

TABLEID  
CUTTINGS GAS SUMMARY

SAMPLE NO.	DEPTH (M)	TOTAL C1-C4	x HET	x C3+	C3+/C1	C2/C1
86790D	1620	11,539	86	78	5.48	.54
87186H	1630	24,920	61	43	1.10	.44
87186I	1640	33,261	59	42	1.03	.43
86790E	1650	22,781	63	49	1.31	.36
87186J	1660	4,806	86	80	5.90	.49
87186K	1670	9,387	76	63	2.59	.51
86790F	1680	5,680	67	55	1.65	.33
87186L	1690	13,116	57	40	.92	.41
87186M	1700	15,984	58	40	.95	.42
86790G	1710	14,079	66	49	1.42	.50
87186N	1720	12,494	66	52	1.54	.45
87186O	1730	24,678	54	34	.74	.44
86790H	1740	18,381	60	43	1.09	.44
87186P	1750	13,463	64	49	1.36	.42
87186Q	1760	30,422	47	29	.56	.34
86790I	1770	17,080	59	43	1.05	.37
87186R	1780	12,156	65	51	1.43	.39
87186S	1790	10,896	79	65	3.17	.68
86790J	1800	6,940	79	66	3.21	.64
87186T	1810	7,773	77	66	2.87	.46
86790K	1830	6,266	88	78	6.51	.81
87197A	1840	6,758	81	70	3.64	.56
87197B	1850	8,671	81	69	3.60	.62
86790L	1860	8,815	84	72	4.62	.77
87197C	1870	8,442	74	61	2.30	.50
87197D	1880	11,241	62	49	1.29	.34
86790M	1890	7,270	79	67	3.18	.58
87197E	1900	4,791	84	73	4.67	.75
87197F	1905	6,676	77	64	2.75	.52
86790N	1930	5,962	82	71	4.07	.63
87197G	1940	15,124	67	55	1.67	.38
87197H	1945	9,071	80	69	3.44	.57
86790O	1960	8,528	84	72	4.43	.70
87197I	1970	8,760	85	75	5.05	.71
87197J	1980	9,978	85	73	4.73	.79
86790P	1990	8,034	88	76	6.26	.96
87197K	2000	8,673	85	73	4.92	.82
86790Q	2010	7,443	83	71	4.22	.70
87197L	2020	6,452	79	67	3.26	.57
86790R	2030	6,106	82	71	3.96	.65
87197M	2050	4,591	76	64	2.65	.49
87197N	2060	11,112	79	58	2.79	1.03
86790S	2070	5,605	85	66	4.35	1.26
87197O	2080	9,205	78	55	2.51	1.09
87197P	2090	6,234	84	64	3.94	1.23
86790T	2100	4,383	84	65	3.98	1.12
87197Q	2110	4,216	76	58	2.40	.70
86790U	2120	3,445	72	55	1.94	.60
87197R	2140	4,523	75	56	2.20	.74
86790V	2150	3,406	81	64	3.30	.86
87615A	2160	2,807	75	58	2.30	.63
87615B	2180	3,996	69	49	1.60	.67
87615C	2200	3,924	84	75	4.81	.61
87615D	2220	22,683	87	77	6.08	.86
87615E	2240	10,024	81	62	3.27	1.00
87615F	2260	7,833	80	64	3.20	.81
87615G	2280	14,100	83	64	3.81	1.18
87615H	2300	15,202	83	64	3.69	1.04
87615I	2320	10,101	74	60	2.32	.53
87615J	2340	13,252	85	70	4.80	1.02
87615K	2360	15,311	78	62	2.74	.72
87615L	2380	21,496	87	74	5.65	.99
87615M	2400	12,468	89	80	7.07	.82
87615N	2420	15,906	85	70	4.61	.99
87615O	2440	17,614	79	61	2.84	.85
87615P	2450	32,200	85	69	4.53	1.01
87615Q	2460	22,879	92	80	10.01	1.52
87615R	2470	21,356	88	75	6.42	1.18
87846A	2480	13,917	85	71	4.89	.99
87846B	2500	16,175	84	70	4.48	.93
87846C	2510	18,925	84	71	4.50	.85
87846D	2530	30,901	86	72	5.21	1.03
87846E	2550	24,240	83	67	3.96	.98
87846F	2570	53,655	82	64	3.58	1.02
87846G	2590	37,650	89	73	6.61	1.39
87846H	2610	54,540	89	76	7.11	1.28
87846I	2630	90,239	92	78	10.23	1.88
87846J	2650	68,188	91	79	9.24	1.49
87846K	2670	53,634	91	78	9.04	1.61
87846L	2680	53,558	87	72	5.32	1.11
87846M	2700	52,369	89	75	6.72	1.27
87846N	2720	34,336	87	71	5.30	1.13
87846O	2740	66,732	85	68	4.43	1.09
87846P	2760	44,520	94	83	13.34	1.77

\*B\* = CUTTINGS NOT ANALYZED

\*C\* = AIR SPACE GAS NOT RUN

ST = SIDE TRACK SAMPLE

TABLE 1D  
CUTTINGS GAS SUMMARY

SAMPLE NO.	DEPTH (M)	TOTAL C1-C4	x HET	x C3+	C3+/C1	C2/C1
87846Q	2780	57,907	86	71	5.21	1.09
87846R	2800	47,908	94	82	13.21	1.85
87846S	2820	40,574	73	54	1.98	.66
87846T	2840	32,111	83	66	3.87	.95
88297A	2860	31,920	84	71	4.42	.83
88297B	2880	32,379	84	70	4.28	.86
88297C	2900	18,817	90	82	8.46	.82
88297D	2920	32,619	87	73	5.45	1.03
88297E	2940	25,822	86	75	5.50	.87
88297F	2960	32,672	86	72	5.04	.92
88297G	2980	13,396	86	77	5.47	.59
88297H	3000	12,748	82	67	3.70	.79
88297I	3020	8,701	46	33	.62	.24
88297J	3040	3,805	42	33	.57	.15
88297K	3060	3,233	40	33	.55	.11
88297L	3080	3,224	37	29	.46	.14
88297M	3100	4,969	57	45	1.05	.29
88297N	3120	4,312	25	20	.27	.06
88297O	3140	9,066	27	19	.26	.11
88297P	3160	9,411	21	12	.14	.11
88297Q	3180	16,908	14	8	.09	.07
88297S	3200	9,018	8	6	.07	.02
88297T	3220	12,901	18	12	.14	.08
88297U	3240	12,918	12	7	.08	.05
88319A	3260	6,611	7	5	.05	.02
88319B	3280	6,988	11	7	.07	.05
88319C	3300	9,581	17	12	.14	.06
88319D	3320	30,221	17	9	.11	.09
88319E	3340	8,626	8	6	.07	.02
88319F	3350	9,168	11	7	.08	.05
88319G	3370	12,348	10	7	.08	.03
88319H	3430	2,109	4	2	.02	.02
88319I	3450	2,119	3	1	.01	.01
88319J	3460	2,364	2	1	.01	.02
88319K	3470	4,491	19	8	.10	.14
88319L	3480	6,544	17	4	.05	.16
88913A	3500	4,576	13	4	.04	.11
88913B	3520	667	5	4	.04	.01
88913C	3540	1,139	10	5	.05	.05
88913D	3560	1,176	5	3	.04	.02
88913E	3580	5,060	13	5	.05	.10
88913F	3600	5,309	10	2	.02	.10
88913G	3620	2,206	15	4	.05	.14
88913H	3640	3,986	12	3	.03	.10
88913I	3660	2,581	21	6	.07	.20
88913J	3680	2,799	22	8	.10	.19
88913K	3700	2,413	20	10	.12	.12
88913L	3720	2,425	18	6	.07	.15
88913M	3740	4,167	4	3	.03	.01
88913N	3760	3,316	3	3	.04	.00
88913O	3780	2,708	5	4	.04	.01
88913P	3800	3,582	4	4	.04	.00
88913Q	3820	1,206	6	4	.05	.02
88913R	3840	699	7	4	.04	.03
88913S	3860	495	7	5	.05	.03
88913T	3880	447	9	6	.07	.03
88924A	3910	487	4	2	.02	.02
88924B	3920	346	3	2	.02	.02
88924C	3940	355	1	1	.01	.00
88924D	3960	779	1	1	.01	.00
88924E	3980	684	1	1	.01	.00
88924F	4000	738	2	1	.01	.01
88924G	4020	434	2	2	.02	.01
88924H	4040	440	2	1	.01	.01
88924I	4060	684	2	2	.02	.00
88924J	4070	1,109	6	4	.04	.02
88924K	4080	666	3	2	.02	.01
88924L	4100	358	2	1	.01	.00
89166A	4120	791	1		.00	.00
89166B	4140	699			.00	.00
89166C	4160	805			.00	.00
89166D	4170	733			.00	.00
89166E	4180	638			.00	.00
89166F	4200	715			.00	.00
89166G	4220	661			.00	.00
89166H	4240	675			.00	.00
89166I	4260	651			.00	.00
89166J	4280	609			.00	.00
89166K	4300	685			.00	.00
89166L	4330	785	1	1	.01	.00
89166M	4350	1,104			.00	.00
89166N	4370	21,508			.00	.00
89166O	4390	9,760			.00	.00
89166P	4410	1,573	1	1	.01	.00

\*B\* = CUTTINGS NOT ANALYZED

\*C\* = AIR SPACE GAS NOT RUN

ST = SIDE TRACK SAMPLE

TABLEID  
CUTTINGS GAS SUMMARY

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SAMPLE NO.	DEPTH (M)	TOTAL C1-C4	x MET	x C3+	C3+/C1	C2/C1
89166Q	4420	1,340	1	1	.01	.00
89166R	4440	1,622	1	1	.01	.00
89166S	4460	1,769			.00	.00
89166T	4480	702			.00	.00
89177A	4500	951	1	1	.01	.00
89177B	4520	1,062			.00	.00
89177C	4540	929			.00	.00
89177D	4560	1,095			.00	.00
89177E	4580	923			.00	.00
89177F	4600	879			.00	.00
89177G	4620	897			.00	.00
89177H	4640	716			.00	.00
89177I	4660	787	4	4	.04	.00
89177J	4680	759			.00	.00
89177K	4700	643			.00	.00
89177L	4720	690	2	2	.02	.00
89177M	4740	645	1	1	.01	.00
89177N	4760	573			.00	.00
89177O	4780	573			.00	.00
89177P	4800	594			.00	.00
89177Q	4820	653			.00	.00
89177R	4840	590	1		.00	.00
89177S	4860	975			.00	.00
89177T	4880	828			.00	.00
89188A	4900	576			.00	.00
89188B	4920	676			.00	.00
89188C	4940	650	4	4	.04	.01
89188D	4960	607	1	1	.01	.00
89188E	4980	646	1	1	.01	.00
89188F	5000	703			.00	.00

\*BX\* = CUTTINGS NOT ANALYZED

\*CX\* = AIR SPACE GAS NOT RUN

ST = SIDE TRACK SAMPLE

TABLE 2a - DESCRIPTIONS OF "PICKED" CUTTINGS SAMPLES

<u>Depth (meters)</u>	<u>EPR No.</u>	<u>Gross Lithology</u>	<u>GSA Color Code</u>	<u>T.O.C. (%)</u>
640	84150-D	Claystone, grayish green	5G 5/2	.76
710	84150-F	As above	5G 5/2	.70
800	84150-I	As above	5G 5/2	.72
860	84150-K	As above	5G 5/2	.66
950	86779-B	Claystone, med. dk. gray and mod. brown	N4; 5YR 3/4	.60
1,025	87164-H	Claystone, grayish olive green	5GY 3/2	.44
1,130	86779-H	Claystone, med. dk. gray, 10% mod. brown	N4; 5YR 3/4	.56
1,150	87164-R	Claystone, 60% med. dk. gray - 40% mod. red	N4; 5R 4/6	.48
1,174	86790-X	Claystone, lt. gray, minor lt. brownish gray sandstone	N7; 5YR 6/1	.59
1,200	87175-A	Claystone, grayish green	5G 5/2	.66
1,280	86779-M	Claystone, med. gray; 50% yellowish gray sandstone	N5; 5Y 8/1	.44
1,340	86779-O	Claystone, grayish green	5G 5/2	.74
1,370	86779-P	Sandstone, pale yellowish brown	10YR 6/2;	.26
1,430	86779-R	As above, plus 50% med. gray claystone	10YR 6/2; N5	.72
1,470	87175-S	Claystone, grayish green	5G 5/2	.66
1,500	87175-T	As above, plus 10% sandstone	5G 5/2	.62
1,540	87186-C	Claystone, med. gray	N5	.82
1,590	86790-C	Claystone, med. dk. gray, 10% sandstone	N4	.76
1,620	86790-D	85% greenish gray sandstone; 15% med. dk. gray claystone	5GY 6/1; N4	.60
1,650	86790-E	As above	5GY 6/1; N4	.52
1,690	87186-L	Claystone, med. dk. gray	N4	.90
1,710	86790-G	70% as above; 30% lt. brownish gray siltstone	N4; 5YR 6/1	.78
1,750	87186-P	As above	N4; 5YR 6/1	.78
1,770	86790-I	80% lt. brownish gray sandstone; 20% med. dk. gray claystone	5YR 6/1; N4	.96
1,830	86790-K	As above, 50-50	5YR 6/1; N4	.98
1,860	86790-L	Claystone, med. dk. gray	N4	1.26
1,900	87197-E	Claystone, dk. gray	N3	.98
1,945	87197-H	As above, plus 20% lt. brownish gray sandstone	N3; 5YR 6/1	.72
1,990	86790-P	Claystone, med. dk. gray	N4	1.06
2,030	86790-R	As above, plus 20% lt. brownish gray sandstone	N4; 5YR 6/1	.76
2,090	87197-P	Claystone, dk. gray	N3	.96
2,150	86790-V	As above	N3	.82
2,220	87615-D	As above, plus 30% brownish gray siltstone	N3; 5YR 4/1	1.56

TABLE 2a - Page 2

<u>Depth (meters)</u>	<u>EPR No.</u>	<u>Gross Lithology</u>	<u>GSA Color Code</u>	<u>T.O.C. (%)</u>
2,260	87615-F	Claystone, dk. gray	N3	.88
2,380	87615-L	As above	N3	.88
2,420	87615-N	As above	N3	.86
2,460	87615-Q	As above	N3	.90
2,530	87846-D	As above	N3	.88
2,590	87846-G	As above	N3	1.06
2,630	87846-I	As above	N3	1.92
2,670	87846-K	As above	N3	1.22
2,700	87846-M	As above	N3	1.48
2,740	87846-O	As above	N3	1.26
2,760	87846-P	Claystone, dusky yellowish brown	10YR 2/2	1.22
2,800	87846-R	Claystone, dk. gray	N3	1.44
2,840	87846-T	As above	N3	1.00
2,880	88297-B	Claystone, med. dk. gray to dk. gray, micromicaceous	N4-N3	.74
2,900	88297-C	As above	N4-N3	.72
2,940	88297-E	As above	N4-N3	.62
3,000	88297-H	Claystone, dk. gray, micromicaceous	N3	.60
3,040	88297-J	Limestone, white to brownish	N9-5YR 4/1	.06
3,100	88297-M	As above	N9-5YR 4/1	.04
3,160	88297-P	As above, plus 20% lt. olive gray chert	N9-5YR 4/1; 5YR 6/1	.18
3,240	88297-U	Chart, various colors	--	.10
3,280	88319-B	As above	--	.18
3,320	88319-D	As above, plus minor dk. greenish gray limestone	5GY 4/1	.12
3,350	88319-F	Limestone as above	5GY 4/1	.20
3,450	88319-I	Limestone, olive gray	5GY 4/1	.24
3,480	88319-L	Claystone, dk. greenish gray, plus 50% lt. olive gray limestone	5GY 4/1; 5Y 6/1	.40
3,490	88924-M	Claystone, dk. gray, calc.	N3	.64
3,500	88913-A	As above	N3	.42
3,510	88924-N	Limestone, brownish gray, trace dk. gray claystone	5YR 4/1	.16
3,570	88924-O	Limestone, white to brownish gray	N9-5YR 4/1	.33
3,590	88924-P	As above, plus traces dolomite and claystone	N9-5YR 4/1	.60
3,600	88913-F	Limestone, white to dk. gray	N9-N3	.38
3,680	88913-J	As above	N9-N3	.30
3,800	88913-P	Limestone, white to med. gray	N9-N5	.10
3,920	88924-B	Limestone, white to greenish black	N9-5GY 3/1	.02
4,000	88924-F	As above	N9-5GY 3/1	.04
4,070	88924-J	Dolomite, grayish green, sucrosic	5G 5/2	.02

