

Plumbing Fixtures

Summary

1998

Issued May 1999

MQ332E(98)-5

(Formerly Series No. MQ34E)

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

Summary of Findings

Manufacturers' shipments of plumbing fixtures during 1998 were valued at \$3,435

million. This represents a 3-percent increase from the 1997 level of \$3,323 million. Data for water closet bowls are collected reflecting handicapped accessible, and low consumption bowls. The categories have served to better define the industry. Shipments of low consumption water closet bowls (1.6 or less g.p.f.) increased from 8.1 million in 1997 to 8.2 million in 1998.

Bathtub shipments increased 3.0 percent from 4.5 million in 1997 to 4.6 million in 1998. Whirlpool bath shipments increased 9.1 percent from 489 thousand units in 1997 to 538 thousand units in 1998. Shipments of kitchen sinks increased 8.3 percent from 5.3 million in 1997 to 5.8 million in 1998.

NOTE:

Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

Current
Industrial
Reports

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call J. Stanis Batton, 301-457-4750.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. Census Bureau



Table 1. Shipments of Selected Types of Plumbing Fixtures: 1998 to 1994
[Quantity in thousands of units]

Product description	1998	1997	1996	1995	1994
Lavatories 1/.....	7,869	7,460	7,458	7,129	6,982
Vitreous china and other nonmetals	5,691	5,786	5,686	5,494	5,402
Cast-iron (enameled) 1/.....	(D)	(D)	(D)	(D)	(D)
Steel.....	1,901	1,674	1,838	1,635	1,579
Water closet bowls.....	8,217	r/ 8,107	8,623	8,829	9,685
Flushtanks.....	7,169	7,110	7,163	6,652	7,559
Kitchen sinks 2/.....	5,814	5,329	5,131	4,961	5,034
Cast iron (enameled) 2/.....	(D)	(D)	(D)	(D)	(D)
Steel.....	4,658	4,276	4,166	4,086	4,056
All other materials 2/.....	(D)	(D)	(D)	(D)	(D)
Bathtubs 3/.....	4,635	4,495	4,442	3,904	3,826
Cast iron (enameled) 3/	(D)	(D)	(D)	(D)	(D)
Steel (enameled).	874	894	977	880	928
Plastics and all other materials 3/.....	(D)	(D)	(D)	(D)	(D)
Fiberglass, and cultured marble	2,726	2,723	2,540	2,203	2,125
Whirlpool baths.....	538	489	483	442	426

D Withheld to avoid disclosing data for individual companies.

r/Revised by 5 percent or more from previously published data.

1/The data for "Lavatories, cast iron (enameled)," are included with "Lavatories" to avoid disclosing data for individual companies.

2/The data for "Kitchen sinks, cast iron (enameled)," and "Kitchen sinks, all other materials," are included in "Kitchen sinks" to avoid disclosing data for individual companies.

3/The data for "Bathtubs, cast iron (enameled)," and "Bathtubs, plastics and all other materials" are included in "Bathtubs" to avoid disclosing data for individual companies.

Table 2. Value of Shipments of Plumbing Fixtures by Material: 1998 to 1994
[Value in thousands of dollars]

Product description	1998		1997		1996	1995	1994 1/
Total.....	3,435,424	r/	3,322,739	r/	3,144,297	2,953,621	2,912,992
Metal.....	700,833		672,814		643,775	578,319	585,625
Cast iron (enameled).....	274,134		261,333		270,529	239,962	247,277
Steel and other metal.....	426,699		411,481		373,246	338,357	338,348
Vitreous china.....	883,689		875,908		859,693	891,869	941,060
Fiberglass.....	1,287,939		1,267,084		1,144,722	996,465	928,463
Gel coat.....	598,316		569,864		507,479	458,510	428,964
Acrylic.....	689,623	r/	697,220	r/	637,243	537,955	499,499
Plastics.....	420,698		371,716		362,469	337,156	302,584
Cultured marble.....	208,020		179,039		167,363	168,326	137,617
Other.....	212,678		192,677		195,106	168,830	164,967
All other materials, nonmetal 2/.....	142,265	r/	135,217	r/	133,638	149,812	155,260

r/Revised by 5 percent or more from previously published data.

1/1994 data are revised.

2/Includes plumbing fixtures, n.s.k. (not specified by kind).

Table 3. Quantity of Shipments of Plumbing Fixtures: 1998 to 1994
[Quantity in thousands of units]

Quarter and year	Lavatories	Water closet bowls	Flush tanks	Kitchen sinks	Bathtubs	Whirlpool baths
1998						
Total.....	7,870	8,217	7,169	5,814	4,635	538
First quarter.....	1,866	2,070	1,832	1,483	1,160	137
Second quarter.....	1,812	2,065	1,815	1,487	1,164	132
Third quarter.....	2,106	2,088	1,806	1,385	1,168	137
Fourth quarter.....	2,085	1,994	1,716	1,459	1,144	132
1997						
Total.....	7,460	r/	8,107	7,110	5,329	489
First quarter.....	1,926	r/	2,051	1,781	1,307	114
Second quarter.....	1,934	r/	2,056	1,804	1,350	125
Third quarter.....	1,807	r/	2,018	1,786	1,297	137
Fourth quarter.....	1,793	r/	1,983	1,739	1,375	112
1996						
Total.....	7,458		8,623	7,163	5,131	482
First quarter.....	1,775		2,093	1,695	1,239	105
Second quarter.....	1,899		2,241	1,853	1,324	132
Third quarter.....	1,928		2,166	1,811	1,275	138
Fourth quarter.....	1,856		2,123	1,804	1,293	107
1995						
Total.....	7,129		8,829	6,652	4,961	442
First quarter.....	1,899		2,442	1,843	1,356	954
Second quarter.....	1,786		2,265	1,678	1,245	965
Third quarter.....	1,784		2,124	1,639	1,239	990
Fourth quarter.....	1,660		1,998	1,492	1,122	995
1994						
Total.....	6,982		9,685	7,559	5,034	3,826
First quarter.....	1,710		2,275	1,801	1,258	893
Second quarter.....	1,739		2,504	1,915	1,327	964
Third quarter.....	1,825		2,470	1,934	1,233	1,003
Fourth quarter.....	1,708		2,436	1,909	1,216	966

r/Revised by 5 percent or more from previously published data.

Note: Data may not add because of independent rounding.

Table 4. Total Production and Shipments of Plumbing Fixtures: 1998 and 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments	
				Quantity	Value
1998					
	Plumbing fixtures.....	(NA)	(X)	(X)	3,435,424
	Drinking fountains 1/.....	(NA)	57,726	58,017	15,693
34310 15	Metal 1/.....	6	(D)	(D)	(D)
32610 12	Vitreous china 1/.....	3	(D)	(D)	(D)
19001 02	All other materials 1/.....	2	(D)	(D)	(D)
	Lavatories 2/.....	(NA)	8,011,007	7,869,670	404,552
34310 17	Cast iron (enameled) 2/.....	4	(D)	(D)	(D)
34310 18	Steel (enameled).....	6	1,867,977	1,793,849	23,813
34310 19	Steel (stainless).....	7	32,989	35,130	7,163
32610 17	Vitreous china.....	11	3,262,597	3,258,939	162,937
30880 04	Cultured marble.....	79	2,107,141	2,005,627	155,231
30880 31	Other plastics.....	8	393,778	426,195	36,328
19001 03	All other materials 2/.....	3	(D)	(D)	(D)
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	8,047,267	8,217,029	465,300
	Vitreous china:				
	17 inches from floor to rim of bowl:				
	Close coupled for use with flush tank:				
32610 18,22	Gravity and pressurized.....	7	2,258,559	2,373,853	107,878
	One-piece:				
32610 25,26	Gravity and pressurized 3/.....	1	(D)	(D)	(D)
	Flushometer valve:				
32610 28	Floor mounted 3/.....	5	(D)	(D)	(D)
	Less than 17 inches from floor to rim of bowl:				
	Close coupled for use with flush tank:				
32610 32,34	Gravity and pressurized.....	7	4,262,982	4,310,210	178,421
	One-piece:				
32610 38,42	Gravity and pressurized 3/.....	7	377,336	387,050	(D)
	Flushometer valve:				
32610 44	Wall mounted.....	6	326,506	302,490	19,770
32610 46	Floor mounted.....	5	191,521	193,687	13,911
	Blowout 3.5 gpf:				
32610 48	Vitreous china 3/.....	5	(D)	171,220	(D)
	Any bowl style:				
19001 17	All materials other than vitreous china 3/.....	6	(D)	(D)	(D)
32610 31	Flush tanks (vitreous china).....	10	7,585,013	7,169,428	252,754
	Urinals.....	(NA)	308,694	299,780	33,229
34310 38	Metal.....	7	(D)	4,088	1,782
32610 36	Vitreous china.....	9	(D)	295,692	31,447
	Kitchen sinks, not including bar sinks 4/.....	(NA)	5,565,786	5,813,639	384,390

Continued

Table 4. Total Production and Shipments of Plumbing Fixtures: 1998 and 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments	
				Quantity	Value
34310 41	Cast iron (enameled) 4/.....	4	(D)	(D)	(D)
34310 42	Steel (enameled).....	7	342,832	454,209	14,609
34310 47	Steel (stainless).....	7	4,079,187	4,204,007	203,741
19001 07	All other materials 4/.....	12	(D)	(D)	(D)
19001 08	Bar sinks (all materials) 5/.....	23	(D)	(D)	(D)
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	856,817	848,657	59,475
34310 54	Metal.....	9	87,610	77,449	27,907
30880 33	Plastics.....	5	745,107	744,591	14,459
32610 54	Vitreous china 5/.....	4	(D)	(D)	(D)
32722 84	Concrete and all other materials 5/.....	3	(D)	(D)	(D)
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	4,687,571	4,635,348	687,145
34310 61	Cast-iron (enameled) 6/.....	2	(D)	(D)	(D)
34310 62	Steel (enameled).....	5	917,082	874,289	58,468
30880 12	Fiberglass (FRP) gel coat.....	31	2,508,022	2,497,489	416,725
30880 13	Fiberglass (FRP) acrylic.....	30	217,455	203,780	57,996
30880 14	Cultured marble.....	54	24,024	24,622	12,759
30880 15	Other plastics (PVC, ABS).....	13	598,428	612,439	43,483
19001 09	All other materials /6.....	2	(D)	(D)	(D)
	Shower receptors, sold separately.....	(NA)	376,661	397,018	24,056
30886 55	Plastics.....	26	344,546	364,312	17,996
19001 10	All other materials.....	37	32,115	32,706	6,060
	Shower stalls, including receptor 7/.....	(NA)	1,036,091	1,018,132	222,379
34310 74	Metal 7/.....	3	(D)	(D)	(D)
30880 21	Fiberglass (FRP) gel coat	28	705,721	688,432	146,957
30880 22	Fiberglass (FRP) acrylic.....	15	96,963	102,722	40,033
30880 23	Other plastics 7/.....	14	(D)	(D)	5,872
19001 11	All other materials 7/.....	19	(D)	(D)	(D)
	Wall surrounds, sold as separate units.....	(NA)	1,171,764	1,175,805	76,300
30880 70	Showers (all materials).....	51	294,261	302,469	25,772
30880 71	Bathtubs (all materials).....	46	877,503	873,336	50,528
19222 08	Bidets (all materials).....	9	42,448	44,192	6,111
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)	540,063	537,803	359,882
34310 86	Cast iron (enameled) 8/.....	2	(D)	(D)	(D)
30880 26	Fiberglass (FRP) gel coat.....	23	33,340	30,292	20,213
30880 27	Fiberglass (FRP) acrylic.....	35	456,338	455,313	304,879
30880 28	Cultured marble.....	53	12,650	13,894	12,713
30886 29	Other plastics.....	8	31,292	31,676	11,415
19001 12	All other materials 8/.....	2	(D)	(D)	(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	30	153,236	125,693	361,108

