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Quantities of TRI Chemicals in Waste, 2009

Waste Management Activity	2009	
	Pounds	Percent
Quantity Recycled	7,364,599,296	36.7
Quantity Recycled On-site	5,757,221,521	28.7
Quantity Recycled Off-site	1,607,377,775	8.0
Quantity Used for Energy Recovery	2,238,188,788	11.1
Quantity Used for Energy Recovery On-site	1,871,707,282	9.3
Quantity Used for Energy Recovery Off-site	366,481,506	1.8
Quantity Treated	7,058,675,810	35.1
Quantity Treated On-site	6,637,559,513	33.0
Quantity Treated Off-site	421,116,297	2.1
Total Quantity Disposed of or Otherwise Released	3,422,049,887	17.0
Total On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	499,507,497	2.5
Total Other On-site Disposal or Other Releases	2,498,485,178	12.4
Total Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	269,445,352	1.3
Total Other Off-site Disposal or Other Releases	154,611,861	0.8
Total Production-related Waste Managed	20,083,513,781	100.0
Non-production-related Waste Managed	11,461,712	

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Data are from TRI Form R Section 8.

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: All Industries

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3 Toluene	857,839,790	16,719,934	874,559,724
110-54-3 n-Hexane	683,978,630	2,670,702	686,649,332
-- Lead compounds	230,458,000	252,175,538	482,633,537
7440-50-8 Copper	138,804,451	330,353,336	469,157,787
-- Zinc compounds	61,025,532	333,073,959	394,099,491
98-82-8 Cumene	362,479,657	66,328	362,545,985
67-56-1 Methanol	336,253,934	11,223,888	347,477,822
76-13-1 Freon 113	299,392,800	352	299,393,152
107-13-1 Acrylonitrile	275,021,329	6,617	275,027,946
7782-50-5 Chlorine	238,930,637	307,593	239,238,230
107-21-1 Ethylene glycol	156,473,650	49,601,550	206,075,200
-- Copper compounds	75,205,731	93,841,251	169,046,982
1330-20-7 Xylene (mixed isomers)	141,901,313	11,529,538	153,430,851
75-65-0 tert-Butyl alcohol	145,236,624	186,225	145,422,849
7664-41-7 Ammonia	124,670,367	2,189,501	126,859,867
7440-47-3 Chromium	6,143,442	102,714,030	108,857,473
74-85-1 Ethylene	104,296,593	1,153	104,297,746
75-09-2 Dichloromethane	93,807,589	7,185,296	100,992,885
79-01-6 Trichloroethylene	97,239,993	833,127	98,073,120
7697-37-2 Nitric acid	88,706,392	1,733,799	90,440,191
Subtotal for Top 20 Chemicals	4,517,866,455	1,216,413,716	5,734,280,171
Total for all TRI Chemicals	5,757,221,521	1,607,377,775	7,364,599,296

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/riprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Manufacturing* Industries

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3 Toluene	847,647,581	16,421,845	864,069,427
110-54-3 n-Hexane	682,818,948	2,619,706	685,438,655
7440-50-8 Copper	138,804,091	326,126,548	464,930,639
-- Lead compounds	229,446,164	202,765,562	432,211,726
-- Zinc compounds	33,771,527	331,484,131	365,255,658
98-82-8 Cumene	362,476,822	64,482	362,541,304
67-56-1 Methanol	334,720,632	11,155,469	345,876,101
76-13-1 Freon 113	299,392,800	133	299,392,933
107-13-1 Acrylonitrile	275,021,329	6,403	275,027,732
7782-50-5 Chlorine	238,702,308	3,939	238,706,247
107-21-1 Ethylene glycol	149,222,298	28,647,492	177,869,790
-- Copper compounds	74,623,259	93,001,610	167,624,869
75-65-0 tert-Butyl alcohol	145,236,624	183,193	145,419,817
1330-20-7 Xylene (mixed isomers)	132,928,803	11,346,688	144,275,491
7664-41-7 Ammonia	120,389,206	2,138,540	122,527,745
7440-47-3 Chromium	6,142,023	102,638,799	108,780,821
74-85-1 Ethylene	104,296,593	1,153	104,297,746
79-01-6 Trichloroethylene	96,751,968	821,692	97,573,660
75-09-2 Dichloromethane	90,280,304	7,070,293	97,350,597
7440-02-0 Nickel	4,973,828	84,019,590	88,993,418
Subtotal for Top 20 Chemicals	4,367,647,106	1,220,517,270	5,588,164,376
Total for all TRI Chemicals	5,587,688,217	1,514,702,056	7,102,390,273

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

* Manufacturing industries include NAICS codes 31-33.

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Chemicals (NAICS 325)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3 Toluene	527,585,856	7,653,891	535,239,747
98-82-8 Cumene	362,358,989	42,990	362,401,979
67-56-1 Methanol	316,506,392	9,848,293	326,354,685
76-13-1 Freon 113	299,392,800	0	299,392,800
107-13-1 Acrylonitrile	275,018,863	4,401	275,023,264
75-65-0 tert-Butyl alcohol	145,224,724	182,400	145,407,124
107-21-1 Ethylene glycol	104,475,402	6,411,341	110,886,742
74-85-1 Ethylene	104,284,949	0	104,284,949
75-09-2 Dichloromethane	84,609,047	6,480,529	91,089,576
1330-20-7 Xylene (mixed isomers)	78,466,100	5,979,462	84,445,562
-- Nitrate compounds	69,015,153	76,060	69,091,213
107-06-2 1,2-Dichloroethane	55,946,456	2,655,093	58,601,549
7664-41-7 Ammonia	57,445,335	97,384	57,542,719
7647-01-0 Hydrochloric acid	53,648,654	0	53,648,654
115-07-1 Propylene	52,466,506	0	52,466,506
108-95-2 Phenol	45,578,458	105,896	45,684,354
79-00-5 1,1,2-Trichloroethane	37,964,047	3,350,504	41,314,551
71-43-2 Benzene	40,873,155	47,119	40,920,274
74-90-8 Hydrogen cyanide	40,464,761	0	40,464,761
108-10-1 Methyl isobutyl ketone	32,353,928	3,806,815	36,160,743
Subtotal for Top 20 Chemicals	2,783,679,575	46,742,178	2,830,421,753
Total for all TRI Chemicals	3,162,924,771	99,767,737	3,262,692,508