TABLE 2a - Page 3

<u>Depth (meters)</u>	<u>EPR No.</u>	<u>Gross Lithology</u>	<u>GSA Color Code</u>	<u>T.O.C. (%)</u>
4,090	88924-Q	Limestone, white to brownish gray	N9-5YR 4/1	.08
4,160	89166-C	Limestone, pinkish gray to olive gray	5YR 8/1- 5Y 4/1	.02
4,260	89166-I	Dolomite, grayish green, 20% white anhydrite	5G 5/2; N9	.06
4,370	89166-N	Claystone, dk. gray, traces of white anhydrite	N3	.42
4,460	89166-S	60% grayish green dolomite; 20% brownish black claystone, 10% white anhydrite; 10% dk. greenish gray chert	5G 5/2 5YR 2/1 N9; 5GY 4/1	.24
4,560	89177-D	Limestone, v. lt. gray to greenish black	N8-5GY 2/1	.12
4,660	89177-I	Dolomite, dk. greenish gray to greenish black, minor white anhydrite	5GY 4/1- 5GY 2/1	.06
4,780	89177-O	Limestone, white to med. dk. gray	N9-N4	.04
4,860	89177-S	Limestone, white to dk. gray, traces white anhydrite	N9-N3	.30
4,940	89188-C	Limestone, med. lt. gray to dk. gray	N6-N3	.10
5,000	89188-F	Dolomite, olive gray, partly siliceous	5Y 4/1	.04

TABLE 2b - DESCRIPTIONS OF SIDEWALL CORES

Depth (m.)	EPR No.	Gross Lithology	GSA Color Code	T.O.C. (%)
976.5	87219-M	Claystone, med. gray, muddy	N5	.14
1024	87219-L	Siltstone, pale olive	10Y 6/2	.14
1111	87219-K	Claystone, grayish green	5G 5/2	1.08
1118	87219-J	Sandstone, greenish gray, sl. calc.	5GY 6/1	.72
1145	87219-I	Claystone, med. lt. gray, muddy	N6	1.28
1146	87219-H	As above	N6	1.66
1247	87219-G	Sandstone, lt. brownish gray	5YR 6/1	.14
1411	87219-F	Claystone, med. dk. gray	N4	.66
1542	87219-E	As above	N4	.86
1579	87219-D	As above	N4	.88
1635	87219-C	As above	N4	.80
2046	87219-B	Claystone, dk. gray	N3	1.00
2090.5	87219-A	As above	N3	.72
2205	88055-A	Claystone, brownish gray, calc.	5YR 4/1	2.20
2208	88055-B	As above	5YR 4/1	2.32
2220	88055-C	Claystone, med. dk. gray	N4	.62
2371	88055-D	As above	N4	1.34
2430	88055-E	As above, dirty	N4	.52
2530	88055-F	Claystone, dk. gray	N5	.80
2553	88055-G	As above	N5	1.34
2585	88055-H	Claystone, med. dk. gray, micromicaceous	N4	1.06
2593	88055-I	Claystone, dk. gray, micromicaceous	N3	3.08
2601	88055-J	Claystone, dk. greenish gray	5G 4/1	1.64
2608	88055-K	Claystone, greenish black	5G 2/1	4.68
2616	88055-L	As above	5G 2/1	2.82
2637	88055-M	As above, calc.	5G 2/1	1.24
2649	88055-N	Claystone, dk. greenish gray	5G 4/1	1.74
2657	88055-O	Claystone, greenish black, micromicaceous	5G 2/1	1.84
2674	88055-P	Claystone, dk. gray, muddy	N3	1.62
2723	88055-Q	Claystone, dk. greenish gray	5G 4/1	2.80
2733	88055-R	Claystone, dk. gray	N3	1.18
2765	88055-S	As above	N3	2.98
2794	88055-T	Claystone, greenish black	5G 2/1	1.50
2868	89397-A*	Siltstone	--	.40
3490	89397-B*	Limestone, very argillaceous	--	.32
3575	89397-C*	Limestone	--	.38
4456	89397-D*	Siltstone, argillaceous	--	--
4844	89397-E*	Siltstone, clay-rich	--	1.26
4992	89397-F*	Dolomite, sl. argill.	--	.06

\* Lithology description from Esso Norge

TABLE 3 - LIGHT GASOLINES (C4-C7) \*

ESSO NO.1 7121/1

EPR NO.	DEPTH (M)	T.O.C. (PCT)	UNITS	TOTAL C4-C7	TOTAL C1-C7	CORRELATION RATIOS					
						C1/C2	A/D2	D1/D2	C1/D2	CH/MCP	NP/IP
84150-D	640	.76	PPM	1.049	1.075	.78	4.56	.00	6.35	.45	1.01
84150-F	710	.70	PPM	1.286	1.313	.67	10.89	.00	20.00	.64	.97
84150-I	800	.72	PPM	1.799	1.830	.62	5.42	.00	12.24	.56	.89
84150-K	860	.66	PPM	1.573	1.585	.80	5.36	.00	11.21	.63	.97
86779-B	950	.60	PPM	.261	.283	1.38	15.00	.00	8.36	.47	.55
87219-M	976	.14	PPM	.185	.185	3.13	999.99	.00	999.99	.86	1.59
87219-L	1024	.14	PPM	.514	.514	2.64	9.57	.00	10.14	.58	1.53
87164-H	1025	.44	PPM	1.616	1.622	1.49	1.08	.00	6.53	.87	.55
87219-K	1111	1.08	PPM	8.283	8.283	1.62	.18	.00	2.66	1.67	.81
86779-H	1130	.56	PPM	1.576	1.594	1.63	4.28	.00	25.99	1.00	1.00
87219-I	1145	1.28	PPM	28.040	28.040	1.61	2.79	.00	7.49	1.10	.74
87219-H	1146	1.66	PPM	37.877	37.877	2.10	1.16	.00	11.36	1.16	.53
87164-R	1150	.48	PPM	2.935	2.944	1.12	3.32	.00	9.67	.91	.83
86790-W	1174	.59	PPM	1.587	1.587	1.91	3.66	.00	16.96	.97	.83
86790-X	1174	.59	PPM	12.158	12.158	2.34	2.24	.00	12.03	1.19	.34
87175-A	1200	.66	PPM	18.156	18.206	1.85	.92	.00	6.71	.89	.72
87219-G	1247	.14	PPM	11.364	11.364	2.46	3.25	.00	3.86	.76	1.88
86779-M	1280	.44	PPM	5.420	5.430	1.71	1.89	.00	3.73	.80	.91
86779-O	1340	.74	PPM	8.339	8.346	1.31	2.51	.00	3.65	.86	.88
86779-P	1370	.26	PPM	1.446	1.504	.28	1.26	.00	2.08	.95	.96
86779-R	1430	.72	PPM	15.202	15.215	1.91	2.40	.00	3.42	.72	1.37
87175-S	1470	.66	PPM	27.854	27.864	2.14	2.24	.00	4.29	1.23	5.67
87175-T	1500	.62	PPM	11.185	11.195	1.71	2.18	.00	3.08	.86	1.30
87186-C	1540	.82	PPM	20.798	20.815	1.86	3.57	.00	3.63	.86	1.74
87219-E	1542	.86	PPM	15.406	15.406	1.72	8.35	.00	7.14	.80	1.26
86790-C	1590	.76	PPM	15.582	15.598	2.20	4.19	.00	4.55	.90	3.22
86790-D	1620	.60	PPM	23.887	23.887	2.94	2.90	.00	2.46	.57	8.08
87219-C	1635	.80	PPM	15.370	15.370	1.85	8.13	.00	7.24	.95	1.45
86790-E	1650	.52	PPM	17.026	17.026	2.09	3.25	.00	3.54	.86	6.64
87186-L	1690	.90	PPM	19.378	19.384	2.01	4.22	.00	4.86	.94	5.31
86790-G	1710	.78	PPM	34.038	34.038	1.83	3.95	.00	4.39	1.06	1.53
86790-I	1770	.96	PPM	27.451	27.451	1.69	4.47	.00	4.36	1.08	1.58
86790-K	1830	.98	PPM	19.692	19.692	1.48	4.79	.00	4.02	.98	1.54
87197-E	1900	.98	PPM	30.269	30.269	1.91	6.04	.00	5.91	1.17	8.80
86790-P	1990	1.06	PPM	15.327	15.327	2.02	4.95	.00	6.70	1.27	1.46
87219-B	2046	1.00	PPM	18.909	18.909	1.33	6.24	.00	4.83	.65	1.16
87197-P	2090	.96	PPM	12.417	12.719	1.42	6.33	.00	5.03	.82	1.41
87219-A	2090	.72	PPM	6.147	6.147	.69	999.99	.00	999.99	.73	1.33
86790-V	2150	.82	PPM	8.345	8.542	1.79	7.73	.00	5.60	.86	1.53
88055-B	2208	2.32	PPM	23.574	23.574	.56	2.13	.00	2.80	.46	1.22
87615-D	2220	1.56	PPM	82.324	82.646	.64	4.26	.00	3.76	.46	1.73
88055-D	2371	1.34	PPM	72.323	72.323	1.88	4.80	.00	4.74	1.02	1.64
87615-L	2380	.88	PPM	78.023	78.023	1.76	5.60	.00	5.78	1.15	11.50
87615-Q	2460	.90	PPM	87.642	87.659	1.63	6.52	.00	6.56	1.13	2.77
87846-D	2530	.88	PPM	128.648	128.648	2.07	6.36	.00	6.44	1.25	6.46
88055-G	2553	1.34	PPM	85.557	85.557	1.62	5.25	.00	4.50	.93	2.83
88055-H	2585	1.06	PPM	12.685	12.865	2.05	4.63	.00	5.01	1.01	1.29
88055-I	2593	3.08	PPM	16.425	16.425	2.69	3.05	.00	4.55	1.27	.99
88055-K	2608	4.68	PPM	24.565	24.565	3.86	4.19	.00	6.82	1.44	1.12
88055-L	2616	2.82	PPM	28.075	28.075	2.48	3.59	.00	6.34	1.30	.86
87846-I	2630	1.92	PPM	302.849	302.849	1.73	5.38	.00	5.52	1.09	1.57
88055-N	2649	1.74	PPM	66.957	66.957	2.19	3.65	.00	4.22	1.13	1.94
88055-P	2674	1.62	PPM	44.253	44.253	2.58	3.10	.00	3.34	1.04	1.09
87846-M	2700	1.48	PPM	43.244	43.263	2.15	6.00	.00	5.31	1.04	9.11
88055-Q	2723	2.80	PPM	39.376	39.376	3.39	2.75	.00	4.07	1.27	.89
88055-R	2733	1.18	PPM	62.679	62.679	2.74	3.25	.00	3.24	1.01	1.12
87846-O	2740	1.26	PPM	221.948	222.006	1.98	6.65	.00	7.75	1.15	3.42
87846-P	2760	1.22	PPM	255.554	255.596	2.28	5.49	.00	5.60	1.36	3.52
88055-S	2765	2.98	PPM	5.721	5.721	3.04	3.32	.00	4.88	1.33	1.04
87846-R	2800	1.44	PPM	240.832	240.867	2.72	5.04	.00	5.48	1.65	3.28
87846-T	2840	1.00	PPM	197.699	197.772	2.41	4.86	.00	4.89	1.22	5.56
88297-B	2880	.74	PPM	155.985	155.985	2.56	4.58	.00	4.31	1.47	4.22
88297-C	2900	.72	PPM	100.675	100.697	2.44	4.64	.00	3.79	.99	5.22
88297-E	2940	.62	PPM	92.083	92.152	2.71	4.46	.00	4.19	1.04	5.70
88297-H	3000	.60	PPM	21.807	21.807	1.31	7.35	.00	3.77	1.19	3.31
88297-J	3040	.06	PPM	2.054	2.061	4.94	3.22	.00	2.45	.67	1.64
88297-M	3100	.04	PPM	.308	.313	7.04	3.13	.00	1.94	1.70	1.74
88297-P	3160	.18	PPM	17.206	17.210	2.58	4.35	.00	3.67	1.02	4.53
88297-U	3240	.10	PPM	1.392	1.395	4.28	4.21	.00	3.34	.90	1.19
88319-B	3280	.18	PPM	4.640	4.653	3.18	3.66	.00	3.01	1.05	1.10
88319-D	3320	.12	PPM	5.428	5.441	3.87	3.95	.00	2.68	.85	1.36
88319-F	3350	.20	PPM	2.514	2.520	3.58	4.10	.00	2.69	.97	1.27
88319-I	3450	.24	PPM	4.347	4.356	2.96	3.82	.00	3.49	1.05	.71
88319-L	3480	.40	PPM	3.103	3.107	3.42	2.96	.00	6.80	1.79	2.14
88913-A	3500	.42	PPM	2.479	2.479	4.03	3.71	.00	11.58	2.37	3.05
88913-F	3600	.38	PPM	3.588	3.594	4.58	6.39	.00	10.98	3.15	7.13
88913-J	3680	.30	PPM	6.452	6.452	3.09	5.98	.00	8.43	1.91	4.30
88913-P	3800	.10	PPM	2.138	2.156	2.89	8.74	.00	6.87	1.40	1.38
88924-B	3920	.02	PPM	.128	.135	.00	999.99	.00	999.99	.00	4.86
88924-F	4000	.04	PPM	.206	.258	.00	999.99	.00	999.99	.00	4.56
88924-J	4070	.02	PPM	.190	.199	.00	999.99	.00	999.99	.00	4.06
89166-C	4160	.02	PPM	.129	.141	.32	999.99	.00	999.99	.32	2.09
89166-N	4370	.42	PPM	.246	.250	7.39	999.99	.00	999.99	4.75	1.47
89177-I	4660	.06	PPM	.880	.880	4.15	5.09	.00	3.32	.82	7.28
89188-C	4940	.10	PPM	.103	.107	999.99	999.99	.00	999.99	999.99	3.53

\*See Table 8 for detailed analyses.



TABLE 4A - KEROGEN DESCRIPTIONS - CUTTINGS  
(Morgan)

Depth (meters)	EPR No.	T.O.C. (%)	Kerogen Alteration (T.A.I.)	Confidence in T.A.I. (10 max.)	Types of Kerogen (%)*							
					Al	Al?	IF	H	W	C	Other	
640	84150-D	.76	1+	5	tr	tr	30(W)	tr	50	10		
800	84150-I	.72	"	5	--	--	30(W)	10	50	10		
860	84150-K	.66	1+ to 2	3	--	--	30(W)	tr	50	10		
1,025	87164-H	.44	1+	5	--	--	--	20	70	10		
1,130	86779-H	.56	1+ to 2	4	10	10	10(A1)	10	50	10		
1,150	87164-R	.48	1+	5	10	tr	10(A1)	10	50	10	tr A	
1,174	86790-X	.59	"	5	--	tr	20(H,W)	tr	40	10	10A,10B	
1,200	87175-A	.66	"	5	--	--	10(H)	10	70	10		
1,280	86779-M	.44	"	5	--	tr	10(H)	tr	70	10		
1,340	86779-O	.74	1+ to 2-	5	--	tr	20(H)	tr	60	10		
1,430	86779-R	.72	1+ to 2	3	--	tr	20(H)	tr	60	10		
1,500	87175-T	.62	2-	5	--	--	20(H)	tr	60	10		
1,540	87186-C	.82	"	5	--	--	tr	tr	80	10		
1,590	86790-C	.76	"	5	--	--	20(H)	10	60	10		
1,690	87186-L	.90	"	5	tr	--	20(H)	tr	70	tr		
1,770	86790-I	.96	1+ to 2+	4	--	10	tr	10	70	tr		
1,860	86790-L	1.26	"	3	--	--	10(H)	tr	80	tr		
1,945	87197-H	.72	"	3	tr	tr	tr	20	60	10		
1,990	86790-P	1.06	"	3	--	tr	20(H,W)	tr	60	10		
2,030	86790-R	.76	"	3	--	tr	20(H,W)	tr	60	10		
2,090	87197-P	.96	"	3	tr	tr	tr	30	50	10		
2,150	86790-V	.82	"	3	--	tr	20(H,W)	10	60	10		
2,220	87615-D	1.56	"	3	40	tr	50(A1,W)	--	tr	tr		
2,260	87615-F	.88	"	3	tr	10	20(H,W)	tr	50	10		
2,380	87615-L	.88	2+	4	tr	tr	tr	20	60	10		
2,420	87615-N	.86	"	5	tr	tr	20(H)	10	50	10		
2,460	87615-Q	.90	"	7	--	20	50(H,W)	tr	20	tr	trB	
2,530	87846-D	.88	2 to 3-	7	to	tr	tr	20	10	tr		
2,590	87846-G	1.06	"	7	50	10	20(A1,H)	10	tr	tr		
2,630	87846-I	1.92	"	7	50	20	20	tr	tr	tr		
2,670	87846-K	1.22	"	6	40	20	30(H,W,C)	tr	tr	tr		
2,700	87846-M	1.48	"	5	30	40	tr	10	10	tr		
2,800	87846-R	1.44	"	5	30	20	tr	20	20	tr		
2,900	88297-C	.72	"	5	50	tr	tr	10	30	tr		
3,000	88297-H	.60	"	5	50	10	tr	tr	30	tr		
3,160	88297-P	.18	2+	3	--	10	tr	--	80	tr		
3,280	88319-B	.18	2+ to 3-	3	--	tr	tr	--	70	20		