Continued

Table 4. Total Production and Shipments of Plumbing Fixtures: 1998 and 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments	
				Quantity	Value
	All other fixtures not described above.....	(NA)	(X)	(X)	60,489
30882 20	Plastic.....	5	(X)	(X)	218
19002 20	All other materials.....	13	(X)	(X)	60,271
1997					
	Plumbing fixtures.....	(NA)	(X)	(X)	3,322,739
	Drinking fountains 1/.....	(NA)	50,083	50,239	14,472
34310 15	Metal 1/.....	5	(D)	(D)	(D)
32610 12	Vitreous china 1/.....	3	(D)	(D)	(D)
19001 02	All other materials 1/.....	2	(D)	(D)	(D)
	Lavatories 2/.....	(NA)	7,516,050	7,459,563	375,357
34310 17	Cast iron (enameled) 2/.....	4	(D)	(D)	(D)
34310 18	Steel (enameled).....	6	1,677,309	1,644,886	26,426
34310 19	Steel (stainless).....	7	29,249	28,602	6,001
32610 17	Vitreous china.....	11	3,235,209	3,249,276	157,374
30880 04	Cultured marble.....	80	1,918,928	1,894,695	132,065
30880 31	Other plastics.....	8	655,462	642,104	53,491
19001 03	All other materials 2/.....	3	(D)	(D)	(D)
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	8,051,614	8,106,944	459,258
	Vitreous china:				
	17 inches from floor to rim of bowl:				
	Close coupled for use with flush tank:				
32610 18,22	Gravity and pressurized.....	10	2,316,271	2,307,710	107,229
	One-piece:				
32610 25,26	Gravity and pressurized 3/.....	1	(D)	(D)	(D)
	Flushometer valve:				
32610 28	Floor mounted 3/.....	4	(D)	(D)	(D)
	Less than 17 inches from floor to rim of bowl:				
	Close coupled for use with flush tank:				
32610 32,34	Gravity and pressurized.....	7	4,303,622	4,289,444	175,791
	One-piece:				
32610 38	Gravity and pressurized 3/.....	5	362,132	376,274	(D)
32610 42	Pressurized 3/.....	3	(D)	(D)	(D)
	Flushometer valve:				
32610 44	Wall mounted.....	5	(D)	270,316	17,361
32610 46	Floor mounted.....	5	193,904	207,417	14,225
	Blowout 3.5 gpf:				
32610 48	Vitreous china 3/.....	5	(D)	(D)	(D)
	Any bowl style:				
19001 17	All materials other than vitreous china 3/.....	7	(D)	(D)	(D)
32610 31	Flush tanks (vitreous china).....	10	6,853,894	7,109,538	252,217

Continued

Table 4. Total Production and Shipments of Plumbing Fixtures: 1998 and 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments	
				Quantity	Value
	Urinals.....	(NA)	287,396	303,058	32,635
34310 38	Metal.....	7	4,070	4,057	2,080
32610 36	Vitreous china.....	9	283,326	299,001	30,555
	Kitchen sinks, not including				
	bar sinks 4/.....	(NA)	5,238,719	5,328,511	348,154
34310 41	Cast iron (enameled) 4/.....	3	(D)	(D)	117,813
34310 42	Steel (enameled).....	7	325,454	392,265	12,931
34310 47	Steel (stainless).....	7	3,852,790	3,883,647	186,847
19001 07	All other materials 4/.....	12	(D)	(D)	117,813
19001 08	Bar sinks (all materials)	24	359,146	361,353	21,396
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	822,956	819,033	62,967
34310 54	Metal.....	9	64,464	66,078	33,151
30880 33	Plastics.....	6	728,913	725,932	14,018
32610 54	Vitreous china	4	11,808	10,866	3,413
32722 84	Concrete and all other materials 5/.....	4	(D)	(D)	(D)
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	4,491,728	4,495,447	662,488
34310 61	Cast iron (enameled) 6/.....	2	(D)	(D)	(D)
34310 62	Steel (enameled).....	5	882,457	893,725	60,415
30880 12	Fiberglass (FRP) gel coat.....	30	2,497,896	2,496,928	409,168
30880 13	Fiberglass (FRP) acrylic.....	29	207,149	205,584	56,576
30880 14	Cultured marble.....	56	20,430	20,241	11,162
30880 15	Other plastics (PVC, ABS).....	11	470,730	466,192	31,729
19001 09	All other materials /6.....	2	(D)	(D)	(D)
	Shower receptors, sold separately.....	(NA)	309,853	305,617	19,581
30886 55	Plastics.....	25	293,342	287,023	15,104
19001 10	All other materials.....	35	16,511	18,594	4,477
	Shower stalls, including receptor 7/.....	(NA)	1,027,859	1,014,544	210,117
34310 74	Metal 7/.....	2	(D)	(D)	(D)
30880 21	Fiberglass (FRP) gel coat	26	674,374	665,200	128,364
30880 22	Fiberglass (FRP) acrylic.....	15	104,099	100,531	39,306
30880 23	Other plastics	13	111,025	110,895	8,901
19001 11	All other materials 7/.....	22	(D)	(D)	(D)
	Wall surrounds, sold as separate units.....	(NA)	1,085,976	1,136,488	70,666
30880 70	Showers (all materials).....	57	280,511	307,189	21,418
30880 71	Bathtubs (all materials).....	47	805,465	829,299	49,248
19222 08	Bidets (all materials).....	9	44,471	46,836	6,194
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)	498,349	488,516	329,291
34310 86	Cast iron (enameled) 8/.....	2	(D)	(D)	(D)
30880 26	Fiberglass (FRP) gel coat.....	22	40,603	41,060	27,725

Continued

Table 4. Total Production and Shipments of Plumbing Fixtures: 1998 and 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments	
				Quantity	Value
30880 27	Fiberglass (FRP) acrylic.....	36	403,973	391,420	262,904
30880 28	Cultured marble.....	55	9,027	8,840	10,142
30886 29	Other plastics.....	8	38,556	40,917	18,316
19001 12	All other materials 8/.....	2	(D)	(D)	(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	29	156,049	155,895	401,102
	All other fixtures not described above.....	(NA)	(X)	(X)	54,372
30882 20	Plastic.....	7	(X)	(X)	441
19002 20	All other materials.....	12	(X)	(X)	53,931

D Withheld to avoid disclosing data for individual companies. NA Not available. X Not applicable.

1/"Drinking fountains, metal," "Drinking fountains, vitreous china," and "Drinking fountains, all other materials" are combined with "Drinking fountains" to avoid disclosing data for individual companies.

2/"Lavatories, cast iron (enameled)" and "Lavatories, all other materials" are included with "Lavatories" to avoid disclosing data for individual companies.

3/"Water closet bowls, 17 inches from floor to rim of bowl, one-piece, and flushometer valve," "Water closet bowls, less than 17 inches from floor to rim of bowl, one-piece," "Blowout 3.5 gpf," and "Any bowl style" are included with "Water closet bowls" to avoid disclosing data for individual companies.

4/"Kitchen sinks, cast iron (enameled)," and "Kitchen sinks, all other materials" are included with "Kitchen sinks" to avoid disclosing data for individual companies.

5/For 1998, data for "Wash sinks, vitreous china," and "Wash sinks, concrete and all other materials" and "Bar sinks (all materials)" are included with "Wash sinks" to avoid disclosing data for individual companies. For 1997, data for "Wash sinks, concrete and all other materials" are included with "Wash sinks" to avoid disclosing data for individual companies.

6/"Bathtubs, cast iron (enameled)" and "Bathtubs, all other materials" are included with "Bathtubs" to avoid disclosing data for individual companies.

7/For 1998, "Shower stalls, all other materials," "Shower stalls, metal," and "Shower stalls, other plastics" are included with "Shower stalls" to avoid disclosing data for individual companies. For 1997, "Shower stalls, all other materials," and "Shower stalls, metal" are included with "Shower stalls" to avoid disclosing data for individual companies.

8/"Whirlpool baths, all other materials," and "Whirlpool baths, cast iron (enameled)" are included with "Whirlpool baths" to avoid disclosing data for individual companies.

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments				Value	Stocks, end of quarter	
				Quantity						
FIRST QUARTER										
	Plumbing fixtures.....	(NA)	(X)	(X)	a/	822,694		(X)		
	Drinking fountains 1/.....	(NA)	13,108	13,201		3,286		428		
34310 15	Metal 1/.....	6	(D)	(D)		(D)		(D)		
32610 12	Vitreous china 1/.....	3	(D)	(D)		(D)		(D)		
19001 02	All other materials 1/.....	2	(D)	(D)		(D)		(D)		
	Lavatories 2/.....	(NA)	a/ 1,790,420	a/ 1,866,028	a/	98,733	b/	580,308		
34310 17	Cast iron (enameled) 2/.....	4	(D)	(D)		(D)		20,679		
34310 18	Steel (enameled).....	6	b/ 456,151	b/ 476,051	b/	6,487	b/	126,576		
34310 19	Steel (stainless) 2/.....	7	7,580	8,144		1,680		(D)		
32610 17	Vitreous china.....	11	a/ 776,485	a/ 817,696	a/	40,831	b/r/	321,413		
30880 04	Cultured marble.....	79	a/ 375,343	a/ 383,830	b/	35,162	b/	89,539		
30880 31	Other plastics.....	8	a/r/ 90,052	a/r/ 95,963	a/r/	8,204	r/	21,117		
19001 03	All other materials 2/.....	3	(D)	(D)		(D)		(D)		
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	a/r/ 2,017,085	a/r/ 2,070,182	a/r/	115,671	a/r/	607,132		
	Vitreous china:									
	17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 18,22	Gravity and pressurized.....	7	r/ 574,370	r/ 609,824	r/	27,934	r/	196,130		
	One-piece:									
32610 25,26	Gravity and pressurized 3/	1	(D)	(D)		(D)		(D)		
	Flushometer valve:									
32610 28	Floor mounted 3/.....	5	(D)	(D)		(D)		(D)		
	Less than 17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 32,34	Gravity and pressurized 3/.....	7	a/ 1,043,333	a/ 1,082,541	a/	43,996		(D)		
	One-piece:									
32610 38,42	Gravity and pressurized 3/.....	7	103,674	94,915		(D)		(D)		
	Flushometer valve:									
32610 44	Wall mounted 3/.....	6	a/r/ 65,896	a/r/ 69,637	a/r/	4,333		(D)		
32610 46	Floor mounted.....	5	a/ 51,102	a/ 50,701	a/	3,342	a/	6,146		
	Blowout 3.5 gpf:									
32610 48	Vitreous china 3/.....	5	(D)	b/ 39,161		(D)		(D)		
	Any bowl style:									
19001 17	All materials other than vitreous china 3/.....	6	(D)	(D)		(D)		(D)		
32610 31	Flush tanks (vitreous china).....	10	a/ 1,868,973	a/ 1,832,410	b/	62,289	b/r/	322,134		
	Urinals.....	(NA)	a/r/ 77,339	a/r/ 75,231	a/r/	7,911	b/	24,523		
34310 38	Metal.....	7	(D)	b/ 997	b/r/	412		(D)		
32610 36	Vitreous china.....	9	(D)	a/r/ 74,234	a/r/	7,499		(D)		
	Kitchen sinks, not including bar sinks 4/.....	(NA)	a/ 1,455,457	a/ 1,483,002	a/r/	101,726		93,066		
34310 41	Cast iron (enameled) 4/.....	4	(D)	(D)		(D)		(D)		
34310 42	Steel (enameled).....	7	b/ 84,017	b/ 106,317	b/	3,368	a/	16,730		
34310 47	Steel (stainless) 4/.....	7	a/r/ 1,030,541	a/r/ 1,073,375	a/r/	50,518		(D)		
19001 07	All other materials 4/.....	12	(D)	(D)		(D)		(D)		
19001 08	Bar sinks (all materials) 5/.....	23	(D)	(D)		(D)		(D)		
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	b/r/ 216,115	b/r/ 212,778	b/r/	15,659	b/	27,225		
34310 54	Metal.....	9	b/ 24,346	a/ 19,887	b/r/	7,689	b/	7,934		
30880 33	Plastics 5/.....	5	b/r/ 186,277	b/r/ 186,148	b/r/	3,615		(D)		
32610 54	Vitreous china 5/.....	4	(D)	(D)		(D)		1,281		
32722 84	Concrete and all other materials 5/.....	3	(D)	(D)		(D)		(D)		
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	a/r/ 1,193,104	a/r/ 1,159,560	a/	166,315	a/r/	128,147		
34310 61	Cast iron (enameled) 6/.....	2	(D)	(D)		(D)		(D)		

