731
10		10		10	220,564	10	204,126	10	187,688	10	170,450	10	151,667	10	132,880	10	114,114	10	95,340
1/4		1/4		1/4	220,222	1/4	203,784	1/4	187,346	1/4	170,059	1/4	151,276	1/4	132,489	1/4	113,723	1/4	94,948
1/2		1/2		1/2	219,879	1/2	203,441	1/2	187,004	1/2	169,668	1/2	150,884	1/2	132,098	1/2	113,333	1/2	94,557
3/4		3/4		3/4	219,537	3/4	203,099	3/4	186,661	3/4	169,277	3/4	150,493	3/4	131,706	3/4	112,942	3/4	94,166
11		11		11	219,194	11	202,757	11	186,319	11	168,886	11	150,102	11	131,315	11	112,551	11	93,775
1/4		1/4		1/4	218,852	1/4	202,414	1/4	185,975	1/4	168,495	1/4	149,710	1/4	130,923	1/4	112,161	1/4	93,383
1/2		1/2		1/2	218,510	1/2	202,072	1/2	185,632	1/2	168,105	1/2	149,319	1/2	130,532	1/2	111,770	1/2	92,992
3/4		3/4		3/4	218,167	3/4	201,729	3/4	185,289	3/4	167,714	3/4	148,927	3/4	130,141	3/4	111,379	3/4	92,601

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 1'-03" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1704"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	92,210	0	73,428	0	54,711	0	36,083	0	17,274	0	235	0		0		0		0	
1/4	91,818	1/4	73,037	1/4	54,325	1/4	35,692	1/4	16,882	1/4	186	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,427	1/2	72,646	1/2	53,940	1/2	35,300	1/2	16,490	1/2	137	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,036	3/4	72,255	3/4	53,554	3/4	34,909	3/4	16,098	3/4	88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	90,644	1	71,863	1	53,168	1	34,517	1	15,706	1	39	1	1	1	1	1	1	1	1
1/4	90,253	1/4	71,472	1/4	52,783	1/4	34,126	1/4	15,314	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,862	1/2	71,081	1/2	52,397	1/2	33,734	1/2	14,922	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,471	3/4	70,690	3/4	52,011	3/4	33,343	3/4	14,530	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	89,079	2	70,298	2	51,626	2	32,952	2	14,139	2	2	2	2	2	2	2	2	2	2
1/4	88,688	1/4	69,907	1/4	51,240	1/4	32,560	1/4	13,747	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,297	1/2	69,516	1/2	50,854	1/2	32,168	1/2	13,355	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,906	3/4	69,124	3/4	50,469	3/4	31,776	3/4	12,963	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	87,514	3	68,733	3	50,083	3	31,384	3	12,571	3	3	3	3	3	3	3	3	3	3
1/4	87,123	1/4	68,342	1/4	49,697	1/4	30,992	1/4	12,179	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,732	1/2	67,951	1/2	49,312	1/2	30,600	1/2	11,787	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,340	3/4	67,559	3/4	48,926	3/4	30,208	3/4	11,395	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,949	4	67,168	4	48,540	4	29,816	4	11,003	4	4	4	4	4	4	4	4	4	4
1/4	85,558	1/4	66,777	1/4	48,155	1/4	29,424	1/4	10,611	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,167	1/2	66,386	1/2	47,769	1/2	29,032	1/2	10,219	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,775	3/4	65,994	3/4	47,383	3/4	28,640	3/4	9,827	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	84,384	5	65,603	5	46,998	5	28,248	5	9,435	5	5	5	5	5	5	5	5	5	5
1/4	83,993	1/4	65,212	1/4	46,612	1/4	27,856	1/4	9,043	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,602	1/2	64,820	1/2	46,226	1/2	27,464	1/2	8,651	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,210	3/4	64,429	3/4	45,840	3/4	27,072	3/4	8,259	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	82,819	6	64,038	6	45,455	6	26,681	6	7,868	6	6	6	6	6	6	6	6	6	6
1/4	82,428	1/4	63,647	1/4	45,069	1/4	26,289	1/4	7,476	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,036	1/2	63,255	1/2	44,683	1/2	25,897	1/2	7,084	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,645	3/4	62,864	3/4	44,298	3/4	25,505	3/4	6,692	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	81,254	7	62,473	7	43,912	7	25,113	7	6,300	7	7	7	7	7	7	7	7	7	7
1/4	80,863	1/4	62,082	1/4	43,521	1/4	24,721	1/4	5,909	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,471	1/2	61,690	1/2	43,129	1/2	24,329	1/2	5,517	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,080	3/4	61,299	3/4	42,738	3/4	23,937	3/4	5,126	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,689	8	60,908	8	42,346	8	23,545	8	4,735	8	8	8	8	8	8	8	8	8	8