TABLE 4A - Page 2

Depth (meters)	EPR No.	T.O.C. (%)	Kerogen Alteration (T.A.I.)	Confidence in T.A.I. (10 max.)	Types of Kerogen (%)*						
					Al	Al?	IF	H	W	C	Other
3,350	88319-F	.20	2+ to 3-	3	--	tr	tr	--	60	30	
3,450	88319-I	.24	"	3	--	tr	tr	--	80	10	
3,480	88319-L	.40	2+	4	--	tr	10(W)	--	70	10	trB
3,490	88924-M	.64	3-	2	--	--	50(W)	--	tr	tr	40A
3,500	88913-A	.42	2+	3	tr	tr	20(W)	--	60	10	
3,510	88924-N	.16	3-	3	--	20	tr	--	50	10	
3,570	88924-O	.33	2+	3	tr	40	tr	--	50	tr	
3,590	88924-P	.60	3-?	2	--	20	20(A1)	--	50	tr	trB
3,600	88913-F	.38	2+?	2	--	30	10	--	50	10	
3,680	88913-J	.30	2+	3	--	50	tr	--	40	tr	
4,090	88924-Q	.08	3?	1	--	20	10	--	40	10	20A
4,370	89166-N	.42	2+?	2	tr	60	tr	--	30	tr	
4,460	89166-S	.24	3-	3	--	10	10	--	70	10	
4,560	89177-D	.12	"	3	--	60	10	--	20	10	
4,660	89177-I	.06	"	3	--	50	--	--	30	10	10B
4,860	89177-S	.30	"	3	--	60	--	--	30	10	
4,940	89188-C	.10	"	3	--	80	10	--	tr	tr	

B - Biodegraded

\* Al - Algal, A - Amorphous, H - Herbaceous, W - Woody, C - Coaly, tr - traces, IF - Indeterminate Fines, B - Biodegraded, (H,A1) - Best guess as to IF equivalent (Metter)

TABLE 4B - KEROGEN DESCRIPTIONS - SIDEWALL CORES  
(Morgan)

Depth (meters)	EPR No.	T.O.C. (%)	Kerogen Alteration (T.A.I.)	Confidence in T.A.I. (10 max.)	Types of Kerogen (%)*							
					Al	Al?	IF	H	W	C	Other	
976.5	87219-M	.14	1+ to 2+	3	tr	10	--		tr	70	10	
1024	87219-L	.14	"	3	--	--	--		--	90	10	
1111	87219-K	1.08	2	5	--	--	--		30	60	10	
1146	87219-H	1.66	2	5	tr	--	10(H)		tr	70	10	
1542	87219-E	.86	2-	5	--	--	20(H)		20	50	10	
2046	87219-B	1.00	"	5	--	--	20(H)		20	50	10	
2090.5	87219-A	.72	"	5	--	--	20(A1,H)		10	60	10	
2205	88055-A	2.20	"	3	60	tr	10(A1)		tr	10	tr	trA
2208	88055-B	2.32	"	3	80	tr	10(A1)		--	tr	tr	
2220	88055-C	.62	2 to 2+	3	--	--	20(H)		20	50	10	
2371	88055-D	1.34	2+	5	50	tr	20(A1)		10	10	tr	
2430	88055-E	.52	2+	5	--	--	--		30	60	10	
2530	88055-F	.80	2+ to 3-	7	20	30	30(W,H)		tr	10	tr	
2553	88055-G	1.34	"	7	30	30	20(H)		tr	10	tr	
2585	88055-H	1.06	"	7	70	10	10(H)		tr	tr	tr	
2593	88055-I	3.08	"	5	60	10	20(A1)		tr	tr	tr	
2601	88055-J	1.64	"	7	10	20	50(H,A1)		10	tr	tr	
2608	88055-K	4.68	2+	4	tr	60	30(A1,H)		--	tr	--	
2616	88055-L	2.82	2+ to 3-	5	10	70	10(H)		tr	tr	tr	
2637	88055-M	1.24	2+	5	tr	20	50(H,A1)		tr	20	--	
2649	88055-N	1.74	"	5	--	30	60(H,A1)		tr	tr	--	
2657	88055-O	1.84	"	5	--	40	50(H,A1)		--	10	--	
2674	88055-P	1.62	"	5	--	40	50(H,A1)		tr	tr	--	
2723	88055-Q	2.80	"	5	--	40	50(H,A1)		tr	tr	--	
2733	88055-R	1.18	2+ to 3-	5	--	tr	20(A1)		tr	70	tr	
2765	88055-S	2.98	2+	5	--	60	30(A1,W)		--	tr	--	
2794	88055-T	1.50	2+	4	tr	30	30(W)		--	30	tr	
2868	89397-A	.40	2+	5	--	20	20(A1,W)		tr	50	tr	
3490	89397-B	.32	2+	3	--	--	20(A1,W)		--	70	10	
3575	89397-C	.38	2+?	2	--	40	10(W)		--	tr	tr	40B
4456	89397-D	--	3-?	1	--	60	10(W)		--	20	10	
4844	89397-E	1.26	3-?	1	--	80	10(A1)		--	tr	tr	trA
4992	89397-F	.06	3-?	1	--	10	80(H)		--	tr	tr	

\* Al - Algal, A - Amorphous, H - Herbaceous, W - Woody, C - Coaly, tr - traces, IF - Indeterminate Fines,  
B - Biodegraded, (W,H) - Best guess as to IF equivalent (Metter)

TABLE 5 - PYROLYSIS BY ROCK-EVAL

EPR NO.	DEPTH (N)	S1 (MG/GRM)	S2 (MG/GRM)	S3 (MG/GRM)	HYDROGEN INDEX	OXYGEN INDEX	TRANSF. RATIO	TEMP. (CENT.)	TOC (PCT)	COMMENTS
84150-D	640	.00	.45	.53	59	69	.00	413	.76	
84150-F	710	.00	.33	.39	47	55	.00	411	.70	
84150-I	800	.03	.49	.48	68	66	.06	404	.72	LOW BROAD S2
84150-K	860	.03	.38	.40	57	60	.07		.66	LOW BROAD S2
86779-B	950	.01	.28	.57	46	95	.04		.60	LOW BROAD S2
87219-K*	1111	.30	3.38	.92	313	85	.08		1.08	TMAX<400
87219-J*	1118	.08	1.75	2.33	243	324	.04	421	.72	
86779-H	1130	.02	.46	.77	82	137	.04		.56	LOW BROAD S2
87219-I*	1145	.06	5.42	.73	423	57	.01	425	1.28	
87219-H*	1146	.15	10.36	.40	624	24	.01	427	1.66	
87175-A	1200	.05	1.28	.73	193	110	.04	423	.66	
86779-O	1340	.06	1.37	.54	185	72	.04	422	.74	
87219-F*	1411	.09	1.37	.85	208	129	.06	422	.66	
86779-R	1430	.04	1.21	1.04	168	144	.03	423	.72	
87175-S	1470	.06	1.35	.83	204	125	.04	425	.66	
87175-T	1500	.06	1.07	.69	172	111	.05	423	.62	
87186-C	1540	.08	1.00	.52	121	63	.07	420	.82	
87219-E*	1542	.00	.82	1.45	95	169	.00	425	.86	
87219-D*	1579	.04	.84	1.35	95	153	.05	423	.88	
86790-C	1590	.09	.86	.71	113	93	.10		.76	LOW BROAD S2
86790-D	1620	.10	.98	.70	163	116	.09		.60	LOW BROAD S2
87219-C*	1635	.02	.68	1.31	85	164	.03	427	.80	
86790-E	1650	.15	.99	.75	190	144	.13		.52	LOW BROAD S2
87186-L	1690	.08	1.03	.74	114	82	.07	422	.90	
86790-G	1710	.12	1.15	.68	147	87	.10	424	.78	
87186-P	1750	.11	1.05	.76	134	97	.09	422	.78	
86790-I	1770	.18	1.53	.89	159	92	.11	424	.96	
86790-K	1830	.14	1.38	.93	140	94	.09	422	.98	
86790-L	1860	.16	1.65	.95	130	75	.09	426	1.26	
87197-E	1900	.11	1.00	.61	102	62	.10	428	.98	
87197-H	1945	.11	.86	.55	119	76	.11	426	.72	
86790-P	1990	.13	1.11	.81	104	76	.10	427	1.06	
86790-R	2030	.08	1.08	.79	142	103	.07	426	.76	
87219-B*	2046	.03	1.17	2.78	117	278	.02	427	1.00	
87197-P	2090	.10	1.60	1.13	166	117	.06	426	.96	
87219-A*	2090	.01	.53	1.03	74	143	.02	423	.72	
86790-V	2150	.04	.89	1.02	108	124	.04	427	.82	
88055-A*	2205	.39	12.76	1.09	580	49	.03	432	2.20	
88055-B*	2208	.95	15.10	2.12	650	91	.06	422	2.32	
87615-D	2220	.19	5.82	.91	373	58	.03	430	1.56	
88055-C*	2220	.03	.48	.21	77	33	.06	425	.62	
87615-F	2260	.08	.80	.64	90	72	.09	430	.88	
88055-D*	2371	.16	4.18	.27	311	20	.04	432	1.34	
87615-L	2380	.22	.99	.70	112	79	.18	431	.88	
87615-N	2420	.11	1.76	.61	204	70	.06	436	.86	
88055-E*	2430	.05	.73	2.30	140	442	.06	427	.52	
87615-Q	2460	.13	2.01	.36	223	40	.06	434	.90	
87846-D	2530	.13	1.76	.47	200	53	.07	436	.88	
88055-F*	2530	.15	1.36	.33	170	41	.10	431	.80	
88055-G*	2553	.33	3.09	.67	230	50	.10	436	1.34	
88055-H*	2585	.97	10.47	.91	987	85	.08	434	1.06	
87846-G	2590	.18	2.61	.52	246	49	.06	438	1.06	
88055-I*	2593	.53	4.98	1.42	161	46	.10	432	3.08	
88055-J*	2601	.55	4.81	1.39	293	84	.10	433	1.64	
88055-K*	2608	1.89	20.24	1.04	432	22	.09	435	4.68	
88055-L*	2616	.64	8.60	1.06	304	37	.07	434	2.82	
87846-I	2630	.46	6.12	.53	318	27	.07	438	1.92	STAINED?
88055-M*	2637	.33	2.86	1.43	230	115	.10	424	1.24	
88055-N*	2649	.57	3.83	.74	220	42	.13	434	1.74	
88055-O*	2657	.83	4.57	.85	248	46	.15	436	1.84	
87846-K	2670	.20	2.67	.51	218	41	.07	434	1.22	STAINED?
88055-P*	2674	.51	3.30	.59	203	36	.13	437	1.62	
87846-M	2700	.47	4.02	.20	271	13	.10	437	1.48	STAINED?
88055-Q*	2723	.86	4.93	1.29	176	46	.15	434	2.80	
88055-R*	2733	.33	1.31	.69	111	58	.20	407	1.18	
87846-O	2740	.38	2.96	.52	234	41	.11	440	1.26	STAINED?
87846-P	2760	.45	3.62	.41	296	33	.11	442	1.22	STAINED?
88055-S*	2765	1.19	6.00	.74	303	37	.17	437	1.98	
88055-T*	2794	.48	2.42	.75	81	25	.17	435	2.98	
87846-R	2800	.50	3.89	.34	270	23	.11	437	1.44	STAINED?
87846-T	2840	.31	2.55	.87	255	87	.11	432	1.00	STAINED?
88297-B	2880	.23	1.21	.33	163	44	.16	403	.74	
88297-C	2900	.17	.89	.61	123	84	.16		.72	LOW BROAD S2
88297-E	2940	.22	.82	.34	132	54	.21		.62	LOW BROAD S2
88297-H	3000	.17	1.30	.43	209	69	.12		.62	LOW BROAD S2
88924-M	3490	.04	.40	.57	63	90	.09		.63	LOW FLAT S2
88924-P	3590	.08	.44	.67	73	111	.15		.60	LOW FLAT S2

\* Sidewall core; the rest are cuttings

TABLE 6  
VITRINITE REFLECTANCE \*\*  
(Geo-Strat)

Depth (m.)	EPR No.	Population	No. of Points	Ro Min.	Ro Max.	Ro Average	Fluorescence of Exinite
1,069	86779-F	Total	65	.35	.50	.41	yellow to yellow-orange
1,230	87175-D	Total	65	.40	.57	.48	"
1,630	87186-I	Total	70	.44	.63	.52	yellow-orange
1,640	86790-E	Total	80	.47	.76	.61	" (gold)
2,150	86790-V	1	30	.57	.94	.79	" "
		2	40	.95	1.35	1.08	
2,371	88055-D*	1	5	.62	.74	.67	gold
		2	9	.84	1.08	.98	
		3	4	1.20	1.37	1.29	
2,530	87846-D	1	31	.64	1.03	.82	gold
		2	19	1.06	1.51	1.27	
2,585	88055-H*	2	8	.85	1.01	.95	none
2,608	88055-K*	2	13	.56	.93	.74	"
2,649	88055-N*	2	4	.98	1.11	1.05	"
2,657	88055-O*	Total	6	.61	1.54	1.04?	"
2,670	87846-K	1	45	.54	.99	.76	gold
		2	11	1.03	1.38	1.18	
2,700	87846-M	1	21	.72	.97	.86	none
		2	20	1.00	1.29	1.13	
2,723	88055-Q*	Total	8	.60	.81	.72	"
2,800	87846-R	1	26	.71	.93	.84	"
		2	12	.99	1.23	1.10	
2,900	88297-C	2	2	1.00	1.01	1.01	"
		3	6	1.22	1.50	1.37	
3,000	88297-H	2	5	.89	1.08	.96	
3,160	88297-P	2	6	1.21	1.54	1.35	"
3,280	88319-B	1	8	.70	1.23	.99	none
		2	12	1.40	1.92	1.63	
		3	6	2.33	2.64	2.49	
3,350	88319-F	1	9	.82	1.24	1.08	"
		2	10	1.38	1.82	1.56	
3,480	88319-L	1	26	.85	1.36	1.20	"
		2	20	1.42	1.93	1.69	
3,490	89397-B*	1	24	1.25	1.96	1.61	"
3,490	88924-M	1	15	1.09	1.43	1.29	"
		2	21	1.54	1.89	1.68	
3,500	88913-A	1	30	1.25	1.89	1.60	
3,510	88924-N	1	9	1.35	1.89	1.62	"
3,570	88924-O	none	none	--	--	--	"
3,590	88924-P	1	24	1.33	1.89	1.62	"
		2	3	2.10	2.15	2.13	
4,090	88924-Q	none	none	--	--	--	"
4,260	89166-I	Total	6	2.53	3.21	2.90	"

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<u>Depth (m.)</u>	<u>EPR No.</u>	<u>Population</u>	<u>No. of Points</u>	<u>Ro Min.</u>	<u>Ro Max.</u>	<u>Ro Average</u>	<u>Fluorescence of Exinite</u>
4,370	89166-N	2	46	1.41	1.99	1.69	"
4,560	89177-D	1	49	1.74	2.29	2.02	"
		2	8	2.33	2.47	2.40	
4,844*	89397-E	1	9	1.71	2.10	1.92	"
		2	20	2.15	2.89	2.50	
4,860	89177-S	1	29	2.08	2.94	2.51	"
		2	5	3.07	3.57	3.25	
5,000	89188-F	Total	11	1.47	2.31	1.86	"

\* Sidewall core; the others are cuttings  
 \*\* See Figures 4a - 4K for histograms and details.