Continued

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments				Stocks, end of quarter	
						Quantity		Value			
34310 62	Steel (enameled).....	5	b/	235,995	b/	238,068	b/	14,793	b/	26,285	
30880 12	Fiberglass (FRP) gel coat.....	31	a/	593,648	a/	606,587	a/	97,870	b/r/	49,218	
30880 13	Fiberglass (FRP) acrylic.....	30	a/	50,239	a/	49,460	a/	13,122	b/	15,676	
30880 14	Cultured marble 6/.....	54	b/	6,105	b/	6,439	b/	2,988		(D)	
30880 15	Other plastics (PVC, ABS) 6/.....	13	b/r/	191,959	b/r/	145,326	b/r/	10,815		(D)	
19001 09	All other materials 6/.....	2		(D)		(D)		(D)		(D)	
	Shower receptors, sold separately.....	(NA)	b/r/	100,798	b/r/	110,186	b/	5,537	b/	14,346	
30886 55	Plastics.....	26	b/r/	92,719	b/r/	101,457	b/	4,055		(D)	
19001 10	All other materials.....	37	r/	8,079	r/	8,728	a/r/	1,483		(D)	
	Shower stalls, including receptor 7/.....	(NA)	b/r/	245,565	b/r/	254,603	b/r/	52,770	b/r/	22,403	
34310 74	Metal 7/.....	3		(D)		(D)		(D)		-	
30880 21	Fiberglass (FRP) gel coat	28	b/	163,243	a/	172,812	a/	33,766	b/r/	8,377	
30880 22	Fiberglass (FRP) acrylic.....	15	a/	23,823	a/	24,939		10,193	r/	2,196	
30880 23	Other plastics 7/.....	14		(D)		(D)	b/	1,449		(D)	
19001 11	All other materials 7/.....	19		(D)		(D)		(D)		(D)	
	Wall surrounds, sold as separate units.....	(NA)	b/r/	299,384	b/r/	284,611	b/r/	19,489	r/	36,886	
30880 70	Showers (all materials).....	51	b/r/	65,262	b/r/	81,199	b/r/	5,416		(D)	
30880 71	Bathtubs (all materials).....	46	b/r/	234,121	b/r/	203,412	b/r/	14,073		(D)	
19222 08	Bidets (all materials).....	9	r/	11,040	a/	11,598		1,552	r/	7,222	
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)	a/	145,774	b/	136,818	a/	89,992	b/	43,659	
34310 86	Cast iron (enameled) 8/.....	2		(D)		(D)		(D)		(D)	
30880 26	Fiberglass (FRP) gel coat.....	23	b/	7,432	b/	7,911	b/	4,277	b/	1,011	
30880 27	Fiberglass (FRP) acrylic.....	35	a/	121,671	a/	112,950	a/	74,024	b/	40,483	
30880 28	Cultured marble 8/.....	53	b/	3,657	b/	3,128	b/	3,964		(D)	
30886 29	Other plastics 8/.....	8	b/r/	11,445	b/r/	11,153	b/r/	5,052		(D)	
19001 12	All other materials 8/.....	2		(D)		(D)		(D)		(D)	
19001 15	Hot tubs and spas (noninstitutional, all materials).....	30	a/	30,323	a/r/	32,883	a/	63,647	b/	9,120	
	All other fixtures not described above.....	(NA)		(X)		(X)	b/	15,252		(X)	
30882 20	Plastic.....	5		(X)		(X)	b/	56		(X)	
19002 20	All other materials.....	13		(X)		(X)	b/	15,195		(X)	
SECOND QUARTER											
	Plumbing fixtures.....	(NA)		(X)		(X)	a/	874,673		(X)	
	Drinking fountains 1/.....	(NA)		17,474		17,208		4,385		672	
34310 15	Metal 1/.....	6		(D)		(D)		(D)		(D)	
32610 12	Vitreous china 1/.....	3		(D)		(D)		(D)		(D)	
19001 02	All other materials 1/.....	2		(D)		(D)		(D)		(D)	
	Lavatories 2/.....	(NA)	a/	1,868,676	a/	1,812,424	a/	101,665	b/	609,671	
34310 17	Cast iron (enameled) 2/.....	4		(D)		(D)		(D)		24,789	
34310 18	Steel (enameled).....	6	b/	433,120	b/	421,544	b/	6,024	b/	138,152	
34310 19	Steel (stainless) 2/.....	7		6,683		9,305		2,034		(D)	
32610 17	Vitreous china.....	11	a/	828,129	a/	821,322	a/	40,032	b/r/	323,494	
30880 04	Cultured marble.....	79	a/	403,135	a/	369,966	b/	39,154	b/	101,573	
30880 31	Other plastics.....	8	a/r/	102,598	a/r/	101,882	a/r/	7,905	r/	21,117	
19001 03	All other materials 2/.....	3		(D)		(D)		(D)		(D)	
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	a/r/	2,031,447	a/r/	2,065,005	a/r/	118,257	a/r/	578,275	
	Vitreous china:										
	17 inches from floor to rim of bowl:										
	Close coupled for use with flush tank:										
32610 18,22	Gravity and pressurized.....	7	r/	543,727	r/	579,326	r/	25,844	r/	164,297	
	One-piece:										
32610 25,26	Gravity and pressurized 3/	1		(D)		(D)		(D)		(D)	
	Flushometer valve:										
32610 28	Floor mounted 3/.....	5		(D)		(D)		(D)		(D)	

Continued

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments				Stocks, end of quarter	
						Quantity		Value			
	Less than 17 inches from floor to rim of bowl:										
	Close coupled for use with flush tank:										
32610 32,34	Gravity and pressurized 3/.....	7	a/	1,089,084	a/	1,092,263	a/	44,633		(D)	
	One-piece:										
32610 38,42	Gravity and pressurized 3/.....	7		82,332		98,553		(D)		(D)	
	Flushometer valve:										
32610 44	Wall mounted 3/.....	6	a/r/	81,801	a/r/	74,714	a/r/	5,057		(D)	
32610 46	Floor mounted.....	5	a/	46,118	a/	48,982	a/	3,361	a/	3,347	
	Blowout 3.5 gpf:										
32610 48	Vitreous china 3/.....	5		(D)	b/	39,462		(D)		(D)	
	Any bowl style:										
19001 17	All materials other than vitreous china 3/.....	6		(D)		(D)		(D)		(D)	
32610 31	Flush tanks (vitreous china).....	10	a/	1,930,950	a/	1,814,757	b/	64,343	b/r/	359,082	
	Urinals.....	(NA)	a/r/	67,782	a/r/	71,784	a/r/	8,627	b/	20,041	
34310 38	Metal.....	7		(D)	b/	1,210	b/r/	640		(D)	
32610 36	Vitreous china.....	9		(D)	a/r/	70,575	a/r/	7,987		(D)	
	Kitchen sinks, not including bar sinks 4/.....	(NA)	a/	1,449,323	a/	1,487,367	a/r/	95,283	r/	98,437	
34310 41	Cast iron (enameled) 4/.....	4		(D)		(D)		(D)		(D)	
34310 42	Steel (enameled).....	7	b/	92,838	b/	109,743	b/	4,013	a/	13,625	
34310 47	Steel (stainless) 4/.....	7	a/	1,080,433	a/	1,095,563	a/	52,348		(D)	
19001 07	All other materials 4/.....	12		(D)		(D)		(D)		(D)	
19001 08	Bar sinks (all materials) 5/.....	23		(D)		(D)		(D)		(D)	
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	b/	215,705	b/	212,091	b/	14,727	b/	32,858	
34310 54	Metal.....	9	b/	22,883	a/	19,222	b/r/	6,760	b/	13,642	
30880 33	Plastics 5/.....	5	b/r/	186,277	b/r/	186,148	b/r/	3,615		(D)	
32610 54	Vitreous china 5/.....	4		(D)		(D)		(D)	r/	1,196	
32722 84	Concrete and all other materials 5/.....	3		(D)		(D)		(D)		(D)	
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	a/r/	1,163,384	a/r/	1,163,799	a/r/	171,173	a/r/	130,692	
34310 61	Cast iron (enameled) 6/.....	2		(D)		(D)		(D)		(D)	
34310 62	Steel (enameled).....	5	b/	210,796	b/	217,290	b/	13,663	b/	23,464	
30880 12	Fiberglass (FRP) gel coat.....	31	a/	645,238	a/	633,817	a/	105,301	b/	53,172	
30880 13	Fiberglass (FRP) acrylic.....	30	a/	52,019	a/	50,283	a/	14,333	b/	16,857	
30880 14	Cultured marble 6/.....	54	b/	4,927	b/	6,010	b/	2,980		(D)	
30880 15	Other plastics (PVC, ABS) 6/.....	13	b/r/	146,702	b/r/	151,542	b/r/	11,230		(D)	
19001 09	All other materials 6/.....	2		(D)		(D)		(D)		(D)	
	Shower receptors, sold separately.....	(NA)	b/r/	96,406	b/r/	126,768	b/	5,450	b/	14,830	
30886 55	Plastics.....	26	b/r/	87,379	b/	118,106	b/	3,651		(D)	
19001 10	All other materials.....	37	r/	9,027	r/	8,662	a/r/	1,799		(D)	
	Shower stalls, including receptor 7/.....	(NA)	b/r/	260,383	b/r/	255,593	b/r/	55,540	b/r/	25,830	
34310 74	Metal 7/.....	3		(D)		(D)		(D)	b/	-	
30880 21	Fiberglass (FRP) gel coat	28	b/	176,396	a/r/	174,048	a/	36,349	b/r/	11,378	
30880 22	Fiberglass (FRP) acrylic.....	15	a/	25,306	a/	25,741		10,202	r/	2,621	
30880 23	Other plastics 7/.....	14		(D)		(D)		1,544		(D)	
19001 11	All other materials 7/.....	19		(D)		(D)		(D)		(D)	
	Wall surrounds, sold as separate units.....	(NA)	b/r/	277,601	b/r/	296,827	b/r/	21,298	r/	37,677	
30880 70	Showers (all materials).....	51	b/r/	81,729	b/r/	79,350	b/r/	8,226		(D)	
30880 71	Bathtubs (all materials).....	46	b/r/	195,871	b/r/	217,477	b/r/	13,072		(D)	
19222 08	Bidets (all materials).....	9	r/	10,980	a/	11,241		1,462	r/	6,950	
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)	a/	140,223	b/	131,741	a/	93,234	b/	45,155	
34310 86	Cast iron (enameled) 8/.....	2		(D)		(D)		(D)		(D)	