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Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Primary Metals (NAICS 331)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
-- Zinc compounds	28,868,471	269,908,304	298,776,774
7440-50-8 Copper	130,523,548	100,442,226	230,965,774
7782-50-5 Chlorine	202,591,662	116	202,591,778
-- Lead compounds	106,812,052	50,437,325	157,249,377
-- Copper compounds	69,009,254	43,544,644	112,553,898
7550-45-0 Titanium tetrachloride	70,911,926	0	70,911,926
-- Chromium compounds	53,121,596	11,828,255	64,949,850
-- Manganese compounds	15,734,887	33,524,557	49,259,444
79-01-6 Trichloroethylene	48,255,201	199,735	48,454,936
-- Nickel compounds	25,916,407	10,920,166	36,836,573
7439-92-1 Lead	31,099,380	4,571,456	35,670,836
7647-01-0 Hydrochloric acid	33,110,889	1,680,916	34,791,805
7439-96-5 Manganese	18,783,418	13,785,607	32,569,025
7440-47-3 Chromium	4,190,429	19,334,859	23,525,288
107-21-1 Ethylene glycol	22,325,580	18,865	22,344,445
127-18-4 Tetrachloroethylene	22,000,000	31,790	22,031,790
7440-02-0 Nickel	3,643,613	16,262,427	19,906,039
108-10-1 Methyl isobutyl ketone	19,542,856	32,731	19,575,587
7429-90-5 Aluminum (fume or dust)	6,694,371	11,652,646	18,347,017
7440-66-6 Zinc (fume or dust)	3,155,267	13,872,557	17,027,824
Subtotal for Top 20 Chemicals	916,290,807	602,049,181	1,518,339,988
Total for all TRI Chemicals	953,659,187	610,214,788	1,563,873,974

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Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Paper Products (NAICS 322)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3 Toluene	32,255,143	1,361,778	33,616,921
110-54-3 n-Hexane	1,774,220	39,005	1,813,225
110-82-7 Cyclohexane	372,209	1	372,210
0049-04-4 Chlorine dioxide	256,243	0	256,243
-- Manganese compounds	0	242,856	242,856
7782-50-5 Chlorine	210,000	0	210,000
-- Barium compounds	0	126,043	126,043
-- Nickel compounds	0	109,570	109,570
7429-90-5 Aluminum (fume or dust)	0	97,180	97,180
67-56-1 Methanol	65,386	9,263	74,649
872-50-4 N-Methyl-2-pyrrolidone	59,270	1,626	60,896
1330-20-7 Xylene (mixed isomers)	30,632	27,863	58,495
-- Zinc compounds	7,357	34,145	41,502
7440-50-8 Copper	0	25,008	25,008
-- Lead compounds	0	19,857	19,857
108-05-4 Vinyl acetate	10,977	3,437	14,414
7664-41-7 Ammonia	12,471	703	13,174
-- Antimony compounds	11,108	0	11,108
1163-19-5 Decabromodiphenyl oxide	9,870	0	9,870
-- Glycol ethers	7,940	30	7,970
Subtotal for Top 20 Chemicals	35,082,826	2,098,365	37,181,191
Total for all TRI Chemicals	35,084,284	2,117,826	37,202,110

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Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Petroleum (NAICS 324)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
1330-20-7 Xylene (mixed isomers)	45,995,960	128,603	46,124,562
107-21-1 Ethylene glycol	16,390,303	17,554,852	33,945,155
108-88-3 Toluene	25,109,761	283,642	25,393,403
91-20-3 Naphthalene	14,036,256	26,813	14,063,069
95-63-6 1,2,4-Trimethylbenzene	12,403,300	45,333	12,448,634
110-54-3 n-Hexane	4,442,851	656,191	5,099,042
110-82-7 Cyclohexane	5,045,796	184	5,045,980
100-41-4 Ethylbenzene	3,731,253	21,663	3,752,916
-- Nickel compounds	17,617	3,108,702	3,126,319
1313-27-5 Molybdenum trioxide	0	2,930,773	2,930,773
71-43-2 Benzene	2,737,727	73,509	2,811,236
7664-41-7 Ammonia	1,975,234	67,915	2,043,149
-- Cobalt compounds	599	1,286,266	1,286,865
111-42-2 Diethanolamine	1,028,817	750	1,029,567
1344-28-1 Aluminum oxide (fibrous forms)	0	777,057	777,057
-- Copper compounds	8,997	738,936	747,933
-- Vanadium compounds	0	656,208	656,208
-- Zinc compounds	2,236	518,263	520,499
1319-77-3 Cresol (mixed isomers)	425,146	76,500	501,646
-- Polycyclic aromatic compounds	231,165	8,114	239,279
Subtotal for Top 20 Chemicals	133,583,019	28,960,272	162,543,291
Total for all TRI Chemicals	134,288,400	29,357,450	163,645,850

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Metal Mining (NAICS 2122)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
-- Zinc compounds	27,247,656	970	27,248,626
-- Nitrate compounds	8,994,504	0	8,994,504
7664-41-7 Ammonia	4,251,314	0	4,251,314
7440-66-6 Zinc (fume or dust)	4,057,147	0	4,057,147
-- Manganese compounds	1,985,968	23,073	2,009,041
-- Lead compounds	1,008,714	613,992	1,622,706
-- Cyanide compounds	1,541,889	0	1,541,889
-- Cadmium compounds	1,492,105	2,302	1,494,407
-- Nickel compounds	133,283	695,000	828,283
-- Copper compounds	562,094	247,445	809,539
7439-96-5 Manganese	137,548	51,789	189,337
-- Mercury compounds	27,704	26,684	54,389
7440-47-3 Chromium	1,420	48,200	49,620
-- Arsenic compounds	18,229	28,032	46,261
-- Vanadium compounds	38,514	0	38,514
107-21-1 Ethylene glycol	0	37,586	37,586
-- Cobalt compounds	27,100	2,700	29,800
-- Chromium compounds	385	25,974	26,359
-- Selenium compounds	18,100	0	18,100
7440-48-4 Cobalt	12,844	0	12,844
Subtotal for Top 20 Chemicals	51,556,518	1,803,746	53,360,265
Total for all TRI Chemicals	51,575,073	1,811,442	53,386,515

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The Chemicals with Largest Total Recycling On-site and Off-site, 2009: Coal Mining (NAICS 2121)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
107-21-1 Ethylene glycol	0	36,193	36,193
7664-41-7 Ammonia	22,991	0	22,991
-- Lead compounds	1,119	0	1,119
-- Zinc compounds	0	18	18
Total for all TRI Chemicals	24,110	36,211	60,321