1/4	79,298	1/4	60,516	1/4	41,955	1/4	23,153	1/4	4,345	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,906	1/2	60,125	1/2	41,563	1/2	22,761	1/2	3,954	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,515	3/4	59,734	3/4	41,172	3/4	22,369	3/4	3,564	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	78,124	9	59,343	9	40,781	9	21,977	9	3,174	9	9	9	9	9	9	9	9	9	9
1/4	77,732	1/4	58,956	1/4	40,389	1/4	21,585	1/4	2,832	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,341	1/2	58,570	1/2	39,998	1/2	21,193	1/2	2,489	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,950	3/4	58,184	3/4	39,606	3/4	20,801	3/4	2,146	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,559	10	57,798	10	39,215	10	20,410	10	1,803	10	10	10	10	10	10	10	10	10	10
1/4	76,167	1/4	57,412	1/4	38,823	1/4	20,018	1/4	1,558	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,776	1/2	57,026	1/2	38,432	1/2	19,626	1/2	1,313	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,385	3/4	56,640	3/4	38,040	3/4	19,234	3/4	1,068	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,994	11	56,254	11	37,649	11	18,842	11	823	11	11	11	11	11	11	11	11	11	11
1/4	74,602	1/4	55,868	1/4	37,257	1/4	18,450	1/4	676	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,211	1/2	55,482	1/2	36,866	1/2	18,058	1/2	529	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,820	3/4	55,097	3/4	36,475	3/4	17,666	3/4	382	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: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	0	0	0	0	121,759	0	111,278	0	100,769	0	90,257	0	79,742	0	69,226	0	58,710
1/4		1/4		1/4	131,619	1/4	121,541	1/4	111,059	1/4	100,550	1/4	90,038	1/4	79,522	1/4	69,007	1/4	58,491
1/2		1/2		1/2	131,475	1/2	121,322	1/2	110,841	1/2	100,331	1/2	89,819	1/2	79,303	1/2	68,788	1/2	58,272
3/4		3/4		3/4	131,331	3/4	121,104	3/4	110,623	3/4	100,112	3/4	89,600	3/4	79,084	3/4	68,569	3/4	58,053
1	1	1	1	1	131,188	1	120,886	1	110,404	1	99,893	1	89,381	1	78,865	1	68,349	1	57,834
1/4		1/4		1/4	131,008	1/4	120,667	1/4	110,185	1/4	99,674	1/4	89,162	1/4	78,646	1/4	68,130	1/4	57,615
1/2		1/2		1/2	130,827	1/2	120,449	1/2	109,966	1/2	99,455	1/2	88,943	1/2	78,427	1/2	67,911	1/2	57,395
3/4		3/4		3/4	130,647	3/4	120,231	3/4	109,747	3/4	99,236	3/4	88,724	3/4	78,208	3/4	67,692	3/4	57,176
2	2	2	2	2	130,467	2	120,012	2	109,528	2	99,018	2	88,505	2	77,989	2	67,473	2	56,957
1/4		1/4		1/4	130,255	1/4	119,794	1/4	109,309	1/4	98,799	1/4	88,286	1/4	77,770	1/4	67,254	1/4	56,738
1/2		1/2		1/2	130,044	1/2	119,576	1/2	109,090	1/2	98,580	1/2	88,067	1/2	77,551	1/2	67,035	1/2	56,519
3/4		3/4		3/4	129,832	3/4	119,357	3/4	108,871	3/4	98,361	3/4	87,847	3/4	77,332	3/4	66,816	3/4	56,300
3	3	3	3	3	129,620	3	119,139	3	108,652	3	98,142	3	87,628	3	77,113	3	66,597	3	56,081
1/4		1/4		1/4	129,402	1/4	118,920	1/4	108,433	1/4	97,923	1/4	87,409	1/4	76,893	1/4	66,378	1/4	55,862
1/2		1/2		1/2	129,183	1/2	118,702	1/2	108,214	1/2	97,704	1/2	87,190	1/2	76,674	1/2	66,159	1/2	55,643
3/4		3/4		3/4	128,965	3/4	118,484	3/4	107,995	3/4	97,485	3/4	86,971	3/4	76,455	3/4	65,940	3/4	55,424
4	4	4	4	4	128,747	4	118,265	4	107,777	4	97,266	4	86,752	4	76,236	4	65,720	4	55,205
1/4		1/4		1/4	128,529	1/4	118,047	1/4	107,558	1/4	97,047	1/4	86,533	1/4	76,017	1/4	65,501	1/4	54,986
1/2		1/2		1/2	128,310	1/2	117,829	1/2	107,339	1/2	96,828	1/2	86,314	1/2	75,798	1/2	65,282	1/2	54,767
3/4		3/4		3/4	128,092	3/4	117,610	3/4	107,120	3/4	96,609	3/4	86,095	3/4	75,579	3/4	65,063	3/4	54,547
5	5	5	5	5	127,873	5	117,392	5	106,901	5	96,390	5	85,876	5	75,360	5	64,844	5	54,328
1/4		1/4		1/4	127,655	1/4	117,174	1/4	106,682	1/4	96,171	1/4	85,657	1/4	75,141	1/4	64,625	1/4	54,109
1/2		1/2		1/2	127,437	1/2	116,955	1/2	106,463	1/2	95,952	1/2	85,438	1/2	74,922	1/2	64,406	1/2	53,890
3/4		3/4		3/4	127,218	3/4	116,737	3/4	106,244	3/4	95,733	3/4	85,218	3/4	74,703	3/4	64,187	3/4	53,671
6	6	6	6	6	127,000	6	116,518	6	106,025	6	95,514	6	84,999	6	74,484	6	63,968	6	53,452
1/4		1/4		1/4	126,782	1/4	116,300	1/4	105,806	1/4	95,295	1/4	84,780	1/4	74,265	1/4	63,749	1/4	53,233
