

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, January 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,721</b>	<b>1,160</b>	<b>101,086</b>	<b>-</b>	<b>-</b>	<b>103,967</b>	<b>3,354</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,934</b>	<b>8,102</b>	<b>55,267</b>	<b>53</b>	<b>919</b>	<b>70,275</b>	<b>2,267</b>
Natural Gas Liquids .....	5,934	8,102	55,267	53	919	70,275	2,267
Ethane .....	2,049	2,523	7,060	1	0	11,633	375
Propane .....	3,335	134	39,664	1	551	43,685	1,409
Normal Butane .....	445	43	8,120	0	355	8,963	289
Isobutane .....	1	1	118	-	1	121	4
Natural Gasoline .....	104	5,401	306	52	11	5,873	189
<b>Other Liquids</b> .....	<b>202</b>	<b>2,487</b>	<b>13,297</b>	<b>0</b>	<b>221</b>	<b>16,206</b>	<b>523</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	105	709	1,794	-	169	2,777	90
Hydrogen .....	--	--	--	--	--	--	--
Biofuels .....	105	709	1,794	-	169	2,777	90
Fuel Ethanol .....	102	645	1,681	-	140	2,568	83
Biodiesel .....	3	64	113	-	29	209	7
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	20	1,768	8,960	0	27	10,776	348
Naphthas and Lighter .....	10	1,757	8,605	0	0	10,373	335
Kerosene and Light Gas Oils .....	10	11	355	0	27	403	13
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	77	10	2,543	-	24	2,654	86
Reformulated .....	1	-	0	-	1	3	0
Conventional .....	76	10	2,542	-	23	2,651	86
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>1,560</b>	<b>776</b>	<b>70,126</b>	<b>11</b>	<b>6,461</b>	<b>78,935</b>	<b>2,546</b>
Finished Motor Gasoline .....	40	277	21,656	1	683	22,657	731
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	40	277	21,656	1	683	22,657	731
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	16	9	3,801	-	397	4,222	136
Kerosene .....	0	0	27	-	2	30	1
Distillate Fuel Oil .....	484	62	26,934	0	1,564	29,044	937
15 ppm sulfur and under .....	480	0	23,132	0	963	24,575	793
Greater than 15 ppm to 500 ppm sulfur .....	-	33	2,058	-	50	2,140	69
Greater than 500 ppm sulfur .....	4	29	1,745	-	551	2,329	75
Residual Fuel Oil .....	627	-	1,662	-	484	2,773	89
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	-	-	1,853	-	-	1,853	60
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	148	172	1,904	10	268	2,502	81
Waxes .....	80	26	24	-	4	134	4
Petroleum Coke .....	87	144	11,746	-	3,030	15,007	484
Asphalt and Road Oil .....	64	85	512	0	30	690	22
Miscellaneous Products .....	15	1	6	-	0	23	1
<b>Total</b> .....	<b>9,418</b>	<b>12,524</b>	<b>239,777</b>	<b>65</b>	<b>7,600</b>	<b>269,384</b>	<b>8,690</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, February 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,459</b>	<b>1,540</b>	<b>87,236</b>	<b>–</b>	<b>603</b>	<b>90,839</b>	<b>3,244</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,220</b>	<b>7,109</b>	<b>48,248</b>	<b>39</b>	<b>1,912</b>	<b>63,528</b>	<b>2,269</b>
Natural Gas Liquids .....	6,220	7,109	48,248	39	1,912	63,528	2,269
Ethane .....	2,460	2,480	6,247	–	–	11,188	400
Propane .....	3,135	143	33,747	0	843	37,868	1,352
Normal Butane .....	553	47	7,600	1	1,023	9,223	329
Isobutane .....	1	2	268	–	2	272	10
Natural Gasoline .....	70	4,437	386	37	45	4,976	178
<b>Other Liquids</b> .....	<b>357</b>	<b>2,410</b>	<b>11,617</b>	<b>1</b>	<b>373</b>	<b>14,758</b>	<b>527</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	335	601	2,330	1	276	3,544	127
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	335	601	2,330	1	276	3,544	127
Fuel Ethanol .....	335	552	2,289	1	244	3,420	122
Biodiesel .....	0	49	42	1	32	124	4
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	17	1,794	7,821	0	37	9,669	345
Naphthas and Lighter .....	4	1,782	7,427	0	20	9,233	330
Kerosene and Light Gas Oils .....	13	12	394	0	17	436	16
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	4	16	1,466	–	60	1,546	55
Reformulated .....	1	–	0	–	2	3	0