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Electric Utilities (NAICS 2211)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
-- Vanadium compounds	0	1,512,713	1,512,713
-- Chromium compounds	14,610	1,254,650	1,269,260
-- Nickel compounds	0	801,344	801,344
-- Manganese compounds	32,019	665,085	697,104
7440-39-3 Barium	0	571,055	571,055
-- Barium compounds	46,002	501,614	547,616
-- Copper compounds	0	505,968	505,968
-- Zinc compounds	5,579	364,178	369,757
7782-50-5 Chlorine	0	211,503	211,503
7440-50-8 Copper	0	110,685	110,685
7440-02-0 Nickel	0	70,186	70,186
-- Lead compounds	2,002	41,978	43,980
7664-41-7 Ammonia	0	38,192	38,192
107-21-1 Ethylene glycol	0	33,585	33,585
-- Antimony compounds	0	24,679	24,679
7440-62-2 Vanadium (except when contained in an alloy)	0	22,191	22,191
7439-96-5 Manganese	0	12,353	12,353
7440-66-6 Zinc (fume or dust)	0	9,603	9,603
91-20-3 Naphthalene	0	9,079	9,079
7439-92-1 Lead	0	6,494	6,494
Subtotal for Top 20 Chemicals	100,212	6,767,136	6,867,348
Total for all TRI Chemicals	100,212	6,772,789	6,873,001

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Chemical Wholesale Distributors (NAICS 4246)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
1330-20-7 Xylene (mixed isomers)	975,720	76,001	1,051,721
7440-50-8 Copper	0	684,887	684,887
108-10-1 Methyl isobutyl ketone	394,454	82,863	477,317
108-88-3 Toluene	225,983	164,973	390,956
75-05-8 Acetonitrile	280,453	0	280,453
7782-50-5 Chlorine	228,329	0	228,329
71-36-3 n-Butyl alcohol	146,025	4,762	150,787
76-14-2 Dichlorotetrafluoroethane (CFC-114)	129,610	0	129,610
67-56-1 Methanol	56,464	48,099	104,563
75-09-2 Dichloromethane	71,546	19,000	90,546
75-63-8 Bromotrifluoromethane (Halon 1301)	85,779	0	85,779
121-44-8 Triethylamine	56,726	26	56,752
68-12-2 N,N-Dimethylformamide	46,463	0	46,463
7440-22-4 Silver	0	46,263	46,263
95-63-6 1,2,4-Trimethylbenzene	20,208	4,923	25,131
100-41-4 Ethylbenzene	10,175	14,255	24,430
127-18-4 Tetrachloroethylene	10,576	11,593	22,169
7664-41-7 Ammonia	6,856	12,769	19,625
-- Glycol ethers	4,367	12,297	16,664
7439-92-1 Lead	0	14,702	14,702
Subtotal for Top 20 Chemicals	2,749,734	1,197,413	3,947,147
Total for all TRI Chemicals	2,757,076	1,220,583	3,977,659

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Petroleum Terminals/Bulk Storage (NAICS 4247)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
107-21-1 Ethylene glycol	0	2,452,431	2,452,431
108-88-3 Toluene	578,271	58,166	636,437
1330-20-7 Xylene (mixed isomers)	431,202	54,552	485,754
110-54-3 n-Hexane	452,780	28,232	481,012
71-43-2 Benzene	162,301	15,980	178,281
1634-04-4 Methyl tert-butyl ether	164,185	691	164,876
95-63-6 1,2,4-Trimethylbenzene	142,991	18,500	161,491
100-41-4 Ethylbenzene	93,147	35,559	128,706
110-82-7 Cyclohexane	119,408	3,604	123,012
91-20-3 Naphthalene	22,221	77,936	100,157
-- Polycyclic aromatic compounds	8	17,444	17,452
-- Zinc compounds	0	10,114	10,114
98-82-8 Cumene	2,134	94	2,228
-- Lead compounds	0	1,124	1,124
191-24-2 Benzo(g,h,i)perylene	1	856	858
7439-92-1 Lead	0	840	840
108-38-3 m-Xylene	0	97	97
1336-36-3 Polychlorinated biphenyls (PCBs)	0	42	42
-- Nickel compounds	0	16	16
-- Mercury compounds	0	10	10
Subtotal for Top 20 Chemicals	2,168,648	2,776,287	4,944,935
Total for all TRI Chemicals	2,168,648	2,776,294	4,944,942

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2009: Hazardous Waste/Solvent Recovery (NAICS 562)

CAS Number Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
-- Lead compounds	1	48,152,224	48,152,225
107-21-1 Ethylene glycol	7,091,854	17,913,848	25,005,702
872-50-4 N-Methyl-2-pyrrolidone	11,089,687	2,776,720	13,866,407
108-88-3 Toluene	9,316,455	74,434	9,390,889
1330-20-7 Xylene (mixed isomers)	7,565,588	51,113	7,616,701
127-18-4 Tetrachloroethylene	4,696,972	139,392	4,836,364
75-09-2 Dichloromethane	3,455,739	95,981	3,551,720
7440-50-8 Copper	0	2,937,321	2,937,321
67-56-1 Methanol	1,476,839	20,319	1,497,158
7439-92-1 Lead	1,166,174	325,359	1,491,533
-- Zinc compounds	0	1,214,549	1,214,549
108-10-1 Methyl isobutyl ketone	1,175,118	3,665	1,178,783
-- Nickel compounds	5,179	996,528	1,001,707
110-54-3 n-Hexane	704,403	3,451	707,854
7440-36-0 Antimony	0	697,949	697,949
-- Cadmium compounds	1	673,106	673,107
75-45-6 Chlorodifluoromethane (HCFC-22)	633,863	0	633,863
-- Glycol ethers	478,349	35,098	513,447
79-01-6 Trichloroethylene	487,973	9,425	497,398
100-41-4 Ethylbenzene	326,927	4,049	330,976
Subtotal for Top 20 Chemicals	49,671,121	76,124,531	125,795,652
Total for all TRI Chemicals	50,516,973	76,888,294	127,405,268