1/2		1/2		1/2	126,563	1/2	116,082	1/2	105,587	1/2	95,076	1/2	84,561	1/2	74,045	1/2	63,530	1/2	53,014
3/4		3/4		3/4	126,345	3/4	115,863	3/4	105,368	3/4	94,857	3/4	84,342	3/4	73,826	3/4	63,311	3/4	52,795
7	7	7	7	7	126,126	7	115,645	7	105,149	7	94,638	7	84,123	7	73,607	7	63,092	7	52,576
1/4		1/4		1/4	125,908	1/4	115,427	1/4	104,930	1/4	94,419	1/4	83,904	1/4	73,388	1/4	62,872	1/4	52,357
1/2		1/2		1/2	125,690	1/2	115,208	1/2	104,711	1/2	94,200	1/2	83,685	1/2	73,169	1/2	62,653	1/2	52,138
3/4		3/4		3/4	125,471	3/4	114,990	3/4	104,492	3/4	93,981	3/4	83,466	3/4	72,950	3/4	62,434	3/4	51,919
8	8	8	8	8	125,253	8	114,772	8	104,273	8	93,762	8	83,247	8	72,731	8	62,215	8	51,699
1/4		1/4		1/4	125,035	1/4	114,553	1/4	104,054	1/4	93,543	1/4	83,028	1/4	72,512	1/4	61,996	1/4	51,480
1/2		1/2		1/2	124,816	1/2	114,335	1/2	103,835	1/2	93,324	1/2	82,809	1/2	72,293	1/2	61,777	1/2	51,261
3/4		3/4		3/4	124,598	3/4	114,116	3/4	103,616	3/4	93,105	3/4	82,590	3/4	72,074	3/4	61,558	3/4	51,042
9	9	9	9	9	124,380	9	113,898	9	103,397	9	92,886	9	82,370	9	71,855	9	61,339	9	50,823
1/4		1/4		1/4	124,161	1/4	113,680	1/4	103,178	1/4	92,667	1/4	82,151	1/4	71,636	1/4	61,120	1/4	50,604
1/2		1/2		1/2	123,943	1/2	113,461	1/2	102,959	1/2	92,448	1/2	81,932	1/2	71,417	1/2	60,901	1/2	50,385
3/4		3/4		3/4	123,724	3/4	113,243	3/4	102,740	3/4	92,229	3/4	81,713	3/4	71,197	3/4	60,682	3/4	50,166
10	10	10	10	10	123,506	10	113,025	10	102,521	10	92,010	10	81,494	10	70,978	10	60,463	10	49,947
1/4		1/4		1/4	123,288	1/4	112,806	1/4	102,302	1/4	91,791	1/4	81,275	1/4	70,759	1/4	60,244	1/4	49,728
1/2		1/2		1/2	123,069	1/2	112,588	1/2	102,083	1/2	91,572	1/2	81,056	1/2	70,540	1/2	60,024	1/2	49,509
3/4		3/4		3/4	122,851	3/4	112,369	3/4	101,864	3/4	91,353	3/4	80,837	3/4	70,321	3/4	59,805	3/4	49,290
11	11	11	11	11	122,633	11	112,151	11	101,645	11	91,134	11	80,618	11	70,102	11	59,586	11	49,071
1/4		1/4		1/4	122,414	1/4	111,933	1/4	101,426	1/4	90,915	1/4	80,399	1/4	69,883	1/4	59,367	1/4	48,851
1/2		1/2		1/2	122,196	1/2	111,714	1/2	101,207	1/2	90,695	1/2	80,180	1/2	69,664	1/2	59,148	1/2	48,632
3/4		3/4		3/4	121,978	3/4	111,496	3/4	100,988	3/4	90,476	3/4	79,961	3/4	69,445	3/4	58,929	3/4	48,413

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 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1704"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	48,194	0	37,678	0	27,186	0	16,683	0	6,167	0		0		0		0		0	
1/4	47,975	1/4	37,459	1/4	26,968	1/4	16,464	1/4	5,948	1/4		1/4		1/4		1/4		1/4	
1/2	47,756	1/2	37,240	1/2	26,750	1/2	16,245	1/2	5,729	1/2		1/2		1/2		1/2		1/2	
3/4	47,537	3/4	37,021	3/4	26,532	3/4	16,026	3/4	5,510	3/4		3/4		3/4		3/4		3/4	
1	47,318	1	36,802	1	26,314	1	15,806	1	5,291	1		1		1		1		1	
1/4	47,099	1/4	36,583	1/4	26,096	1/4	15,587	1/4	5,072	1/4		1/4		1/4		1/4		1/4	
1/2	46,880	1/2	36,364	1/2	25,878	1/2	15,368	1/2	4,853	1/2		1/2		1/2		1/2		1/2	
3/4	46,661	3/4	36,145	3/4	25,660	3/4	15,149	3/4	4,634	3/4		3/4		3/4		3/4		3/4	
2	46,442	2	35,926	2	25,442	2	14,930	2	4,415	2		2		2		2		2	
1/4	46,222	1/4	35,707	1/4	25,223	1/4	14,711	1/4	4,196	1/4		1/4		1/4		1/4		1/4	
1/2	46,003	1/2	35,488	1/2	25,005	1/2	14,492	1/2	3,977	1/2		1/2		1/2		1/2		1/2	
3/4	45,784	3/4	35,269	3/4	24,787	3/4	14,273	3/4	3,758	3/4		3/4		3/4		3/4		3/4	
3	45,565	3	35,049	3	24,569	3	14,054	3	3,539	3		3		3		3		3	
1/4	45,346	1/4	34,830	1/4	24,350	1/4	13,835	1/4	3,320	1/4		1/4		1/4		1/4		1/4	
1/2	45,127	1/2	34,611	1/2	24,131	1/2	13,616	1/2	3,101	1/2		1/2		1/2		1/2		1/2	
3/4	44,908	3/4	34,392	3/4	23,912	3/4	13,397	3/4	2,882	3/4		3/4		3/4		3/4		3/4	
4	44,689	4	34,173	4	23,693	4	13,178	4	2,664	4		4		4		4		4	
1/4	44,470	1/4	33,954	1/4	23,474	1/4	12,959	1/4	2,446	1/4		1/4		1/4		1/4		1/4	
1/2	44,251	1/2	33,735	1/2	23,255	1/2	12,739	1/2	2,228	1/2		1/2		1/2		1/2		1/2	
3/4	44,032	3/4	33,516	3/4	23,036	3/4	12,520	3/4	2,010	3/4		3/4		3/4		3/4		3/4	
5	43,813	5	33,297	5	22,817	5	12,301	5	1,792	5		5		5		5		5	
1/4	43,594	1/4	33,078	1/4	22,598	1/4	12,082	1/4	1,600	1/4		1/4		1/4		1/4		1/4	
1/2	43,374	1/2	32,860	1/2	22,379	1/2	11,863	1/2	1,408	1/2		1/2		1/2		1/2		1/2	