Conventional .....	3	16	1,465	–	58	1,542	55
Aviation Gasoline Blend. Comp. ....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	<b>2,177</b>	<b>653</b>	<b>65,594</b>	<b>13</b>	<b>7,011</b>	<b>75,449</b>	<b>2,695</b>
Finished Motor Gasoline .....	46	273	20,155	0	1,624	22,098	789
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	46	273	20,155	0	1,624	22,098	789
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	22	8	3,743	–	415	4,187	150
Kerosene .....	1	0	383	–	1	386	14
Distillate Fuel Oil .....	774	121	22,481	–	1,358	24,735	883
15 ppm sulfur and under .....	767	0	17,214	–	519	18,500	661
Greater than 15 ppm to 500 ppm sulfur .....	0	28	1,848	–	43	1,920	69
Greater than 500 ppm sulfur .....	7	93	3,419	–	795	4,314	154
Residual Fuel Oil .....	32	–	2,651	–	801	3,484	124
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	235	–	979	–	–	1,214	43
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	198	188	2,049	12	114	2,561	91
Waxes .....	79	26	19	0	4	128	5
Petroleum Coke .....	646	17	12,819	–	2,666	16,147	577
Asphalt and Road Oil .....	126	18	300	1	30	475	17
Miscellaneous Products .....	19	1	15	–	0	35	1
<b>Total</b> .....	<b>10,212</b>	<b>11,712</b>	<b>212,695</b>	<b>53</b>	<b>9,900</b>	<b>244,573</b>	<b>8,735</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, March 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>714</b>	<b>2,881</b>	<b>94,535</b>	<b>–</b>	<b>945</b>	<b>99,075</b>	<b>3,196</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,775</b>	<b>7,011</b>	<b>57,248</b>	<b>58</b>	<b>2,087</b>	<b>72,179</b>	<b>2,328</b>
Natural Gas Liquids .....	5,775	7,011	57,248	58	2,087	72,179	2,328
Ethane .....	2,161	2,110	9,184	–	2	13,457	434
Propane .....	2,912	178	37,788	3	1,046	41,926	1,352
Normal Butane .....	613	64	10,061	1	1,026	11,766	380
Isobutane .....	0	3	143	–	2	149	5
Natural Gasoline .....	89	4,657	72	55	11	4,883	158
<b>Other Liquids</b> .....	<b>147</b>	<b>3,011</b>	<b>13,995</b>	<b>2</b>	<b>509</b>	<b>17,664</b>	<b>570</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	128	794	1,733	1	209	2,864	92
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	128	794	1,733	1	209	2,864	92
Fuel Ethanol .....	103	692	1,732	1	165	2,694	87
Biodiesel .....	25	102	0	–	44	171	6
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	14	2,174	10,078	0	211	12,477	402
Naphthas and Lighter .....	5	2,160	9,886	0	202	12,253	395
Kerosene and Light Gas Oils .....	9	14	192	0	9	224	7
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	5	43	2,184	0	90	2,322	75
Reformulated .....	2	–	0	–	1	3	0
Conventional .....	3	43	2,184	0	89	2,320	75
Aviation Gasoline Blend. Comp. ....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	<b>3,396</b>	<b>899</b>	<b>79,202</b>	<b>23</b>	<b>8,728</b>	<b>92,247</b>	<b>2,976</b>
Finished Motor Gasoline .....	33	325	21,529	1	700	22,588	729
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	33	325	21,529	1	700	22,588	729
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	24	12	4,738	–	730	5,504	178
Kerosene .....	4	0	195	–	2	202	7
Distillate Fuel Oil .....	1,997	183	32,249	–	2,828	37,257	1,202
15 ppm sulfur and under .....	1,347	2	27,875	–	1,617	30,841	995
Greater than 15 ppm to 500 ppm sulfur .....	451	26	2,369	–	483	3,328	107
Greater than 500 ppm sulfur .....	199	155	2,005	–	728	3,087	100
Residual Fuel Oil .....	14	0	2,815	–	1,067	3,896	126
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	–	–	1,297	–	–	1,297	42
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	288	196	2,352	21	574	3,432	111
Waxes .....	77	48	36	0	3	164	5
Petroleum Coke .....	876	64	13,668	–	2,783	17,392	561
Asphalt and Road Oil .....	63	69	260	1	41	433	14
Miscellaneous Products .....	19	2	62	–	0	82	3