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: All Industries

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
67-56-1 Methanol	326,502,052	91,340,418	417,842,469
74-85-1 Ethylene	374,167,323	12,848,473	387,015,796
115-07-1 Propylene	233,045,661	95,265	233,140,927
108-88-3 Toluene	91,901,711	66,856,340	158,758,051
7664-41-7 Ammonia	138,454,334	711,319	139,165,653
1330-20-7 Xylene (mixed isomers)	77,211,060	51,583,195	128,794,255
71-43-2 Benzene	38,000,264	1,241,430	39,241,695
100-41-4 Ethylbenzene	30,140,247	8,820,558	38,960,805
75-00-3 Chloroethane	34,455,844	22,387	34,478,231
75-65-0 tert-Butyl alcohol	31,781,257	2,653,284	34,434,541
110-54-3 n-Hexane	25,165,508	8,917,845	34,083,353
100-42-5 Styrene	21,226,099	10,518,306	31,744,405
75-56-9 Propylene oxide	29,794,527	1,327,721	31,122,248
98-86-2 Acetophenone	26,529,518	216,637	26,746,155
79-10-7 Acrylic acid	22,006,239	2,770,594	24,776,833
110-82-7 Cyclohexane	18,998,733	2,938,740	21,937,473
75-05-8 Acetonitrile	17,135,331	4,317,116	21,452,448
107-06-2 1,2-Dichloroethane	19,397,822	133,286	19,531,108
-- Glycol ethers	7,793,696	10,921,702	18,715,398
71-36-3 n-Butyl alcohol	13,144,393	5,109,194	18,253,586
Subtotal for Top 20 Chemicals	1,576,851,618	283,343,811	1,860,195,429
Total for all TRI Chemicals	1,871,707,282	366,481,506	2,238,188,788

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Manufacturing* Industries

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
67-56-1 Methanol	325,230,947	80,456,367	405,687,314
74-85-1 Ethylene	374,140,323	12,848,473	386,988,796
115-07-1 Propylene	232,775,661	95,265	232,870,927
7664-41-7 Ammonia	138,451,419	711,319	139,162,738
108-88-3 Toluene	90,889,704	42,672,248	133,561,952
1330-20-7 Xylene (mixed isomers)	76,386,986	30,050,016	106,437,001
71-43-2 Benzene	37,862,534	1,123,028	38,985,562
100-41-4 Ethylbenzene	30,060,150	6,020,625	36,080,774
75-00-3 Chloroethane	34,455,844	22,377	34,478,221
75-65-0 tert-Butyl alcohol	31,741,913	2,529,442	34,271,355
110-54-3 n-Hexane	25,025,682	7,211,384	32,237,066
75-56-9 Propylene oxide	29,794,527	1,327,721	31,122,248
100-42-5 Styrene	21,192,211	8,556,177	29,748,388
98-86-2 Acetophenone	26,529,367	216,552	26,745,919
79-10-7 Acrylic acid	22,006,028	2,770,399	24,776,427
110-82-7 Cyclohexane	18,911,427	2,548,511	21,459,938
75-05-8 Acetonitrile	16,866,261	3,634,000	20,500,261
107-06-2 1,2-Dichloroethane	19,382,649	92,218	19,474,867
108-95-2 Phenol	13,612,042	4,301,923	17,913,965
75-01-4 Vinyl chloride	16,805,059	466,955	17,272,014
Subtotal for Top 20 Chemicals	1,582,120,732	207,655,001	1,789,775,733
Total for all TRI Chemicals	1,864,963,983	284,619,005	2,149,582,988

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

* Manufacturing industries include NAICS Codes 31-33.

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Chemicals (NAICS 325)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
74-85-1 Ethylene	188,977,228	12,848,473	201,825,701
67-56-1 Methanol	110,263,074	76,539,002	186,802,076
115-07-1 Propylene	159,447,606	95,052	159,542,658
108-88-3 Toluene	11,995,806	31,357,664	43,353,470
75-00-3 Chloroethane	34,440,164	19,574	34,459,738
75-65-0 tert-Butyl alcohol	31,178,220	2,515,217	33,693,437
75-56-9 Propylene oxide	29,794,527	1,327,720	31,122,247
98-86-2 Acetophenone	26,507,748	216,345	26,724,093
1330-20-7 Xylene (mixed isomers)	1,431,429	24,581,785	26,013,214
100-42-5 Styrene	16,002,740	7,885,500	23,888,240
110-54-3 n-Hexane	15,625,246	6,938,529	22,563,775
71-43-2 Benzene	21,681,836	747,894	22,429,730
100-41-4 Ethylbenzene	15,907,211	5,305,229	21,212,440
110-82-7 Cyclohexane	17,089,580	2,467,817	19,557,397
107-06-2 1,2-Dichloroethane	19,325,536	54,997	19,380,533
79-10-7 Acrylic acid	15,615,628	2,770,399	18,386,027
75-05-8 Acetonitrile	14,279,848	3,030,100	17,309,948
7664-41-7 Ammonia	16,929,280	339,647	17,268,927
75-01-4 Vinyl chloride	16,805,059	650	16,805,709
78-87-5 1,2-Dichloropropane	16,592,896	1,121	16,594,017
Subtotal for Top 20 Chemicals	779,890,661	179,042,714	958,933,376
Total for all TRI Chemicals	951,728,542	243,348,812	1,195,077,354

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Primary Metals (NAICS 331)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
74-85-1 Ethylene	75,627,587	0	75,627,587
71-43-2 Benzene	12,034,142	0	12,034,142
115-07-1 Propylene	5,211,000	0	5,211,000
1330-20-7 Xylene (mixed isomers)	3,259,446	502,179	3,761,625
-- Glycol ethers	3,465,793	131,375	3,597,168
108-88-3 Toluene	2,482,607	279,397	2,762,004
71-36-3 n-Butyl alcohol	1,242,532	109,879	1,352,411
95-63-6 1,2,4-Trimethylbenzene	1,023,248	110,589	1,133,837
107-21-1 Ethylene glycol	981,111	5,263	986,374
100-41-4 Ethylbenzene	594,734	56,311	651,045
106-99-0 1,3-Butadiene	590,000	0	590,000
108-95-2 Phenol	289,201	98,741	387,942
108-10-1 Methyl isobutyl ketone	377,416	7,142	384,558
91-20-3 Naphthalene	213,243	17,851	231,094
1319-77-3 Cresol (mixed isomers)	185,229	42,593	227,822
872-50-4 N-Methyl-2-pyrrolidone	127,149	72,983	200,132
67-56-1 Methanol	101,556	62,011	163,567
108-38-3 m-Xylene	79,740	30,606	110,346
131-11-3 Dimethyl phthalate	47,575	10,937	58,512
105-67-9 2,4-Dimethylphenol	30,430	12,346	42,776
Subtotal for Top 20 Chemicals	107,963,739	1,550,203	109,513,942
Total for all TRI Chemicals	107,983,757	1,583,516	109,567,273