TABLE 7 - HEAVY (C<sub>15+</sub>) ORGANIC EXTRACTS - 7121/1-1 CUTTINGS  
(Herbst)

Depth (m.)	EPR No.	Unit (Esso Norge)	T.O.C. (%)	Soluble Org. Matter (ppm)	Hydro- carbons (ppm)	% HC's in T.O.C.	Composition of S.O.M. (%)**					% Hydro- carbons	Sats./ Aroms.	Pristane Phytane
							SATS	AROMS	NSO's	Noneluted NSO's	Asphal- tenes			
640	84150-D	Paleoc.	.80	242	--	--	--	--	--	--	62.0	--	--	--
800	84150-I	U. Trias.	.70	236	--	--	--	--	--	--	72.9	--	--	--
1130	86779-H	"	.58	462	212	3.7	26.6	19.3	13.8	.5	39.8	45.9	1.4	(.47)
1174	86790-W	"*	.70	1004	496	7.1	26.7	22.7	21.9	6.6	22.1	49.4	1.1	(.56)
1174	86790-X	"	.62	740	400	6.5	32.7	21.4	27.8	.0	18.1	54.1	1.5	(.82)
1540	87186-C	"	.64	576	159	2.5	18.1	9.6	7.1	.0	65.3	27.7	1.9	(.33)
1990	86790-P	"	.84	394	153	1.8	26.0	12.7	20.2	.0	41.1	38.7	2.0	1.71
2150	86790-V	M. Trias.	.91	288	--	--	--	--	--	--	61.8	--	--	--
2180	87615-B	"	.92	330	--	--	--	--	--	--	77.6	--	--	--
2220	87615-D	"	1.56	1292	645	4.1	23.3	26.6	19.2	4.9	26.0	49.9	.9	(.90)
2260	87615-F	"	.92	334	--	--	--	--	--	--	46.7	--	--	--
2380	87615-L	"	.96	1634	873	9.1	38.0	15.4	16.2	4.2	26.2	53.4	2.5	2.50
2420	87615-N	"	.93	674	293	3.1	26.7	16.7	21.6	.0	35.0	43.4	1.6	1.59
2470	87615-R	"	.88	1006	391	4.5	24.4	14.5	10.4	5.3	45.3	38.9	1.7	2.21
2500	87846-B	"	.90	1276	432	4.8	20.4	13.4	7.6	3.6	55.0	33.8	1.5	2.67
2570	87846-F	"	1.04	1376	695	6.7	33.8	16.7	14.5	7.1	27.9	50.5	2.0	2.33
2590	87846-G	"	1.18	1282	813	6.9	39.6	23.8	14.1	.2	22.3	63.4	1.7	2.13
2610	87846-H	"	1.64	2338	1450	8.8	41.9	20.2	12.9	3.1	22.0	62.1	2.1	2.27
2630	87846-I	"	1.58	2698	1543	9.8	38.6	18.6	12.0	7.2	23.6	57.2	2.1	2.08
2670	87846-K	L. Trias.	1.40	1430	965	6.9	44.4	23.1	12.2	.0	20.3	67.5	1.9	1.97
2700	87846-M	"	1.42	2242	1359	9.6	42.7	17.9	11.0	5.8	22.7	60.6	2.4	1.64
2800	87846-R	"	1.26	2090	1022	8.1	34.0	14.8	9.5	5.5	36.2	48.8	2.3	1.65
2900	88297-C	"	.96	1484	1014	10.6	52.1	16.2	10.4	3.2	18.1	68.3	3.2	1.91
3000	88297-H	"	.74	1248	814	11.0	52.3	13.0	11.2	1.3	22.3	65.3	4.0	1.63

\*Unwashed cuttings plus drilling mud

\*\* See Figures 6a - 6 for gas chromatograms of saturates

TABLE 8 - DETAILED ANALYSES OF LIGHT GASOLINES (C<sub>4</sub>-C<sub>7</sub>)  
(See Table 3 for summary.)

84150-D ESSO NO.1 7121/1			640	84150-F ESSO NO.1 7121/1			710
COMPONENT	TOTAL PPM	NORM PERCENT		COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000			METHANE	.000		
ETHANE	.000			ETHANE	.000		
PROPANE	.026			PROPANE	.026		
IBUTANE	.018	1.72		IBUTANE	.059	4.58	
NBUTANE	.016	1.53		NBUTANE	.067	5.20	
IPENTANE	.107	10.20		IPENTANE	.158	12.27	
NPENTANE	.108	10.30		NPENTANE	.153	11.88	
22-DMB	.022	2.10		22-DMB	.012	.93	
CPENTANE	.008	.76		CPENTANE	.020	1.55	
23-DMB	.036	3.43		23-DMB	.038	2.95	
2-MP	.125	11.92		2-MP	.119	9.24	
3-MP	.070	6.67		3-MP	.070	5.43	
NHEXANE	.086	8.20		NHEXANE	.089	6.91	
MCP	.112	10.68		MCP	.127	9.86	
22-DMP	.000	.00		22-DMP	.000	.00	
24-DMP	.006	.57		24-DMP	.003	.23	
223-TMB	.000	.00		223-TMB	.000	.00	
CHEXANE	.050	4.77		CHEXANE	.082	6.37	
33-DMP	.000	.00		33-DMP	.000	.00	
11-DMCP	.000	.00		11-DMCP	.000	.00	
2-MHEXANE	.013	1.24		2-MHEXANE	.009	.70	
23-DMP	.012	1.14		23-DMP	.012	.93	
3-MHEXANE	.026	2.48		3-MHEXANE	.009	.70	
1C3-DMCP	.034	3.26		1C3-DMCP	.038	2.95	
1T3-DMCP	.023	2.19		1T3-DMCP	.033	2.56	
1T2-DMCP	.032	3.05		1T2-DMCP	.073	5.67	
3-EPENT	.000	.00		3-EPENT	.000	.00	
224-TMP	.000	.00		224-TMP	.000	.00	
NHEPTANE	.032	3.05		NHEPTANE	.013	1.01	
1C2-DMCP	.011	1.05		1C2-DMCP	.008	.62	
MCH	.102	9.72		MCH	.096	7.45	
	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS		TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	1.075		C1/C2 .78	ALL COMP	1.314		C1/C2 .67
GASOLINE	1.049		A /D2 4.56	GASOLINE	1.288		A /D2 10.89
NAPHTHENES	.372	35.46	D1/D2 .00	NAPHTHENES	.477	37.03	D1/D2 .00
C6-7	.559	51.38	C1/D2 6.35	C6-7	.992	45.96	C1/D2 20.00
			CH/MCP .45				CH/MCP .64
			NP/IP 1.01				NP/IP .97
PARAFFIN INDEX 1	.438			PARAFFIN INDEX 1	.125		
PARAFFIN INDEX 2	9.876			PARAFFIN INDEX 2	3.561		

84150-I ESSO NO.1 7121/1			800	84150-K ESSO NO.1 7121/1			860
COMPONENT	TOTAL PPM	NORM PERCENT		COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000			METHANE	.000		
ETHANE	.000			ETHANE	.000		
PROPANE	.031			PROPANE	.013		
IBUTANE	.095	5.28		IBUTANE	.026	1.65	
NBUTANE	.041	2.28		NBUTANE	.029	1.84	
IPENTANE	.215	11.94		IPENTANE	.160	10.17	
NPENTANE	.190	10.56		NPENTANE	.155	9.85	
22-DMB	.016	.89		22-DMB	.019	1.21	
CPENTANE	.014	.78		CPENTANE	.012	.76	
23-DMB	.055	3.06		23-DMB	.038	2.41	
2-MP	.161	8.94		2-MP	.135	8.58	
3-MP	.094	5.22		3-MP	.079	5.02	
NHEXANE	.103	5.72		NHEXANE	.103	6.54	
MCP	.184	10.22		MCP	.157	9.97	
22-DMP	.000	.00		22-DMP	.000	.00	
24-DMP	.011	.61		24-DMP	.007	.44	
223-TMB	.000	.00		223-TMB	.000	.00	
CHEXANE	.103	5.72		CHEXANE	.098	6.23	
33-DMP	.000	.00		33-DMP	.000	.00	
11-DMCP	.000	.00		11-DMCP	.000	.00	
2-MHEXANE	.042	2.33		2-MHEXANE	.021	1.33	
23-DMP	.032	1.78		23-DMP	.040	2.54	
3-MHEXANE	.025	1.28		3-MHEXANE	.028	1.78	
1C3-DMCP	.101	5.61		1C3-DMCP	.089	5.65	
1T3-DMCP	.051	2.83		1T3-DMCP	.041	2.60	
1T2-DMCP	.101	5.61		1T2-DMCP	.085	5.40	
3-EPENT	.000	.00		3-EPENT	.000	.00	
224-TMP	.000	.00		224-TMP	.000	.00	
NHEPTANE	.021	1.17		NHEPTANE	.045	2.86	
1C2-DMCP	.012	.67		1C2-DMCP	.017	1.08	
MCH	.135	7.50		MCH	.190	12.07	
	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS		TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	1.831		C1/C2 .62	ALL COMP	1.587		C1/C2 .80
GASOLINE	1.800		A /D2 9.42	GASOLINE	1.574		A /D2 5.36
NAPHTHENES	.701	38.94	D1/D2 .00	NAPHTHENES	.689	43.77	D1/D2 .00
C6-7	.919	51.06	C1/D2 12.24	C6-7	.921	58.51	C1/D2 11.21
			CH/MCP .56				CH/MCP .63
			NP/IP .89				NP/IP .97



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86779-B ESSO NO.1 7121/1			950			87219-M ESSO NO.1 7121/1			976		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.022		PROPANE	.000		PROPANE	.000		PROPANE	.000	
IBUTANE	.020	7.66	IBUTANE	.009		IBUTANE	.009	4.84	IBUTANE	.009	4.84
NBUTANE	.011	4.21	NBUTANE	.010		NBUTANE	.010	5.38	NBUTANE	.010	5.38
IPENTANE	.045	17.24	IPENTANE	.014		IPENTANE	.014	7.53	IPENTANE	.014	7.53
NPENTANE	.025	9.58	NPENTANE	.023		NPENTANE	.023	12.37	NPENTANE	.023	12.37
22-DMB	.000		22-DMB	.000		22-DMB	.000	.00	22-DMB	.000	.00
CPENTANE	.007	2.68	CPENTANE	.000		CPENTANE	.000	.00	CPENTANE	.000	.00
23-DMB	.000		23-DMB	.004	2.15	23-DMB	.004	2.15	23-DMB	.004	2.15
2-HP	.027	10.34	2-HP	.018		2-HP	.018	9.48	2-HP	.018	9.48
3-HP	.017	6.51	3-HP	.012		3-HP	.012	6.45	3-HP	.012	6.45
NHEXANE	.035	13.41	NHEXANE	.023		NHEXANE	.023	12.37	NHEXANE	.023	12.37
MCP	.013	4.98	MCP	.014	7.53	MCP	.014	7.53	MCP	.014	7.53
22-DMP	.000	.00	22-DMP	.000	.00	22-DMP	.000	.00	22-DMP	.000	.00
24-DMP	.000	.00	24-DMP	.000	.00	24-DMP	.000	.00	24-DMP	.000	.00
223-TMB	.000	.00	223-TMB	.000	.00	223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	.006	2.30	CHEXANE	.012	6.45	CHEXANE	.012	6.45	CHEXANE	.012	6.45
33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	.003	1.15	2-MHEXANE	.000	.00	2-MHEXANE	.000	.00	2-MHEXANE	.000	.00
23-DMP	.005	1.92	23-DMP	.000	.00	23-DMP	.000	.00	23-DMP	.000	.00
3-MHEXANE	.003	1.15	3-MHEXANE	.000	.00	3-MHEXANE	.000	.00	3-MHEXANE	.000	.00
1C3-DMCP	.000	.00	1C3-DMCP	.000	.00	1C3-DMCP	.000	.00	1C3-DMCP	.000	.00
1T3-DMCP	.000	.00	1T3-DMCP	.000	.00	1T3-DMCP	.000	.00	1T3-DMCP	.000	.00
1T2-DMCP	.008	3.07	1T2-DMCP	.000	.00	1T2-DMCP	.000	.00	1T2-DMCP	.000	.00
3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	.016	6.13	NHEPTANE	.016	8.60	NHEPTANE	.016	8.60	NHEPTANE	.016	8.60
1C2-DMCP	.000	.00	1C2-DMCP	.000	.00	1C2-DMCP	.000	.00	1C2-DMCP	.000	.00
MCH	.020	7.66	MCH	.031	16.67	MCH	.031	16.67	MCH	.031	16.67

  

86779-B			950			87219-M			976		
TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	.283		ALL COMP	.186	C1/C2 1.3J	ALL COMP	.186	C1/C2 3.13	ALL COMP	.186	A /D2 999.99
GASOLINE	.261		GASOLINE	.186	A /D2 15.00	GASOLINE	.186	A /D2 999.99	GASOLINE	.186	D1/D2 .00
NAPHTHENES	.054	20.69	NAPHTHENES	.057	D1/D2 .00	NAPHTHENES	.057	D1/D2 .00	NAPHTHENES	.057	C1/D2 999.99
C6-7	.109	41.76	C6-7	.109	C1/D2 8.36	C6-7	.096	51.61	C6-7	.096	CH/MCP .86
					NP/IP .55						NP/IP 1.59
PARAFFIN INDEX 1	.750		PARAFFIN INDEX 1	.000		PARAFFIN INDEX 1	.000		PARAFFIN INDEX 1	.000	
PARAFFIN INDEX 2	26.229		PARAFFIN INDEX 2	27.118		PARAFFIN INDEX 2	27.118		PARAFFIN INDEX 2	27.118	

  

87219-L ESSO NO.1 7121/1			1024			87164-H ESSO NO.1 7121/1			1025		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.006		PROPANE	.006		PROPANE	.006	
IBUTANE	.022	4.26	IBUTANE	.018	1.11	IBUTANE	.018	1.11	IBUTANE	.018	1.11
NBUTANE	.032	6.20	NBUTANE	.031	1.92	NBUTANE	.031	1.92	NBUTANE	.031	1.92
IPENTANE	.024	4.65	IPENTANE	.081	5.01	IPENTANE	.081	5.01	IPENTANE	.081	5.01
NPENTANE	.036	6.98	NPENTANE	.044	2.72	NPENTANE	.044	2.72	NPENTANE	.044	2.72
22-DMB	.000	.00	22-DMB	.012	.74	22-DMB	.012	.74	22-DMB	.012	.74
CPENTANE	.185	35.85	CPENTANE	.010	.62	CPENTANE	.010	.62	CPENTANE	.010	.62
23-DMB	.004	.78	23-DMB	.041	2.54	23-DMB	.041	2.54	23-DMB	.041	2.54
2-HP	.026	5.04	2-HP	.079	4.89	2-HP	.079	4.89	2-HP	.079	4.89
3-HP	.015	2.91	3-HP	.046	2.47	3-HP	.046	2.47	3-HP	.046	2.47
NHEXANE	.042	8.14	NHEXANE	.063	3.90	NHEXANE	.063	3.90	NHEXANE	.063	3.90
MCP	.021	4.07	MCP	.180	11.13	MCP	.180	11.13	MCP	.180	11.13
22-DMP	.000	.00	22-DMP	.003	.19	22-DMP	.003	.19	22-DMP	.003	.19
24-DMP	.000	.00	24-DMP	.022	1.36	24-DMP	.022	1.36	24-DMP	.022	1.36
223-TMB	.000	.00	223-TMB	.000	.00	223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	.012	2.33	CHEXANE	.157	9.71	CHEXANE	.157	9.71	CHEXANE	.157	9.71
33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	.004	.78	2-MHEXANE	.035	2.16	2-MHEXANE	.035	2.16	2-MHEXANE	.035	2.16
23-DMP	.000	.00	23-DMP	.097	6.00	23-DMP	.097	6.00	23-DMP	.097	6.00
3-MHEXANE	.007	1.36	3-MHEXANE	.088	5.44	3-MHEXANE	.088	5.44	3-MHEXANE	.088	5.44
1C3-DMCP	.000	.00	1C3-DMCP	.047	2.91	1C3-DMCP	.047	2.91	1C3-DMCP	.047	2.91
1T3-DMCP	.000	.00	1T3-DMCP	.043	2.66	1T3-DMCP	.043	2.66	1T3-DMCP	.043	2.66
1T2-DMCP	.006	1.16	1T2-DMCP	.108	6.68	1T2-DMCP	.108	6.68	1T2-DMCP	.108	6.68
3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	.025	4.84	NHEPTANE	.032	1.98	NHEPTANE	.032	1.98	NHEPTANE	.032	1.98
1C2-DMCP	.000	.00	1C2-DMCP	.005	.31	1C2-DMCP	.005	.31	1C2-DMCP	.005	.31
MCH	.055	10.66	MCH	.381	23.56	MCH	.381	23.56	MCH	.381	23.56

  