<b>Total</b> .....	<b>10,032</b>	<b>13,803</b>	<b>244,979</b>	<b>82</b>	<b>12,269</b>	<b>281,165</b>	<b>9,070</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, April 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,462</b>	<b>2,036</b>	<b>101,643</b>	<b>-</b>	<b>-</b>	<b>105,141</b>	<b>3,505</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>9,721</b>	<b>7,993</b>	<b>53,206</b>	<b>67</b>	<b>1,641</b>	<b>72,627</b>	<b>2,421</b>
Natural Gas Liquids .....	9,721	7,993	53,206	67	1,641	72,627	2,421
Ethane .....	1,867	3,021	5,728	0	0	10,617	354
Propane .....	5,814	100	35,944	1	757	42,617	1,421
Normal Butane .....	1,957	62	11,332	20	859	14,230	474
Isobutane .....	1	3	111	-	1	116	4
Natural Gasoline .....	82	4,806	91	45	23	5,047	168
<b>Other Liquids</b> .....	<b>336</b>	<b>3,339</b>	<b>12,452</b>	<b>4</b>	<b>735</b>	<b>16,867</b>	<b>562</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	140	960	3,733	3	425	5,261	175
Hydrogen .....	--	--	--	--	--	--	--
Biofuels .....	140	960	3,733	3	425	5,261	175
Fuel Ethanol .....	97	756	3,406	0	369	4,628	154
Biodiesel .....	42	204	327	3	56	632	21
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	186	1,822	7,409	0	28	9,446	315
Naphthas and Lighter .....	172	1,808	7,142	0	8	9,130	304
Kerosene and Light Gas Oils .....	14	14	267	0	20	316	11
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	10	557	1,311	1	282	2,161	72
Reformulated .....	0	-	0	-	2	3	0
Conventional .....	10	557	1,310	1	279	2,158	72
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>2,208</b>	<b>1,448</b>	<b>84,056</b>	<b>14</b>	<b>7,587</b>	<b>95,314</b>	<b>3,177</b>
Finished Motor Gasoline .....	51	407	23,414	1	1,112	24,986	833
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	51	407	23,414	1	1,112	24,986	833
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	29	25	5,500	-	606	6,160	205
Kerosene .....	4	1	55	-	2	62	2
Distillate Fuel Oil .....	323	206	36,114	0	1,373	38,015	1,267
15 ppm sulfur and under .....	229	0	30,879	0	881	31,990	1,066
Greater than 15 ppm to 500 ppm sulfur .....	-	35	3,071	-	335	3,441	115
Greater than 500 ppm sulfur .....	94	171	2,163	-	157	2,584	86
Residual Fuel Oil .....	85	-	2,867	-	575	3,527	118
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	187	-	889	-	-	1,076	36
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	237	217	2,334	11	106	2,904	97
Waxes .....	79	45	20	-	4	148	5
Petroleum Coke .....	1,135	529	12,381	-	3,781	17,826	594
Asphalt and Road Oil .....	58	16	453	1	30	557	19
Miscellaneous Products .....	20	2	30	-	0	53	2
<b>Total</b> .....	<b>13,727</b>	<b>14,816</b>	<b>251,357</b>	<b>85</b>	<b>9,963</b>	<b>289,948</b>	<b>9,665</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, May 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>747</b>	<b>1,511</b>	<b>100,214</b>	<b>0</b>	<b>-</b>	<b>102,473</b>	<b>3,306</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>8,439</b>	<b>7,000</b>	<b>58,390</b>	<b>49</b>	<b>2,043</b>	<b>75,921</b>	<b>2,449</b>
Natural Gas Liquids .....	8,439	7,000	58,390	49	2,043	75,921	2,449
Ethane .....	1,769	2,435	7,999	-	0	12,203	394
Propane .....	4,081	164	37,661	-	640	42,546	1,372
Normal Butane .....	2,560	86	12,478	-	1,352	16,476	531
Isobutane .....	1	2	143	-	-	146	5
Natural Gasoline .....	29	4,313	108	49	52	4,551	147
<b>Other Liquids</b> .....	<b>234</b>	<b>3,278</b>	<b>10,431</b>	<b>24</b>	<b>441</b>	<b>14,409</b>	<b>465</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	197	999	2,463	24	330	4,014	129
Hydrogen .....	--	--	--	--	--	--	--
Biofuels .....	197	999	2,463	24	330	4,014	129
Fuel Ethanol .....	126	707	2,255	-	226	3,314	107
Biodiesel .....	71	292	209	24	103	699	23
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	22	2,214	6,875	-	26	9,137	295
Naphthas and Lighter .....	8	2,200	6,480	-	12	8,700	281
Kerosene and Light Gas Oils .....	14	14	394	-	15	436	14
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	15	66	1,093	-	85	1,258	41
Reformulated .....	3	-	1	-	3	7	0