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Paper Products (NAICS 322)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
67-56-1 Methanol	184,022,094	166,865	184,188,959
120-80-9 Catechol	5,908,740	130	5,908,870
108-88-3 Toluene	1,121,303	1,596,214	2,717,517
75-07-0 Acetaldehyde	1,516,278	11	1,516,289
7664-41-7 Ammonia	1,512,121	800	1,512,921
108-95-2 Phenol	1,122,935	8,088	1,131,023
107-21-1 Ethylene glycol	491,897	0	491,897
1330-20-7 Xylene (mixed isomers)	156,466	201,649	358,115
50-00-0 Formaldehyde	345,686	1,659	347,345
1319-77-3 Cresol (mixed isomers)	231,758	0	231,758
-- Polycyclic aromatic compounds	166,456	0	166,456
108-10-1 Methyl isobutyl ketone	77,240	51,367	128,607
110-54-3 n-Hexane	9,488	77,376	86,864
100-41-4 Ethylbenzene	54,543	13,748	68,291
108-05-4 Vinyl acetate	0	24,527	24,527
-- Glycol ethers	11	9,437	9,448
95-63-6 1,2,4-Trimethylbenzene	0	5,583	5,583
141-32-2 Butyl acrylate	0	5,524	5,524
100-42-5 Styrene	3,739	1,728	5,467
7664-93-9 Sulfuric acid	3,400	0	3,400
Subtotal for Top 20 Chemicals	196,744,155	2,164,705	198,908,860
Total for all TRI Chemicals	196,749,238	2,170,459	198,919,697

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Petroleum (NAICS 324)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
7664-41-7 Ammonia	119,686,503	69	119,686,572
74-85-1 Ethylene	100,643,847	0	100,643,847
115-07-1 Propylene	67,547,989	0	67,547,989
75-15-0 Carbon disulfide	7,354,048	16	7,354,064
-- Cyanide compounds	3,422,531	4	3,422,535
110-54-3 n-Hexane	2,456,017	5,885	2,461,903
74-90-8 Hydrogen cyanide	2,158,619	0	2,158,619
71-43-2 Benzene	1,865,660	56,663	1,922,323
108-88-3 Toluene	807,952	473,588	1,281,539
463-58-1 Carbonyl sulfide	1,127,012	0	1,127,012
107-21-1 Ethylene glycol	0	822,595	822,595
67-56-1 Methanol	732,792	20,531	753,323
1330-20-7 Xylene (mixed isomers)	201,795	515,706	717,501
106-99-0 1,3-Butadiene	415,676	2	415,678
100-41-4 Ethylbenzene	183,353	97,689	281,042
1319-77-3 Cresol (mixed isomers)	242,218	156	242,374
111-42-2 Diethanolamine	200,000	0	200,000
95-63-6 1,2,4-Trimethylbenzene	37,638	135,108	172,746
91-20-3 Naphthalene	75,366	30,745	106,111
127-18-4 Tetrachloroethylene	96,068	7,682	103,750
Subtotal for Top 20 Chemicals	309,255,083	2,166,440	311,421,523
Total for all TRI Chemicals	309,441,620	2,241,962	311,683,582

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Metal Mining (NAICS 2122)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
-- Polycyclic aromatic compounds	0	26	26
Total for all TRI Chemicals	0	26	26

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Coal Mining (NAICS 2121)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
Total for all TRI Chemicals	0	0	0

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Electric Utilities (NAICS 2211)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
-- Polycyclic aromatic compounds	446,715	1,154	447,868
91-20-3 Naphthalene	152,696	73	152,769
107-21-1 Ethylene glycol	14,000	0	14,000
191-24-2 Benzo(g,h,i)perylene	3,637	16	3,653
95-63-6 1,2,4-Trimethylbenzene	656	541	1,197
1330-20-7 Xylene (mixed isomers)	800	0	800
100-41-4 Ethylbenzene	410	5	415
110-54-3 n-Hexane	320	0	320
Total for all TRI Chemicals	619,234	1,788	621,022

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Chemical Wholesale Distributors (NAICS 4246)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
108-88-3 Toluene	0	1,020,250	1,020,250
1330-20-7 Xylene (mixed isomers)	0	596,460	596,460
67-56-1 Methanol	0	505,976	505,976
-- Glycol ethers	0	287,168	287,168
108-10-1 Methyl isobutyl ketone	0	105,392	105,392
107-21-1 Ethylene glycol	0	104,192	104,192
100-42-5 Styrene	0	83,250	83,250
95-63-6 1,2,4-Trimethylbenzene	0	74,912	74,912
75-09-2 Dichloromethane	0	74,587	74,587
71-36-3 n-Butyl alcohol	0	64,593	64,593
110-54-3 n-Hexane	0	47,892	47,892
121-44-8 Triethylamine	0	47,851	47,851
68-12-2 N,N-Dimethylformamide	0	30,397	30,397
100-41-4 Ethylbenzene	0	29,659	29,659
67-66-3 Chloroform	0	20,128	20,128
872-50-4 N-Methyl-2-pyrrolidone	0	14,655	14,655
75-05-8 Acetonitrile	0	11,870	11,870
79-01-6 Trichloroethylene	0	9,778	9,778
111-42-2 Diethanolamine	0	6,315	6,315
78-92-2 sec-Butyl alcohol	0	4,513	4,513
Subtotal for Top 20 Chemicals	0	3,139,836	3,139,836
Total for all TRI Chemicals	0	3,164,962	3,164,962

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Petroleum Terminals/Bulk Storage (NAICS 4247)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
115-07-1 Propylene	270,000	0	270,000
95-63-6 1,2,4-Trimethylbenzene	0	98,145	98,145
100-41-4 Ethylbenzene	0	65,483	65,483
108-88-3 Toluene	0	64,392	64,392
1330-20-7 Xylene (mixed isomers)	0	40,558	40,558
74-85-1 Ethylene	27,000	0	27,000
91-20-3 Naphthalene	0	10,611	10,611
110-54-3 n-Hexane	500	7,532	8,032
71-43-2 Benzene	0	6,409	6,409
-- Polycyclic aromatic compounds	0	3,641	3,641
110-82-7 Cyclohexane	0	2,516	2,516
92-52-4 Biphenyl	0	1,593	1,593
107-21-1 Ethylene glycol	0	828	828
67-56-1 Methanol	0	180	180
191-24-2 Benzo(g,h,i)perylene	0	176	176
71-36-3 n-Butyl alcohol	0	143	143
85-01-8 Phenanthrene	0	122	122
7439-92-1 Lead	0	118	118
1634-04-4 Methyl tert-butyl ether	0	38	38
98-82-8 Cumene	0	23	23
Subtotal for Top 20 Chemicals	297,500	302,511	600,011
Total for all TRI Chemicals	297,500	302,518	600,018

