

**Loading VOCs & Throughput** 510054

Ethanol sold as part of a gas recipe are included in the gasoline totals since loading gasoline limits typically include the ethanol portion of the recipe. Emissions are calculated correctly, stack test for gasoline & AP-42 Ch 5.2 for ethanol, and summarized for the gasoline section of the report. Denatured Ethanol is broken out separately only if it's sold by itself.

				Totals	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01	
<b>Truck Loading</b>	<b>VCS 1 CARBON</b>	<b>Denatured Ethanol</b>	Stack Lbs	.24	-	.06	-	-	-	-	.07	-	-	.08	.02	-	
			Fugitive Lbs	3.64	-	.90	-	.05	-	-	1.16	-	-	-	1.24	.29	-
			Total Lbs	3.88	-	.96	-	.05	-	-	1.23	-	-	-	1.32	.31	-
			US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Gallons	245,149	74	68,040	-	2,945	-	-	62,005	31	-	-	88,029	24,025	-
	<b>Distillate</b>	Stack Lbs	6.70	1.10	.46	.58	.57	.54	.47	.49	.48	.56	.55	.51	.41		
		Fugitive Lbs	93.60	6.97	7.08	8.91	8.74	8.28	7.21	7.58	7.44	8.60	8.51	7.87	6.42		
		Total Lbs	100.30	8.07	7.54	9.48	9.31	8.82	7.68	8.07	7.92	9.15	9.06	8.38	6.83		
		US Tons	.05	-	-	-	-	-	-	-	-	-	-	-	-		
		Gallons	227,220,899	20,649,268	19,147,641	21,859,592	19,584,882	17,266,056	14,491,004	15,113,281	15,276,696	19,446,050	21,775,445	22,926,338	19,684,646		
	<b>Gasoline</b>	Stack Lbs	1,079.58	157.75	73.40	69.24	93.20	99.98	103.74	98.11	84.57	79.82	74.05	83.04	62.68		
		Fugitive Lbs	15,090.72	989.84	1,122.71	1,059.09	1,425.71	1,529.41	1,586.84	1,500.82	1,293.69	1,220.91	1,132.69	1,270.21	958.80		
		Total Lbs	16,170.30	1,147.59	1,196.11	1,128.33	1,518.91	1,629.40	1,690.57	1,598.93	1,378.26	1,300.73	1,206.74	1,353.25	1,021.48		
		US Tons	8.09	.57	.60	.56	.76	.81	.85	.80	.69	.65	.60	.68	.51		
		Gallons	150,892,862	9,929,205	11,230,926	10,594,201	14,233,084	15,265,671	15,794,560	14,970,733	12,938,601	12,226,542	11,353,315	12,758,545	9,597,479		
	<b>Control:</b>	Stack Lbs	1,086.52	158.85	73.91	69.81	93.77	100.52	104.20	98.68	85.05	80.37	74.68	83.57	63.10		
		Fugitive Lbs	15,187.96	996.81	1,130.70	1,068.00	1,434.50	1,537.70	1,594.05	1,509.55	1,301.13	1,229.51	1,142.43	1,278.38	965.21		
		Total VOC Lbs	16,274.48	1,155.66	1,204.61	1,137.81	1,528.27	1,638.21	1,698.25	1,608.23	1,386.18	1,309.88	1,217.11	1,361.95	1,028.31		
		US Tons	8.14	.58	.60	.57	.76	.82	.85	.80	.69	.65	.61	.68	.51		
		Gallons	378,358,910	30,578,547	30,446,607	32,453,793	33,820,911	32,531,727	30,285,564	30,146,019	28,215,328	31,672,592	33,216,789	35,708,908	29,282,125		
<b>Transport Mode:</b>	Stack Lbs	1,087	158.85	73.91	69.81	93.77	100.52	104.20	98.68	85.05	80.37	74.68	83.57	63.10			
	Fugitive Lbs	15,188	997	1,131	1,068	1,434	1,538	1,594	1,510	1,301	1,230	1,142	1,278	965			
	Total VOC Lbs	16,274	1,155.66	1,204.61	1,137.81	1,528.27	1,638.21	1,698.25	1,608.23	1,386.18	1,309.88	1,217.11	1,361.95	1,028.31			
	US Tons	8	1	1	1	1	1	1	1	1	1	1	1	1			
	Gallons	378,358,910	30,578,547	30,446,607	32,453,793	33,820,911	32,531,727	30,285,564	30,146,019	28,215,328	31,672,592	33,216,789	35,708,908	29,282,125			
<b>Loading:</b>	Stack Lbs	1,086.52	158.85	73.91	69.81	93.77	100.52	104.20	98.68	85.05	80.37	74.68	83.57	63.10			
	Fugitive Lbs	15,187.96	996.81	1,130.70	1,068.00	1,434.50	1,537.70	1,594.05	1,509.55	1,301.13	1,229.51	1,142.43	1,278.38	965.21			
	Total VOC Lbs	16,274.48	1,155.66	1,204.61	1,137.81	1,528.27	1,638.21	1,698.25	1,608.23	1,386.18	1,309.88	1,217.11	1,361.95	1,028.31			
	US Tons	8.14	.58	.60	.57	.76	.82	.85	.80	.69	.65	.61	.68	.51			
	Gallons	378,358,910	30,578,547	30,446,607	32,453,793	33,820,911	32,531,727	30,285,564	30,146,019	28,215,328	31,672,592	33,216,789	35,708,908	29,282,125			