3/4	43,155	3/4	32,641	3/4	22,159	3/4	11,644	3/4	1,217	3/4		3/4		3/4		3/4		3/4	
6	42,936	6	32,422	6	21,940	6	11,425	6	1,025	6		6		6		6		6	
1/4	42,717	1/4	32,204	1/4	21,721	1/4	11,206	1/4	888	1/4		1/4		1/4		1/4		1/4	
1/2	42,498	1/2	31,985	1/2	21,502	1/2	10,987	1/2	751	1/2		1/2		1/2		1/2		1/2	
3/4	42,279	3/4	31,766	3/4	21,283	3/4	10,768	3/4		3/4		3/4		3/4		3/4		3/4	
7	42,060	7	31,548	7	21,064	7	10,549	7		7		7		7		7		7	
1/4	41,841	1/4	31,330	1/4	20,845	1/4	10,330	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,622	1/2	31,111	1/2	20,626	1/2	10,111	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,403	3/4	30,893	3/4	20,407	3/4	9,892	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,184	8	30,675	8	20,188	8	9,673	8		8		8		8		8		8	
1/4	40,965	1/4	30,457	1/4	19,969	1/4	9,453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,746	1/2	30,239	1/2	19,750	1/2	9,234	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,526	3/4	30,021	3/4	19,531	3/4	9,015	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,307	9	29,803	9	19,312	9	8,796	9		9		9		9		9		9	
1/4	40,088	1/4	29,585	1/4	19,092	1/4	8,577	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,869	1/2	29,367	1/2	18,873	1/2	8,358	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,650	3/4	29,149	3/4	18,654	3/4	8,139	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,431	10	28,931	10	18,435	10	7,920	10		10		10		10		10		10	
1/4	39,212	1/4	28,713	1/4	18,216	1/4	7,701	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,993	1/2	28,495	1/2	17,997	1/2	7,482	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,774	3/4	28,276	3/4	17,778	3/4	7,263	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,555	11	28,058	11	17,559	11	7,044	11		11		11		11		11		11	
1/4	38,336	1/4	27,840	1/4	17,340	1/4	6,825	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,117	1/2	27,622	1/2	17,121	1/2	6,606	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37,898	3/4	27,404	3/4	16,902	3/4	6,386	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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		0	121,768	0	111,297	0	100,801	0	90,301	0	79,796	0	69,292	0	58,787
1/4		1/4		1/4		1/4	121,550	1/4	111,079	1/4	100,583	1/4	90,082	1/4	79,577	1/4	69,073	1/4	58,568
1/2		1/2		1/2		1/2	121,332	1/2	110,861	1/2	100,364	1/2	89,863	1/2	79,359	1/2	68,854	1/2	58,349
3/4		3/4		3/4		3/4	131,180	3/4	121,113	3/4	110,643	3/4	100,145	3/4	89,644	3/4	79,140	3/4	68,335
1		1		1		1	131,037	1	120,895	1	110,425	1	99,927	1	89,425	1	78,921	1	68,416
1/4		1/4		1/4		1/4	130,894	1/4	120,677	1/4	110,207	1/4	99,708	1/4	89,207	1/4	78,702	1/4	68,197
1/2		1/2		1/2		1/2	130,750	1/2	120,459	1/2	109,989	1/2	99,489	1/2	88,988	1/2	78,483	1/2	67,979
3/4		3/4		3/4		3/4	130,570	3/4	120,241	3/4	109,770	3/4	99,270	3/4	88,769	3/4	78,264	3/4	67,760
2		2		2		2	130,390	2	120,023	2	109,551	2	99,052	2	88,550	2	78,045	2	67,541
1/4		1/4		1/4		1/4	130,210	1/4	119,805	1/4	109,332	1/4	98,833	1/4	88,331	1/4	77,827	1/4	67,322
1/2		1/2		1/2		1/2	130,030	1/2	119,587	1/2	109,114	1/2	98,614	1/2	88,112	1/2	77,608	1/2	67,103
3/4		3/4		3/4		3/4	129,819	3/4	119,368	3/4	108,895	3/4	98,395	3/4	87,894	3/4	77,389	3/4	66,884
3		3		3		3	129,607	3	119,150	3	108,676	3	98,177	3	87,675	3	77,170	3	66,665
1/4		1/4		1/4		1/4	129,396	1/4	118,932	1/4	108,457	1/4	97,958	1/4	87,456	1/4	76,951	1/4	66,447
1/2		1/2		1/2		1/2	129,184	1/2	118,714	1/2	108,239	1/2	97,739	1/2	87,237	1/2	76,732	1/2	66,228
3/4		3/4		3/4		3/4	128,966	3/4	118,496	3/4	108,020	3/4	97,520	3/4	87,018	3/4	76,514	3/4	66,009
4		4		4		4	128,748	4	118,278	4	107,801	4	97,302	4	86,799	4	76,295	4	65,790
1/4		1/4		1/4		1/4	128,530	1/4	118,060	1/4	107,583	1/4	97,083	1/4	86,580	1/4	76,076	1/4	65,571
1/2		1/2		1/2		1/2	128,312	1/2	117,841	1/2	107,364	1/2	96,864	1/2	86,362	1/2	75,857	1/2	65,352
3/4		3/4		3/4		3/4	128,094	3/4	117,623	3/4	107,145	3/4	96,645	3/4	86,143	3/4	75,638	3/4	65,134
5		5		5		5	127,876	5	117,405	5	106,926	5	96,427	5	85,924	5	75,419	5	64,915
1/4		1/4		1/4		1/4	127,657	1/4	117,187	1/4	106,708	1/4	96,208	1/4	85,705	1/4	75,200	1/4	64,696