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2009: Hazardous Waste/Solvent Recovery (NAICS 562)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
108-88-3 Toluene	1,012,007	23,092,978	24,104,985
1330-20-7 Xylene (mixed isomers)	823,275	20,891,453	21,714,728
67-56-1 Methanol	1,271,105	10,377,895	11,649,000
100-41-4 Ethylbenzene	79,688	2,703,595	2,783,283
127-18-4 Tetrachloroethylene	0	2,329,584	2,329,584
95-63-6 1,2,4-Trimethylbenzene	12,223	2,207,486	2,219,708
108-10-1 Methyl isobutyl ketone	282,726	1,855,542	2,138,268
100-42-5 Styrene	33,888	1,878,879	1,912,767
110-54-3 n-Hexane	139,005	1,651,031	1,790,036
75-09-2 Dichloromethane	142,563	1,537,538	1,680,101
-- Glycol ethers	20,208	1,518,125	1,538,333
71-36-3 n-Butyl alcohol	135,800	1,154,099	1,289,900
107-21-1 Ethylene glycol	54,003	1,155,652	1,209,655
75-05-8 Acetonitrile	269,070	671,247	940,317
68-12-2 N,N-Dimethylformamide	312,287	517,209	829,496
872-50-4 N-Methyl-2-pyrrolidone	15,539	713,179	728,718
79-01-6 Trichloroethylene	53,774	446,793	500,567
110-82-7 Cyclohexane	87,306	383,993	471,300
8001-58-9 Creosote	5,475	401,469	406,944
96-33-3 Methyl acrylate	74	291,200	291,274
Subtotal for Top 20 Chemicals	4,750,017	75,778,946	80,528,962
Total for all TRI Chemicals	5,826,565	78,168,960	83,995,525

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: All Industries

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0 Hydrochloric acid	1,084,198,517	407,520	1,084,606,036
67-56-1 Methanol	994,065,376	72,830,649	1,066,896,026
7664-41-7 Ammonia	629,611,398	10,367,879	639,979,277
7664-93-9 Sulfuric acid	594,590,462	49,788	594,640,250
74-85-1 Ethylene	494,063,455	16,236,720	510,300,175
-- Nitrate compounds	197,691,696	99,259,238	296,950,933
115-07-1 Propylene	286,187,783	8,511,016	294,698,800
7697-37-2 Nitric acid	233,711,099	12,524,803	246,235,902
7782-50-5 Chlorine	182,451,450	35,860	182,487,310
7664-39-3 Hydrogen fluoride	174,121,607	2,750,845	176,872,452
108-88-3 Toluene	148,419,078	17,884,534	166,303,613
107-06-2 1,2-Dichloroethane	103,349,321	2,172,372	105,521,692
64-18-6 Formic acid	103,640,871	625,700	104,266,571
463-58-1 Carbonyl sulfide	91,339,439	0	91,339,439
110-54-3 n-Hexane	70,317,191	6,376,568	76,693,760
107-21-1 Ethylene glycol	50,333,536	21,539,067	71,872,602
1330-20-7 Xylene (mixed isomers)	59,365,617	11,398,647	70,764,264
50-00-0 Formaldehyde	52,072,620	4,029,857	56,102,477
75-15-0 Carbon disulfide	53,910,687	41,045	53,951,732
71-43-2 Benzene	45,218,544	3,161,275	48,379,818
Subtotal for Top 20 Chemicals	5,648,659,746	290,203,382	5,938,863,129
Total for all TRI Chemicals	6,637,559,513	421,116,297	7,058,675,810

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Manufacturing* Industries

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
67-56-1 Methanol	975,246,409	72,101,934	1,047,348,343
7647-01-0 Hydrochloric acid	726,765,475	407,520	727,172,995
74-85-1 Ethylene	492,961,661	16,236,720	509,198,381
7664-41-7 Ammonia	457,122,366	10,301,723	467,424,089
-- Nitrate compounds	196,542,707	96,865,202	293,407,910
115-07-1 Propylene	284,871,219	8,511,010	293,382,229
7697-37-2 Nitric acid	217,221,647	12,511,230	229,732,878
7782-50-5 Chlorine	181,935,405	34,481	181,969,886
108-88-3 Toluene	126,724,723	16,631,899	143,356,622
7664-39-3 Hydrogen fluoride	110,709,184	2,749,574	113,458,758
107-06-2 1,2-Dichloroethane	102,266,066	2,083,279	104,349,344
64-18-6 Formic acid	102,340,845	623,328	102,964,173
463-58-1 Carbonyl sulfide	83,362,761	0	83,362,761
110-54-3 n-Hexane	64,066,636	6,024,891	70,091,527
107-21-1 Ethylene glycol	47,193,130	20,654,233	67,847,363
1330-20-7 Xylene (mixed isomers)	47,696,157	10,032,390	57,728,547
50-00-0 Formaldehyde	50,796,446	3,994,619	54,791,064
75-15-0 Carbon disulfide	53,577,176	40,453	53,617,629
7664-93-9 Sulfuric acid	45,019,196	49,538	45,068,734
71-43-2 Benzene	40,925,431	3,120,428	44,045,858
Subtotal for Top 20 Chemicals	4,407,344,639	282,974,452	4,690,319,091
Total for all TRI Chemicals	5,283,044,078	406,422,073	5,689,466,152

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/riprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

* Manufacturing industries include NAICS Codes 31-33.

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Chemicals (NAICS 325)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0 Hydrochloric acid	682,834,425	33,997	682,868,422
74-85-1 Ethylene	461,057,945	15,984,122	477,042,067
7664-41-7 Ammonia	234,422,597	3,773,799	238,196,396
115-07-1 Propylene	230,730,591	2,832,789	233,563,380
67-56-1 Methanol	143,237,528	40,636,545	183,874,074
7782-50-5 Chlorine	146,771,695	7,733	146,779,427
-- Nitrate compounds	48,345,260	39,861,844	88,207,104
107-06-2 1,2-Dichloroethane	81,570,396	2,074,939	83,645,335
7697-37-2 Nitric acid	77,682,250	2,850,390	80,532,640
108-88-3 Toluene	39,636,580	14,592,601	54,229,181
107-21-1 Ethylene glycol	38,411,055	15,387,826	53,798,881
50-00-0 Formaldehyde	39,865,912	3,744,315	43,610,227
110-54-3 n-Hexane	41,237,627	2,334,646	43,572,273
7550-45-0 Titanium tetrachloride	40,017,362	317,734	40,335,096
64-18-6 Formic acid	38,240,912	548,444	38,789,356
106-99-0 1,3-Butadiene	37,903,905	523,617	38,427,523
79-10-7 Acrylic acid	32,066,843	3,179,552	35,246,394
79-00-5 1,1,2-Trichloroethane	34,055,720	1,164,499	35,220,220
108-31-6 Maleic anhydride	30,681,561	732,268	31,413,829
71-43-2 Benzene	28,236,510	2,331,271	30,567,782
Subtotal for Top 20 Chemicals	2,507,006,673	152,912,933	2,659,919,607
Total for all TRI Chemicals	3,098,385,024	250,461,030	3,348,846,055