Conventional .....	12	66	1,092	-	82	1,251	40
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>1,388</b>	<b>1,568</b>	<b>86,705</b>	<b>15</b>	<b>8,264</b>	<b>97,939</b>	<b>3,159</b>
Finished Motor Gasoline .....	43	511	26,368	2	900	27,824	898
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	43	511	26,368	2	900	27,824	898
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	21	32	4,061	-	728	4,841	156
Kerosene .....	4	2	143	-	1	150	5
Distillate Fuel Oil .....	251	278	33,325	-	2,774	36,627	1,182
15 ppm sulfur and under .....	10	0	28,153	-	1,900	30,063	970
Greater than 15 ppm to 500 ppm sulfur .....	241	144	2,634	-	329	3,347	108
Greater than 500 ppm sulfur .....	-	135	2,537	-	545	3,217	104
Residual Fuel Oil .....	256	-	3,210	-	557	4,023	130
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	1	-	875	-	21	898	29
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	297	190	2,949	10	243	3,688	119
Waxes .....	102	31	29	0	5	166	5
Petroleum Coke .....	315	508	15,406	-	3,004	19,232	620
Asphalt and Road Oil .....	77	14	289	3	31	414	13
Miscellaneous Products .....	22	1	51	-	0	74	2
<b>Total</b> .....	<b>10,809</b>	<b>13,357</b>	<b>255,740</b>	<b>88</b>	<b>10,748</b>	<b>290,742</b>	<b>9,379</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, June 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>732</b>	<b>3,440</b>	<b>99,454</b>	<b>-</b>	<b>-</b>	<b>103,626</b>	<b>3,454</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>10,546</b>	<b>7,436</b>	<b>59,849</b>	<b>49</b>	<b>1,397</b>	<b>79,278</b>	<b>2,643</b>
Natural Gas Liquids .....	10,546	7,436	59,849	49	1,397	79,278	2,643
Ethane .....	2,319	1,478	9,993	-	2	13,793	460
Propane .....	5,096	134	39,908	3	657	45,798	1,527
Normal Butane .....	3,088	178	9,773	-	713	13,752	458
Isobutane .....	1	2	138	-	0	141	5
Natural Gasoline .....	42	5,644	36	46	25	5,793	193
<b>Other Liquids</b> .....	<b>381</b>	<b>3,948</b>	<b>8,523</b>	<b>15</b>	<b>530</b>	<b>13,396</b>	<b>447</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	157	1,083	1,289	15	405	2,949	98
Hydrogen .....	--	--	--	--	--	--	--
Biofuels .....	157	1,083	1,289	15	405	2,949	98
Fuel Ethanol .....	96	792	1,241	-	231	2,360	79
Biodiesel .....	61	291	49	15	173	589	20
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	209	2,667	3,609	0	15	6,501	217
Naphthas and Lighter .....	197	2,651	3,152	-	3	6,003	200
Kerosene and Light Gas Oils .....	11	16	457	0	12	497	17
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	15	197	3,624	-	110	3,946	132
Reformulated .....	0	-	1	-	-	1	0
Conventional .....	15	197	3,624	-	110	3,945	132
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>2,379</b>	<b>1,871</b>	<b>86,990</b>	<b>14</b>	<b>6,392</b>	<b>97,646</b>	<b>3,255</b>
Finished Motor Gasoline .....	66	508	25,834	1	862	27,270	909
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	66	508	25,834	1	862	27,270	909
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	24	24	5,259	-	479	5,787	193
Kerosene .....	3	1	216	-	-	220	7
Distillate Fuel Oil .....	681	154	33,881	-	1,588	36,304	1,210
15 ppm sulfur and under .....	541	1	28,379	-	1,532	30,452	1,015
Greater than 15 ppm to 500 ppm sulfur .....	1	46	2,753	-	16	2,815	94
Greater than 500 ppm sulfur .....	140	108	2,749	-	40	3,037	101
Residual Fuel Oil .....	526	0	3,042	-	237	3,806	127
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	5	4	1,471	-	-	1,480	49
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	315	219	3,526	10	79	4,150	138
Waxes .....	79	36	17	0	4	136	5
Petroleum Coke .....	570	776	13,417	-	3,117	17,880	596
Asphalt and Road Oil .....	95	147	273	3	24	541	18
Miscellaneous Products .....	16	2	54	-	1	72	2