87219-L			1024			87164-H			1025		
TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	.516		ALL COMP	1.623	C1/C2 2.64	ALL COMP	1.623	C1/C2 1.49	ALL COMP	1.623	C1/C2 1.49
GASOLINE	.516		GASOLINE	1.417	A /D2 9.57	GASOLINE	1.417	A /D2 1.08	GASOLINE	1.417	A /D2 1.08
NAPHTHENES	.279	54.07	NAPHTHENES	.931	D1/D2 .00	NAPHTHENES	.931	D1/D2 .00	NAPHTHENES	.931	D1/D2 .00
C6-7	.172	33.33	C6-7	1.261	C1/D2 10.14	C6-7	1.261	C1/D2 6.53	C6-7	1.261	CH/MCP .87
					NP/IP 1.53						NP/IP .55
PARAFFIN INDEX 1	1.833		PARAFFIN INDEX 1	.621		PARAFFIN INDEX 1	.621		PARAFFIN INDEX 1	.621	
PARAFFIN INDEX 2	22.935		PARAFFIN INDEX 2	3.238		PARAFFIN INDEX 2	3.238		PARAFFIN INDEX 2	3.238	

TABLE 8, Page 3

87219-K ESSO NO.1 7121/1			1111			86779-H ESSO NO.1 7121/1			1130		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.000		PROPANE	.018		PROPANE	.018	
IBUTANE	.037	.45	IBUTANE	.037	.45	IBUTANE	.057	3.61	IBUTANE	.057	3.61
NBUTANE	.069	.83	NBUTANE	.069	.83	NBUTANE	.046	2.92	NBUTANE	.046	2.92
IPENTANE	.112	1.35	IPENTANE	.112	1.35	IPENTANE	.073	4.63	IPENTANE	.073	4.63
NPENTANE	.092	1.11	NPENTANE	.092	1.11	NPENTANE	.073	4.63	NPENTANE	.073	4.63
22-DMB	.300	3.62	22-DMB	.300	3.62	22-DMB	.010	.63	22-DMB	.010	.63
CPENTANE	.185	2.23	CPENTANE	.185	2.23	CPENTANE	.016	1.01	CPENTANE	.016	1.01
23-DMB	.525	6.34	23-DMB	.525	6.34	23-DMB	.035	2.22	23-DMB	.035	2.22
2-MP	.220	2.66	2-MP	.220	2.66	2-MP	.063	3.99	2-MP	.063	3.99
3-MP	.095	1.15	3-MP	.095	1.15	3-MP	.032	2.03	3-MP	.032	2.03
NHEXANE	.124	1.50	NHEXANE	.124	1.50	NHEXANE	.066	4.18	NHEXANE	.066	4.18
MCP	1.079	13.03	MCP	1.079	13.03	MCP	.150	9.51	MCP	.150	9.51
22-DMP	.000	.00	22-DMP	.000	.00	22-DMP	.000	.00	22-DMP	.000	.00
24-DMP	.052	.63	24-DMP	.052	.63	24-DMP	.005	.32	24-DMP	.005	.32
223-TMB	.098	1.18	223-TMB	.098	1.18	223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	1.798	21.70	CHEXANE	1.798	21.70	CHEXANE	.151	9.57	CHEXANE	.151	9.57
33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	1.249	15.08	2-MHEXANE	1.249	15.08	2-MHEXANE	.014	.89	2-MHEXANE	.014	.89
23-DMP	.000	.00	23-DMP	.000	.00	23-DMP	.087	5.51	23-DMP	.087	5.51
3-MHEXANE	1.184	14.29	3-MHEXANE	1.184	14.29	3-MHEXANE	.023	1.46	3-MHEXANE	.023	1.46
1C3-DMCP	.138	1.67	1C3-DMCP	.138	1.67	1C3-DMCP	.067	4.25	1C3-DMCP	.067	4.25
1T3-DMCP	.112	1.35	1T3-DMCP	.112	1.35	1T3-DMCP	.033	2.09	1T3-DMCP	.033	2.09
1T2-DMCP	.606	7.32	1T2-DMCP	.606	7.32	1T2-DMCP	.109	6.91	1T2-DMCP	.109	6.91
3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	.090	1.09	NHEPTANE	.090	1.09	NHEPTANE	.032	2.03	NHEPTANE	.032	2.03
1C2-DMCP	.011	.13	1C2-DMCP	.011	.13	1C2-DMCP	.006	.38	1C2-DMCP	.006	.38
MCH	.108	1.30	MCH	.108	1.30	MCH	.430	27.25	MCH	.430	27.25

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	8.284		C1/C2	1.62	ALL COMP	1.596		C1/C2	1.63
GASOLINE	8.284		A/D2	.18	GASOLINE	1.578		A/D2	4.28
NAPHTHENES	4.037	48.73	D1/D2	.00	NAPHTHENES	.962	60.96	D1/D2	4.00
C6-7	6.649	80.26	C1/D2	2.66	C6-7	1.173	74.33	C1/D2	25.99
			CH/MCP	1.67				CH/MCP	1.00
			NP/IP	.81				NP/IP	1.00
PARAFFIN INDEX 1	2.842				PARAFFIN INDEX 1	.177			
PARAFFIN INDEX 2	1.702				PARAFFIN INDEX 2	3.382			

  

87219-I ESSO NO.1 7121/1			1145			87219-H ESSO NO.1 7121/1			1146		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.000		PROPANE	.000		PROPANE	.000	
IBUTANE	.012	.04	IBUTANE	.012	.04	IBUTANE	.065	.17	IBUTANE	.065	.17
NBUTANE	.006	.02	NBUTANE	.006	.02	NBUTANE	.029	.88	NBUTANE	.029	.88
IPENTANE	1.716	6.12	IPENTANE	1.716	6.12	IPENTANE	.564	1.49	IPENTANE	.564	1.49
NPENTANE	1.270	4.53	NPENTANE	1.270	4.53	NPENTANE	.301	.79	NPENTANE	.301	.79
22-DMB	.300	1.07	22-DMB	.300	1.07	22-DMB	.512	1.35	22-DMB	.512	1.35
CPENTANE	.399	1.42	CPENTANE	.399	1.42	CPENTANE	.069	.18	CPENTANE	.069	.18
23-DMB	.537	1.91	23-DMB	.537	1.91	23-DMB	1.018	2.69	23-DMB	1.018	2.69
2-MP	2.324	8.29	2-MP	2.324	8.29	2-MP	1.642	4.33	2-MP	1.642	4.33
3-MP	1.255	4.48	3-MP	1.255	4.48	3-MP	.609	1.61	3-MP	.609	1.61
NHEXANE	1.643	5.86	NHEXANE	1.643	5.86	NHEXANE	.936	2.47	NHEXANE	.936	2.47
MCP	2.967	10.58	MCP	2.967	10.58	MCP	3.929	10.37	MCP	3.929	10.37
22-DMP	.000	.00	22-DMP	.000	.00	22-DMP	.000	.00	22-DMP	.000	.00
24-DMP	.206	.73	24-DMP	.206	.73	24-DMP	.291	.77	24-DMP	.291	.77
223-TMB	.033	.12	223-TMB	.033	.12	223-TMB	.099	.26	223-TMB	.099	.26
CHEXANE	3.270	11.66	CHEXANE	3.270	11.66	CHEXANE	4.568	12.06	CHEXANE	4.568	12.06
33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	.987	3.52	2-MHEXANE	.987	3.52	2-MHEXANE	1.224	3.23	2-MHEXANE	1.224	3.23
23-DMP	1.022	3.64	23-DMP	1.022	3.64	23-DMP	.000	.00	23-DMP	.000	.00
3-MHEXANE	1.189	4.24	3-MHEXANE	1.189	4.24	3-MHEXANE	1.726	4.56	3-MHEXANE	1.726	4.56
1C3-DMCP	.598	2.13	1C3-DMCP	.598	2.13	1C3-DMCP	.943	2.54	1C3-DMCP	.943	2.54
1T3-DMCP	.570	2.03	1T3-DMCP	.570	2.03	1T3-DMCP	.896	2.37	1T3-DMCP	.896	2.37
1T2-DMCP	1.222	4.36	1T2-DMCP	1.222	4.36	1T2-DMCP	3.328	8.79	1T2-DMCP	3.328	8.79
3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	1.678	5.98	NHEPTANE	1.678	5.98	NHEPTANE	1.060	2.80	NHEPTANE	1.060	2.80
1C2-DMCP	.184	.66	1C2-DMCP	.184	.66	1C2-DMCP	.226	.60	1C2-DMCP	.226	.60
MCH	4.655	16.60	MCH	4.655	16.60	MCH	13.823	36.49	MCH	13.823	36.49

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	28.043		C1/C2	1.61	ALL COMP	37.878		C1/C2	2.10
GASOLINE	28.043		A/D2	2.79	GASOLINE	37.878		A/D2	1.16
NAPHTHENES	13.865	49.44	D1/D2	.00	NAPHTHENES	27.802	73.40	D1/D2	.00
C6-7	20.224	72.12	C1/D2	7.49	C6-7	33.069	87.30	C1/D2	11.36
			CH/MCP	1.10				CH/MCP	1.16
			NP/IP	.74				NP/IP	.53
PARAFFIN INDEX 1	.910				PARAFFIN INDEX 1	.568			
PARAFFIN INDEX 2	11.046				PARAFFIN INDEX 2	3.842			

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87164-R ESSO NO.1 7121/1			1150			86790-W ESSO NO.1 7121/1			1174		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.010		PROPANE	.000		PROPANE	.000		PROPANE	.000	
IBUTANE	.061	2.08	IBUTANE	.113		IBUTANE	.113	7.10	IBUTANE	.113	7.10
NBUTANE	.162	5.52	NBUTANE	.055		NBUTANE	.055	3.46	NBUTANE	.055	3.46
IPENTANE	.329	11.21	IPENTANE	.086		IPENTANE	.086	5.41	IPENTANE	.086	5.41
NPENTANE	.272	9.27	NPENTANE	.071		NPENTANE	.071	4.46	NPENTANE	.071	4.46
22-DMB	.026	.89	22-DMB	.030		22-DMB	.030	1.89	22-DMB	.030	1.89
CPENTANE	.049	1.67	CPENTANE	.019		CPENTANE	.019	1.19	CPENTANE	.019	1.19
23-DMB	.070	2.39	23-DMB	.061		23-DMB	.061	3.83	23-DMB	.061	3.83
2-MP	.220	7.50	2-MP	.081		2-MP	.081	5.09	2-MP	.081	5.09
3-MP	.107	3.65	3-MP	.041		3-MP	.041	2.58	3-MP	.041	2.58
NHEXANE	.182	6.20	NHEXANE	.059		NHEXANE	.059	3.71	NHEXANE	.059	3.71
MCP	.372	12.68	MCP	.235		MCP	.235	14.77	MCP	.235	14.77
22-DMP	.004	.14	22-DMP	.000		22-DMP	.000	.00	22-DMP	.000	.00
24-DMP	.012	.41	24-DMP	.016		24-DMP	.016	1.01	24-DMP	.016	1.01
223-TMB	.000	.00	223-TMB	.002		223-TMB	.002	.13	223-TMB	.002	.13
CHEXANE	.337	11.49	CHEXANE	.229		CHEXANE	.229	14.39	CHEXANE	.229	14.39
33-DMP	.000	.00	33-DMP	.000		33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000		11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	.033	1.12	2-MHEXANE	.073		2-MHEXANE	.073	4.59	2-MHEXANE	.073	4.59
23-DMP	.103	3.51	23-DMP	.020		23-DMP	.020	1.26	23-DMP	.020	1.26
3-MHEXANE	.067	2.28	3-MHEXANE	.033		3-MHEXANE	.033	2.07	3-MHEXANE	.033	2.07
1C3-DMCP	.044	1.50	1C3-DMCP	.000		1C3-DMCP	.000	.00	1C3-DMCP	.000	.00
1T3-DMCP	.045	1.53	1T3-DMCP	.000		1T3-DMCP	.000	.00	1T3-DMCP	.000	.00
1T2-DMCP	.111	3.78	1T2-DMCP	.028		1T2-DMCP	.028	1.76	1T2-DMCP	.028	1.76
3-EPENT	.000	.00	3-EPENT	.000		3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000		224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	.041	1.40	NHEPTANE	.060		NHEPTANE	.060	3.77	NHEPTANE	.060	3.77
1C2-DMCP	.007	.24	1C2-DMCP	.027		1C2-DMCP	.027	1.70	1C2-DMCP	.027	1.70
MCH	.280	9.54	MCH	.252		MCH	.252	15.84	MCH	.252	15.84

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	2.944		C1/C2	1.12	ALL COMP	1.591		C1/C2	1.91
GASOLINE	2.934		A /D2	3.32	GASOLINE	1.591		A /D2	3.66
NAPHTHENES	1.245	42.43	D1/D2	.00	NAPHTHENES	.790	49.65	D1/D2	.00
C6-7	1.638	55.83	C1/D2	9.67	C6-7	1.034	64.99	C1/D2	16.94
			CH/MCP	.91				CH/MCP	.97
			NP/IP	.83				NP/IP	.83
PARAFFIN INDEX 1	.500				PARAFFIN INDEX 1	3.785			
PARAFFIN INDEX 2	3.864				PARAFFIN INDEX 2	8.633			

  

86790-X ESSO NO.1 7121/1			1174			87175-A ESSO NO.1 7121/1			1200		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.050		PROPANE	.050		PROPANE	.050	
IBUTANE	.140	1.15	IBUTANE	.048		IBUTANE	.048	.26	IBUTANE	.048	.26
NBUTANE	.074	.61	NBUTANE	.071		NBUTANE	.071	.59	NBUTANE	.071	.59
IPENTANE	.431	3.54	IPENTANE	.434		IPENTANE	.434	2.39	IPENTANE	.434	2.39
NPENTANE	.148	1.22	NPENTANE	.314		NPENTANE	.314	1.73	NPENTANE	.314	1.73
22-DMB	.238	1.96	22-DMB	.169		22-DMB	.169	.93	22-DMB	.169	.93
CPENTANE	.136	1.12	CPENTANE	.039		CPENTANE	.039	.21	CPENTANE	.039	.21
23-DMB	.467	3.84	23-DMB	.383		23-DMB	.383	2.11	23-DMB	.383	2.11
2-MP	.526	4.33	2-MP	.984		2-MP	.984	5.42	2-MP	.984	5.42
3-MP	.250	2.06	3-MP	.532		3-MP	.532	2.93	3-MP	.532	2.93
NHEXANE	.252	2.07	NHEXANE	.529		NHEXANE	.529	2.91	NHEXANE	.529	2.91
MCP	1.925	15.83	MCP	1.658		MCP	1.658	9.13	MCP	1.658	9.13
22-DMP	.000	.00	22-DMP	.051		22-DMP	.051	.28	22-DMP	.051	.28
24-DMP	.139	1.14	24-DMP	.417		24-DMP	.417	2.30	24-DMP	.417	2.30
223-TMB	.033	.27	223-TMB	.000		223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	2.290	18.83	CHEXANE	1.479		CHEXANE	1.479	8.14	CHEXANE	1.479	8.14
33-DMP	.000	.00	33-DMP	.000		33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000		11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	.857	7.05	2-MHEXANE	.881		2-MHEXANE	.881	4.85	2-MHEXANE	.881	4.85
23-DMP	.174	1.43	23-DMP	1.496		23-DMP	1.496	8.24	23-DMP	1.496	8.24
3-MHEXANE	.461	3.79	3-MHEXANE	1.079		3-MHEXANE	1.079	5.94	3-MHEXANE	1.079	5.94
1C3-DMCP	.000	.00	1C3-DMCP	.706		1C3-DMCP	.706	3.89	1C3-DMCP	.706	3.89
1T3-DMCP	.000	.00	1T3-DMCP	.332		1T3-DMCP	.332	2.93	1T3-DMCP	.332	2.93
1T2-DMCP	.334	2.75	1T2-DMCP	.942		1T2-DMCP	.942	5.19	1T2-DMCP	.942	5.19
3-EPENT	.000	.00	3-EPENT	.000		3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000		224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	.781	6.42	NHEPTANE	.460		NHEPTANE	.460	2.53	NHEPTANE	.460	2.53
1C2-DMCP	.108	.89	1C2-DMCP	.073		1C2-DMCP	.073	.40	1C2-DMCP	.073	.40
MCH	2.396	19.70	MCH	4.882		MCH	4.882	26.88	MCH	4.882	26.88

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	12.160		C1/C2	2.34	ALL COMP	18.209		C1/C2	1.85
GASOLINE	12.160		A /D2	2.24	GASOLINE	18.159		A /D2	.92
NAPHTHENES	7.189	59.12	D1/D2	.00	NAPHTHENES	18.311	56.78	D1/D2	.00
C6-7	9.750	80.18	C1/D2	12.03	C6-7	15.185	83.62	C1/D2	6.71
			CH/MCP	1.19				CH/MCP	.89
			NP/IP	.34				NP/IP	.72
PARAFFIN INDEX 1	3.946				PARAFFIN INDEX 1	.899			
PARAFFIN INDEX 2	10.708				PARAFFIN INDEX 2	3.692			