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Primary Metals (NAICS 331)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-39-3 Hydrogen fluoride	67,628,043	401,545	68,029,588
7697-37-2 Nitric acid	57,342,389	966,952	58,309,341
7782-50-5 Chlorine	27,504,991	250	27,505,241
7647-01-0 Hydrochloric acid	18,122,234	369,434	18,491,668
7664-41-7 Ammonia	9,873,172	177,108	10,050,280
-- Nitrate compounds	2,885,550	6,224,762	9,110,312
67-56-1 Methanol	2,089,947	2,664,658	4,754,605
108-95-2 Phenol	4,204,862	97,490	4,302,352
1330-20-7 Xylene (mixed isomers)	3,794,898	161,145	3,956,043
74-85-1 Ethylene	3,067,423	250,000	3,317,423
7429-90-5 Aluminum (fume or dust)	308,792	2,252,346	2,561,138
7632-00-0 Sodium nitrite	2,320,779	84,609	2,405,388
-- Polycyclic aromatic compounds	2,107,650	7,301	2,114,951
74-90-8 Hydrogen cyanide	1,910,050	0	1,910,050
71-43-2 Benzene	1,208,156	360	1,208,516
-- Cyanide compounds	1,149,324	9,454	1,158,778
100-42-5 Styrene	866,374	524	866,898
872-50-4 N-Methyl-2-pyrrolidone	837,215	1,013	838,228
7664-93-9 Sulfuric acid	762,415	48,285	810,700
108-88-3 Toluene	598,941	172,362	771,303
Subtotal for Top 20 Chemicals	208,583,205	13,889,598	222,472,803
Total for all TRI Chemicals	215,032,293	14,711,932	229,744,225

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/riprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Paper Products (NAICS 322)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
67-56-1 Methanol	813,334,579	25,470,939	838,805,518
64-18-6 Formic acid	62,732,285	2,498	62,734,783
0049-04-4 Chlorine dioxide	31,093,567	14,122	31,107,689
108-88-3 Toluene	23,951,038	618,134	24,569,172
7664-41-7 Ammonia	13,622,979	24,100	13,647,079
7647-01-0 Hydrochloric acid	8,481,693	0	8,481,693
75-07-0 Acetaldehyde	7,544,424	70,207	7,614,631
7782-50-5 Chlorine	6,689,769	23,300	6,713,069
7664-93-9 Sulfuric acid	3,230,418	0	3,230,418
50-00-0 Formaldehyde	2,657,155	74,208	2,731,363
108-95-2 Phenol	2,453,736	15,072	2,468,808
1330-20-7 Xylene (mixed isomers)	2,073,781	68,490	2,142,271
120-80-9 Catechol	1,364,966	7,242	1,372,208
110-54-3 n-Hexane	1,325,984	11,054	1,337,038
-- Nitrate compounds	1,196,904	19,061	1,215,965
1319-77-3 Cresol (mixed isomers)	476,704	4,216	480,920
7697-37-2 Nitric acid	347,235	0	347,235
-- Glycol ethers	244,401	88,052	332,453
108-05-4 Vinyl acetate	285,900	3,548	289,448
100-41-4 Ethylbenzene	223,711	4,853	228,564
Subtotal for Top 20 Chemicals	983,331,230	26,519,097	1,009,850,326
Total for all TRI Chemicals	984,396,994	26,738,843	1,011,135,836

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/riprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Petroleum (NAICS 324)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-41-7 Ammonia	168,447,917	658,415	169,106,332
463-58-1 Carbonyl sulfide	61,208,934	0	61,208,934
115-07-1 Propylene	53,902,878	5,660,221	59,563,099
74-85-1 Ethylene	27,743,180	2,598	27,745,779
108-88-3 Toluene	26,223,176	481,642	26,704,818
110-54-3 n-Hexane	18,598,060	3,583,612	22,181,672
75-15-0 Carbon disulfide	21,681,092	1,084	21,682,175
1330-20-7 Xylene (mixed isomers)	14,785,833	289,567	15,075,401
71-43-2 Benzene	10,976,315	785,800	11,762,114
7664-39-3 Hydrogen fluoride	10,807,500	127	10,807,627
108-95-2 Phenol	5,964,064	859,756	6,823,820
7664-93-9 Sulfuric acid	5,549,883	88	5,549,971
110-82-7 Cyclohexane	5,206,776	16,031	5,222,806
67-56-1 Methanol	3,883,114	750,267	4,633,381
111-42-2 Diethanolamine	2,343,307	1,429,737	3,773,044
7647-01-0 Hydrochloric acid	3,765,131	1,752	3,766,883
100-41-4 Ethylbenzene	3,140,003	121,925	3,261,928
95-63-6 1,2,4-Trimethylbenzene	2,039,960	666,151	2,706,111
1319-77-3 Cresol (mixed isomers)	2,320,365	214,305	2,534,670
91-20-3 Naphthalene	2,381,487	33,392	2,414,879
Subtotal for Top 20 Chemicals	450,968,973	15,556,470	466,525,443
Total for all TRI Chemicals	460,086,444	16,222,170	476,308,614

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The Chemicals with Largest Total Treated On-site and Off-site, 2009: Metal Mining (NAICS 2122)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-93-9 Sulfuric acid	75,969,151	0	75,969,151
-- Cyanide compounds	7,659,275	2	7,659,277
7632-00-0 Sodium nitrite	1,367,000	0	1,367,000
-- Nitrate compounds	237,531	9	237,540
74-90-8 Hydrogen cyanide	79,000	0	79,000
7782-50-5 Chlorine	58,239	0	58,239
7697-37-2 Nitric acid	48,284	0	48,284
7664-41-7 Ammonia	37,802	504	38,305
7664-39-3 Hydrogen fluoride	3,543	0	3,543
71-43-2 Benzene	0	750	750
1319-77-3 Cresol (mixed isomers)	0	545	545
91-20-3 Naphthalene	0	250	250
100-41-4 Ethylbenzene	0	250	250
1330-20-7 Xylene (mixed isomers)	0	65	65
108-88-3 Toluene	0	47	47
Total for all TRI Chemicals	85,459,825	2,422	85,462,246

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The Chemicals with Largest Total Treated On-site and Off-site, 2009: Coal Mining (NAICS 2121)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0 Hydrochloric acid	254,937	0	254,937
7664-93-9 Sulfuric acid	13,094	0	13,094
Total for all TRI Chemicals	268,031	0	268,031