**Tank VOCs & Throughput - by Tank Type**

		Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
<b>Cone/Flat Roof/Geodome no pan</b>	VOC Lbs	8,365.75	663.59	674.66	776.97	692.68	715.01	670.64	680.55	737.16	704.15	623.87	708.70	717.77
	US Tons	4.18	0.33	0.34	0.39	0.35	0.36	0.34	0.34	0.37	0.35	0.31	0.35	0.36
	Gallons	162,882,745	13,916,368	13,236,622	14,729,906	12,295,753	12,206,114	10,600,155	12,581,068	10,395,870	15,885,289	14,553,002	16,382,229	16,100,369
<b>Horizontal Aboveground</b>	VOC Lbs	403.56	29.92	35.03	36.34	38.62	35.49	39.44	36.77	34.62	30.70	27.98	29.66	28.99
	US Tons	0.20	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
	Gallons	42,630	3,402	3,738	3,192	3,990	3,486	3,486	2,898	3,906	3,402	3,780	4,074	3,276
<b>Internal Floater - Cone/Flat Roof</b>	VOC Lbs	15,681.58	457.98	2,076.86	1,436.00	1,117.76	935.25	977.49	976.61	1,206.86	1,511.48	1,707.04	1,657.62	1,620.63
	US Tons	7.84	0.23	1.04	0.72	0.56	0.47	0.49	0.49	0.60	0.76	0.85	0.83	0.81
	Gallons	69,486,802	4,985,771	7,040,622	5,881,630	6,164,001	6,533,119	5,300,883	5,024,216	4,549,935	5,747,979	6,294,354	6,307,611	5,656,681
<b>Internal Floater - Geodome</b>	VOC Lbs	16,385.05	1,548.44	1,752.45	1,432.97	1,105.10	922.09	958.45	963.35	1,197.70	1,513.95	1,702.63	1,667.89	1,620.03
	US Tons	8.19	0.77	0.88	0.72	0.55	0.46	0.48	0.48	0.60	0.76	0.85	0.83	0.81
	Gallons	224,879,593	13,224,418	17,906,582	18,482,805	19,829,391	22,530,655	18,749,131	20,355,917	19,276,236	21,833,257	15,079,607	21,848,055	15,763,539
<b>Total</b>	VOC Lbs	40,835.94	2,699.93	4,539.00	3,682.28	2,954.16	2,607.84	2,646.02	2,657.28	3,176.34	3,760.28	4,061.52	4,063.87	3,987.42
	VOC US Tons	20.42	1.35	2.27	1.84	1.48	1.30	1.32	1.33	1.59	1.88	2.03	2.03	1.99
	Gallons	457,291,770	32,129,959	38,187,564	39,097,533	38,293,135	41,273,374	34,653,655	37,964,099	34,225,947	43,469,927	35,930,743	44,541,969	37,523,865

**Tank VOCs & Throughput - by Product Stored**

		Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
<b>Clean</b>	VOC Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
	US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gallons	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Denatured Ethanol</b>	VOC Lbs	643.38	44.76	51.04	52.09	57.55	58.02	61.03	61.11	57.19	55.65	50.04	48.58	46.32
	US Tons	0.32	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
	Gallons	14,094,749	905,848	1,077,924	970,006	1,281,685	1,396,781	1,407,667	1,429,781	1,212,439	1,175,021	1,135,273	1,205,383	896,941
<b>Diesel Additive</b>	VOC Lbs	3.34	0.26	0.29	0.30	0.31	0.30	0.30	0.28	0.27	0.27	0.26	0.26	0.24
	US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gallons	25,074	2,226	2,226	2,016	2,268	2,016	1,680	1,428	1,890	2,142	2,562	2,436	2,184
<b>Distillate</b>	VOC Lbs	6,458.63	547.23	545.01	527.26	512.67	516.34	484.62	569.10	541.40	575.18	523.97	574.64	541.21
	US Tons	3.23	0.27	0.27	0.26	0.26	0.26	0.24	0.28	0.27	0.29	0.26	0.29	0.27
	Gallons	260,699,631	20,412,315	21,958,400	24,230,317	20,759,713	19,589,899	16,507,918	20,311,064	15,758,424	26,319,555	23,518,312	26,947,239	24,386,475
<b>Gas Additive</b>	VOC Lbs	400.22	29.66	34.74	36.04	38.31	35.19	39.14	36.49	34.35	30.43	27.72	29.40	28.75
	US Tons	0.20	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
	Gallons	17,556	1,176	1,512	1,176	1,722	1,470	1,806	1,470	2,016	1,260	1,218	1,638	1,092

**Ft. Lauderdale; Fl - Eisenhower**

02/01/2012 to 01/31/2013

**Rolling 12 Month  
Emissions & Throughput Summary**

Marathon Petroleum Company  
Terminal, Transport & Rail  
opsEnvironmental

		Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
Gasoline	VOC Lbs	33,330.37	2,078.02	3,907.92	3,066.59	2,345.32	1,997.99	2,060.93	1,990.30	2,543.13	3,098.75	3,459.53	3,410.99	3,370.90
	US Tons	16.67	1.04	1.95	1.53	1.17	1.00	1.03	1.00	1.27	1.55	1.73	1.71	1.69
	Gallons.	182,454,760	10,808,394	15,147,502	13,894,018	16,247,747	20,283,208	16,734,584	16,220,356	17,251,178	15,971,949	11,273,378	16,385,273	12,237,173
Total	VOC Lbs	40,835.94	2,699.93	4,539.00	3,682.28	2,954.16	2,607.84	2,646.02	2,657.28	3,176.34	3,760.28	4,061.52	4,063.87	3,987.42
	VOC US Tons	20.42	1.35	2.27	1.84	1.48	1.30	1.32	1.33	1.59	1.88	2.03	2.03	1.99
	Gallons	457,291,770	32,129,959	38,187,564	39,097,533	38,293,135	41,273,374	34,653,655	37,964,099	34,225,947	43,469,927	35,930,743	44,541,969	37,523,865