Continued

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments			Stocks, end of quarter	
						Quantity		Value		
30880 26	Fiberglass (FRP) gel coat.....	23	b/	8,724	b/	7,444	b/	5,296	b/	1,615
30880 27	Fiberglass (FRP) acrylic.....	35	a/	118,532	a/	112,917	a/	79,259	b/	41,843
30880 28	Cultured marble 8/.....	53	b/	3,336	b/	3,001	b/	3,454		(D)
30886 29	Other plastics 8/.....	8	b/r/	7,710	b/r/	6,504	b/r/	2,312		(D)
19001 12	All other materials 8/.....	2		(D)		(D)		(D)		(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	30	a/	39,801	a/r/	28,921	a/	98,560	b/	14,163
	All other fixtures not described above.....	(NA)		(X)		(X)	b/	15,167		(X)
30882 20	Plastic.....	5		(X)		(X)	b/	55		(X)
19002 20	All other materials.....	13		(X)		(X)	b/	15,112		(X)
THIRD QUARTER										
	Plumbing fixtures.....	(NA)		(X)		(X)	a/	909,791		(X)
	Drinking fountains 1/.....	(NA)		16,064		16,284		4,730		432
34310 15	Metal 1/.....	6		(D)		(D)		(D)		(D)
32610 12	Vitreous china 1/.....	3		(D)		(D)		(D)		(D)
19001 02	All other materials 1/.....	2		(D)		(D)		(D)		(D)
	Lavatories 2/.....	(NA)	a/	2,197,533	a/	2,106,361	a/	102,602	b/	776,845
34310 17	Cast iron (enameled) 2/.....	4		(D)		(D)		(D)		16,561
34310 18	Steel (enameled).....	6	b/	507,388	b/	411,253	b/	6,359	b/	234,287
34310 19	Steel (stainless) 2/.....	7		9,736		9,223		1,814		(D)
32610 17	Vitreous china.....	11	a/	822,267	a/	819,147	a/	40,702	b/r/	320,871
30880 04	Cultured marble.....	79	a/	671,934	a/	654,924	b/	40,780	b/	183,111
30880 31	Other plastics.....	8	a/r/	103,932	a/r/	121,122	a/r/	12,946	r/	21,117
19001 03	All other materials 2/.....	3		(D)		(D)		(D)		(D)
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	a/r/	2,037,346	a/r/	2,088,090	a/r/	117,831	a/r/	554,900
	Vitreous china:									
	17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 18,22	Gravity and pressurized.....	7	r/	565,253	r/	614,628	r/	27,697		121,851
	One-piece:									
32610 25,26	Gravity and pressurized 3/.....	1		(D)		(D)		(D)		(D)
	Flushometer valve:									
32610 28	Floor mounted 3/.....	5		(D)		(D)		(D)		(D)
	Less than 17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 32,34	Gravity and pressurized 3/.....	7	a/	1,110,511	a/	1,082,530	a/	46,313		(D)
	One-piece:									
32610 38,42	Gravity and pressurized 3/.....	7		96,937		97,647		(D)		(D)
	Flushometer valve:									
32610 44	Wall mounted 3/.....	6	a/r/	90,615	a/r/	75,798	a/r/	5,202		(D)
32610 46	Floor mounted.....	5	a/	47,236	a/	48,568	a/	3,394	a/	2,622
	Blowout 3.5 gpf:									
32610 48	Vitreous china 3/.....	5		(D)	b/r/	52,045		(D)		(D)
	Any bowl style:									
19001 17	All materials other than vitreous china 3/.....	6		(D)		(D)		(D)		(D)
32610 31	Flush tanks (vitreous china).....	10	a/	2,016,957	a/	1,805,972	b/	66,341	b/	471,214
	Urinals.....	(NA)	a/r/	79,887	a/r/	76,196	a/r/	8,289	b/	23,027
34310 38	Metal.....	7		(D)	b/	952	b/r/	375		(D)
32610 36	Vitreous china.....	9		(D)	a/r/	75,244	a/r/	7,914		(D)
	Kitchen sinks, not including bar sinks 4/.....	(NA)	a/	1,309,809	a/	1,384,481	a/r/	97,546	r/	73,779
34310 41	Cast iron (enameled) 4/.....	4		(D)		(D)		(D)		(D)
34310 42	Steel (enameled).....	7	b/	84,409	b/	109,317	b/	3,991	a/	12,656
34310 47	Steel (stainless) 4/.....	7	a/	969,352	a/	990,128	a/	53,312		(D)
19001 07	All other materials 4/.....	12		(D)		(D)		(D)		(D)

Continued

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced		Shipments				Stocks, end of quarter		
					Quantity		Value				
19001 08	Bar sinks (all materials) 5/.....	23		(D)		(D)		(D)		(D)	
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	b/		212,689	b/	212,047	b/	14,525	b/	34,011
34310 54	Metal.....	9	b/		20,586	a/	19,347	b/r/	6,723	b/	15,120
30880 33	Plastics 5/.....	5	b/r/		186,277	b/r/	186,148	b/r/	3,615		(D)
32610 54	Vitreous china 5/.....	4			(D)		(D)		(D)	r/	861
32722 84	Concrete and all other materials 5/.....	3			(D)		(D)		(D)		(D)
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	a/r/		1,197,239	a/r/	1,168,388	a/r/	178,388	a/	151,316
34310 61	Cast iron (enameled) 6/.....	2			(D)		(D)		(D)		(D)
34310 62	Steel (enameled).....	5	b/		234,139	b/	207,110	b/	15,507	b/	42,481
30880 12	Fiberglass (FRP) gel coat.....	31	a/r/		650,680	a/r/	631,384	a/	109,895	b/	51,320
30880 13	Fiberglass (FRP) acrylic.....	30	a/		63,757	a/	53,504	a/	16,943	b/	22,627
30880 14	Cultured marble 6/.....	54	b/		5,970	b/	6,202	b/	3,273		(D)
30880 15	Other plastics (PVC, ABS) 6/.....	13	b/r/		144,921	b/r/	169,918	b/r/	9,942		(D)
19001 09	All other materials 6/.....	2			(D)		(D)		(D)		(D)
	Shower receptors, sold separately.....	(NA)	b/r/		97,346	b/r/	79,654	b/	6,502	b/	14,079
30886 55	Plastics.....	26	b/r/		90,475	b/r/	71,812	b/	5,243		(D)
19001 10	All other materials.....	37	r/		6,870	r/	7,842	a/r/	1,259		(D)
	Shower stalls, including receptor 7/.....	(NA)	b/r/		276,129	b/r/	255,812	b/r/	59,349	b/r/	27,966
34310 74	Metal 7/.....	3			(D)		(D)		(D)		-
30880 21	Fiberglass (FRP) gel coat	28	b/		191,820	a/	171,994	a/	39,929	b/r/	13,872
30880 22	Fiberglass (FRP) acrylic.....	15	a/		25,971	a/	26,651		10,588	r/	2,260
30880 23	Other plastics 7/.....	14			(D)		(D)	b/	1,445		(D)
19001 11	All other materials 7/.....	19			(D)		(D)		(D)		(D)
	Wall surrounds, sold as separate units.....	(NA)	b/r/		297,045	b/r/	312,251	b/r/	17,917	r/	37,661
30880 70	Showers (all materials).....	51	b/r/		75,828	b/r/	71,230	b/r/	6,024		(D)
30880 71	Bathtubs (all materials).....	46	b/r/		221,217	b/r/	241,021	b/r/	11,892		(D)
19222 08	Bidets (all materials).....	9	r/		11,276	a/	10,949		1,621	r/	7,079
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)	a/		145,800	b/	136,821	a/	97,939	b/	50,377
34310 86	Cast iron (enameled) 8/.....	2			(D)		(D)		(D)		(D)
30880 26	Fiberglass (FRP) gel coat.....	23	b/		9,180	b/	7,314	b/	5,729	b/	2,354
30880 27	Fiberglass (FRP) acrylic.....	35	a/		125,285	a/	116,953	a/	84,849	b/	46,261
30880 28	Cultured marble 8/.....	53	b/		2,834	b/	3,946	b/	2,641		(D)
30886 29	Other plastics 8/.....	8	b/r/		6,968	b/r/	6,976	b/r/	2,035		(D)
19001 12	All other materials 8/.....	2			(D)		(D)		(D)		(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	30	a/		47,496	a/r/	32,914	a/	111,985	b/	22,805
	All other fixtures not described above.....	(NA)			(X)		(X)	b/	16,440		(X)
30882 20	Plastic.....	5			(X)		(X)	b/	53		(X)
19002 20	All other materials.....	13			(X)		(X)	b/	16,387		(X)
FOURTH QUARTER											
	Plumbing fixtures.....	(NA)			(X)		(X)	a/	828,267		(X)
	Drinking fountains 1/.....	(NA)			11,080		11,324		3,292		216
34310 15	Metal 1/.....	6			(D)		(D)		(D)		(D)
32610 12	Vitreous china 1/.....	3			(D)		(D)		(D)		(D)
19001 02	All other materials 1/.....	2			(D)		(D)		(D)		(D)
	Lavatories 2/.....	(NA)	a/		2,154,378	a/	2,084,857	a/	101,552	b/	804,908
34310 17	Cast iron (enameled) 2/.....	4			(D)		(D)		(D)		14,941
34310 18	Steel (enameled).....	6	b/		471,318	b/r/	485,001	b/	4,943	b/	222,756
34310 19	Steel (stainless) 2/.....	7			8,990		8,457		1,635		(D)
32610 17	Vitreous china.....	11	a/		835,716	a/	800,775	a/	41,372	b/r/	348,050