<b>Total</b> .....	<b>14,038</b>	<b>16,695</b>	<b>254,815</b>	<b>78</b>	<b>8,319</b>	<b>293,946</b>	<b>9,798</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, July 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>3,567</b>	<b>1,259</b>	<b>109,262</b>	<b>-</b>	<b>-</b>	<b>114,088</b>	<b>3,680</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>9,419</b>	<b>7,495</b>	<b>53,636</b>	<b>41</b>	<b>1,923</b>	<b>72,515</b>	<b>2,339</b>
Natural Gas Liquids .....	9,419	7,495	53,636	41	1,923	72,515	2,339
Ethane .....	2,087	1,342	9,433	-	0	12,863	415
Propane .....	4,768	150	35,795	-	1,178	41,891	1,351
Normal Butane .....	2,529	294	8,248	1	742	11,814	381
Isobutane .....	0	4	111	-	2	116	4
Natural Gasoline .....	35	5,705	49	41	1	5,831	188
<b>Other Liquids</b> .....	<b>181</b>	<b>3,982</b>	<b>7,320</b>	<b>25</b>	<b>746</b>	<b>12,254</b>	<b>395</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	160	1,180	1,545	24	330	3,240	105
Hydrogen .....	--	--	--	--	--	--	--
Biofuels .....	160	1,180	1,545	24	330	3,240	105
Fuel Ethanol .....	105	810	1,482	-	219	2,615	84
Biodiesel .....	56	371	63	24	112	625	20
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	19	2,488	4,185	1	209	6,902	223
Naphthas and Lighter .....	8	2,474	3,963	1	206	6,652	215
Kerosene and Light Gas Oils .....	10	13	223	0	3	249	8
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	2	314	1,590	1	207	2,113	68
Reformulated .....	-	-	3	-	1	4	0
Conventional .....	2	314	1,587	1	205	2,109	68
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>2,574</b>	<b>1,565</b>	<b>90,212</b>	<b>14</b>	<b>6,708</b>	<b>101,072</b>	<b>3,260</b>
Finished Motor Gasoline .....	42	537	22,536	1	546	23,662	763
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	42	537	22,536	1	546	23,662	763
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	22	23	5,339	0	823	6,207	200
Kerosene .....	11	1	30	-	0	42	1
Distillate Fuel Oil .....	1,592	103	43,788	-	2,008	47,491	1,532
15 ppm sulfur and under .....	1,343	0	38,398	-	1,726	41,466	1,338
Greater than 15 ppm to 500 ppm sulfur .....	245	16	2,659	-	104	3,024	98
Greater than 500 ppm sulfur .....	4	87	2,731	-	179	3,001	97
Residual Fuel Oil .....	5	1	2,069	-	20	2,096	68
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	282	5	1,004	-	145	1,436	46
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	215	207	3,902	8	274	4,606	149
Waxes .....	81	42	16	-	3	142	5
Petroleum Coke .....	223	565	11,341	0	2,860	14,989	484
Asphalt and Road Oil .....	83	80	139	5	27	334	11
Miscellaneous Products .....	17	1	49	0	0	67	2
<b>Total</b> .....	<b>15,741</b>	<b>14,301</b>	<b>260,430</b>	<b>81</b>	<b>9,377</b>	<b>299,929</b>	<b>9,675</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, August 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>2,899</b>	<b>1,532</b>	<b>106,065</b>	–	–	<b>110,497</b>	<b>3,564</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>9,819</b>	<b>6,759</b>	<b>58,457</b>	<b>13</b>	<b>1,782</b>	<b>76,830</b>	<b>2,478</b>
Natural Gas Liquids .....	9,819	6,759	58,457	13	1,782	76,830	2,478
Ethane .....	2,576	1,145	10,237	–	–	13,958	450
Propane .....	5,454	161	38,735	1	926	45,277	1,461
Normal Butane .....	1,712	139	9,104	–	828	11,784	380
Isobutane .....	–	4	294	–	3	301	10
Natural Gasoline .....	77	5,310	88	12	25	5,512	178
<b>Other Liquids</b> .....	<b>164</b>	<b>4,079</b>	<b>6,133</b>	<b>23</b>	<b>723</b>	<b>11,123</b>	<b>359</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	139	1,277	950	23	356	2,745	89
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	139	1,277	950	23	356	2,745	89
Fuel Ethanol .....	132	931	628	0	223	1,914	62
Biodiesel .....	7	346	323	23	133	831	27
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	21	2,707	3,420	–	189	6,338	204
Naphthas and Lighter .....	8	2,698	2,840	–	176	5,721	185
Kerosene and Light Gas Oils .....	14	9	581	–	13	617	20
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	3	95	1,763	–	178	2,039	66
Reformulated .....	0	–	1	–	–	2	0
Conventional .....	3	95	1,761	–	178	2,038	66