**Tank VOCs & Throughput Detail - by Tank**

			Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01	
10-14 Tank - Covered/Internal Floating	Gasoline	Standing Lbs	4,142.76	396.29	446.71	362.65	276.65	227.87	239.21	239.24	301.76	381.93	434.92	422.24	413.29	
		Working Lbs	54.72	7.61	9.07	3.50	4.12	4.97	4.74	3.83	2.59	3.62	3.63	3.62	3.42	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total VOC Lbs	4,197.48	403.90	455.78	366.15	280.77	232.84	243.95	243.07	304.35	385.55	438.55	425.86	416.71	
		Total VOC/8760	0.48	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.05
		Gallons.	11,321,321	1,574,799	1,876,007	724,435	852,187	1,028,482	980,870	793,092	535,534	749,863	750,584	748,394	707,074	
20-13 Tank - Covered/Internal Floating	Denatured Ethanol	Standing Lbs	590.22	41.34	46.97	48.43	52.72	52.75	55.72	55.72	52.62	51.22	45.76	44.03	42.94	
		Working Lbs	53.16	3.42	4.07	3.66	4.83	5.27	5.31	5.39	4.57	4.43	4.28	4.55	3.38	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total VOC Lbs	643.38	44.76	51.04	52.09	57.55	58.02	61.03	61.11	57.19	55.65	50.04	48.58	46.32	
		Total VOC/8760	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		Gallons.	14,094,749	905,848	1,077,924	970,006	1,281,685	1,396,781	1,407,667	1,429,781	1,212,439	1,175,021	1,135,273	1,205,383	896,941	
35-1 Tank - Cone / Flat / Dome-No Pan	Distillate	Standing Lbs	163.26	23.17	-	-	-	-	-	27.90	24.08	23.09	21.02	21.49	22.51	
		Working Lbs	886.23	120.31	35.22	-	-	-	-	3.45	126.38	162.16	153.78	143.52	141.41	
		Additional Lbs	205.00	-	-	-	-	-	-	-	41.00	41.00	41.00	41.00	41.00	
		Total VOC Lbs	1,254.49	143.48	35.22	-	-	-	-	31.35	191.46	226.25	215.80	206.01	204.92	
		Total VOC/8760	0.14	0.02	0	0	0	0	0	0	0.02	0.03	0.02	0.02	0.02	
		Gallons.	38,392,849	4,023,103	1,049,146	-	-	-	-	89,072	3,411,424	7,159,798	8,085,218	7,193,104	7,381,984	
35-3 Tank - Cone / Flat / Dome-No Pan	Distillate	Standing Lbs	260.09	21.49	24.76	26.70	26.74	24.78	27.13	25.88	22.32	-	19.49	19.92	20.88	
		Working Lbs	1,175.59	128.47	128.62	169.71	169.75	168.77	174.16	178.58	57.53	-	-	-	-	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total VOC Lbs	1,435.68	149.96	153.38	196.41	196.49	193.55	201.29	204.46	79.85	-	19.49	19.92	20.88	
		Total VOC/8760	0.16	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0	0	0	0	
		Gallons.	40,119,284	4,027,464	3,831,634	7,809,784	5,980,532	5,709,737	5,277,995	5,959,828	1,522,310	-	-	-	-	

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			Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01	
<b>35-4 Tank - Covered/Internal Floating</b>	Distillate	Standing Lbs	24.78	1.78	2.00	2.03	2.19	2.18	2.30	2.30	2.18	2.14	1.94	1.89	1.85	
		Working Lbs	87.25	7.54	8.90	7.91	7.74	6.80	4.15	4.90	4.75	7.63	8.93	9.08	8.92	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total VOC Lbs	112.03	9.32	10.90	9.94	9.93	8.98	6.45	7.20	6.93	9.77	10.87	10.97	10.77	
		Total VOC/8760	0.01	0	0	0	0	0	0	0	0	0	0	0	0	
		Gallons.	28,974,401	2,505,124	2,954,166	2,626,838	2,569,818	2,256,387	1,377,741	1,627,852	1,578,083	2,533,264	2,965,634	3,016,171	2,963,323	
<b>35-5 Tank - Cone / Flat / Dome-No Pan</b>	Distillate	Standing Lbs	284.11	21.68	24.99	26.94	26.99	25.01	27.38	26.12	22.54	21.61	19.67	20.11	21.07	
		Working Lbs	1,438.13	68.65	145.85	118.51	89.55	98.58	111.87	147.30	115.97	164.10	96.94	141.15	139.66	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Total VOC Lbs	1,722.24	90.33	170.84	145.45	116.54	123.59	139.25	173.42	138.51	185.71	116.61	161.26	160.73	
		Total VOC/8760	0.20	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02
		Gallons.	43,881,675	2,152,182	4,479,331	3,355,204	2,435,182	2,601,968	2,890,034	3,804,910	3,119,703	5,782,345	2,871,723	5,045,302	5,343,791	
<b>35-7 Tank - Covered/Internal Floating</b>	Gasoline	Standing Lbs	10,371.14	-	1,236.59	1,003.91	765.85	630.77	662.21	662.29	835.32	1,057.28	1,203.96	1,168.86	1,144.10	
		Working Lbs	37.84	-	2.84	3.91	3.66	4.64	3.85	2.94	3.07	3.23	3.62	3.35	2.73	
		Additional Lbs	319.71	-	319.71	-	-	-	-	-	-	-	-	-	-	
		Total VOC Lbs	10,728.69	-	1,559.14	1,007.82	769.51	635.41	666.06	665.23	838.39	1,060.51	1,207.58	1,172.21	1,146.83	
		Total VOC/8760	1.22	0	0.18	0.12	0.09	0.07	0.08	0.08	0.08	0.10	0.12	0.14	0.13	0.13
		Gallons.	15,096,331	-	1,132,525	1,560,351	1,460,311	1,851,469	1,534,605	1,173,491	1,223,879	1,289,831	1,442,863	1,337,663	1,089,343	
<b>35-9 Tank - Cone / Flat / Dome-No Pan</b>	Distillate	Standing Lbs	287.96	21.98	25.33	27.31	27.35	25.35	27.75	26.47	22.84	21.90	19.94	20.38	21.36	
		Working Lbs	1,414.15	118.34	129.99	125.43	142.42	147.22	93.89	105.53	88.19	105.67	121.27	131.53	104.67	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Total VOC Lbs	1,702.11	140.32	155.32	152.74	169.77	172.57	121.64	132.00	111.03	127.57	141.21	151.91	126.03	
		Total VOC/8760	0.19	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.01
		Gallons.	40,408,560	3,709,923	3,872,479	3,551,142	3,872,983	3,885,505	2,425,616	2,725,998	2,333,372	2,937,812	3,592,617	4,136,725	3,364,388	
<b>40-10 Tank - Domed Floating Roof</b>	Distillate	Standing Lbs	13.06	0.94	1.05	1.07	1.15	1.15	1.22	1.22	1.14	1.13	1.03	0.99	0.97	
		Working Lbs	80.59	2.17	8.95	8.14	4.76	4.70	5.79	7.19	2.25	12.05	4.39	10.81	9.39	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Total VOC Lbs	93.65	3.11	10.00	9.21	5.91	5.85	7.01	8.41	3.39	13.18	5.42	11.80	10.36	
		Total VOC/8760	0.01	0	0	0	0	0	0	0	0	0	0	0	0	
		Gallons.	26,964,194	727,430	2,994,601	2,724,398	1,593,214	1,572,721	1,936,605	2,405,275	752,467	4,031,247	1,468,809	3,616,357	3,141,070	
<b>42-8 Tank - Domed Floating Roof</b>	Distillate	Standing Lbs	13.02	0.94	1.05	1.07	1.15	1.15	1.21	1.21	1.14	1.12	1.02	0.99	0.97	
		Working Lbs	125.41	9.77	8.30	12.44	12.88	10.65	7.77	11.05	9.09	11.58	13.55	11.78	6.55	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Total VOC Lbs	138.43	10.71	9.35	13.51	14.03	11.80	8.98	12.26	10.23	12.70	14.57	12.77	7.52	
		Total VOC/8760	0.02	0	0	0	0	0	0	0	0	0	0	0	0	
		Gallons.	41,958,668	3,267,089	2,777,043	4,162,951	4,307,984	3,563,581	2,599,927	3,698,129	3,041,065	3,875,089	4,534,311	3,939,580	2,191,919	