Continued

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.			Quantity produced	Shipments		Value	Stocks, end of quarter	
						Quantity				
30880 04	Cultured marble.....	79	a/		656,729	a/	596,908	b/	40,135	b/
30880 31	Other plastics.....	8	a/r/		97,197	a/r/	107,227	a/r/	7,273	r/
19001 03	All other materials 2/.....	3			(D)		(D)		(D)	(D)
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	a/r/		1,961,388	a/r/	1,993,751	a/r/	113,541	a/r/
	Vitreous china:									
	17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 18,22	Gravity and pressurized.....	7	r/		575,210	r/	570,074	r/	26,402	133,659
	One-piece:									
32610 25,26	Gravity and pressurized 3/.....	1			(D)		(D)		(D)	(D)
	Flushometer valve:									
32610 28	Floor mounted 3/.....	5			(D)		(D)		(D)	(D)
	Less than 17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 32,34	Gravity and pressurized 3/.....	7	a/		1,020,053	a/	1,052,877	a/	43,479	(D)
	One-piece:									
32610 38,42	Gravity and pressurized 3/.....	7			94,393		95,934		(D)	(D)
	Flushometer valve:									
32610 44	Wall mounted 3/.....	6	a/r/		88,196	a/r/	82,341	a/r/	5,178	(D)
32610 46	Floor mounted.....	5	a/		47,065	a/	45,436	a/	3,814	a/
	Blowout 3.5 gpf:									
32610 48	Vitreous china 3/.....	5			(D)	b/	40,553		(D)	(D)
	Any bowl style:									
19001 17	All materials other than vitreous china 3/.....	6			(D)		(D)		(D)	(D)
32610 31	Flush tanks (vitreous china).....	10	a/		1,768,132	a/	1,716,289	b/	59,780	b/r/
	Urinals.....	(NA)	a/r/		83,687	a/r/	76,570	a/r/	8,402	b/r/
34310 38	Metal.....	7			(D)	b/	931	b/	355	(D)
32610 36	Vitreous china.....	9			(D)	a/r/	75,639	a/r/	8,047	(D)
	Kitchen sinks, not including bar sinks 4/.....	(NA)	a/		1,351,197	a/	1,458,789	a/	89,835	55,927
34310 41	Cast iron (enameled) 4/.....	4			(D)		(D)		(D)	(D)
34310 42	Steel (enameled).....	7	b/		81,568	b/r/	128,832	b/	3,237	a/
34310 47	Steel (stainless) 4/.....	7	a/		998,861	a/	1,044,940	a/	47,564	(D)
19001 07	All other materials 4/.....	12			(D)		(D)		(D)	(D)
19001 08	Bar sinks (all materials) 5/.....	23			(D)		(D)		(D)	(D)
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	b/		212,308	b/	211,742	b/	14,564	b/
34310 54	Metal.....	9	b/		19,795	a/	18,993	b/r/	6,735	b/
30880 33	Plastics 5/.....	5	b/r/		186,277	b/r/	186,148	b/r/	3,615	(D)
32610 54	Vitreous china 5/.....	4			(D)		(D)		(D)	851
32722 84	Concrete and all other materials 5/.....	3			(D)		(D)		(D)	(D)
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	a/r/		1,133,844	a/r/	1,143,601	a/r/	171,270	a/
34310 61	Cast-iron (enameled) 6/.....	2			(D)		(D)		(D)	(D)
34310 62	Steel (enameled).....	5	b/		236,152	b/	211,821	b/	14,505	b/
30880 12	Fiberglass (FRP) gel coat.....	31	a/		618,456	a/r/	625,701	a/	103,659	b/
30880 13	Fiberglass (FRP) acrylic.....	30	a/		51,440	a/	50,533	a/	13,598	b/
30880 14	Cultured marble 6/.....	54	b/		7,022	b/	5,971	b/	3,518	(D)
30880 15	Other plastics (PVC, ABS) 6/.....	13	b/r/		114,846	b/r/	145,652	b/r/	11,495	(D)
19001 09	All other materials 6/.....	2			(D)		(D)		(D)	(D)
	Shower receptors, sold separately.....	(NA)	b/r/		82,112	b/r/	80,410	b/	6,567	b/
30886 55	Plastics.....	26	b/r/		73,973	b/r/	72,936	b/	5,048	(D)
19001 10	All other materials.....	37	r/		8,139	r/	7,474	a/r/	1,519	(D)
	Shower stalls, including receptor 7/.....	(NA)	b/r/		254,014	b/r/	252,123	b/r/	54,720	b/r/
34310 74	Metal 7/.....	3			(D)		(D)		(D)	b/
30880 21	Fiberglass (FRP) gel coat.....	28	b/		174,263	a/	169,579	a/	36,913	b/r/

Continued

Table 5. Production, Shipments, and Stocks of Plumbing Fixtures: 1998
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments		Value		Stocks, end of quarter
						Quantity				
30880 22	Fiberglass (FRP) acrylic.....	15	a/	21,863	a/	25,391		9,050	r/	1,750
30880 23	Other plastics 7/.....	14		(D)		(D)	b/	1,434		(D)
19001 11	All other materials 7/.....	19		(D)		(D)		(D)		(D)
	Wall surrounds, sold as separate units.....	(NA)	b/r/	297,734	b/r/	282,116	b/r/	17,596	r/	38,327
30880 70	Showers (all materials).....	51	b/r/	71,442	b/r/	70,690	b/r/	6,106		(D)
30880 71	Bathtubs (all materials).....	46	b/r/	226,293	b/r/	211,426	b/r/	11,490		(D)
19222 08	Bidets (all materials).....	9	r/	9,151	a/	10,405		1,475	r/	5,897
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)	a/	108,266	b/	132,423	a/	78,716	b/	40,583
34310 86	Cast iron (enameled) 8/.....	2		(D)		(D)		(D)		(D)
30880 26	Fiberglass (FRP) gel coat.....	23	b/	8,003	b/	7,623	b/	4,911	b/	2,634
30880 27	Fiberglass (FRP) acrylic.....	35	a/	90,850	a/	112,493	a/	66,747	b/	36,703
30880 28	Cultured marble 8/.....	53	b/	2,823	b/	3,819	b/	2,654		(D)
30886 29	Other plastics 8/.....	8	b/r/	5,170	b/r/	7,042	b/r/	2,017		(D)
19001 12	All other materials 8/.....	2		(D)		(D)		(D)		(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	30	a/	35,616	a/r/	30,974	a/	86,916	b/	27,580
	All other fixtures not described above.....	(NA)		(X)		(X)	b/	13,631		(X)
30882 20	Plastic.....	5		(X)		(X)	b/	53		(X)
19002 20	All other materials.....	13		(X)		(X)	b/	13,577		(X)

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/"Drinking fountains, metal," "Drinking fountains, vitreous china," and "Drinking fountains, all other materials" are included with "Drinking fountains" to avoid disclosing data for individual companies.

2/"Lavatories, cast iron (enameled)," "Lavatories, all other materials," and Stocks, end of quarter for "Lavatories, steel (stainless)" are included with "Lavatories" to avoid disclosing data for individual companies.

3/"Water closet bowls, 17 inches from floor to rim of bowl, one-piece, and flushometer valve," "Water closet bowls, less than 17 inches from floor to rim of bowl, one-piece," "Blowout 3.5 gpf," and "Any bowl style" are included with "Water closet bowls" to avoid disclosing data for individual companies. Stocks, end of quarter for "Water closet bowls, less than 17 inches from floor to rim of bowl, close coupled for use with flush tank, and flushometer valve, wall mounted" are included with "Water closet bowls" to avoid disclosing data for individual companies.

4/"Kitchen sinks, cast iron (enameled)," and "Kitchen sinks, all other materials" are included with "Kitchen sinks" to avoid disclosing data for individual companies. Stocks, end of quarter for "Kitchen sinks, steel (stainless)" are included with "Kitchen sinks" to avoid disclosing data for individual companies.

5/"Wash sinks, vitreous china," "Wash sinks, concrete and all other materials," "Bar sinks (all materials)," and Stocks, end of quarter for "Wash sinks, plastics" are included with "Wash sinks" to avoid disclosing data for individual companies.

6/"Bathtubs, cast iron (enameled)," "Bathtubs, all other materials," and Stocks, end of quarter for "Bathtubs, cultured marble," and "Bathtubs, other plastics" are included with "Bathtubs" to avoid disclosing data for individual companies.

7/"Shower stalls, all other materials," "Shower stalls, metal," and Stocks, end of quarter for "Shower stalls, other plastics" are included with "Shower stalls" to avoid disclosing data for individual companies.

8/"Whirlpool baths, all other materials," "Whirlpool baths, cast iron (enameled)," and Stocks, end of quarter for "Whirlpool baths, other plastics" and "Whirlpool baths, cultured marble" are included with "Whirlpool baths" to avoid disclosing data for individual companies.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced	Shipments				Stocks, end of quarter		
				Quantity		Value				
FIRST QUARTER										
	Plumbing fixtures.....	(NA)	(X)		(X)		719,530		(X)	
	Drinking fountains 1/.....	(NA)		9,991		9,785		2,839	901	
34310 15	Metal 1/.....	5		(D)		(D)		(D)	(D)	
32610 12	Vitreous china 1/.....	3		(D)		(D)		(D)	(D)	
19001 02	All other materials 1/.....	2		(D)		(D)		(D)	(D)	
	Lavatories 2/.....	(NA)	r/	1,914,508		1,925,672	r/	96,612	543,765	
34310 17	Cast iron (enameled) 2/.....	4		(D)		(D)		(D)	(D)	
34310 18	Steel (enameled).....	6		417,464	r/	437,411	r/	7,196	92,657	
34310 19	Steel (stainless) 2/.....	7		7,412	r/	7,230	r/	1,547	(D)	
32610 17	Vitreous china.....	11	a/r/	848,967	a/	850,313		41,545	a/r/ 332,780	
30880 04	Cultured marble.....	80	b/	470,500	b/r/	470,035	b/r/	32,944	b/ 66,370	
30880 31	Other plastics 2/.....	8	b/r/	170,164	b/r/	160,683	b/r/	13,379	(D)	
19001 03	All other materials 2/.....	3		(D)		(D)		(D)	(D)	
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	r/	2,049,531	r/	2,050,804	r/	116,617	r/ 585,215	
	Vitreous china:									
	17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 18,22	Gravity and pressurized.....	10	r/	615,462	r/	639,870	r/	29,204	r/ 207,853	
	One-piece:									
32610 25,26	Gravity and pressurized 3/	1		(D)		(D)		(D)	(D)	
	Flushometer valve:									
32610 28	Floor mounted 3/.....	4		(D)		(D)		(D)	(D)	
	Less than 17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 32,34	Gravity and pressurized.....	7	r/	1,060,250	r/	1,026,706	r/	43,718	r/ 234,607	
	One-piece:									
32610 38	Gravity 3/.....	5	r/	86,676	r/	88,635		(D)	(D)	
32610 42	Pressurized 3/.....	3		(D)		(D)		(D)	(D)	
	Flushometer valve:									
32610 44	Wall mounted 3/.....	5		(D)		71,087		4,495	15,223	
32610 46	Floor mounted.....	5		38,944		47,133		3,191	10,913	
	Blowout 3.5 gpf:									
32610 48	Vitreous china 3/.....	5		(D)		(D)		(D)	(D)	
	Any bowl style:									
19001 17	All materials other than vitreous china 3/.....	7		(D)		(D)		(D)	(D)	
32610 31	Flush tanks (vitreous china).....	10	a/	1,664,321	a/	1,780,904	a/	65,683	a/ 418,680	
	Urinals.....	(NA)		74,000	r/	74,406	r/	8,132	24,362	
34310 38	Metal.....	7	a/r/	1,488	b/r/	1,138	b/r/	660	(D)	
32610 36	Vitreous china.....	9		72,512	r/	73,268	r/	7,472	(D)	
	Kitchen sinks, not including bar sinks 4/.....	(NA)		1,296,297		1,306,686		83,122	174,170	
34310 41	Cast iron (enameled) 4/.....	3		(D)		(D)	r/	28,930	(D)	
34310 42	Steel (enameled).....	7	b/	77,765	b/	104,031	b/	3,492	19,834	
34310 47	Steel (stainless)	7	a/	956,636	b/	960,206		44,962	b/ 85,918	
19001 07	All other materials 4/.....	12		(D)		(D)	b/r/	5,739	(D)	
19001 08	Bar sinks (all materials)	24		93,841		92,638	r/	5,831	r/ 15,046	
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	r/	206,507	r/	205,571	r/	25,187	25,296	