1/2		1/2		1/2		1/2	127,439	1/2	116,969	1/2	106,489	1/2	95,989	1/2	85,486	1/2	74,982	1/2	64,477
3/4		3/4		3/4		3/4	127,221	3/4	116,751	3/4	106,270	3/4	95,770	3/4	85,267	3/4	74,763	3/4	64,258
6		6		6		6	127,003	6	116,533	6	106,051	6	95,552	6	85,049	6	74,544	6	64,039
1/4		1/4		1/4		1/4	126,785	1/4	116,315	1/4	105,833	1/4	95,333	1/4	84,830	1/4	74,325	1/4	63,821
1/2		1/2		1/2		1/2	126,567	1/2	116,096	1/2	105,614	1/2	95,114	1/2	84,611	1/2	74,106	1/2	63,602
3/4		3/4		3/4		3/4	126,349	3/4	115,878	3/4	105,395	3/4	94,895	3/4	84,392	3/4	73,887	3/4	63,383
7		7		7		7	126,131	7	115,660	7	105,176	7	94,677	7	84,173	7	73,669	7	63,164
1/4		1/4		1/4		1/4	125,912	1/4	115,442	1/4	104,958	1/4	94,458	1/4	83,954	1/4	73,450	1/4	62,945
1/2		1/2		1/2		1/2	125,694	1/2	115,224	1/2	104,739	1/2	94,239	1/2	83,735	1/2	73,231	1/2	62,726
3/4		3/4		3/4		3/4	125,476	3/4	115,006	3/4	104,520	3/4	94,020	3/4	83,517	3/4	73,012	3/4	62,507
8		8		8		8	125,258	8	114,788	8	104,301	8	93,802	8	83,298	8	72,793	8	62,289
1/4		1/4		1/4		1/4	125,040	1/4	114,569	1/4	104,083	1/4	93,583	1/4	83,079	1/4	72,574	1/4	62,070
1/2		1/2		1/2		1/2	124,822	1/2	114,351	1/2	103,864	1/2	93,364	1/2	82,860	1/2	72,355	1/2	61,851
3/4		3/4		3/4		3/4	124,604	3/4	114,133	3/4	103,645	3/4	93,146	3/4	82,641	3/4	72,137	3/4	61,632
9		9		9		9	124,385	9	113,915	9	103,426	9	92,927	9	82,422	9	71,918	9	61,413
1/4		1/4		1/4		1/4	124,167	1/4	113,697	1/4	103,208	1/4	92,708	1/4	82,204	1/4	71,699	1/4	61,194
1/2		1/2		1/2		1/2	123,949	1/2	113,479	1/2	102,989	1/2	92,489	1/2	81,985	1/2	71,480	1/2	60,976
3/4		3/4		3/4		3/4	123,731	3/4	113,261	3/4	102,770	3/4	92,270	3/4	81,766	3/4	71,261	3/4	60,757
10		10		10		10	123,513	10	113,043	10	102,551	10	92,052	10	81,547	10	71,042	10	60,538
1/4		1/4		1/4		1/4	123,295	1/4	112,824	1/4	102,333	1/4	91,833	1/4	81,328	1/4	70,824	1/4	60,319
1/2		1/2		1/2		1/2	123,077	1/2	112,606	1/2	102,114	1/2	91,614	1/2	81,109	1/2	70,605	1/2	60,100
3/4		3/4		3/4		3/4	122,859	3/4	112,388	3/4	101,895	3/4	91,395	3/4	80,890	3/4	70,386	3/4	59,881
11		11		11		11	122,640	11	112,170	11	101,676	11	91,176	11	80,672	11	70,167	11	59,662
1/4		1/4		1/4		1/4	122,422	1/4	111,952	1/4	101,458	1/4	90,957	1/4	80,453	1/4	69,948	1/4	59,444
1/2		1/2		1/2		1/2	122,204	1/2	111,734	1/2	101,239	1/2	90,739	1/2	80,234	1/2	69,729	1/2	59,225
3/4		3/4		3/4		3/4	121,986	3/4	111,516	3/4	101,020	3/4	90,520	3/4	80,015	3/4	69,510	3/4	59,006

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 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1704"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	48,282	0	37,778	0	27,489	0	17,103	0	6,599	0		0		0		0		0	
1/4	48,064	1/4	37,559	1/4	27,278	1/4	16,884	1/4	6,380	1/4		1/4		1/4		1/4		1/4	
1/2	47,845	1/2	37,340	1/2	27,068	1/2	16,665	1/2	6,161	1/2		1/2		1/2		1/2		1/2	
3/4	47,626	3/4	37,121	3/4	26,857	3/4	16,446	3/4	5,942	3/4		3/4		3/4		3/4		3/4	
1	47,407	1	36,902	1	26,647	1	16,227	1	5,723	1		1		1		1		1	
1/4	47,188	1/4	36,684	1/4	26,437	1/4	16,009	1/4	5,504	1/4		1/4		1/4		1/4		1/4	
1/2	46,969	1/2	36,465	1/2	26,226	1/2	15,790	1/2	5,286	1/2		1/2		1/2		1/2		1/2	
3/4	46,751	3/4	36,246	3/4	26,016	3/4	15,571	3/4	5,067	3/4		3/4		3/4		3/4		3/4	
2	46,532	2	36,027	2	25,805	2	15,352	2	4,848	2		2		2		2		2	
1/4	46,313	1/4	35,808	1/4	25,595	1/4	15,133	1/4	4,629	1/4		1/4		1/4		1/4		1/4	
1/2	46,094	1/2	35,589	1/2	25,385	1/2	14,914	1/2	4,410	1/2		1/2		1/2		1/2		1/2	
3/4	45,875	3/4	35,371	3/4	25,174	3/4	14,695	3/4	4,191	3/4		3/4		3/4		3/4		3/4	
3	45,656	3	35,152	3	24,964	3	14,477	3	3,973	3		3		3		3		3	
1/4	45,437	1/4	34,933	1/4	24,754	1/4	14,258	1/4	3,754	1/4		1/4		1/4		1/4		1/4	
1/2	45,219	1/2	34,714	1/2	24,543	1/2	14,039	1/2	3,535	1/2		1/2		1/2		1/2		1/2	
3/4	45,000	3/4	34,495	3/4	24,324	3/4	13,820	3/4	3,316	3/4		3/4		3/4		3/4		3/4	
4	44,781	4	34,276	4	24,105	4	13,601	4	3,098	4		4		4		4		4	
1/4	44,562	1/4	34,057	1/4	23,887	1/4	13,382	1/4	2,879	1/4		1/4		1/4		1/4		1/4	
1/2	44,343	1/2	33,839	1/2	23,668	1/2	13,164	1/2	2,661	1/2		1/2		1/2		1/2		1/2	