**Ft. Lauderdale; Fl - Eisenhower**

02/01/2012 to 01/31/2013

**Rolling 12 Month  
Emissions & Throughput Summary**

Marathon Petroleum Company  
Terminal, Transport & Rail  
opsEnvironmental

			Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01	
<b>66-11 Tank - Domed Floating Roof</b>	<b>Gasoline</b>	<b>Standing Lbs</b>	<b>2,283.13</b>	218.40	246.19	199.87	152.46	125.58	131.83	131.85	166.30	210.49	239.69	232.70	227.77	
		<b>Working Lbs</b>	<b>66.07</b>	0.60	3.68	3.36	4.89	8.88	6.83	7.86	6.64	6.78	5.81	5.50	5.24	
		<b>Additional Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Total VOC Lbs</b>	<b>2,349.20</b>	219.00	249.87	203.23	157.35	134.46	138.66	139.71	172.94	217.27	245.50	238.20	233.01	
		<b>Total VOC/8760 Gallons.</b>	<b>0.27</b>	<b>0.03</b>	<b>0.03</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.03</b>	<b>0.03</b>	<b>0.03</b>
<b>66-12 Tank - Domed Floating Roof</b>	<b>Gasoline</b>	<b>Standing Lbs</b>	<b>11,312.92</b>	1,082.16	1,219.85	990.33	755.48	622.24	653.24	653.32	824.02	1,042.97	1,187.66	1,153.04	1,128.61	
		<b>Working Lbs</b>	<b>105.27</b>	7.32	8.00	8.80	11.48	10.11	12.01	11.52	10.63	5.22	5.20	8.91	6.07	
		<b>Additional Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Total VOC Lbs</b>	<b>11,418.19</b>	1,089.48	1,227.85	999.13	766.96	632.35	665.25	664.84	834.65	1,048.19	1,192.86	1,161.95	1,134.68	
		<b>Total VOC/8760 Gallons.</b>	<b>1.30</b>	<b>0.12</b>	<b>0.14</b>	<b>0.11</b>	<b>0.09</b>	<b>0.07</b>	<b>0.08</b>	<b>0.08</b>	<b>0.10</b>	<b>0.12</b>	<b>0.14</b>	<b>0.13</b>	<b>0.13</b>	
<b>96-6 Tank - Domed Floating Roof</b>	<b>Gasoline</b>	<b>Standing Lbs</b>	<b>2,273.93</b>	217.52	245.19	199.06	151.85	125.07	131.30	131.31	165.64	209.64	238.73	231.76	226.86	
		<b>Working Lbs</b>	<b>111.65</b>	8.62	10.19	8.83	9.00	12.56	7.25	6.82	10.85	12.97	5.55	11.41	7.60	
		<b>Additional Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Total VOC Lbs</b>	<b>2,385.58</b>	226.14	255.38	207.89	160.85	137.63	138.55	138.13	176.49	222.61	244.28	243.17	234.46	
		<b>Total VOC/8760 Gallons.</b>	<b>0.27</b>	<b>0.03</b>	<b>0.03</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.03</b>	<b>0.03</b>	<b>0.03</b>	<b>0.03</b>
<b>AA-3-1 Tank - Horiz Above Grnd</b>	<b>Gas Additive</b>	<b>Standing Lbs</b>	<b>96.20</b>	7.32	8.41	9.06	9.13	8.47	9.23	8.83	7.68	7.38	6.70	6.84	7.15	
		<b>Working Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Additional Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Total VOC Lbs</b>	<b>96.20</b>	7.32	8.41	9.06	9.13	8.47	9.23	8.83	7.68	7.38	6.70	6.84	7.15	
		<b>Total VOC/8760 Gallons.</b>	<b>0.01</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>AA-8-2 Tank - Horiz Above Grnd</b>	<b>Gas Additive</b>	<b>Standing Lbs</b>	<b>243.73</b>	18.63	21.37	22.96	23.09	21.41	23.30	22.28	19.40	18.68	17.00	17.40	18.21	
		<b>Working Lbs</b>	<b>60.29</b>	3.71	4.96	4.02	6.09	5.31	6.61	5.38	7.27	4.37	4.02	5.16	3.39	
		<b>Additional Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Total VOC Lbs</b>	<b>304.02</b>	22.34	26.33	26.98	29.18	26.72	29.91	27.66	26.67	23.05	21.02	22.56	21.60	
		<b>Total VOC/8760 Gallons.</b>	<b>0.03</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>AA-8-3 Tank - Horiz Above Grnd</b>	<b>Diesel Additive</b>	<b>Standing Lbs</b>	<b>2.24</b>	0.17	0.20	0.21	0.21	0.20	0.22	0.21	0.18	0.17	0.15	0.16	0.16	
		<b>Working Lbs</b>	<b>1.10</b>	0.09	0.09	0.09	0.10	0.10	0.08	0.07	0.09	0.10	0.11	0.10	0.08	
		<b>Additional Lbs</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
		<b>Total VOC Lbs</b>	<b>3.34</b>	0.26	0.29	0.30	0.31	0.30	0.30	0.28	0.27	0.27	0.26	0.26	0.24	
		<b>Total VOC/8760 Gallons.</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
			<b>25,074</b>	2,226	2,226	2,016	2,268	2,016	1,680	1,428	1,890	2,142	2,562	2,436	2,184	