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The Chemicals with Largest Total Treated On-site and Off-site, 2009: Electric Utilities (NAICS 2211)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-93-9 Sulfuric acid	471,667,755	0	471,667,755
7647-01-0 Hydrochloric acid	347,136,723	0	347,136,723
7664-41-7 Ammonia	171,301,184	3,018	171,304,202
7664-39-3 Hydrogen fluoride	59,051,691	0	59,051,691
463-58-1 Carbonyl sulfide	7,976,678	0	7,976,678
-- Polycyclic aromatic compounds	397,032	6	397,038
7782-50-5 Chlorine	283,006	0	283,006
-- Nitrate compounds	98,344	0	98,344
107-21-1 Ethylene glycol	44,604	3,215	47,819
7632-00-0 Sodium nitrite	29,036	0	29,036
91-20-3 Naphthalene	27,212	465	27,678
110-54-3 n-Hexane	26,929	6	26,935
95-63-6 1,2,4-Trimethylbenzene	26,929	0	26,929
-- Barium compounds	16,187	528	16,715
191-24-2 Benzo(g,h,i)perylene	3,250	1	3,251
1336-36-3 Polychlorinated biphenyls (PCBs)	11	36	47
1330-20-7 Xylene (mixed isomers)	0	2	2
71-43-2 Benzene	0	1	1
108-88-3 Toluene	0	1	1
110-82-7 Cyclohexane	0	1	1
Subtotal for Top 20 Chemicals	1,058,086,571	7,280	1,058,093,851
Total for all TRI Chemicals	1,058,086,571	7,280	1,058,093,852

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

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The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Chemical Wholesale Distributors (NAICS 4246)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-41-7 Ammonia	551,236	21,819	573,055
7647-01-0 Hydrochloric acid	402,213	0	402,213
108-88-3 Toluene	3,015	124,764	127,779
67-56-1 Methanol	3,621	111,917	115,538
106-99-0 1,3-Butadiene	110,000	0	110,000
1330-20-7 Xylene (mixed isomers)	321	107,689	108,009
115-07-1 Propylene	88,543	0	88,543
7697-37-2 Nitric acid	56,600	980	57,580
107-21-1 Ethylene glycol	74	40,672	40,746
108-10-1 Methyl isobutyl ketone	72	34,511	34,583
7664-93-9 Sulfuric acid	33,030	250	33,280
-- Glycol ethers	347	31,718	32,065
7664-39-3 Hydrogen fluoride	22,835	61	22,896
111-42-2 Diethanolamine	77	21,211	21,288
7782-50-5 Chlorine	19,292	151	19,443
127-18-4 Tetrachloroethylene	0	14,635	14,635
75-09-2 Dichloromethane	805	12,407	13,212
71-36-3 n-Butyl alcohol	7	13,050	13,057
79-01-6 Trichloroethylene	2	11,578	11,580
110-54-3 n-Hexane	3,556	7,031	10,587
Subtotal for Top 20 Chemicals	1,295,646	554,444	1,850,090
Total for all TRI Chemicals	1,305,366	597,962	1,903,329

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

11/28/10

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Petroleum Terminals/Bulk Storage (NAICS 4247)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
110-54-3 n-Hexane	1,333,531	31,136	1,364,667
108-88-3 Toluene	1,339,868	23,415	1,363,283
115-07-1 Propylene	1,228,022	6	1,228,028
74-85-1 Ethylene	1,101,794	0	1,101,794
71-43-2 Benzene	892,408	11,204	903,612
1330-20-7 Xylene (mixed isomers)	774,661	19,970	794,631
106-99-0 1,3-Butadiene	390,912	0	390,912
95-63-6 1,2,4-Trimethylbenzene	297,234	11,104	308,337
100-41-4 Ethylbenzene	189,787	4,075	193,863
110-82-7 Cyclohexane	184,835	4,968	189,803
91-20-3 Naphthalene	35,756	2,944	38,700
106-42-3 p-Xylene	23,000	50	23,050
67-56-1 Methanol	6,470	5,886	12,356
107-21-1 Ethylene glycol	0	5,088	5,088
98-82-8 Cumene	4,253	777	5,030
77-73-6 Dicyclopentadiene	0	1,880	1,880
78-92-2 sec-Butyl alcohol	0	656	656
542-75-6 1,3-Dichloropropylene	0	554	554
100-42-5 Styrene	520	5	525
108-95-2 Phenol	0	362	362
Subtotal for Top 20 Chemicals	7,803,050	124,081	7,927,131
Total for all TRI Chemicals	7,803,473	124,799	7,928,272

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

11/28/10

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2009: Hazardous Waste/Solvent Recovery (NAICS 562)

CAS Number Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
108-88-3 Toluene	20,349,240	1,103,129	21,452,369
67-56-1 Methanol	18,808,876	597,688	19,406,564
1330-20-7 Xylene (mixed isomers)	10,889,376	1,165,811	12,055,187
7647-01-0 Hydrochloric acid	7,913,276	0	7,913,276
1336-36-3 Polychlorinated biphenyls (PCBs)	5,874,807	275,143	6,149,950
75-09-2 Dichloromethane	3,474,212	1,874,000	5,348,212
110-54-3 n-Hexane	4,886,539	313,481	5,200,020
71-36-3 n-Butyl alcohol	4,984,926	34,201	5,019,127
75-05-8 Acetonitrile	4,633,855	36,885	4,670,740
127-18-4 Tetrachloroethylene	3,647,905	726,677	4,374,582
7664-39-3 Hydrogen fluoride	4,334,354	1,210	4,335,564
108-10-1 Methyl isobutyl ketone	3,960,453	97,820	4,058,274
7697-37-2 Nitric acid	3,983,488	12,572	3,996,060
107-21-1 Ethylene glycol	3,095,656	809,871	3,905,527
108-90-7 Chlorobenzene	2,132,500	1,426,478	3,558,978
71-43-2 Benzene	3,399,642	28,196	3,427,838
100-41-4 Ethylbenzene	3,044,300	165,988	3,210,288
872-50-4 N-Methyl-2-pyrrolidone	2,785,416	337,694	3,123,110
75-21-8 Ethylene oxide	2,894,361	43	2,894,404
-- Nitrate compounds	486,014	2,322,037	2,808,052
Subtotal for Top 20 Chemicals	115,579,196	11,328,927	126,908,122
Total for all TRI Chemicals	186,108,207	13,587,901	199,696,108

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/triprogram/FactorsToConPDF.pdf.

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).