3/4	44,124	3/4	33,620	3/4	23,449	3/4	12,945	3/4	2,443	3/4		3/4		3/4		3/4		3/4	
5	43,906	5	33,401	5	23,230	5	12,726	5	2,225	5		5		5		5		5	
1/4	43,687	1/4	33,182	1/4	23,011	1/4	12,507	1/4	2,008	1/4		1/4		1/4		1/4		1/4	
1/2	43,468	1/2	32,963	1/2	22,792	1/2	12,288	1/2	1,790	1/2		1/2		1/2		1/2		1/2	
3/4	43,249	3/4	32,752	3/4	22,574	3/4	12,069	3/4	1,598	3/4		3/4		3/4		3/4		3/4	
6	43,030	6	32,541	6	22,355	6	11,851	6	1,407	6		6		6		6		6	
1/4	42,811	1/4	32,330	1/4	22,136	1/4	11,632	1/4	1,215	1/4		1/4		1/4		1/4		1/4	
1/2	42,592	1/2	32,119	1/2	21,917	1/2	11,413	1/2	1,024	1/2		1/2		1/2		1/2		1/2	
3/4	42,374	3/4	31,908	3/4	21,698	3/4	11,194	3/4	887	3/4		3/4		3/4		3/4		3/4	
7	42,155	7	31,697	7	21,479	7	10,975	7	750	7		7		7		7		7	
1/4	41,936	1/4	31,486	1/4	21,261	1/4	10,756	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,717	1/2	31,275	1/2	21,042	1/2	10,538	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,498	3/4	31,065	3/4	20,823	3/4	10,319	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,279	8	30,855	8	20,604	8	10,100	8		8		8		8		8		8	
1/4	41,061	1/4	30,644	1/4	20,385	1/4	9,881	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,842	1/2	30,434	1/2	20,166	1/2	9,662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,623	3/4	30,224	3/4	19,948	3/4	9,443	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,404	9	30,013	9	19,729	9	9,225	9		9		9		9		9		9	
1/4	40,185	1/4	29,803	1/4	19,510	1/4	9,006	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,966	1/2	29,592	1/2	19,291	1/2	8,787	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,747	3/4	29,382	3/4	19,072	3/4	8,568	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,529	10	29,172	10	18,853	10	8,349	10		10		10		10		10		10	
1/4	39,310	1/4	28,961	1/4	18,635	1/4	8,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,091	1/2	28,751	1/2	18,416	1/2	7,912	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,872	3/4	28,540	3/4	18,197	3/4	7,693	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,653	11	28,330	11	17,978	11	7,474	11		11		11		11		11		11	
1/4	38,434	1/4	28,120	1/4	17,759	1/4	7,255	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,216	1/2	27,909	1/2	17,540	1/2	7,036	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37,997	3/4	27,699	3/4	17,322	3/4	6,817	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "CBC 1704"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-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		0	222,033	0	203,430	0	184,813	0	166,184	0	147,548	0	128,911	0	110,273
1/4		1/4		1/4		1/4	221,645	1/4	203,043	1/4	184,424	1/4	165,796	1/4	147,160	1/4	128,523	1/4	109,885
1/2		1/2		1/2		1/2	221,258	1/2	202,655	1/2	184,036	1/2	165,408	1/2	146,772	1/2	128,135	1/2	109,497
3/4		3/4		3/4		3/4	220,870	3/4	202,268	3/4	183,648	3/4	165,020	3/4	146,383	3/4	127,746	3/4	109,108
1		1		1	235,168	1	220,483	1	201,880	1	183,260	1	164,632	1	145,995	1	127,358	1	108,720
1/4		1/4		1/4	235,104	1/4	220,095	1/4	201,492	1/4	182,872	1/4	164,244	1/4	145,607	1/4	126,970	1/4	108,332
1/2		1/2		1/2	235,040	1/2	219,708	1/2	201,105	1/2	182,484	1/2	163,855	1/2	145,218	1/2	126,581	1/2	107,944
3/4		3/4		3/4	234,976	3/4	219,320	3/4	200,717	3/4	182,096	3/4	163,467	3/4	144,830	3/4	126,193	3/4	107,555
2		2		2	234,912	2	218,932	2	200,330	2	181,708	2	163,079	2	144,442	2	125,805	2	107,167
1/4		1/4		1/4	234,783	1/4	218,545	1/4	199,942	1/4	181,320	1/4	162,691	1/4	144,054	1/4	125,417	1/4	106,779
1/2		1/2		1/2	234,654	1/2	218,157	1/2	199,555	1/2	180,932	1/2	162,302	1/2	143,665	1/2	125,028	1/2	106,390
3/4		3/4		3/4	234,526	3/4	217,770	3/4	199,167	3/4	180,544	3/4	161,914	3/4	143,277	3/4	124,640	3/4	106,002
3		3		3	234,397	3	217,382	3	198,779	3	180,155	3	161,526	3	142,889	3	124,252	3	105,614
1/4		1/4		1/4	234,203	1/4	216,995	1/4	198,392	1/4	179,767	1/4	161,138	1/4	142,501	1/4	123,863	1/4	105,226
1/2		1/2		1/2	234,010	1/2	216,607	1/2	198,004	1/2	179,379	1/2	160,749	1/2	142,112	1/2	123,475	1/2	104,837
3/4		3/4		3/4	233,817	3/4	216,220	3/4	197,617	3/4	178,991	3/4	160,361	3/4	141,724	3/4	123,087	3/4	104,449