**Ft. Lauderdale; FI - Eisenhower**

02/01/2012 to 01/31/2013

**Rolling 12 Month  
Emissions & Throughput Summary**

Marathon Petroleum Company  
Terminal, Transport & Rail  
opsEnvironmental

			Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01	
T-2 Tank - Cone / Flat / Dome-No Pan	Gasoline	Standing Lbs	1,333.66	99.95	115.32	124.72	126.82	118.59	129.51	124.04	107.86	102.80	92.54	93.81	97.70	
		Working Lbs	917.57	39.55	44.58	157.65	83.06	106.71	78.95	15.28	108.45	61.82	38.22	75.79	107.51	
		Additional Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total VOC Lbs	2,251.23	139.50	159.90	282.37	209.88	225.30	208.46	139.32	216.31	164.62	130.76	169.60	169.60	205.21
		Total VOC/8760	0.26	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02
		Gallons.	80,377	3,696	4,032	13,776	7,056	8,904	6,510	1,260	9,061	5,334	3,444	7,098	10,206	
<b>Total</b>		Standing Lbs	33,696.21	2,173.76	3,665.98	3,046.32	2,399.83	2,012.57	2,122.76	2,140.19	2,577.02	3,153.55	3,551.22	3,456.61	3,396.40	
		Working Lbs	6,615.02	526.17	553.31	635.96	554.33	595.27	523.26	517.09	558.32	565.73	469.30	566.26	550.02	
		Additional Lbs	524.71	-	319.71	-	-	-	-	-	41.00	41.00	41.00	41.00	41.00	
		Total VOC Lbs	40,835.94	2,699.93	4,539.00	3,682.28	2,954.16	2,607.84	2,646.02	2,657.28	3,176.34	3,760.28	4,061.52	4,063.87	3,987.42	
		VOC Lbs / 8760	4.66	0.31	0.52	0.42	0.34	0.30	0.30	0.30	0.36	0.43	0.46	0.46	0.46	
		Gallons	457,291,770	32,129,959	38,187,564	39,097,533	38,293,135	41,273,374	34,653,655	37,964,099	34,225,947	43,469,927	35,930,743	44,541,969	37,523,865	

**Water Systems VOCs & Throughput**

Note (1) Total Throughput Gallons isn't shown because the same gallon could be processed in multiple places, like the OWS and the WAT tank.

			Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
Oil Water Separator		VOC Lbs	1,495.04	47.50	30.00	182.50	161.35	130.00	132.25	293.94	97.50	162.50	97.50	32.50	127.50
		US Tons	0.75	0.02	0.02	0.09	0.08	0.07	0.07	0.15	0.05	0.08	0.05	0.02	0.06
		Gallons.	299,007	9,500	6,000	36,500	32,270	26,000	26,449	58,788	19,500	32,500	19,500	6,500	25,500
WA-20-1		VOC Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
		US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
		Gallons.	247,057	9,500	6,000	36,500	25,820	13,000	19,949	32,788	19,500	32,500	19,500	6,500	25,500
WA-20-2		VOC Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
		US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
		Gallons.	51,950	-	-	-	6,450	13,000	6,500	26,000	-	-	-	-	-
<b>Total</b>		VOC Lbs	1,495.04	47.50	30.00	182.50	161.35	130.00	132.25	293.94	97.50	162.50	97.50	32.50	127.50
		US Tons	0.75	0.02	0.02	0.09	0.08	0.07	0.07	0.15	0.05	0.08	0.05	0.02	0.06
		Note (1)													