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments				Stocks, end of quarter
						Quantity	Value			
34310 54	Metal.....	9	b/r/	16,228	a/r/	17,658	b/r/	17,832	b/	5,013
30880 33	Plastics 5/.....	6	b/r/	182,228	b/r/	181,483	b/r/	3,505		(D)
32610 54	Vitreous china 5/.....	4		(D)		(D)		(D)		(D)
32722 84	Concrete and all other materials 5/.....	4		(D)		(D)		(D)		(D)
Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....										
		(NA)		1,139,095		1,102,213		158,228		142,151
34310 61	Cast iron (enameled) 6/.....	2		(D)		(D)		(D)		(D)
34310 62	Steel (enameled) 6/.....	5	b/	219,659	b/	230,569	b/	16,368		(D)
30880 12	Fiberglass (FRP) gel coat.....	30	a/	578,567	a/	570,020	a/	92,905	a/	63,200
30880 13	Fiberglass (FRP) acrylic.....	29	a/	50,087	a/	50,875	a/	14,026		9,360
30880 14	Cultured marble 6/.....	56	b/	3,111	b/	3,571	b/	1,919		(D)
30880 15	Other plastics (PVC, ABS) 6/.....	11	b/	178,779	b/	142,861	b/	9,722		(D)
19001 09	All other materials 6/.....	2		(D)		(D)		(D)		(D)
Shower receptors, sold separately.....										
30886 55	Plastics.....	25	b/r/	71,357	b/r/	74,170	b/	3,792		(D)
19001 10	All other materials.....	35	r/	3,427	a/r/	3,710	a/r/	896		(D)
Shower stalls, including receptor 7/.....										
		(NA)	r/	255,790	r/	252,844	r/	51,266	r/	25,742
34310 74	Metal 7/.....	2		(D)		(D)		(D)		(D)
30880 21	Fiberglass (FRP) gel coat	26	a/r/	165,741	a/	162,863	a/	30,849	b/r/	16,464
30880 22	Fiberglass (FRP) acrylic.....	15	a/r/	25,160	a/	24,322	a/	9,611	r/	2,998
30880 23	Other plastics 7/.....	13	b/r/	30,229	b/r/	31,110	b/r/	2,328		(D)
19001 11	All other materials 7/.....	22		(D)		(D)		(D)		(D)
Wall surrounds, sold as separate units.....										
30880 70	Showers (all materials).....	57	b/r/	84,836	b/	83,618	b/r/	6,052		(D)
30880 71	Bathtubs (all materials).....	47	b/r/	239,787	b/r/	262,127	b/r/	14,760		(D)
19222 08	Bidets (all materials).....	9	r/	10,859		12,063		1,602	r/	8,553
Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....										
		(NA)		114,383		114,393		77,802		27,564
34310 86	Cast iron (enameled) 8/.....	2		(D)		(D)		(D)		(D)
30880 26	Fiberglass (FRP) gel coat.....	22	b/	8,994	b/	9,009	b/	6,140	b/	2,233
30880 27	Fiberglass (FRP) acrylic.....	36	a/	91,920	a/	89,820	a/	61,542	b/	21,313
30880 28	Cultured marble.....	55	b/r/	2,064	b/r/	2,043	b/r/	2,342	b/r/	2,580
30886 29	Other plastics 8/.....	8	a/r/	9,673	a/r/	11,789	r/	5,044		(D)
19001 12	All other materials 8/.....	2		(D)		(D)		(D)		(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	29	b/r/	34,333	b/	28,804	b/r/	75,741		7,991
All other fixtures not described above.....										
30882 20	Plastic.....	7		(X)		(X)	b/r/	112		(X)
19002 20	All other materials.....	12		(X)		(X)	b/	11,620		(X)
SECOND QUARTER										
Plumbing fixtures.....		(NA)		(X)		(X)		861,666		(X)
Drinking fountains 1/.....										
		(NA)		13,624		13,770		3,794		745
34310 15	Metal 1/.....	5		(D)		(D)		(D)		(D)
32610 12	Vitreous china 1/.....	3		(D)		(D)		(D)		(D)
19001 02	All other materials 1/.....	2		(D)		(D)		(D)		(D)
Lavatories 2/.....										
		(NA)	r/	1,909,728		1,934,146	r/	99,208		547,258
34310 17	Cast iron (enameled) 2/.....	4		(D)		(D)		(D)		(D)
34310 18	Steel (enameled).....	6		432,412		411,801		6,706		113,268
34310 19	Steel (stainless)	7	r/	6,683	r/	7,002	r/	1,435	r/	675

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Shipments								Stocks, end of quarter
			Quantity produced		Quantity		Value				
32610 17	Vitreous china.....	11	a/r/	828,182	a/	865,966	r/	42,555	a/r/	311,642	
30880 04	Cultured marble.....	80	b/	466,027	b/r/	482,393	b/r/	34,500	b/	62,430	
30880 31	Other plastics.....	8	b/r/	176,531	b/r/	166,984	b/r/	14,013	r/	59,243	
19001 03	All other materials 2/.....	3		(D)		(D)		(D)		(D)	
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	r/	2,094,331	r/	2,055,478	r/	116,696	r/	627,940	
	Vitreous china:										
	17 inches from floor to rim of bowl:										
	Close coupled for use with flush tank:										
32610 18,22	Gravity and pressurized.....	10	r/	619,067	r/	604,528	r/	28,107	r/	215,918	
	One-piece:										
32610 25,26	Gravity and pressurized 3/	1		(D)		(D)		(D)		(D)	
	Flushometer valve:										
32610 28	Floor mounted 3/.....	4		(D)		(D)		(D)		(D)	
	Less than 17 inches from floor to rim of bowl:										
	Close coupled for use with flush tank:										
32610 32,34	Gravity and pressurized.....	7	r/	1,104,519	r/	1,066,951	r/	44,382	r/	276,789	
	One-piece:										
32610 38	Gravity 3/.....	5		91,397		91,762		(D)		(D)	
32610 42	Pressurized 3/	3		(D)		(D)		(D)		(D)	
	Flushometer valve:										
32610 44	Wall mounted 3/.....	5		(D)	r/	63,720	r/	4,150	r/	12,348	
32610 46	Floor mounted.....	5	r/	49,419	r/	51,214	r/	3,623	r/	9,093	
	Blowout 3.5 gpf:										
32610 48	Vitreous china 3/.....	5		(D)		(D)		(D)		(D)	
	Any bowl style:										
19001 17	All materials other than vitreous china 3/.....	7		(D)		(D)		(D)		(D)	
32610 31	Flush tanks (vitreous china).....	10	a/	1,769,536	a/	1,803,577	a/	64,407	a/	379,775	
	Urinals.....	(NA)		72,322		80,689		8,625		20,200	
34310 38	Metal.....	7	a/r/	1,027	b/r/	1,021	b/r/	544	r/	(D)	
32610 36	Vitreous china.....	9		71,295		79,668		8,080		(D)	
	Kitchen sinks, not including bar sinks 4/.....	(NA)		1,346,980		1,350,156		88,859		194,345	
34310 41	Cast iron (enameled) 4/.....	3		(D)		(D)		29573		(D)	
34310 42	Steel (enameled).....	7	b/	78,143	b/	91,965	b/	2,933		17,292	
34310 47	Steel (stainless)	7	a/	981,099	b/	993,633		48,128	b/	86,576	
19001 07	All other materials 4/.....	12		(D)		(D)	b/	8,225		(D)	
19001 08	Bar sinks (all materials)	24		97,107		96,909	r/	5,844	r/	14,404	
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	r/	208,093	r/	206,800	r/	13,201		25,423	
34310 54	Metal.....	9	b/	17,372	a/	17,537	b/	5,547	b/	4803	
30880 33	Plastics 5/.....	6	b/r/	182,228	b/r/	181,483	b/r/	3,505		(D)	
32610 54	Vitreous china 5/.....	4		(D)		(D)		(D)	r/	2,723	
32722 84	Concrete and all other materials 5/.....	4		(D)		(D)		(D)		(D)	
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	r/	1,153,208	r/	1,170,702	r/	171,965	r/	157,256	
34310 61	Cast iron (enameled) 6/.....	2		(D)		(D)		(D)		(D)	
34310 62	Steel (enameled).....	5	b/	229,129	b/	223,643	b/	14,867		23,877	
30880 12	Fiberglass (FRP) gel coat.....	30	a/r/	667,080	a/r/	670,952	a/	108,284	a/r/	57,691	
30880 13	Fiberglass (FRP) acrylic.....	29	a/	53,477	a/r/	53,525	a/r/	14,790		8,678	
30880 14	Cultured marble 6/.....	56	b/	4,895	b/	4,851	b/	2,705		(D)	