4		4		4	233,623	4	215,832	4	197,229	4	178,603	4	159,973	4	141,336	4	122,699	4	104,061
1/4		1/4		1/4	233,365	1/4	215,444	1/4	196,842	1/4	178,215	1/4	159,584	1/4	140,947	1/4	122,310	1/4	103,672
1/2		1/2		1/2	233,107	1/2	215,057	1/2	196,454	1/2	177,827	1/2	159,196	1/2	140,559	1/2	121,922	1/2	103,284
3/4		3/4		3/4	232,849	3/4	214,669	3/4	196,067	3/4	177,439	3/4	158,808	3/4	140,171	3/4	121,534	3/4	102,896
5		5		5	232,591	5	214,282	5	195,679	5	177,051	5	158,420	5	139,783	5	121,145	5	102,507
1/4		1/4		1/4	232,268	1/4	213,894	1/4	195,291	1/4	176,663	1/4	158,031	1/4	139,394	1/4	120,757	1/4	102,119
1/2		1/2		1/2	231,945	1/2	213,507	1/2	194,903	1/2	176,275	1/2	157,643	1/2	139,006	1/2	120,369	1/2	101,731
3/4		3/4		3/4	231,622	3/4	213,119	3/4	194,515	3/4	175,887	3/4	157,255	3/4	138,618	3/4	119,981	3/4	101,343
6		6		6	231,299	6	212,732	6	194,127	6	175,498	6	156,867	6	138,230	6	119,592	6	100,954
1/4		1/4		1/4	230,920	1/4	212,344	1/4	193,739	1/4	175,110	1/4	156,478	1/4	137,841	1/4	119,204	1/4	100,566
1/2		1/2		1/2	230,541	1/2	211,956	1/2	193,351	1/2	174,722	1/2	156,090	1/2	137,453	1/2	118,816	1/2	100,178
3/4		3/4		3/4	230,162	3/4	211,569	3/4	192,962	3/4	174,334	3/4	155,702	3/4	137,065	3/4	118,427	3/4	99,789
7		7		7	229,783	7	211,181	7	192,574	7	173,946	7	155,313	7	136,677	7	118,039	7	99,401
1/4		1/4		1/4	229,396	1/4	210,794	1/4	192,186	1/4	173,558	1/4	154,925	1/4	136,288	1/4	117,651	1/4	99,013
1/2		1/2		1/2	229,009	1/2	210,406	1/2	191,798	1/2	173,170	1/2	154,537	1/2	135,900	1/2	117,263	1/2	98,625
3/4		3/4		3/4	228,621	3/4	210,019	3/4	191,410	3/4	172,782	3/4	154,149	3/4	135,512	3/4	116,874	3/4	98,236
8		8		8	228,234	8	209,631	8	191,022	8	172,394	8	153,760	8	135,123	8	116,486	8	97,848
1/4		1/4		1/4	227,846	1/4	209,244	1/4	190,634	1/4	172,006	1/4	153,372	1/4	134,735	1/4	116,098	1/4	97,460
1/2		1/2		1/2	227,459	1/2	208,856	1/2	190,246	1/2	171,618	1/2	152,984	1/2	134,347	1/2	115,709	1/2	97,071
3/4		3/4		3/4	227,071	3/4	208,468	3/4	189,858	3/4	171,229	3/4	152,596	3/4	133,959	3/4	115,321	3/4	96,683
9		9		9	226,684	9	208,081	9	189,470	9	170,841	9	152,207	9	133,570	9	114,933	9	96,295
1/4		1/4		1/4	226,296	1/4	207,693	1/4	189,082	1/4	170,453	1/4	151,819	1/4	133,182	1/4	114,544	1/4	95,907
1/2		1/2		1/2	225,908	1/2	207,306	1/2	188,693	1/2	170,065	1/2	151,431	1/2	132,794	1/2	114,156	1/2	95,518
3/4		3/4		3/4	225,521	3/4	206,918	3/4	188,305	3/4	169,677	3/4	151,043	3/4	132,406	3/4	113,768	3/4	95,130
10		10		10	225,133	10	206,531	10	187,917	10	169,289	10	150,654	10	132,017	10	113,380	10	94,742
1/4		1/4		1/4	224,746	1/4	206,143	1/4	187,529	1/4	168,901	1/4	150,266	1/4	131,629	1/4	112,991	1/4	94,353
1/2		1/2		1/2	224,358	1/2	205,756	1/2	187,141	1/2	168,513	1/2	149,878	1/2	131,241	1/2	112,603	1/2	93,965
3/4		3/4		3/4	223,971	3/4	205,368	3/4	186,753	3/4	168,125	3/4	149,489	3/4	130,852	3/4	112,215	3/4	93,577
11		11		11	223,583	11	204,980	11	186,365	11	167,737	11	149,101	11	130,464	11	111,826	11	93,189
1/4		1/4		1/4	223,196	1/4	204,593	1/4	185,977	1/4	167,349	1/4	148,713	1/4	130,076	1/4	111,438	1/4	92,800
1/2		1/2		1/2	222,808	1/2	204,205	1/2	185,589	1/2	166,960	1/2	148,325	1/2	129,688	1/2	111,050	1/2	92,412
3/4		3/4		3/4	222,420	3/4	203,818	3/4	185,201	3/4	166,572	3/4	147,936	3/4	129,299	3/4	110,662	3/4	92,024

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 1'-00" OFF CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1704"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	91,635	0	72,997	0	54,366	0	35,751	0	17,113	0	233	0		0		0		0	
1/4	91,247	1/4	72,609	1/4	53,978	1/4	35,362	1/4	16,725	1/4	185	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,859	1/2	72,221	1/2	53,591	1/2	34,974	1/2	16,337	1/2	136	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,470	3/4	71,833	3/4	53,203	3/4	34,586	3/4	15,948	3/4	88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	90,082	1	71,444	1	52,816	1	34,198	1	15,560	1	39	1	1	1	1	1	1	1	1