**Internal Combustion Engine VOCs & By Products of Combustion & Fuel Use**

Engine Pollutants - Lbs		Total Lbs	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01	
<b>Backup Generator</b>	VOC Lbs	6.07	0.31	0.31	0.31	0.31	0.31	2.68	0.31	0.31	0.31	0.31	0.31	0.31	
	CO Lbs	16.02	0.81	0.81	0.81	0.81	0.81	7.08	0.81	0.81	0.81	0.81	0.81	0.81	
	NOx Lbs	74.37	3.77	3.77	3.77	3.77	3.77	32.86	3.77	3.77	3.77	3.77	3.77	3.77	
<b>475 hp</b>	Aldehyde Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Distillate no. 2 fueled</b>	SOx Lbs	4.89	0.25	0.25	0.25	0.25	0.25	2.16	0.25	0.25	0.25	0.25	0.25	0.25	
	PM Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27	
	PM 2.5 Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27	
<b>0.500 MW</b>	PM 10 Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27	
	CO2 Lbs	2,765.63	140.32	140.32	140.32	140.32	140.32	1,222.13	140.32	140.32	140.32	140.32	140.32	140.32	
	CH4 Lbs	0.11	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	
	N2O Lbs	0.02	-	-	-	-	-	0.01	-	-	-	-	-	-	
	CO2e Lbs	2,765.77	140.33	140.33	140.33	140.33	140.33	1,222.19	140.33	140.33	140.33	140.33	140.33	140.33	
	Diesel Gals	122.20	6.20	6.20	6.20	6.20	6.20	54.00	6.20	6.20	6.20	6.20	6.20	6.20	
	Gasoline Gals	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hrs Run.	26.00	2.00	2.00	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	
	<b>Total</b>	VOC Lbs	6.07	0.31	0.31	0.31	0.31	0.31	2.68	0.31	0.31	0.31	0.31	0.31	0.31
		CO Lbs	16.02	0.81	0.81	0.81	0.81	0.81	7.08	0.81	0.81	0.81	0.81	0.81	0.81
	NOx Lbs	74.37	3.77	3.77	3.77	3.77	3.77	32.86	3.77	3.77	3.77	3.77	3.77	3.77	
	Aldehyde Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SOx Lbs	4.89	0.25	0.25	0.25	0.25	0.25	2.16	0.25	0.25	0.25	0.25	0.25	0.25	
	PM Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27	
	PM 2.5 Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27	
	PM 10 Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27	
	CO2 Lbs	2,765.63	140.32	140.32	140.32	140.32	140.32	1,222.13	140.32	140.32	140.32	140.32	140.32	140.32	
	CH4 Lbs	0.11	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	
	N2O Lbs	0.02	-	-	-	-	-	0.01	-	-	-	-	-	-	
	CO2e Lbs	2,765.77	140.33	140.33	140.33	140.33	140.33	1,222.19	140.33	140.33	140.33	140.33	140.33	140.33	
	Diesel Gals	122.20	6.20	6.20	6.20	6.20	6.20	54.00	6.20	6.20	6.20	6.20	6.20	6.20	
	Gasoline Gals	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hrs Run.	26.00	2.00	2.00	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	

**Ft. Lauderdale; Fl - Eisenhower**

02/01/2012 to 01/31/2013

**Rolling 12 Month  
Emissions & Throughput Summary**

Marathon Petroleum Company  
Terminal, Transport & Rail  
opsEnvironmental

**Facility Fugitive VOCs - excludes trucks, includes valves, couplings, fittings, etc.**

	Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
Terminal Fugitives	VOC Lbs	2,594.56	205.58	219.76	212.67	219.76	212.67	219.76	219.76	212.67	219.76	212.67	219.76
	VOC US Tons.	1.30	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
<b>Total</b>	<b>VOC LBS</b>	<b>2,594.56</b>	<b>205.58</b>	<b>219.76</b>	<b>212.67</b>	<b>219.76</b>	<b>212.67</b>	<b>219.76</b>	<b>219.76</b>	<b>212.67</b>	<b>219.76</b>	<b>212.67</b>	<b>219.76</b>
	<b>VOC U.S. Tons</b>	<b>1.30</b>	<b>0.10</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>

**Facility Wide - VOCs only**

Facility VOC Lbs	Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
<b>Loading</b>	<b>16,274.48</b>	1,155.66	1,204.61	1,137.81	1,528.27	1,638.21	1,698.25	1,608.23	1,386.18	1,309.88	1,217.11	1,361.95	1,028.31
<b>Tanks</b>	<b>40,835.94</b>	2,699.93	4,539.00	3,682.28	2,954.16	2,607.84	2,646.02	2,657.28	3,176.34	3,760.28	4,061.52	4,063.87	3,987.42
<b>Water Systems</b>	<b>1,495.04</b>	47.50	30.00	182.50	161.35	130.00	132.25	293.94	97.50	162.50	97.50	32.50	127.50
<b>Internal Combustion</b>	<b>6.07</b>	0.31	0.31	0.31	0.31	0.31	2.68	0.31	0.31	0.31	0.31	0.31	0.31
<b>Terminal Fugitives</b>	<b>2,594.56</b>	205.58	219.76	212.67	219.76	212.67	219.76	219.76	212.67	219.76	212.67	219.76	219.76
<b>VOC Lbs</b>	<b>61,206.08</b>	<b>4,108.97</b>	<b>5,993.68</b>	<b>5,215.57</b>	<b>4,863.85</b>	<b>4,589.03</b>	<b>4,698.96</b>	<b>4,779.51</b>	<b>4,873.00</b>	<b>5,452.73</b>	<b>5,589.11</b>	<b>5,678.38</b>	<b>5,363.30</b>

Facility VOC US Tons	Total Tons	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
<b>Loading</b>	<b>8.14</b>	0.58	0.60	0.57	0.76	0.82	0.85	0.80	0.69	0.65	0.61	0.68	0.51
<b>Tanks</b>	<b>20.42</b>	1.35	2.27	1.84	1.48	1.30	1.32	1.33	1.59	1.88	2.03	2.03	1.99
<b>Water Systems</b>	<b>0.75</b>	0.02	0.02	0.09	0.08	0.07	0.07	0.15	0.05	0.08	0.05	0.02	0.06
<b>Internal Combustion</b>	<b>-</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Terminal Fugitives</b>	<b>1.30</b>	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
<b>VOC U.S. Tons</b>	<b>30.60</b>	<b>2.05</b>	<b>3.00</b>	<b>2.61</b>	<b>2.43</b>	<b>2.29</b>	<b>2.35</b>	<b>2.39</b>	<b>2.44</b>	<b>2.73</b>	<b>2.79</b>	<b>2.84</b>	<b>2.68</b>