Aviation Gasoline Blend. Comp. .....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	<b>2,421</b>	<b>1,339</b>	<b>92,660</b>	<b>17</b>	<b>7,282</b>	<b>103,721</b>	<b>3,346</b>
Finished Motor Gasoline .....	38	406	28,091	0	608	29,143	940
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	38	406	28,091	0	608	29,143	940
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	17	34	5,579	0	765	6,396	206
Kerosene .....	5	1	254	–	199	458	15
Distillate Fuel Oil .....	470	188	39,501	–	2,028	42,186	1,361
15 ppm sulfur and under .....	451	0	33,980	–	1,263	35,695	1,151
Greater than 15 ppm to 500 ppm sulfur .....	18	28	3,387	–	6	3,440	111
Greater than 500 ppm sulfur .....	1	159	2,133	–	759	3,051	98
Residual Fuel Oil .....	462	8	2,573	–	332	3,375	109
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	7	7	819	–	40	873	28
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	217	201	1,609	13	152	2,192	71
Waxes .....	81	43	24	0	5	153	5
Petroleum Coke .....	995	364	13,651	0	3,133	18,143	585
Asphalt and Road Oil .....	112	87	514	3	21	736	24
Miscellaneous Products .....	18	1	46	–	0	65	2
<b>Total</b> .....	<b>15,304</b>	<b>13,710</b>	<b>263,316</b>	<b>53</b>	<b>9,788</b>	<b>302,170</b>	<b>9,747</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.



**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, September 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>936</b>	<b>2,126</b>	<b>108,407</b>	–	–	<b>111,469</b>	<b>3,716</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>7,726</b>	<b>8,550</b>	<b>53,482</b>	<b>7</b>	<b>1,679</b>	<b>71,444</b>	<b>2,381</b>
Natural Gas Liquids .....	7,726	8,550	53,482	7	1,679	71,444	2,381
Ethane .....	1,855	2,027	7,836	–	2	11,720	391
Propane .....	4,497	192	33,689	1	602	38,982	1,299
Normal Butane .....	1,265	232	11,703	0	1,043	14,244	475
Isobutane .....	2	2	177	–	6	186	6
Natural Gasoline .....	107	6,097	77	6	26	6,313	210
<b>Other Liquids</b> .....	<b>395</b>	<b>3,430</b>	<b>7,933</b>	<b>25</b>	<b>589</b>	<b>12,371</b>	<b>412</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	120	1,165	1,173	15	312	2,785	93
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	120	1,165	1,173	15	312	2,785	93
Fuel Ethanol .....	117	801	990	–	237	2,144	71
Biodiesel .....	3	365	183	15	76	641	21
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	22	2,248	4,890	0	20	7,180	239
Naphthas and Lighter .....	6	2,239	4,722	0	1	6,968	232
Kerosene and Light Gas Oils .....	16	9	168	0	19	212	7
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	253	16	1,870	10	257	2,406	80
Reformulated .....	0	–	1	–	2	3	0
Conventional .....	253	16	1,869	10	255	2,403	80
Aviation Gasoline Blend. Comp. ....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	<b>2,114</b>	<b>937</b>	<b>90,792</b>	<b>13</b>	<b>6,487</b>	<b>100,343</b>	<b>3,345</b>
Finished Motor Gasoline .....	353	241	29,787	1	447	30,829	1,028
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	353	241	29,787	1	447	30,829	1,028
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	9	18	6,018	0	301	6,346	212
Kerosene .....	7	1	364	–	–	372	12
Distillate Fuel Oil .....	711	179	36,661	–	1,724	39,275	1,309
15 ppm sulfur and under .....	694	0	32,997	–	1,072	34,763	1,159
Greater than 15 ppm to 500 ppm sulfur .....	16	22	1,184	–	25	1,247	42
Greater than 500 ppm sulfur .....	1	157	2,481	–	627	3,266	109
Residual Fuel Oil .....	10	1	1,419	–	609	2,040	68
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	162	6	1,323	–	–	1,491	50
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	177	185	1,732	10	109	2,213	74
Waxes .....	81	36	22	–	6	145	5
Petroleum Coke .....	505	183	13,154	0	3,266	17,108	570
Asphalt and Road Oil .....	79	86	274	2	25	464	15
Miscellaneous Products .....	21	0	39	–	0	59	2
<b>Total</b> .....	<b>11,171</b>	<b>15,043</b>	<b>260,614</b>	<b>45</b>	<b>8,755</b>	<b>295,628</b>	<b>9,854</b>

-- = Not Applicable.

– = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, October 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	–	2,545	121,520	–	–	124,064	4,002
<b>Hydrocarbon Gas Liquids</b> .....	6,063	5,460	61,502	11	1,418	74,454	2,402
Natural Gas Liquids .....	6,063	5,460	61,502	11	1,418	74,454	2,402
Ethane .....	1,954	2,097	9,303	–	–	13,354	431
Propane .....	3,709	128	40,012	0	767	44,616	1,439
Normal Butane .....	359	106	11,971	1	623	13,059	421
Isobutane .....	0	2	180	–	3	186	6
Natural Gasoline .....	41	3,127	36	10	25	3,240	105
<b>Other Liquids</b> .....	141	3,110	6,644	14	587	10,496	339
Hydrogen/Biofuels/Other Hydrocarbons .....	122	988	1,127	12	256	2,504	81
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	122	988	1,127	12	256	2,504	81
Fuel Ethanol .....	119	818	877	–	223	2,036	66
Biodiesel .....	3	170	250	12	32	468	15
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	17	2,106	4,208	0	184	6,515	210
Naphthas and Lighter .....	9	2,094	3,879	0	181	6,163	199
Kerosene and Light Gas Oils .....	8	12	328	0	4	352	11
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	2	16	1,309	2	147	1,477	48
Reformulated .....	0	–	1	–	3	4	0
Conventional .....	2	16	1,308	2	145	1,473	48
Aviation Gasoline Blend. Comp. ....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	1,465	926	78,598	17	6,804	87,810	2,833
Finished Motor Gasoline .....	24	271	25,472	–	561	26,328	849
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	24	271	25,472	–	561	26,328	849
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	202	21	3,830	–	369	4,422	143
Kerosene .....	3	1	264	–	0	269	9
Distillate Fuel Oil .....	291	133	29,513	–	1,722	31,660	1,021
15 ppm sulfur and under .....	201	2	24,725	–	1,471	26,399	852
Greater than 15 ppm to 500 ppm sulfur .....	89	15	2,195	–	46	2,344	76
Greater than 500 ppm sulfur .....	1	116	2,594	–	205	2,916	94
Residual Fuel Oil .....	8	–	2,518	–	415	2,942	95
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	4	–	322	–	60	386	12
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	201	180	1,909	15	117	2,422	78
Waxes .....	65	43	17	0	5	131	4
Petroleum Coke .....	559	154	14,604	–	3,527	18,843	608
Asphalt and Road Oil .....	91	121	118	2	26	358	12
Miscellaneous Products .....	17	1	30	–	1	49	2
<b>Total</b> .....	<b>7,669</b>	<b>12,041</b>	<b>268,263</b>	<b>42</b>	<b>8,809</b>	<b>296,824</b>	<b>9,575</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, November 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	–	2,556	120,608	0	–	123,164	4,105
<b>Hydrocarbon Gas Liquids</b> .....	6,151	7,652	55,820	9	1,519	71,152	2,372
Natural Gas Liquids .....	6,151	7,652	55,820	9	1,519	71,152	2,372
Ethane .....	2,326	2,308	8,483	–	–	13,117	437
Propane .....	3,099	104	35,612	0	1,086	39,902	1,330
Normal Butane .....	674	89	11,548	2	402	12,716	424
Isobutane .....	1	2	104	–	4	111	4
Natural Gasoline .....	51	5,148	73	7	27	5,306	177
<b>Other Liquids</b> .....	124	3,285	6,834	1	559	10,803	360
Hydrogen/Biofuels/Other Hydrocarbons .....	94	1,023	687	–	331	2,135	71
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	94	1,023	687	–	331	2,135	71
Fuel Ethanol .....	91	939	615	–	269	1,914	64
Biodiesel .....	3	84	72	–	61	221	7
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	28	2,238	4,482	0	27	6,775	226
Naphthas and Lighter .....	8	2,227	4,205	0	12	6,452	215
Kerosene and Light Gas Oils .....	20	11	277	–	15	323	11
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	2	25	1,664	1	201	1,894	63
Reformulated .....	0	–	2	–	2	3	0
Conventional .....	2	25	1,663	1	199	1,891	63
Aviation Gasoline Blend. Comp. ....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	1,135	605	83,920	16	8,561	94,236	3,141
Finished Motor Gasoline .....	39	255	28,564	1	1,087	29,946	998