1/4	89,694	1/4	71,056	1/4	52,428	1/4	33,809	1/4	15,172	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,306	1/2	70,668	1/2	52,041	1/2	33,421	1/2	14,784	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,917	3/4	70,279	3/4	51,653	3/4	33,033	3/4	14,395	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,529	2	69,891	2	51,266	2	32,644	2	14,007	2	2	2	2	2	2	2	2	2	2
1/4	88,141	1/4	69,503	1/4	50,879	1/4	32,256	1/4	13,619	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,752	1/2	69,115	1/2	50,491	1/2	31,868	1/2	13,230	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,364	3/4	68,726	3/4	50,104	3/4	31,480	3/4	12,842	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	86,976	3	68,338	3	49,716	3	31,091	3	12,454	3	3	3	3	3	3	3	3	3	3
1/4	86,588	1/4	67,950	1/4	49,329	1/4	30,703	1/4	12,066	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,199	1/2	67,561	1/2	48,941	1/2	30,315	1/2	11,677	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,811	3/4	67,173	3/4	48,554	3/4	29,927	3/4	11,289	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,423	4	66,785	4	48,166	4	29,538	4	10,901	4	4	4	4	4	4	4	4	4	4
1/4	85,034	1/4	66,397	1/4	47,779	1/4	29,150	1/4	10,512	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,646	1/2	66,008	1/2	47,391	1/2	28,762	1/2	10,124	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,258	3/4	65,620	3/4	47,004	3/4	28,373	3/4	9,736	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,870	5	65,232	5	46,616	5	27,985	5	9,348	5	5	5	5	5	5	5	5	5	5
1/4	83,481	1/4	64,843	1/4	46,229	1/4	27,597	1/4	8,959	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,093	1/2	64,455	1/2	45,841	1/2	27,209	1/2	8,571	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,705	3/4	64,067	3/4	45,454	3/4	26,820	3/4	8,183	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	82,316	6	63,678	6	45,066	6	26,432	6	7,794	6	6	6	6	6	6	6	6	6	6
1/4	81,928	1/4	63,290	1/4	44,679	1/4	26,044	1/4	7,406	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,540	1/2	62,902	1/2	44,291	1/2	25,655	1/2	7,018	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,152	3/4	62,514	3/4	43,904	3/4	25,267	3/4	6,630	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,763	7	62,125	7	43,516	7	24,879	7	6,242	7	7	7	7	7	7	7	7	7	7
1/4	80,375	1/4	61,737	1/4	43,128	1/4	24,491	1/4	5,854	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,987	1/2	61,349	1/2	42,740	1/2	24,102	1/2	5,466	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,598	3/4	60,960	3/4	42,351	3/4	23,714	3/4	5,078	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,210	8	60,572	8	41,963	8	23,326	8	4,691	8	8	8	8	8	8	8	8	8	8
1/4	78,822	1/4	60,184	1/4	41,575	1/4	22,937	1/4	4,304	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,434	1/2	59,796	1/2	41,187	1/2	22,549	1/2	3,918	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,045	3/4	59,407	3/4	40,798	3/4	22,161	3/4	3,532	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,657	9	59,019	9	40,410	9	21,773	9	3,145	9	9	9	9	9	9	9	9	9	9
1/4	77,269	1/4	58,631	1/4	40,022	1/4	21,384	1/4	2,805	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,880	1/2	58,243	1/2	39,634	1/2	20,996	1/2	2,466	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,492	3/4	57,855	3/4	39,245	3/4	20,608	3/4	2,126	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,104	10	57,467	10	38,857	10	20,219	10	1,786	10	10	10	10	10	10	10	10	10	10
1/4	75,715	1/4	57,080	1/4	38,469	1/4	19,831	1/4	1,544	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,327	1/2	56,692	1/2	38,080	1/2	19,443	1/2	1,301	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,939	3/4	56,304	3/4	37,692	3/4	19,055	3/4	1,058	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,551	11	55,916	11	37,304	11	18,666	11	816	11	11	11	11	11	11	11	11	11	11
1/4	74,162	1/4	55,528	1/4	36,916	1/4	18,278	1/4	670	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,774	1/2	55,141	1/2	36,527	1/2	17,890	1/2	525	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,386	3/4	54,753	3/4	36,139	3/4	17,502	3/4	379	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: 09/10/2019 SW
CALCULATED: 09/11/2019 CL
PRINTED: 09/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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