**Facility Wide Pollutants - excluding VOCs**

		Total Lbs	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
Facility Total	CO Lbs	16.02	0.81	0.81	0.81	0.81	0.81	7.08	0.81	0.81	0.81	0.81	0.81	0.81
	NOx Lbs	74.37	3.77	3.77	3.77	3.77	3.77	32.86	3.77	3.77	3.77	3.77	3.77	3.77
	Aldehyde Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
	SO2 Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
	SOx Lbs	4.89	0.25	0.25	0.25	0.25	0.25	2.16	0.25	0.25	0.25	0.25	0.25	0.25
	PM Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27
	PM2.5 Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27
	PM10 Lbs	5.23	0.27	0.27	0.27	0.27	0.27	2.31	0.27	0.27	0.27	0.27	0.27	0.27
	CO2 Lbs	2,765.63	140.32	140.32	140.32	140.32	140.32	1,222.13	140.32	140.32	140.32	140.32	140.32	140.32
	CH4 Lbs	0.11	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01
	N2O Lbs	0.02	-	-	-	-	-	0.01	-	-	-	-	-	-
	CO2e Lbs	2,765.77	140.33	140.33	140.33	140.33	140.33	1,222.19	140.33	140.33	140.33	140.33	140.33	140.33

		Total	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
Facility Total	CO US Tons	0.01	-	-	-	-	-	-	-	-	-	-	-	-
	NOx US Tons	0.04	-	-	-	-	-	0.02	-	-	-	-	-	-
	Aldehyde US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	SO2 US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	SOx US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	PM US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	PM 2.5 US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	PM 10 US Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	CO2 Metric Tons	1.25	0.06	0.06	0.06	0.06	0.06	0.55	0.06	0.06	0.06	0.06	0.06	0.06
	CH4 Metric Tons.	-	-	-	-	-	-	-	-	-	-	-	-	-
	N2O Metric Tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	CO2e Metric Tons	1.25	0.06	0.06	0.06	0.06	0.06	0.55	0.06	0.06	0.06	0.06	0.06	0.06

**Facility Wide Hazardous Air Pollutants**

Source Product		Total LBS	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
From Distillates	Benzene Lbs	1.31	0.11	0.11	0.11	0.10	0.11	0.10	0.12	0.11	0.12	0.11	0.12	0.11
	Ethylbenzene Lbs	2.63	0.22	0.22	0.21	0.21	0.21	0.20	0.23	0.22	0.23	0.21	0.23	0.22
	Hexane Lbs	0.66	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0.05
	Toluene Lbs	17.08	1.45	1.44	1.40	1.36	1.37	1.29	1.50	1.43	1.52	1.39	1.52	1.43
	Trimethylpentane (2,2,4) Lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene Lbs	45.32	3.84	3.82	3.71	3.61	3.63	3.42	3.99	3.79	4.04	3.68	4.03	3.79
	<b>Total HAP Lbs.</b>	<b>67.00</b>	<b>5.67</b>	<b>5.64</b>	<b>5.48</b>	<b>5.33</b>	<b>5.36</b>	<b>5.05</b>	<b>5.89</b>	<b>5.61</b>	<b>5.97</b>	<b>5.44</b>	<b>5.95</b>	<b>5.60</b>
From Gasolines	Benzene Lbs	484.23	31.49	48.40	41.53	38.39	35.85	37.07	37.05	38.22	43.17	44.93	45.30	42.85
	Ethylbenzene Lbs	53.80	3.50	5.38	4.61	4.27	3.98	4.12	4.12	4.25	4.80	4.99	5.03	4.76
	Hexane Lbs	860.86	55.98	86.04	73.83	68.24	63.73	65.91	65.87	67.94	76.74	79.87	80.54	76.17
	Toluene Lbs	699.45	45.48	69.91	59.99	55.45	51.78	53.55	53.52	55.20	62.35	64.89	65.44	61.89
	Trimethylpentane (2,2,4) Lbs	430.43	27.99	43.02	36.91	34.12	31.86	32.95	32.93	33.97	38.37	39.93	40.27	38.09
	Xylene Lbs	269.02	17.49	26.89	23.07	21.33	19.91	20.60	20.58	21.23	23.98	24.96	25.17	23.80
	<b>Total HAP Lbs.</b>	<b>2,797.79</b>	<b>181.93</b>	<b>279.64</b>	<b>239.95</b>	<b>221.79</b>	<b>207.11</b>	<b>214.21</b>	<b>214.07</b>	<b>220.82</b>	<b>249.40</b>	<b>259.57</b>	<b>261.75</b>	<b>247.56</b>
Totals	Benzene	485.55	31.60	48.51	41.64	38.49	35.95	37.17	37.17	38.33	43.28	45.03	45.42	42.96
	Ethylbenzene	56.43	3.72	5.60	4.83	4.47	4.19	4.32	4.35	4.47	5.03	5.21	5.27	4.98
	Hexane	861.51	56.03	86.10	73.88	68.29	63.78	65.96	65.92	68.00	76.80	79.92	80.60	76.23
	Toluene	716.52	46.93	71.35	61.38	56.81	53.15	54.84	55.02	56.63	63.87	66.28	66.96	63.32
	Trimethylpentane(2,2,4)	430.43	27.99	43.02	36.91	34.12	31.86	32.95	32.93	33.97	38.37	39.93	40.27	38.09
	Xylene	314.34	21.33	30.70	26.78	24.93	23.54	24.01	24.57	25.03	28.02	28.64	29.20	27.59
	<b>Total HAP Lbs</b>	<b>2,864.78</b>	<b>187.60</b>	<b>285.28</b>	<b>245.43</b>	<b>227.12</b>	<b>212.48</b>	<b>219.26</b>	<b>219.96</b>	<b>226.43</b>	<b>255.36</b>	<b>265.02</b>	<b>267.70</b>	<b>253.16</b>
Total - HAP Tons		Total TONS	2012 / 02	2012 / 03	2012 / 04	2012 / 05	2012 / 06	2012 / 07	2012 / 08	2012 / 09	2012 / 10	2012 / 11	2012 / 12	2013 / 01
Totals	Benzene	0.24	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	Ethylbenzene	0.03	-	-	-	-	-	-	-	-	-	-	-	-
	Hexane	0.43	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
	Toluene	0.35	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	Trimethylpentane(2,2,4)	0.22	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	Xylene	0.16	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	<b>Total HAP Tons</b>	<b>1.43</b>	<b>0.09</b>	<b>0.14</b>	<b>0.12</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.13</b>	<b>0.13</b>	<b>0.13</b>