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87219-G	ESSO NO.1 7121/1	1247
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.000	
IBUTANE	.095	.84
NBUTANE	.328	2.89
IPENTANE	.498	4.38
NPENTANE	.936	8.24
22-DMB	.084	.74
CPENTANE	.024	.21
23-DMB	.106	.93
2-MP	1.046	9.21
3-MP	.550	4.84
NHEXANE	1.253	11.03
MCP	.449	3.95
22-DMP	.000	
24-DMP	.131	1.15
223-TMB	.012	.11
CHEXANE	.342	3.01
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	1.011	8.90
23-DMP	.209	1.84
3-MHEXANE	.758	6.67
1C3-DMCP	.219	1.93
1T3-DMCP	.153	1.35
1T2-DMCP	.345	3.04
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	1.212	10.67
1C2-DMCP	.025	.22
MCH	1.576	13.87

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	11.362		C1/C2 2.46
GASOLINE	11.362		A /D2 3.25
NAPHTHENES	3.133	27.57	D1/D2 .00
C6-7	7.695	67.73	C1/D2 3.86
			CH/MCP .76
			NP/IP 1.88
PARAFFIN INDEX 1	2.467		
PARAFFIN INDEX 2	20.806		

86779-M	ESSO NO.1 7121/1	1280
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.010	
IBUTANE	.016	.30
NBUTANE	.067	1.24
IPENTANE	.347	6.40
NPENTANE	.315	5.81
22-DMB	.029	.54
CPENTANE	.031	.57
23-DMB	.078	1.44
2-MP	.528	9.74
3-MP	.296	5.46
NHEXANE	.431	7.95
MCP	.401	7.40
22-DMP	.006	.11
24-DMP	.074	1.37
223-TMB	.000	.00
CHEXANE	.320	5.91
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	.305	5.63
23-DMP	.223	4.12
3-MHEXANE	.387	7.14
1C3-DMCP	.098	1.81
1T3-DMCP	.105	1.94
1T2-DMCP	.229	4.23
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	.301	5.55
1C2-DMCP	.013	.24
MCH	.819	15.11

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	5.429		C1/C2 1.71
GASOLINE	5.419		A /D2 1.89
NAPHTHENES	2.016	37.20	D1/D2 .00
C6-7	3.712	68.50	C1/D2 3.73
			CH/MCP .80
			NP/IP .91
PARAFFIN INDEX 1	1.601		
PARAFFIN INDEX 2	10.800		

86779-0	ESSO NO.1 7121/1	1340
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.007	
IBUTANE	.002	.02
NBUTANE	.038	.46
IPENTANE	.700	8.40
NPENTANE	.618	7.41
22-DMB	.080	.96
CPENTANE	.043	.52
23-DMB	.181	2.17
2-MP	1.000	11.99
3-MP	.558	6.69
NHEXANE	.844	10.12
MCP	.768	9.21
22-DMP	.014	.17
24-DMP	.098	1.18
223-TMB	.000	.00
CHEXANE	.657	7.88
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	.325	3.90
23-DMP	.330	3.96
3-MHEXANE	.470	5.64
1C3-DMCP	.117	1.40
1T3-DMCP	.118	1.42
1T2-DMCP	.294	3.53
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	.333	3.99
1C2-DMCP	.014	.17
MCH	.735	8.82

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	8.344		C1/C2 1.31
GASOLINE	8.337		A /D2 2.51
NAPHTHENES	2.746	32.94	D1/D2 .00
C6-7	5.117	61.38	C1/D2 3.65
			CH/MCP .86
			NP/IP .88
PARAFFIN INDEX 1	1.502		
PARAFFIN INDEX 2	9.854		

86779-P	ESSO NO.1 7121/1	1370
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.058	
IBUTANE	.034	2.35
NBUTANE	.028	1.93
IPENTANE	.058	4.00
NPENTANE	.055	3.80
22-DMB	.045	3.11
CPENTANE	.008	.55
23-DMB	.026	1.79
2-MP	.111	7.66
3-MP	.062	4.28
NHEXANE	.067	4.62
MCP	.121	8.35
22-DMP	.000	.00
24-DMP	.016	1.10
223-TMB	.000	.00
CHEXANE	.115	7.94
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	.045	3.11
23-DMP	.068	4.69
3-MHEXANE	.080	5.52
1C3-DMCP	.028	1.93
1T3-DMCP	.027	1.86
1T2-DMCP	.076	5.24
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	.034	2.35
1C2-DMCP	.339	23.40
MCH	.006	.41

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	1.907		C1/C2 .28
GASOLINE	1.449		A /D2 1.26
NAPHTHENES	.720	49.69	D1/D2 .00
C6-7	1.022	70.53	C1/D2 2.88
			CH/MCP .95
			NP/IP .96
PARAFFIN INDEX 1	.954		
PARAFFIN INDEX 2	7.098		

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86779-R ESSO NO.1 7121/1 1430			87175-S ESSO NO.1 7121/1 1470		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000	
PROPANE	.013		PROPANE	.010	
IBUTANE	.021	.14	IBUTANE	.004	.01
NBUTANE	.164	1.08	NBUTANE	.036	.13
IPENTANE	.808	5.32	IPENTANE	.202	.73
NPENTANE	1.108	7.29	NPENTANE	1.144	4.11
22-DMB	.089	.59	22-DMB	.238	.85
CPENTANE	.037	.24	CPENTANE	.041	.15
23-DMB	.192	1.26	23-DMB	.415	1.49
2-MP	1.776	11.68	2-MP	2.780	9.98
3-MP	.918	6.04	3-MP	1.548	5.56
NHEXANE	1.528	10.05	NHEXANE	2.084	7.48
MCP	.855	5.62	MCP	1.971	7.08
22-DMP	.020	.13	22-DMP	.047	.17
24-DMP	.224	1.47	24-DMP	.359	1.29
223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	.619	4.07	CHEXANE	2.429	8.72
33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	1.548	10.31	2-MHEXANE	1.900	6.82
23-DMP	.286	1.88	23-DMP	1.312	4.71
3-MHEXANE	1.112	7.31	3-MHEXANE	2.069	7.43
1C3-DMCP	.329	2.16	1C3-DMCP	.482	1.73
1T3-DMCP	.235	1.55	1T3-DMCP	.468	1.68
1T2-DMCP	.537	3.53	1T2-DMCP	1.140	4.09
3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	1.137	7.48	NHEPTANE	2.546	9.14
1C2-DMCP	.029	.19	1C2-DMCP	.092	.33
MCH	1.610	10.59	MCH	4.547	16.32

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS		TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	15.215		C1/C2 1.91	ALL COMP	27.864		C1/C2 2.14
GASOLINE	15.202		A /D2 2.40	GASOLINE	27.854		A /D2 2.24
NAPHTHENES	4.251	27.96	D1/D2 .80	NAPHTHENES	11.170	40.10	D1/D2 .00
C6-7	10.089	66.37	C1/D2 3.42	C6-7	21.446	76.99	C1/D2 4.29
			CH/MCP .72				CH/MCP 1.23
			NP/IP 1.37				NP/IP 5.67
PARAFFIN INDEX 1	2.434			PARAFFIN INDEX 1	1.899		
PARAFFIN INDEX 2	15.296			PARAFFIN INDEX 2	15.071		

87175-T ESSO NO.1 7121/1 1500			87186-C ESSO NO.1 7121/1 1540		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000	
PROPANE	.011		PROPANE	.017	
IBUTANE	.003	.03	IBUTANE	.055	.26
NBUTANE	.067	.60	NBUTANE	.442	2.13
IPENTANE	.837	7.48	IPENTANE	1.790	8.17
NPENTANE	1.092	9.76	NPENTANE	2.966	14.26
22-DMB	.075	.67	22-DMB	.108	.52
CPENTANE	.049	.44	CPENTANE	.107	.51
23-DMB	.166	1.48	23-DMB	.218	1.05
2-MP	1.432	12.80	2-MP	2.198	10.57
3-MP	.755	6.75	3-MP	1.159	5.57
NHEXANE	1.076	9.62	NHEXANE	2.444	11.75
MCP	.671	6.00	MCP	1.096	5.27
22-DMP	.017	.15	22-DMP	.020	.10
24-DMP	.131	1.17	24-DMP	.186	.89
223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	.575	5.14	CHEXANE	.938	4.51
33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	.545	4.85	2-MHEXANE	.992	4.77
23-DMP	.430	3.84	23-DMP	.805	3.87
3-MHEXANE	.761	6.80	3-MHEXANE	1.064	5.13
1C3-DMCP	.145	1.30	1C3-DMCP	.335	1.61
1T3-DMCP	.154	1.38	1T3-DMCP	.250	1.20
1T2-DMCP	.378	3.38	1T2-DMCP	.571	2.78
3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	.580	5.18	NHEPTANE	1.362	6.55
1C2-DMCP	.022	.20	1C2-DMCP	.036	.17
MCH	1.228	10.98	MCH	1.944	9.35

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS		TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	11.198		C1/C2 1.7.	ALL COMP	20.815		C1/C2 1.86
GASOLINE	11.187		A /D2 2.18	GASOLINE	20.798		A /D2 3.57
NAPHTHENES	3.222	28.80	D1/D2 .00	NAPHTHENES	5.977	24.41	D1/D2 .00
C6-7	6.711	59.99	C1/D2 3.08	C6-7	11.845	56.95	C1/D2 3.63
			CH/MCP .86				CH/MCP .86
			NP/IP 1.30				NP/IP 1.74
PARAFFIN INDEX 1	1.926			PARAFFIN INDEX 1	2.152		
PARAFFIN INDEX 2	12.098			PARAFFIN INDEX 2	16.891		

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87219-E ESSO NO.1 7121/1			1542			86790-C ESSO NO.1 7121/1			1590		
COMPONENT	TOTAL PPM	NORM PERCENT				COMPONENT	TOTAL PPM	NORM PERCENT			
METHANE	.000					METHANE	.000				
ETHANE	.000					ETHANE	.000				
PROPANE	.000					PROPANE	.016				
IBUTANE	.055					IBUTANE	.013	.08			
NBUTANE	.236	.36				NBUTANE	.053	.34			
IPENTANE	2.047	13.28				IPENTANE	1.600	3.85			
NPENTANE	2.580	16.74				NPENTANE	1.931	12.39			
22-DMB	.097	.63				22-DMB	.082	.53			
CPENTANE	.166	1.08				CPENTANE	.053	.34			
23-DMB	.165	1.07				23-DMB	.163	1.05			
2-MP	1.440	9.34				2-MP	1.609	10.33			
3-MP	.704	4.57				3-MP	.867	5.56			
NHEXANE	1.923	12.48				NHEXANE	2.048	13.14			
MCP	.902	5.85				MCP	.818	5.25			
22-DMP	.000	.00				22-DMP	.017	.11			
24-DMP	.058	.38				24-DMP	.130	.83			
223-TMB	.005	.03				223-TMB	.000	.00			
CHEXANE	.718	4.66				CHEXANE	.734	4.71			
33-DMP	.000	.00				33-DMP	.000	.00			
11-DMCP	.000	.00				11-DMCP	.000	.00			
2-MHEXANE	.492	3.19				2-MHEXANE	.717	4.60			
23-DMP	.141	.91				23-DMP	.637	4.09			
3-MHEXANE	.374	2.43				3-MHEXANE	.798	5.12			
1C3-DMCP	.149	1.23				1C3-DMCP	.272	1.75			
1T3-DMCP	.143	.93				1T3-DMCP	.211	1.35			
1T2-DMCP	.287	1.86				1T2-DMCP	.316	2.03			
3-EPENT	.000	.00				3-EPENT	.000	.00			
224-TMP	.000	.00				224-TMP	.000	.00			
NHEPTANE	1.190	7.77				NHEPTANE	1.293	8.30			
1C2-DMCP	.029	.19				1C2-DMCP	.037	.24			
MCH	1.461	9.48				MCH	2.183	14.01			

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	15.410		C1/C2	1.72	ALL COMP	15.598		C1/C2	2.20
GASOLINE	15.410		A /D2	8.35	GASOLINE	15.582		A /D2	4.19
NAPHTHENES	3.895	25.28	D1/D2	.00	NAPHTHENES	4.624	29.68	D1/D2	.00
C6-7	7.920	51.40	C1/D2	7.14	C6-7	10.211	65.53	C1/D2	4.55
			CH/MCP	.80				CH/MCP	.90
			NP/IP	1.26				NP/IP	3.22
PARAFFIN INDEX 1	1.399				PARAFFIN INDEX 1	1.896			
PARAFFIN INDEX 2	23.945				PARAFFIN INDEX 2	18.056			

  

86790-D ESSO NO.1 7121/1			1620			87219-C ESSO NO.1 7121/1			1635		
COMPONENT	TOTAL PPM	NORM PERCENT				COMPONENT	TOTAL PPM	NORM PERCENT			
METHANE	.000					METHANE	.000				
ETHANE	.000					ETHANE	.000				
PROPANE	.000					PROPANE	.000				
IBUTANE	.004	.02				IBUTANE	.026	.17			
NBUTANE	.019	.08				NBUTANE	.187	1.22			
IPENTANE	.115	.48				IPENTANE	2.025	13.17			
NPENTANE	.930	3.89				NPENTANE	2.933	19.08			
22-DMB	.069	.29				22-DMB	.087	.57			
CPENTANE	.140	.59				CPENTANE	.232	1.51			
23-DMB	.000	.00				23-DMB	.155	1.01			
2-MP	1.951	8.17				2-MP	1.290	8.39			
3-MP	.961	4.02				3-MP	.711	4.62			
NHEXANE	2.923	12.24				NHEXANE	2.056	13.37			
MCP	.737	3.09				MCP	.880	5.72			
22-DMP	.033	.14				22-DMP	.000	.00			
24-DMP	.409	1.71				24-DMP	.059	.38			
223-TMB	.000	.00				223-TMB	.008	.05			
CHEXANE	.419	1.75				CHEXANE	.833	5.42			
33-DMP	.000	.00				33-DMP	.000	.00			
11-DMCP	.000	.00				11-DMCP	.000	.00			
2-MHEXANE	3.556	14.89				2-MHEXANE	.500	3.25			
23-DMP	.486	2.03				23-DMP	.139	.90			
3-MHEXANE	2.606	10.91				3-MHEXANE	.371	2.41			
1C3-DMCP	.433	1.81				1C3-DMCP	.164	1.07			
1T3-DMCP	.306	1.28				1T3-DMCP	.125	.81			
1T2-DMCP	.667	2.79				1T2-DMCP	.259	1.68			
3-EPENT	.000	.00				3-EPENT	.000	.00			
224-TMP	.000	.00				224-TMP	.000	.00			
NHEPTANE	4.635	19.40				NHEPTANE	.957	6.22			
1C2-DMCP	.043	.18				1C2-DMCP	.024	.16			
MCH	2.444	10.23				MCH	1.353	8.80			

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	23.886		C1/C2	2.94	ALL COMP	15.374		C1/C2	1.85
GASOLINE	23.886		A /D2	2.90	GASOLINE	15.374		A /D2	8.13
NAPHTHENES	5.189	21.72	D1/D2	.00	NAPHTHENES	3.870	25.17	D1/D2	.00
C6-7	19.697	82.46	C1/D2	2.46	C6-7	7.728	50.27	C1/D2	7.24
			CH/MCP	.57				CH/MCP	.95
			NP/IP	8.08				NP/IP	1.45
PARAFFIN INDEX 1	4.382				PARAFFIN INDEX 1	1.589			
PARAFFIN INDEX 2	29.803				PARAFFIN INDEX 2	20.357			

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86790-E	ESSO NO.1 7121/1	1650
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.000	
IBUTANE	.004	.02
NBUTANE	.040	.23
IPENTANE	.146	.86
NPENTANE	.968	5.69
22-DMB	.090	.53
CPENTANE	.024	.14
23-DMB	.185	1.09
2-MP	1.961	11.52
3-MP	1.031	6.06
NHEXANE	2.330	13.69
MCP	1.065	6.26
22-DMP	.020	.12
24-DMP	.193	1.13
223-TMB	.000	.00
CHEXANE	.911	5.35
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	1.695	9.96
23-DMP	.317	1.86
3-MHEXANE	1.270	7.46
1C3-DMCP	.323	1.90
1T3-DMCP	.235	1.38
1T2-DMCP	.496	2.91
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	1.797	10.56
1C2-DMCP	.033	.19
MCH	1.891	11.11

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	17.025		C1/C2 2.09
GASOLINE	17.025		A /D2 3.25
NAPHTHENES	4.978	29.24	D1/D2 .00
C6-7	12.576	73.87	C1/D2 3.54
			CH/MCP .86
			NP/IP 6.64
PARAFFIN INDEX 1	2.813		
PARAFFIN INDEX 2	20.111		