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	39	255	28,564	1	1,087	29,946	998
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	18	11	4,232	–	931	5,192	173
Kerosene .....	2	1	39	–	–	42	1
Distillate Fuel Oil .....	222	94	32,701	1	2,065	35,083	1,169
15 ppm sulfur and under .....	10	0	27,059	–	1,968	29,038	968
Greater than 15 ppm to 500 ppm sulfur .....	211	13	2,751	1	1	2,977	99
Greater than 500 ppm sulfur .....	1	81	2,891	–	96	3,068	102
Residual Fuel Oil .....	210	–	2,704	–	1,033	3,947	132
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	–	–	1,400	–	130	1,530	51
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	270	177	1,655	12	269	2,382	79
Waxes .....	65	23	17	–	5	110	4
Petroleum Coke .....	168	30	12,287	–	3,014	15,500	517
Asphalt and Road Oil .....	126	12	282	1	23	444	15
Miscellaneous Products .....	16	1	40	–	3	60	2
<b>Total</b> .....	<b>7,409</b>	<b>14,098</b>	<b>267,182</b>	<b>27</b>	<b>10,639</b>	<b>299,355</b>	<b>9,979</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, December 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,383</b>	<b>2,173</b>	<b>112,379</b>	<b>–</b>	<b>980</b>	<b>116,916</b>	<b>3,771</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,548</b>	<b>7,890</b>	<b>63,246</b>	<b>9</b>	<b>1,551</b>	<b>79,243</b>	<b>2,556</b>
Natural Gas Liquids .....	6,548	7,890	63,246	9	1,551	79,243	2,556
Ethane .....	2,450	2,517	10,017	–	–	14,983	483
Propane .....	2,963	92	41,415	0	1,105	45,575	1,470
Normal Butane .....	1,095	154	11,594	–	385	13,227	427
Isobutane .....	1	3	177	–	1	182	6
Natural Gasoline .....	40	5,124	43	9	60	5,276	170
<b>Other Liquids</b> .....	<b>330</b>	<b>3,120</b>	<b>9,129</b>	<b>6</b>	<b>301</b>	<b>12,886</b>	<b>416</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	309	979	710	–	132	2,130	69
Hydrogen .....	–	–	–	–	–	–	–
Biofuels .....	309	979	710	–	132	2,130	69
Fuel Ethanol .....	80	941	545	–	102	1,668	54
Biodiesel .....	229	39	164	–	29	462	15
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	–	–	–	–	–	–	–
Unfinished Oils .....	17	2,101	4,604	–	21	6,743	218
Naphthas and Lighter .....	8	2,091	4,247	–	4	6,350	205
Kerosene and Light Gas Oils .....	10	10	357	–	16	393	13
Heavy Gas Oils .....	–	–	–	–	–	–	–
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC) .....	4	39	3,815	6	149	4,013	129
Reformulated .....	0	–	2	–	1	2	0
Conventional .....	4	39	3,813	6	149	4,011	129
Aviation Gasoline Blend. Comp. ....	–	–	–	–	–	–	–
<b>Finished Petroleum Products</b> .....	<b>1,586</b>	<b>679</b>	<b>88,224</b>	<b>17</b>	<b>11,523</b>	<b>102,029</b>	<b>3,291</b>
Finished Motor Gasoline .....	69	239	26,836	–	2,021	29,165	941
Reformulated .....	–	–	–	–	–	–	–
Conventional .....	69	239	26,836	–	2,021	29,165	941
Finished Aviation Gasoline .....	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel .....	386	15	4,130	–	1,040	5,571	180
Kerosene .....	1	0	484	–	–	486	16
Distillate Fuel Oil .....	163	118	37,969	–	3,485	41,735	1,346
15 ppm sulfur and under .....	11	2	32,261	–	2,884	35,158	1,134
Greater than 15 ppm to 500 ppm sulfur .....	150	31	2,829	–	423	3,433	111
Greater than 500 ppm sulfur .....	1	86	2,879	–	178	3,144	101
Residual Fuel Oil .....	71	–	3,361	–	866	4,298	139
Naphtha for Petro. Feed. Use .....	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use .....	–	–	562	–	148	710	23
Special Naphthas .....	–	–	–	–	–	–	–
Lubricants .....	179	151	1,295	16	71	1,712	55
Waxes .....	50	28	17	0	4	99	3
Petroleum Coke .....	531	47	13,025	–	3,867	17,469	564
Asphalt and Road Oil .....	122	78	517	1	21	740	24
Miscellaneous Products .....	15	1	27	–	1	44	1
<b>Total</b> .....	<b>9,848</b>	<b>13,861</b>	<b>272,978</b>	<b>32</b>	<b>14,355</b>	<b>311,074</b>	<b>10,035</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.