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments			Value	Stocks, end of quarter
						Quantity				
30880 15	Other plastics (PVC, ABS) 6/.....	11	b/r/	81,437	b/r/	115,219	b/r/	7,838		(D)
19001 09	All other materials 6/.....	2		(D)		(D)		(D)		(D)
	Shower receptors, sold separately.....	(NA)	r/	79,305		76,714		4,746		17,561
30886 55	Plastics.....	25	b/r/	75,574	b/r/	73,139	b/	3,881		(D)
19001 10	All other materials.....	35	r/	3,731	a/r/	3,576	a/r/	865		(D)
	Shower stalls, including receptor 7/.....	(NA)	r/	258,441	r/	256,452		52,946		24,911
34310 74	Metal 7/.....	2		(D)		(D)		(D)		(D)
30880 21	Fiberglass (FRP) gel coat	26	a/r/	170,386	a/	169,114	a/	32,436	b/r/	15,747
30880 22	Fiberglass (FRP) acrylic.....	15	a/r/	26,483	a/	25,496	a/	9,976	r/	2,983
30880 23	Other plastics 7/.....	13	b/r/	27,076	b/r/	27,456	b/r/	2,271		(D)
19001 11	All other materials 7/.....	22		(D)		(D)		(D)		(D)
	Wall surrounds, sold as separate units.....	(NA)	r/	268,445	r/	274,346		17,387	r/	33,899
30880 70	Showers (all materials).....	57	b/r/	71,172	b/	77,887	b/	5,358		(D)
30880 71	Bathtubs (all materials).....	47	b/r/	197,273	b/r/	196,459	b/r/	12,028		(D)
19222 08	Bidets (all materials).....	9	r/	10,566		11,541		1,554	r/	7,614
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)		130,268		125,036		82,751		28,868
34310 86	Cast iron (enameled) 8/.....	2		(D)		(D)		(D)		(D)
30880 26	Fiberglass (FRP) gel coat.....	22	b/	10,629	b/	10,546	b/	6,945	b/	2,062
30880 27	Fiberglass (FRP) acrylic.....	36	a/	105,250	a/	99,895	a/	66,123	b/	23,451
30880 28	Cultured marble.....	55	b/	2,022	b/	2,043	b/	2,348	b/	2,528
30886 29	Other plastics 8/.....	8	a/r/	10,558	a/r/	10,960	r/	4,748		(D)
19001 12	All other materials 8/.....	2		(D)		(D)		(D)		(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	29	b/r/	43,721	b/	45,372	b/r/	115,434	r/	7,829
	All other fixtures not described above.....	(NA)		(X)		(X)	r/	14,248		(X)
30882 20	Plastic.....	7		(X)		(X)	b/r/	113		(X)
19002 20	All other materials.....	12		(X)		(X)	b/r/	14,136		(X)
THIRD QUARTER										
	Plumbing fixtures.....	(NA)		(X)		(X)		867,340		(X)
	Drinking fountains 1/.....	(NA)		15,470		15,573		4,478		594
34310 15	Metal 1/.....	5		(D)		(D)		(D)		(D)
32610 12	Vitreous china 1/.....	3		(D)		(D)		(D)		(D)
19001 02	All other materials 1/.....	2		(D)		(D)		(D)		(D)
	Lavatories 2/.....	(NA)		1,838,879		1,807,174		88,145		579,234
34310 17	Cast iron (enameled) 2/.....	4		(D)		(D)		(D)		(D)
34310 18	Steel (enameled).....	6		431,691		403,254		6,328		142,099
34310 19	Steel (stainless)	7		7,700		7,034	r/	1,430	r/	1,276
32610 17	Vitreous china.....	11	a/r/	765,530	a/	755,778		35,577	a/r/	325,560
30880 04	Cultured marble.....	80	b/	491,370	b/	479,112	b/	31,167	b/	65,397
30880 31	Other plastics.....	8	b/r/	142,589	b/r/	161,997	b/r/	13,643	r/	44,902
19001 03	All other materials 2/.....	3		(D)		(D)		(D)		(D)
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	r/	1,995,805	r/	2,017,486	r/	114,065	r/	625,232
	Vitreous china:									
	17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 18,22	Gravity and pressurized.....	10	r/	542,185	r/	534,152	r/	25,763	r/	222,351
	One-piece:									

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Quantity produced		Shipments			Stocks, end of quarter	
					Quantity		Value		
32610 25,26	Gravity and pressurized 3/	1	(D)		(D)		(D)		(D)
32610 28	Flushometer valve: Floor mounted 3/.....	4	(D)		(D)		(D)		(D)
	Less than 17 inches from floor to rim of bowl: Close coupled for use with flush tank: One-piece:								
32610 32,34	Gravity and pressurized.....	7	r/	1,110,734	r/	1,111,335	r/	44,610	r/ 280,236
32610 38	Gravity 3/.....	5	r/	100,534	r/	97,459		(D)	(D)
32610 42	Pressurized 3/.....	3		(D)		(D)		(D)	(D)
	Flushometer valve: Wall mounted 3/.....	5		(D)	r/	69,684	r/	4,486	r/ 11,502
32610 46	Floor mounted.....	5	r/	51,608	r/	53,981	r/	3,699	r/ 6,676
32610 48	Blowout 3.5 gpf: Vitreous china 3/.....	5		(D)		(D)		(D)	(D)
19001 17	Any bowl style: All materials other than vitreous china 3/.....	7		(D)		(D)		(D)	(D)
32610 31	Flush tanks (vitreous china).....	10	a/	1,732,804	a/	1,785,973	a/	62,326	a/r/ 329,642
	Urinals.....	(NA)		70,058		72,745		7,968	22,279
34310 38	Metal.....	7	a/	1,033	b/	1,020	b/	569	(D)
32610 36	Vitreous china.....	9		69,025		71,725		7,399	(D)
	Kitchen sinks, not including bar sinks 4/.....	(NA)		1,267,117		1,296,517		84,793	r/ 163,174
34310 41	Cast iron (enameled) 4/.....	3		(D)		(D)		29,342	(D)
34310 42	Steel (enameled).....	7	b/	90,570	b/	92,569	b/	2,852	23,228
34310 47	Steel (stainless)	7	a/	943,356	b/	936,724		45,299	b/ 87,023
19001 07	All other materials 4/.....	12		(D)		(D)	b/	7,300	(D)
19001 08	Bar sinks (all materials)	24		101,286		103,202	r/	6,168	r/ 11,874
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	r/	203,755	r/	203,047	r/	12,140	24,624
34310 54	Metal.....	9	b/	14,912	a/	15,022	b/	4,688	b/ 4,347
30880 33	Plastics 5/.....	6	b/r/	182,228	b/r/	181,483	b/r/	3,505	(D)
32610 54	Vitreous china 5/.....	4		(D)		(D)		(D)	2,685
32722 84	Concrete and all other materials 5/.....	4		(D)		(D)		(D)	(D)
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	r/	1,149,636	r/	1,181,012	r/	175,426	r/ 146,304
34310 61	Cast iron (enameled) 6/.....	2		(D)		(D)		(D)	(D)
34310 62	Steel (enameled) 6/.....	5	b/	238,341	b/	235,448	b/	15,431	(D)
30880 12	Fiberglass (FRP) gel coat.....	30	a/r/	666,359	a/r/	666,877	a/	110,598	a/r/ 59,503
30880 13	Fiberglass (FRP) acrylic.....	29	a/	57,109	a/r/	54,682	a/r/	14,925	9,419
30880 14	Cultured marble 6/.....	56	b/	6,337	b/	6,286	b/	3,491	(D)
30880 15	Other plastics (PVC, ABS) 6/.....	11	b/r/	96,542	b/r/	113,637	b/r/	7,736	(D)
19001 09	All other materials 6/.....	2		(D)		(D)		(D)	(D)
	Shower receptors, sold separately.....	(NA)	r/	88,648	r/	84,779		5,505	17,561
30886 55	Plastics.....	25	b/r/	84,221	b/r/	79,258	b/	4,179	(D)
19001 10	All other materials.....	35	r/	4,426	a/r/	5,521	a/r/	1,326	(D)
	Shower stalls, including receptor 7/.....	(NA)	r/	271,415	r/	268,992	r/	56,581	r/ 26,208
34310 74	Metal 7/.....	2		(D)		(D)		(D)	(D)
30880 21	Fiberglass (FRP) gel coat	26	a/r/	179,764	a/	178,905	a/	35,176	b/r/ 16,446
30880 22	Fiberglass (FRP) acrylic.....	15	a/r/	28,589	a/	27,434	a/	10,750	r/ 3,100
30880 23	Other plastics 7/.....	13	b/r/	28,568	b/r/	28,269	b/r/	2,394	(D)

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.			Quantity produced			Shipments		Stocks, end of quarter
								Quantity	Value	
19001 11	All other materials 7/.....	22			(D)			(D)	(D)	(D)
	Wall surrounds, sold as separate units.....	(NA)	r/		272,586	r/		269,229	16,598	33,999
30880 70	Showers (all materials).....	57	b/r/		74,780	b/		75,807	5,192	(D)
30880 71	Bathtubs (all materials).....	47	b/r/		197,806	b/r/		193,422	11,406	(D)
19222 08	Bidets (all materials).....	9	r/		11,345			12,101	1,591	7,086
	Whirlpool baths, not spas or hot tubs									
	(noninstitutional) 8/.....	(NA)			140,288			136,953	94,557	29,725
34310 86	Cast iron (enameled) 8/.....	2			(D)			(D)	(D)	(D)
30880 26	Fiberglass (FRP) gel coat.....	22	b/		11,798	b/		11,713	7,974	2,048
30880 27	Fiberglass (FRP) acrylic.....	36	a/		113,048	a/		112,019	77,567	24,360
30880 28	Cultured marble.....	55	b/r/		2,112	b/r/		1,994	2,286	2,176
30886 29	Other plastics 8/.....	8	a/r/		12,081	a/r/		9,818	4,342	(D)
19001 12	All other materials 8/.....	2			(D)			(D)	(D)	(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	29	b/		43,177	b/r/		47,393	121,293	5,844
	All other fixtures not described above.....	(NA)			(X)			(X)	15,707	(X)
30882 20	Plastic.....	7			(X)			(X)	109	(X)
19002 20	All other materials.....	12			(X)			(X)	15,599	(X)
FOURTH QUARTER										
	Plumbing fixtures.....	(NA)			(X)			(X)	787,839	(X)
	Drinking fountains 1/.....	(NA)			10,998			11,111	3,361	497
34310 15	Metal 1/.....	5			(D)			(D)	(D)	(D)
32610 12	Vitreous china 1/.....	3			(D)			(D)	(D)	(D)
19001 02	All other materials 1/.....	2			(D)			(D)	(D)	(D)
	Lavatories 2/.....	(NA)			1,852,935			1,792,570	91,392	587,614
34310 17	Cast iron (enameled) 2/.....	4			(D)			(D)	(D)	(D)
34310 18	Steel (enameled).....	6			395,742			392,420	6,196	145,857
34310 19	Steel (stainless) 2/.....	7			7,454			7,336	1,589	(D)
32610 17	Vitreous china.....	11	a/		792,530	a/		777,219	37,698	337,649
30880 04	Cultured marble.....	80	b/		491,031	b/		463,155	33,453	57,840
30880 31	Other plastics 2/.....	8	b/r/		166,178	b/r/		152,440	12,456	(D)
19001 03	All other materials 2/.....	3			(D)			(D)	(D)	(D)
	Water closet bowls 1.6 gpf, excluding flush tank unless integral 3/.....	(NA)	r/		1,911,947	r/		1,983,175	111,880	645,476
	Vitreous china:									
	17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 18,22	Gravity and pressurized.....	10	r/		539,558	r/		529,160	24,156	226,298
	One-piece:									
32610 25,26	Gravity and pressurized 3/.....	1			(D)			(D)	(D)	(D)
	Flushometer valve:									
32610 28	Floor mounted 3/.....	4			(D)			(D)	(D)	(D)
	Less than 17 inches from floor to rim of bowl:									
	Close coupled for use with flush tank:									
32610 32,34	Gravity and pressurized.....	7	r/		1,028,120	r/		1,084,453	43,083	317,355
	One-piece:									
32610 38	Gravity 3/.....	5	r/		83,525			98,420	(D)	(D)
32610 42	Pressurized 3/.....	3			(D)			(D)	(D)	(D)
	Flushometer valve:									
32610 44	Wall mounted 3/.....	5			(D)	r/		65,826	4,229	13,198