**NOTES FOR FACTORS & CALCULATIONS:**

- » **VOCs from controlled loading of Gasoline (truck / barge / rail)** uses the stack test mg/L in effect during loading.  $[\text{ControlEfficiency\_mg/L} * 3.7854 * 2.2046 / 1000 * \text{Thruput-Gas} / 1000]$
- » **VOCs from uncontrolled loading of Gasoline & all truck and rail loading of Distillate, Ethanol, Other Organics** uses AP-42, Ch 5, Jun 2008, Pg 5.2-4 reduced by capture & control efficiency on Pg 5.2-6:  $[(12.46 * \text{Vap.Mol.Wt} * \text{SaturationFactor} * \text{TVP} / \text{BulkLiquidTemp}^{\circ}\text{R}) * (\text{Thruput} / 1000) * ((100 - \text{ControlEff}\%) / 100) * (\text{CaptureEff}\% / 100)]$  where where Capture\_Eff% relates to the truck fugitive rate. 8 mg/l = 99.21%, 9 mg/l = 99.11%(being phased out), 13 mg/l = 98.72%. Derived from  $((1 - (\text{mg/l} / 1014)) / 100)$ , where 1014 is the density of 1 litre of saturated gasoline vapors from EPA-453/R-94-002b U.S. EPA RTP, NC Nov 1994 "Gasoline Distribution Industry (Stage I) - Background Information for Promulgated Standards", Pg A-4. **Uncontrolled barge loading** uses the factors from AP-42, Ch 5.2, Jun 2008, tables 5.2-2 and 5.2-6.
- » **Temperatures and windspeeds** in tank calculations are from the TANKS4 Meteorological tables, using the 30 Year U. S. Monthly Climate Normals 1961-1990, National Climatic Data Center, Asheville, NC.
- » **Truck Fugitives from loading Gasoline** uses fixed rate determined by permit or MACT status. The formula is:  $[\text{FugitiveRate mg/L} * 3.785 / 453.600 * \text{Thruput-Gas} / 1000]$  where the Fugitive Rate is 8 mg/l for MACT facilities and those where the trailers must pass a 1" pressure decay test, 13 mg/l for all other facilities where the trailers must pass a 3" pressure decay test. Some states and permits call for 9 mg/l (rather than 13) based on a study from Radian Corp but the API does not recognize the value.
- » **Truck Fugitives from loading Distillate, Ethanol, and Other Organics** uses AP-42, Ch 5, Jun 2008, Pg 5.2-4 reduced by the capture efficiency.  $[(12.46 * \text{Mol.Wt} * \text{SaturationFactor} * \text{TVP} / \text{BulkLiquidTemp}^{\circ}\text{R}) * (\text{Thruput-NonGas} / 1000) * ((100 - \text{CaptureEff}\%) / 100)]$  where Capture\_Eff% relates to the truck fugitive rate. 8 mg/l = 99.21%, 9 mg/l = 99.11%(being phased out), 13 mg/l = 98.72%. Derived from  $((1 - (\text{mg/l} / 1014)) / 100)$  where 1014 is the density of 1 litre of saturated gasoline vapors from EPA-453/R-94-002b U.S. EPA RTP, NC Nov 1994 "Gasoline Distribution Industry (Stage I) - Background Information for Promulgated Standards", Pg A-4.
- » **By-products of combustion from Combustors, Boilers, Heaters, and Engines.** Reference AP-42 Ch 1.3 Fuel Oil Combustion, May 2010; AP-42 Ch 1.4 Natural Gas Combustion, July 1998; 40 CFR 98 Mandatory Reporting of GHGs; Final Rule, where applicable.
- » **Tank Emissions** are calculated using AP-42 Chapter 7.1, Nov. 2006
- » **Oil / Water Separator emissions:**  $[(\text{Factor in lb/Gal} * \text{Thruput-Water} / 1000)]$  Factors from AP-42, Ch 5, Jan 1995, Pg 5.1-13, Tbl 5.1-2, Fugitive Emission Factors for Petroleum Refineries. Oil / Water Separators.
- » **WAT tank emission factors:** The petroleum is stripped out in the OWS and the contact water is in equilibrium by the time it hits the WAT tanks. This is based on sampling where approximately 50 ppm hydrocarbon was found. (So low that there would be no emissions if left alone.)
  - >> WAT tanks if not sparged use 0 lb/1,000 gal thruput. (equilibrium)
  - >> WAT tanks if sparged and vented to the atmosphere, use 0.42 lb VOC / 1,000 gal water thruput.  
(Sparging removes the remaining hydrocarbons) (50 ppm = (50 lb/1,000,000 lb water) \* (8.3454 lbs water \* 1000 gal)).
  - >> WAT tanks if sparged and vented to VRU use 0.021 lb VOC / 1,000 gal water (95% collection efficiency of the remaining hydrocarbons is assumed).

**NOTES FOR FACTORS & CALCULATIONS - Continued**

**Speciation Notes:**

POLLUTANT	Vapor Weight Percent		
	Ethanol *	Gasolines	Distillates
BENZENE	0.0450%	0.9000 %	0.0200%
ETHYLBENZENE	0.0050%	0.1000%	0.0400%
HEXANE	0.0800%	1.6000%	0.0100%
TOLUENE	0.0650%	1.3000%	0.2600%
TRIMETHYLPENTANE(2,2,4)	0.0400%	0.8000%	0.0000%
XYLENE	0.0250%	0.5000%	0.6900%

\* Ethanol assumed to be denatured with 5% gasoline.

» **Gasoline speciation data** taken from Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards for the MACT regulation Table C-5 (EPA-435/R-94-002a)

» **Distillate speciation data** taken from Karin Ritter (American Petroleum Institute) memo to the Gasoline Distribution MACT Workgroup dated Feb. 2, 1995 containing speciation data submitted by various API member companies.

» **Asphalt speciation data** - As industry accepted HAPs speciation is unavailable, MPC has chosen to reflect HAPs from Asphalt VOCs as the same as for distillates.