87186-L	ESSO NO.1 7121/1	1690
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.006	
IBUTANE	.015	.08
NBUTANE	.102	.53
IPENTANE	.555	2.86
NPENTANE	2.948	15.21
22-DMB	.084	.43
CPENTANE	.095	.49
23-DMB	.191	.99
2-MP	1.968	10.15
3-MP	1.040	5.37
NHEXANE	2.533	13.07
MCP	1.187	6.12
22-DMP	.014	.07
24-DMP	.135	.70
223-TMB	.000	.00
CHEXANE	1.111	5.73
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	.821	4.24
23-DMP	.676	3.49
3-MHEXANE	.925	4.77
1C3-DMCP	.358	1.85
1T3-DMCP	.276	1.42
1T2-DMCP	.378	1.95
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	1.368	7.06
1C2-DMCP	.040	.21
MCH	2.560	13.21

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	19.386		C1/C2 2.01
GASOLINE	19.380		A /D2 4.22
NAPHTHENES	6.005	30.99	D1/D2 .00
C6-7	12.382	63.89	C1/D2 4.86
			CH/MCP .94
			NP/IP 5.31
PARAFFIN INDEX 1	1.725		
PARAFFIN INDEX 2	16.145		

86790-G	ESSO NO.1 7121/1	1710
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.000	
IBUTANE	.007	.02
NBUTANE	.458	1.35
IPENTANE	1.971	5.79
NPENTANE	3.021	8.88
22-DMB	.171	.50
CPENTANE	.232	.68
23-DMB	.408	1.20
2-MP	3.180	9.34
3-MP	1.869	5.49
NHEXANE	4.597	13.51
MCP	2.396	7.04
22-DMP	.052	.15
24-DMP	.280	.82
223-TMB	.000	.00
CHEXANE	2.549	7.49
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	2.372	6.97
23-DMP	.681	2.00
3-MHEXANE	1.851	5.44
1C3-DMCP	.573	1.68
1T3-DMCP	.471	1.38
1T2-DMCP	.928	2.73
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	2.714	7.97
1C2-DMCP	.060	.18
MCH	3.196	9.39

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	34.837		C1/C2 1.83
GASOLINE	34.837		A /D2 3.95
NAPHTHENES	10.405	30.57	D1/D2 .00
C6-7	22.720	66.75	C1/D2 4.39
			CH/MCP 1.06
			NP/IP 1.53
PARAFFIN INDEX 1	2.141		
PARAFFIN INDEX 2	17.698		

86790-I	ESSO NO.1 7121/1	1770
COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.000	
IBUTANE	.006	.35
NBUTANE	1.028	3.74
IPENTANE	2.452	8.93
NPENTANE	3.864	14.07
22-DMB	.146	.53
CPENTANE	.229	.83
23-DMB	.277	1.01
2-MP	2.537	9.24
3-MP	1.395	5.08
NHEXANE	3.422	12.46
MCP	1.672	6.09
22-DMP	.022	.08
24-DMP	.169	.62
223-TMB	.000	.00
CHEXANE	1.804	6.57
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	1.043	3.80
23-DMP	.724	2.64
3-MHEXANE	1.169	4.26
1C3-DMCP	.318	1.16
1T3-DMCP	.325	1.18
1T2-DMCP	.656	2.39
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	1.806	6.58
1C2-DMCP	.045	.16
MCH	2.254	8.21

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	27.453		C1/C2 1.69
GASOLINE	27.453		A /D2 4.47
NAPHTHENES	7.303	26.60	D1/D2 .00
C6-7	15.429	56.20	C1/D2 4.36
			CH/MCP 1.08
			NP/IP 1.58
PARAFFIN INDEX 1	1.702		
PARAFFIN INDEX 2	17.882		

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86790-K ESSO NO.1 7121/1			1830			87197-E ESSO NO.1 7121/1			1900		
COMPONENT	TOTAL PPM	NORM PERCENT				COMPONENT	TOTAL PPM	NORM PERCENT			
METHANE	.000					METHANE	.000				
ETHANE	.000					ETHANE	.000				
PROPANE	.000					PROPANE	.000				
IBUTANE	.086	.44				IBUTANE	.007	.02			
NBUTANE	1.171	5.95				NBUTANE	.079	.26			
IPENTANE	1.994	10.13				IPENTANE	.279	.92			
NPENTANE	3.064	15.56				NPENTANE	2.451	8.10			
22-DMB	.125	.63				22-DMB	.147	.49			
CPENTANE	.174	.88				CPENTANE	1.003	3.31			
23-DMB	.214	1.09				23-DMB	1.582	5.23			
2-MP	1.968	9.99				2-MP	3.151	10.41			
3-MP	1.097	5.57				3-MP	1.781	5.88			
NHEXANE	2.629	13.35				NHEXANE	4.792	15.83			
MCP	1.186	6.02				MCP	2.152	7.11			
22-DMP	.014	.07				22-DMP	.019	.06			
24-DMP	.124	.63				24-DMP	.162	.54			
223-TMB	.000	.00				223-TMB	.000	.00			
CHEXANE	1.163	5.91				CHEXANE	2.522	8.33			
33-DMP	.000	.00				33-DMP	.000	.00			
11-DMCP	.000	.00				11-DMCP	.000	.00			
2-MHEXANE	.667	3.39				2-MHEXANE	.993	3.28			
23-DMP	.573	2.91				23-DMP	.813	2.69			
3-MHEXANE	.724	3.69				3-MHEXANE	1.171	3.87			
1C3-DMCP	.268	1.36				1C3-DMCP	.268	.89			
1T3-DMCP	.214	1.09				1T3-DMCP	.390	1.29			
1T2-DMCP	.279	1.42				1T2-DMCP	.758	2.50			
3-EPENT	.000	.00				3-EPENT	.000	.00			
224-TMP	.000	.00				224-TMP	.000	.00			
NHEPTANE	.847	4.30				NHEPTANE	2.284	7.55			
1C2-DMCP	.022	.11				1C2-DMCP	.062	.20			
MCH	1.087	5.52				MCH	3.403	11.24			
	TOTALS PPM	NORM PERCENT	SIG	COMP	RATIOS		TOTALS PPM	NORM PERCENT	SIG	COMP	RATIOS
ALL COMP	19.692		C1/C2		1.48	ALL COMP	30.269		C1/C2		1.91
GASOLINE	19.692		A /D2		4.79	GASOLINE	30.269		A /D2		6.04
NAPHTHENES	4.393	22.31	D1/D2		.00	NAPHTHENES	10.558	34.88	D1/D2		.00
C6-7	9.799	49.76	C1/D2		4.02	C6-7	19.789	63.38	C1/D2		5.91
			CH/MCP		.98				CH/MCP		1.17
			NP/IP		1.54				NP/IP		8.88
PARAFFIN INDEX 1	1.830					PARAFFIN INDEX 1	1.528				
PARAFFIN INDEX 2	14.543					PARAFFIN INDEX 2	18.124				

  

86790-P ESSO NO.1 7121/1			1990			87219-B ESSO NO.1 7121/1			2046		
COMPONENT	TOTAL PPM	NORM PERCENT				COMPONENT	TOTAL PPM	NORM PERCENT			
METHANE	.000					METHANE	.000				
ETHANE	.000					ETHANE	.000				
PROPANE	.000					PROPANE	.000				
IBUTANE	.003	.02				IBUTANE	.313	1.66			
NBUTANE	.128	.84				NBUTANE	3.497	18.49			
IPENTANE	1.492	9.73				IPENTANE	2.360	12.48			
NPENTANE	2.174	14.18				NPENTANE	2.749	14.54			
22-DMB	.064	.42				22-DMB	.050	.26			
CPENTANE	.190	1.24				CPENTANE	.203	1.07			
23-DMB	.165	1.08				23-DMB	.167	.88			
2-MP	1.343	8.76				2-MP	1.547	8.18			
3-MP	.766	5.00				3-MP	.725	3.83			
NHEXANE	1.697	11.07				NHEXANE	1.908	10.09			
MCP	1.065	6.95				MCP	1.038	5.49			
22-DMP	.010	.07				22-DMP	.000	.00			
24-DMP	.077	.50				24-DMP	.048	.25			
223-TMB	.000	.00				223-TMB	.005	.03			
CHEXANE	1.351	8.81				CHEXANE	.675	3.56			
33-DMP	.000	.00				33-DMP	.000	.00			
11-DMCP	.000	.00				11-DMCP	.000	.00			
2-MHEXANE	.469	3.06				2-MHEXANE	.458	2.42			
23-DMP	.439	2.86				23-DMP	.124	.66			
3-MHEXANE	.331	3.46				3-MHEXANE	.454	2.40			
1C3-DMCP	.224	1.47				1C3-DMCP	.148	.78			
1T3-DMCP	.180	1.17				1T3-DMCP	.143	.76			
1T2-DMCP	.259	1.69				1T2-DMCP	.293	1.55			
3-EPENT	.000	.00				3-EPENT	.000	.00			
224-TMP	.000	.00				224-TMP	.000	.00			
NHEPTANE	.932	6.08				NHEPTANE	.922	4.88			
1C2-DMCP	.029	.19				1C2-DMCP	.023	.12			
MCH	1.739	11.34				MCH	1.060	5.61			
	TOTALS PPM	NORM PERCENT	SIG	COMP	RATIOS		TOTALS PPM	NORM PERCENT	SIG	COMP	RATIOS
ALL COMP	15.329		C1/C2		2.02	ALL COMP	18.908		C1/C2		1.33
GASOLINE	15.329		A /D2		4.95	GASOLINE	18.908		A /D2		6.24
NAPHTHENES	5.039	32.87	D1/D2		.00	NAPHTHENES	3.581	18.94	D1/D2		.00
C6-7	9.004	58.74	C1/D2		6.70	C6-7	7.297	38.59	C1/D2		4.83
			CH/MCP		1.27				CH/MCP		.65
			NP/IP		1.46				NP/IP		1.16
PARAFFIN INDEX 1	1.503					PARAFFIN INDEX 1	1.561				
PARAFFIN INDEX 2	15.213					PARAFFIN INDEX 2	21.567				



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87197-P	ESSO NO.1 7121/1	2090	
COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000		
ETHANE	.000		
PROPANE	.302		
IBUTANE	.534	4.30	
NBUTANE	1.678	13.51	
IPENTANE	1.343	10.81	
NPENTANE	1.890	15.22	
22-DMB	.021	.17	
CPENTANE	.124	1.00	
23-DMB	.106	.85	
2-MP	.970	7.81	
3-MP	.462	3.72	
NHEXANE	1.356	10.92	
MCP	.666	5.36	
22-DMP	.000	.00	
24-DMP	.035	.28	
223-TMB	.000	.00	
CHEXANE	.547	4.40	
33-DMP	.000	.00	
11-DMCP	.000	.00	
2-MHEXANE	.266	2.14	
23-DMP	.171	1.38	
3-MHEXANE	.320	2.58	
1C3-DMCP	.108	.87	
1T3-DMCP	.117	.94	
1T2-DMCP	.225	1.81	
3-EPENT	.000	.00	
224-TMP	.000	.00	
NHEPTANE	.667	5.37	
1C2-DMCP	.016	.13	
MCH	.796	6.41	

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	12.720		C1/C2	1.42
GASOLINE	12.418		A /D2	6.33
NAPHTHENES	2.599	20.93	D1/D2	.00
C6-7	5.290	42.60	C1/D2	5.03
			CN/MCP	.82
			NP/IP	1.41
PARAFFIN INDEX 1	1.302			
PARAFFIN INDEX 2	20.733			

87219-A	ESSO NO.1 7121/1	2090	
COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000		
ETHANE	.000		
PROPANE	.000		
IBUTANE	.228	3.71	
NBUTANE	.570	9.27	
IPENTANE	.691	11.24	
NPENTANE	.919	14.95	
22-DMB	.057	.93	
CPENTANE	.045	.73	
23-DMB	.059	.96	
2-MP	.544	9.17	
3-MP	.264	4.29	
NHEXANE	.821	13.35	
MCP	.515	5.12	
22-DMP	.000	.00	
24-DMP	.021	.34	
223-TMB	.000	.00	
CHEXANE	.229	3.72	
33-DMP	.000	.00	
11-DMCP	.000	.00	
2-MHEXANE	.000	.00	
23-DMP	.000	.00	
3-MHEXANE	.000	.00	
1C3-DMCP	.513	5.89	
1T3-DMCP	.171	2.78	
1T2-DMCP	.056	.91	
3-EPENT	.000	.00	
224-TMP	.000	.00	
NHEPTANE	.457	7.43	
1C2-DMCP	.002	.03	
MCH	.366	5.95	

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	6.148		C1/C2	.69
GASOLINE	6.148		A /D2	999.99
NAPHTHENES	1.497	24.35	D1/D2	.00
C6-7	2.751	44.75	C1/D2	999.99
			CN/MCP	.73
			NP/IP	1.33
PARAFFIN INDEX 1	.000			
PARAFFIN INDEX 2	28.706			

86790-V	ESSO NO.1 7121/1	2150	
COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000		
ETHANE	.000		
PROPANE	.197		
IBUTANE	.278	3.33	
NBUTANE	.811	9.72	
IPENTANE	.895	10.72	
NPENTANE	1.372	16.44	
22-DMB	.011	.13	
CPENTANE	.060	.72	
23-DMB	.085	1.02	
2-MP	.730	8.75	
3-MP	.351	4.21	
NHEXANE	1.113	13.34	
MCP	.392	4.70	
22-DMP	.000	.00	
24-DMP	.031	.37	
223-TMB	.000	.00	
CHEXANE	.338	4.05	
33-DMP	.000	.00	
11-DMCP	.000	.00	
2-MHEXANE	.262	3.14	
23-DMP	.061	.73	
3-MHEXANE	.210	2.52	
1C3-DMCP	.058	.70	
1T3-DMCP	.058	.70	
1T2-DMCP	.117	1.40	
3-EPENT	.000	.00	
224-TMP	.000	.00	
NHEPTANE	.508	6.09	
1C2-DMCP	.029	.35	
MCH	.575	6.89	

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	8.542		C1/C2	1.79
GASOLINE	8.345		A /D2	7.73
NAPHTHENES	1.627	19.50	D1/D2	.00
C6-7	3.752	44.96	C1/D2	5.60
			CN/MCP	.86
			NP/IP	1.53
PARAFFIN INDEX 1	2.025			
PARAFFIN INDEX 2	23.228			

88055-B	ESSO NO.1 7121/1	2208	
COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000		
ETHANE	.000		
PROPANE	.000		
IBUTANE	.183	.78	
NBUTANE	.459	1.95	
IPENTANE	1.008	4.28	
NPENTANE	1.225	5.20	
22-DMB	.011	.05	
CPENTANE	.138	.59	
23-DMB	.117	.50	
2-MP	1.559	6.61	
3-MP	1.089	4.62	
NHEXANE	1.727	7.33	
MCP	2.177	9.24	
22-DMP	.000	.00	
24-DMP	.094	.40	
223-TMB	.000	.00	
CHEXANE	1.002	4.25	
33-DMP	.000	.00	
11-DMCP	.000	.00	
2-MHEXANE	.845	3.58	
23-DMP	1.390	5.90	
3-MHEXANE	1.494	6.34	
1C3-DMCP	1.488	6.31	
1T3-DMCP	1.237	5.25	
1T2-DMCP	2.295	9.74	
3-EPENT	.000	.00	
224-TMP	.000	.00	
NHEPTANE	1.448	6.14	
1C2-DMCP	.253	1.07	
MCH	2.333	9.90	

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	23.572		C1/C2	.56
GASOLINE	23.572		A /D2	2.13
NAPHTHENES	10.923	46.34	D1/D2	.00
C6-7	17.783	75.44	C1/D2	2.80
			CN/MCP	.46
			NP/IP	1.22
PARAFFIN INDEX 1	.465			
PARAFFIN INDEX 2	10.700			