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	Shipments							
			Quantity produced		Quantity		Value		Stocks, end of quarter	
32610 46	Floor mounted.....	5	r/	53,932	r/	55,091	r/	3,712	r/	5,480
32610 48	Blowout 3.5 gpf: Vitreous china 3/.....	5		(D)		(D)		(D)		(D)
19001 17	Any bowl style: All materials other than vitreous china 3/.....	7		(D)		(D)		(D)		(D)
32610 31	Flush tanks (vitreous china).....	10	a/	1,687,233	a/	1,739,084	a/	59,801	a/r/	274,276
	Urinals.....	(NA)		71,016	r/	75,218	r/	7,910		20,099
34310 38	Metal.....	7	a/	523	b/	877	b/	307		(D)
32610 36	Vitreous china.....	9		70,493	r/	74,341	r/	7,603		(D)
	Kitchen sinks, not including bar sinks 4/.....	(NA)		1,328,325		1,375,151		91,380	r/	159,141
34310 41	Cast iron (enameled) 4/.....	3		(D)		(D)		29,968		(D)
34310 42	Steel (enameled).....	7	b/	78,976	b/	103,700	b/	3,654		16,353
34310 47	Steel (stainless)	7	a/	971,699	b/	993,085		48,458	b/	90,336
19001 07	All other materials 4/.....	12		(D)		(D)	b/	9,300		(D)
19001 08	Bar sinks (all materials)	24		97,653		98,600	r/	6,024	r/	11,030
	Wash sinks and service sinks, mop sinks, sink and laundry tray combinations, and laundry trays 5/.....	(NA)	r/	204,602	r/	203,614	r/	12,439		24,797
34310 54	Metal.....	9	b/	15,953	a/	15,861	b/	5,084	b/	4,471
30880 33	Plastics 5/.....	6	b/r/	182,228	b/r/	181,483	b/r/	3,505		(D)
32610 54	Vitreous china 5/.....	4		(D)		(D)		(D)	r/	2,724
32722 84	Concrete and all other materials 5/.....	4		(D)		(D)		(D)		(D)
	Bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths 6/.....	(NA)	r/	1,049,790	r/	1,041,520		156,870	r/	143,550
34310 61	Cast iron (enameled) 6/.....	2		(D)		(D)		(D)		(D)
34310 62	Steel (enameled) 6/.....	5	b/	195,328	b/	204,065	b/	13,749		(D)
30880 12	Fiberglass (FRP) gel coat.....	30	a/r/	585,891	a/r/	589,079	a/	97,381	a/r/	57,667
30880 13	Fiberglass (FRP) acrylic.....	29	a/	46,476	a/r/	46,502	a/r/	12,835		9,542
30880 14	Cultured marble 6/.....	56	b/	6,087	b/	5,534	b/	3,047		(D)
30880 15	Other plastics (PVC, ABS) 6/.....	11	b/	113,972	b/	94,474	b/	6,433		(D)
19001 09	All other materials 6/.....	2		(D)		(D)		(D)		(D)
	Shower receptors, sold separately.....	(NA)	r/	67,117	r/	66,244		4,642		17,561
30886 55	Plastics.....	25	b/r/	62,190	b/r/	60,456	b/	3,252		(D)
19001 10	All other materials.....	35	r/	4,926	a/r/	5,788	a/r/	1,390		(D)
	Shower stalls, including receptor 7/.....	(NA)	r/	242,213	r/	236,256	r/	49,325	r/	26,747
34310 74	Metal 7/.....	2		(D)		(D)		(D)		(D)
30880 21	Fiberglass (FRP) gel coat	26	a/r/	158,483	a/	154,317	a/	29,903	b/r/	17,608
30880 22	Fiberglass (FRP) acrylic.....	15	a/r/	23,867	a/	23,278	a/	8,968	r/	2,816
30880 23	Other plastics 7/.....	13	b/r/	25,153	b/r/	24,061	b/r/	1,908		(D)
19001 11	All other materials 7/.....	22		(D)		(D)		(D)		(D)
	Wall surrounds, sold as separate units.....	(NA)	r/	220,321	r/	247,167	r/	15,869		31,376
30880 70	Showers (all materials).....	57	b/r/	49,722	b/r/	69,877	b/r/	4,815		(D)
30880 71	Bathtubs (all materials).....	47	b/r/	170,599	b/r/	177,291	b/r/	11,053		(D)
19222 08	Bidets (all materials).....	9	r/	11,700		11,130		1,447	r/	7,641
	Whirlpool baths, not spas or hot tubs (noninstitutional) 8/.....	(NA)		113,410		112,135		74,180		31,400
34310 86	Cast iron (enameled) 8/.....	2		(D)		(D)		(D)		(D)
30880 26	Fiberglass (FRP) gel coat.....	22	b/	9,182	b/	9,792	b/	6,665	b/	1,830

Continued

Table 6. Production, Shipments and Stocks of Plumbing Fixtures: 1997
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.		Quantity produced		Shipments		Value	Stocks, end of quarter	
						Quantity				
30880 27	Fiberglass (FRP) acrylic.....	36	a/	93,755	a/	89,686	a/	57,672	b/	26,543
30880 28	Cultured marble.....	55	b/	2,829	b/r/	2,759	b/r/	3,166	b/	1,991
30886 29	Other plastics 8/.....	8	a/r/	6,245	a/r/	8,349	r/	4,182		(D)
19001 12	All other materials 8/.....	2		(D)		(D)		(D)		(D)
19001 15	Hot tubs and spas (noninstitutional, all materials).....	29	b/	34,818	b/r/	34,325	b/r/	88,634	r/	6,285
	All other fixtures not described above.....	(NA)		(X)		(X)	r/	12,685		(X)
30882 20	Plastic.....	7		(X)		(X)	b/r/	109		(X)
19002 20	All other materials.....	12		(X)		(X)	b/r/	12,577		(X)

D Withheld to avoid disclosed data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data.

1/"Drinking fountains, metal," "Drinking fountains, vitreous china," and "Drinking fountains, all other materials" are combined with "Drinking fountains" to avoid disclosing data for individual companies.

2/"Lavatories, cast iron (enameled)," "Lavatories, all other materials," and first and fourth quarter Stocks, end of quarter for "Lavatories, other plastics" and "Lavatories, steel (stainless)" are included with "Lavatories" to avoid disclosing data for individual companies.

3/"Water closet bowls, 17 inches from floor to rim of bowl, one-piece, and flushometer valve," "Water closet bowls, less than 17 inches from floor to rim of bowl, one-piece and flushometer valve, wall mounted," "Blowout 3.5 gpf," and "Any bowl style" are included with "Water closet bowls" to avoid disclosing data for individual companies.

4/"Kitchen sinks, cast iron (enameled)," and "Kitchen sinks, all other materials" are included with "Kitchen sinks" to avoid disclosing data for individual companies.

5/"Wash sinks, vitreous china," "Wash sinks, concrete and all other materials," and Stocks, end of quarter for "Wash sinks plastics" are included with "Wash sinks" to avoid disclosing data for individual companies.

6/"Bathtubs, cast iron (enameled)," "Bathtubs, all other materials," and Stocks, end of quarter for "Bathtubs, other plastics" are included with "Bathtubs" to avoid disclosing data for individual companies.

7/"Shower stalls, all other materials," "Shower stalls, metal," and Stocks, end of quarter for "Shower stalls, other plastics" are included with "Shower stalls" to avoid disclosing data for individual companies.

8/"Whirlpool baths, all other materials," "Whirlpool baths, cast iron (enameled)," and Stocks, end of quarter for "Whirlpool baths, other plastics" are included with "Whirlpool baths" to avoid disclosing data for individual companies.

Note: Percent of estimation of each item is indicated as follows: a/25 to 50 percent of this item is estimated. b/Over 50 percent of this item is estimated.

Table 7. Shipments, Exports, Imports, and Apparent Consumption of Plumbing Fixtures: 1998 to 1996
[Value in thousands of dollars]

Product code 1/	Product description	Manufac- turers' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 1/2/	Value of imports for consump- tion 1/3/4/	Apparent consump- tion 5/
1998					
	Plumbing fixtures.....	3,293,159	177,580	324,954	3,440,533
32610 pt.	Vitreous.....	883,689	65,656	68,040	886,073
34310 pt.	Metal.....	700,833	71,281	163,503	793,055
30880 pt.	Plastics and fiberglass.....	1,708,637	40,643	93,411	1,761,405
1997					
	Plumbing fixtures.....	3,088,825	189,747	264,666	3,163,744
32610 pt.	Vitreous.....	876,820	68,421	50,547	858,946
34310 pt.	Metal.....	672,814	78,406	138,207	732,615
30880 pt.	Plastics and fiberglass.....	1,539,191	42,920	75,912	1,572,183
1996					
	Plumbing fixtures.....	2,935,659	132,158	261,695	3,065,196
32610 pt.	Vitreous.....	859,693	58,465	64,771	865,999
34310 pt.	Metal.....	643,775	35,836	128,434	736,373
30880 pt.	Plastics and fiberglass.....	1,432,191	37,857	68,490	1,462,824

pt. Part

1/For comparison of product codes, export numbers, and import numbers for plumbing fixtures, see Table 8.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

4/This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

5/Apparent consumption is derived by subtracting exports from the total of manufacturers' shipments plus imports.

Table 8. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
32610 21, 32610 24, 32610 27, 32610 31	Ceramic water closet bowls and flush tanks.....	6910.10.0005, 6910.10.0010, 6910.10.0025	6910.10.0005, 6910.10.0010, 6910.10.0020, 6910.10.0015
32610 17, 32610 54	Sinks and lavatories.....	6910.10.0030	6910.10.0030
32610 12, 32610 36, 32610 80	Other ceramic sanitary fixtures.....	6910.10.0050	6910.10.0050
34310 19, 34310 47, 34310 53	Sinks and wash basins, of stainless steel.....	7324.10.0000	7324.10.0000
34310 61, 34310 86	Bathtubs, cast iron.....	7324.21.0000	7324.21.1000 7324.21.5000
34310 62, 34310 89	Bathtubs, steel.....	7324.29.0000	7324.29.0000
30880 04, 30880 08, 30880 10, 30880 12- 30880 15, 30880 21- 30880 23, 30880 26- 30880 31, 30880 55, 30880 89	Baths, shower baths, and washbasins, of plastics.....	3922.10.0000	3922.10.0000
30882 20	Other sanitary fixtures, of plastics.....	3922.90.0000	3922.90.0000
34310 15, 34310 17, 34310 18, 34310 38, 34310 41, 34310 42, 34310 51, 34310 54, 34310 74, 34310 77	Other sanitary fixtures, of metal.....	7324.90.0000 7418.20.0000 7615.20.0000	7324.90.0000 7418.20.1000 7418.20.5000 7615.20.0000

1/Source: 1998 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (1998).