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87615-D ESSO NO.1 7121/1			2220			88055-D ESSO NO.1 7121/1			2371		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.321		PROPANE	.000		PROPANE	.000		PROPANE	.000	
IBUTANE	.568	.69	IBUTANE	.017		IBUTANE	.017	.02	IBUTANE	.017	.30
NBUTANE	2.607	3.17	NBUTANE	.215		NBUTANE	.215	3.85	NBUTANE	.215	3.85
IPENTANE	3.991	4.85	IPENTANE	2.788		IPENTANE	2.788	6.51	IPENTANE	2.788	6.51
NPENTANE	6.900	8.38	NPENTANE	4.561		NPENTANE	4.561	19	NPENTANE	4.561	19
22-DMB	.051	.06	22-DMB	.134		22-DMB	.134	.57	22-DMB	.134	.57
CPENTANE	.610	.74	CPENTANE	.249		CPENTANE	.249	.54	CPENTANE	.249	.54
23-DMB	.381	.46	23-DMB	.387		23-DMB	.387	7.85	23-DMB	.387	7.85
2-MP	5.722	6.95	2-MP	5.680		2-MP	5.680	4.30	2-MP	5.680	4.30
3-MP	3.602	4.38	3-MP	3.108		3-MP	3.108	13.25	3-MP	3.108	13.25
NHEXANE	8.726	10.60	NHEXANE	9.581		NHEXANE	9.581	5.19	NHEXANE	9.581	5.19
MCP	7.388	8.97	MCP	3.757		MCP	3.757	.03	MCP	3.757	.03
22-DMP	.009	.01	22-DMP	.021		22-DMP	.021	.61	22-DMP	.021	.61
24-DMP	.220	.27	24-DMP	.440		24-DMP	.440	.00	24-DMP	.440	.00
223-TMB	.000	.00	223-TMB	.000		223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	3.366	4.09	CHEXANE	3.825		CHEXANE	3.825	5.29	CHEXANE	3.825	5.29
33-DMP	.000	.00	33-DMP	.000		33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000		11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	2.322	2.82	2-MHEXANE	4.972		2-MHEXANE	4.972	6.87	2-MHEXANE	4.972	6.87
23-DMP	3.105	3.77	23-DMP	1.453		23-DMP	1.453	2.01	23-DMP	1.453	2.01
3-MHEXANE	3.671	4.46	3-MHEXANE	4.074		3-MHEXANE	4.074	2.65	3-MHEXANE	4.074	2.65
1C3-DMCP	4.076	4.95	1C3-DMCP	1.918		1C3-DMCP	1.918	2.07	1C3-DMCP	1.918	2.07
1T3-DMCP	3.556	4.32	1T3-DMCP	1.500		1T3-DMCP	1.500	5.96	1T3-DMCP	1.500	5.96
1T2-DMCP	5.494	6.67	1T2-DMCP	2.865		1T2-DMCP	2.865	.00	1T2-DMCP	2.865	.00
3-EPENT	.000	.00	3-EPENT	.000		3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000		224-TMP	.000	13.81	224-TMP	.000	13.81
NHEPTANE	6.925	8.41	NHEPTANE	9.989		NHEPTANE	9.989	.33	NHEPTANE	9.989	.33
1C2-DMCP	.918	1.12	1C2-DMCP	.241		1C2-DMCP	.241	14.56	1C2-DMCP	.241	14.56
MCH	8.117	9.86	MCH	10.528		MCH	10.528		MCH	10.528	

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS		TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	82.646		C1/C2 1.61	ALL COMP	72.323		C1/C2 1.88
GASOLINE	82.325		A/D2 4.26	GASOLINE	72.323		A/D2 4.80
NAPHTHENES	33.525	40.72	D1/D2 .00	NAPHTHENES	24.903	34.43	D1/D2 .00
C6-7	57.893	70.32	C1/D2 3.76	C6-7	55.164	76.27	C1/D2 4.74
			CM/MCP .46				CM/MCP 1.02
			NP/IP 1.73				NP/IP 1.64
PARAFFIN INDEX 1	.456			PARAFFIN INDEX 1	1.439		
PARAFFIN INDEX 2	17.043			PARAFFIN INDEX 2	24.289		

  

87615-L ESSO NO.1 7121/1			2380			87615-Q ESSO NO.1 7121/1			2460		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000		METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000		ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.018		PROPANE	.018		PROPANE	.018	
IBUTANE	.121	.16	IBUTANE	.013		IBUTANE	.013	.01	IBUTANE	.013	.01
NBUTANE	.007	.01	NBUTANE	.265		NBUTANE	.265	.30	NBUTANE	.265	.30
IPENTANE	.653	.84	IPENTANE	4.766		IPENTANE	4.766	5.44	IPENTANE	4.766	5.44
NPENTANE	7.506	9.62	NPENTANE	13.187		NPENTANE	13.187	15.05	NPENTANE	13.187	15.05
22-DMB	.263	.34	22-DMB	.276		22-DMB	.276	.31	22-DMB	.276	.31
CPENTANE	.589	.75	CPENTANE	1.126		CPENTANE	1.126	1.28	CPENTANE	1.126	1.28
23-DMB	.579	.74	23-DMB	.650		23-DMB	.650	.74	23-DMB	.650	.74
2-MP	7.124	9.13	2-MP	7.598		2-MP	7.598	8.67	2-MP	7.598	8.67
3-MP	3.920	5.02	3-MP	4.085		3-MP	4.085	4.66	3-MP	4.085	4.66
NHEXANE	11.472	14.70	NHEXANE	12.162		NHEXANE	12.162	13.88	NHEXANE	12.162	13.88
MCP	6.124	7.85	MCP	6.908		MCP	6.908	7.88	MCP	6.908	7.88
22-DMP	.038	.05	22-DMP	.050		22-DMP	.050	.03	22-DMP	.050	.03
24-DMP	.389	.50	24-DMP	.349		24-DMP	.349	.40	24-DMP	.349	.40
223-TMB	.000	.00	223-TMB	.000		223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	7.058	9.05	CHEXANE	7.833		CHEXANE	7.833	8.94	CHEXANE	7.833	8.94
33-DMP	.000	.00	33-DMP	.000		33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000		11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	3.172	4.07	2-MHEXANE	2.695		2-MHEXANE	2.695	3.08	2-MHEXANE	2.695	3.08
23-DMP	2.175	2.79	23-DMP	1.991		23-DMP	1.991	2.27	23-DMP	1.991	2.27
3-MHEXANE	3.491	4.47	3-MHEXANE	2.944		3-MHEXANE	2.944	3.36	3-MHEXANE	2.944	3.36
1C3-DMCP	.973	1.25	1C3-DMCP	.948		1C3-DMCP	.948	1.08	1C3-DMCP	.948	1.08
1T3-DMCP	1.439	1.84	1T3-DMCP	1.322		1T3-DMCP	1.322	1.51	1T3-DMCP	1.322	1.51
1T2-DMCP	2.700	3.46	1T2-DMCP	2.453		1T2-DMCP	2.453	2.80	1T2-DMCP	2.453	2.80
3-EPENT	.000	.00	3-EPENT	.000		3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000		224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	8.062	10.33	NHEPTANE	7.025		NHEPTANE	7.025	8.02	NHEPTANE	7.025	8.02
1C2-DMCP	.235	.30	1C2-DMCP	.229		1C2-DMCP	.229	.26	1C2-DMCP	.229	.26
MCH	9.932	12.73	MCH	8.786		MCH	8.786	10.02	MCH	8.786	10.02

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS		TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	78.822		C1/C2 1.76	ALL COMP	87.659		C1/C2 1.63
GASOLINE	78.822		A/D2 5.60	GASOLINE	87.641		A/D2 6.52
NAPHTHENES	29.050	37.23	D1/D2 .00	NAPHTHENES	29.605	33.78	D1/D2 .00
C6-7	57.260	73.39	C1/D2 5.78	C6-7	55.675	63.53	C1/D2 6.96
			CM/MCP 1.15				CM/MCP 1.13
			NP/IP 11.50				NP/IP 2.77
PARAFFIN INDEX 1	1.303			PARAFFIN INDEX 1	1.193		
PARAFFIN INDEX 2	20.670			PARAFFIN INDEX 2	19.515		

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87846-D ESSO NO.1 7121/1			2530			88055-G ESSO NO.1 7121/1			2553		
COMPONENT	TOTAL PPM	NORM PERCENT				COMPONENT	TOTAL PPM	NORM PERCENT			
METHANE	.000					METHANE	.000				
ETHANE	.000					ETHANE	.000				
PROPANE	.000					PROPANE	.000				
IBUTANE	.003	.00				IBUTANE	.029	.03			
NBUTANE	.103	.08				NBUTANE	.135	.16			
IPENTANE	1.190	.93				IPENTANE	2.738	3.20			
NPENTANE	7.683	5.97				NPENTANE	7.754	9.06			
22-DMB	.524	.41				22-DMB	.313	.37			
CPENTANE	.801	.62				CPENTANE	.358	.42			
23-DMB	.870	.68				23-DMB	.562	.66			
2-MP	11.461	8.91				2-MP	7.953	9.30			
3-MP	6.259	4.87				3-MP	4.282	5.00			
NHEXANE	19.910	15.48				NHEXANE	13.658	15.96			
MCP	9.053	7.04				MCP	5.873	6.86			
22-DMP	.059	.05				22-DMP	.032	.04			
24-DMP	.622	.48				24-DMP	.490	.57			
223-TMB	.000	.00				223-TMB	.000	.00			
CHEXANE	11.344	8.82				CHEXANE	5.458	6.38			
33-DMP	.000	.00				33-DMP	.000	.00			
11-DMCP	.000	.00				11-DMCP	.000	.00			
2-MHEXANE	5.254	4.08				2-MHEXANE	4.111	4.80			
23-DMP	3.537	2.75				23-DMP	3.257	3.80			
3-MHEXANE	5.647	4.39				3-MHEXANE	4.264	4.98			
1C3-DMCP	1.514	1.18				1C3-DMCP	1.949	2.30			
1T3-DMCP	2.262	1.76				1T3-DMCP	1.678	1.96			
1T2-DMCP	4.347	3.38				1T2-DMCP	2.107	2.46			
3-EPENT	.000	.00				3-EPENT	.000	.00			
224-TMP	.000	.00				224-TMP	.000	.00			
NHEPTANE	15.979	12.42				NHEPTANE	8.710	10.18			
1C2-DMCP	.438	.34				1C2-DMCP	.224	.26			
MCH	19.788	15.38				MCH	9.614	11.24			
TOTALS PPM			NORM PERCENT	SIG COMP RATIOS		TOTALS PPM			NORM PERCENT	SIG COMP RATIOS	
ALL COMP	128.648			C1/C2	2.07	ALL COMP	85.559			C1/C2	1.62
GASOLINE	128.648			A /D2	6.36	GASOLINE	85.559			A /D2	5.25
NAPHTHENES	49.547	38.51		D1/D2	.00	NAPHTHENES	27.281	31.89		D1/D2	.00
C6-7	99.754	77.54		C1/D2	6.44	C6-7	61.435	71.80		C1/D2	4.50
				CH/MCP	1.25					CH/MCP	.93
				NP/IP	6.46					NP/IP	2.83
PARAFFIN INDEX 1	1.341					PARAFFIN INDEX 1	1.455				
PARAFFIN INDEX 2	22.934					PARAFFIN INDEX 2	21.162				
88055-H ESSO NO.1 7121/1			2585			88055-I ESSO NO.1 7121/1			2593		
COMPONENT	TOTAL PPM	NORM PERCENT				COMPONENT	TOTAL PPM	NORM PERCENT			
METHANE	.000					METHANE	.000				
ETHANE	.000					ETHANE	.000				
PROPANE	.181					PROPANE	.000				
IBUTANE	.106	.84				IBUTANE	.052	.32			
NBUTANE	.280	2.21				NBUTANE	.051	.49			
IPENTANE	.460	3.63				IPENTANE	.263	1.69			
NPENTANE	.592	4.67				NPENTANE	.260	1.58			
22-DMB	.037	.29				22-DMB	.029	.18			
CPENTANE	.047	.37				CPENTANE	.040	.24			
23-DMB	.070	.55				23-DMB	.067	.41			
2-MP	.848	6.68				2-MP	.630	3.84			
3-MP	.481	3.79				3-MP	.425	2.59			
NHEXANE	1.331	10.49				NHEXANE	.921	5.61			
MCP	.676	5.33				MCP	.697	4.24			
22-DMP	.004	.03				22-DMP	.009	.05			
24-DMP	.078	.61				24-DMP	.097	.59			
223-TMB	.000	.00				223-TMB	.000	.00			
CHEXANE	.683	5.38				CHEXANE	.886	5.39			
33-DMP	.000	.00				33-DMP	.000	.00			
11-DMCP	.000	.00				11-DMCP	.000	.00			
2-MHEXANE	.445	3.51				2-MHEXANE	.873	5.32			
23-DMP	1.014	7.99				23-DMP	.752	4.58			
3-MHEXANE	.662	5.22				3-MHEXANE	1.334	8.12			
1C3-DMCP	.362	2.85				1C3-DMCP	.315	1.92			
1T3-DMCP	.197	1.55				1T3-DMCP	.315	1.92			
1T2-DMCP	.330	2.76				1T2-DMCP	.826	5.03			
3-EPENT	.000	.00				3-EPENT	.000	.00			
224-TMP	.000	.00				224-TMP	.000	.00			
NHEPTANE	1.736	13.68				NHEPTANE	3.145	19.15			
1C2-DMCP	.035	.28				1C2-DMCP	.101	.61			
MCH	2.192	17.28				MCH	4.306	26.22			
TOTALS PPM			NORM PERCENT	SIG COMP RATIOS		TOTALS PPM			NORM PERCENT	SIG COMP RATIOS	
ALL COMP	12.867			C1/C2	2.05	ALL COMP	16.424			C1/C2	2.69
GASOLINE	12.866			A /D2	4.63	GASOLINE	16.424			A /D2	3.05
NAPHTHENES	4.542	35.80		D1/D2	.00	NAPHTHENES	7.486	45.58		D1/D2	.00
C6-7	9.765	76.97		C1/D2	5.01	C6-7	14.577	88.75		C1/D2	4.55
				CH/MCP	1.01					CH/MCP	1.27
				NP/IP	1.29					NP/IP	.99
PARAFFIN INDEX 1	1.217					PARAFFIN INDEX 1	1.515				
PARAFFIN INDEX 2	22.719					PARAFFIN INDEX 2	24.662				

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88055-K ESSO NO.1 7121/1 2608			88055-L ESSO NO.1 7121/1 2616		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.000	
IBUTANE	.211	.86	IBUTANE	.209	.74
NBUTANE	.488	1.99	NBUTANE	.169	.60
IPENTANE	.599	2.44	IPENTANE	.893	3.18
NPENTANE	.468	2.72	NPENTANE	.768	2.74
22-DMB	.027	.11	22-DMB	.060	.21
CPENTANE	.133	.54	CPENTANE	.164	.58
23-DMB	.086	.35	23-DMB	.160	.57
2-MP	.456	2.67	2-MP	1.379	4.91
3-MP	.455	1.85	3-MP	.919	3.27
NHEXANE	.995	4.05	NHEXANE	1.874	6.67
MCP	.971	3.95	MCP	1.820	6.48
22-DMP	.000	.00	22-DMP	.003	.01
24-DMP	.059	.24	24-DMP	.143	.51
223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	1.397	5.69	CHEXANE	2.361	8.41
33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	1.159	4.72	2-MHEXANE	1.337	4.76
23-DMP	.474	1.93	23-DMP	1.387	4.94
3-MHEXANE	1.503	6.12	3-MHEXANE	1.618	5.76
1C3-DMCP	.314	1.28	1C3-DMCP	.689	2.45
1T3-DMCP	.350	1.42	1T3-DMCP	.568	2.02
1T2-DMCP	.865	3.52	1T2-DMCP	.903	3.22
3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	9.306	21.60	NHEPTANE	9.932	14.01
1C2-DMCP	.154	.63	1C2-DMCP	.156	.56
MCH	7.695	31.33	MCH	6.563	23.38
	TOTALS PPM	NORM PERCENT		TOTALS PPM	NORM PERCENT
ALL COMP	24.565		ALL COMP	28.075	
GASOLINE	24.565		GASOLINE	28.075	
NAPHTHENES	11.879	48.36	NAPHTHENES	13.224	47.10
C6-7	21.242	86.47	C6-7	23.354	83.18
		SIG COMP RATIOS			SIG COMP RATIOS
		C1/C2 3.86			C1/C2 2.48
		A /D2 4.19			A /D2 3.59
		D1/D2 .00			D1/D2 .00
		C1/D2 6.82			C1/D2 6.34
		CH/MCP 1.44			CH/MCP 1.30
		NP/IP 1.12			NP/IP .86
PARAFFIN INDEX 1	1.741		PARAFFIN INDEX 1	1.368	
PARAFFIN INDEX 2	27.834		PARAFFIN INDEX 2	20.312	

  

87846-I ESSO NO.1 7121/1 2630			88055-N ESSO NO.1 7121/1 2649		
COMPONENT	TOTAL PPM	NORM PERCENT	COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000		METHANE	.000	
ETHANE	.000		ETHANE	.000	
PROPANE	.000		PROPANE	.000	
IBUTANE	.061	.02	IBUTANE	.001	.00
NBUTANE	2.151	.71	NBUTANE	.106	.16
IPENTANE	19.793	6.54	IPENTANE	1.955	2.92
NPENTANE	31.127	10.28	NPENTANE	3.796	5.67
22-DMB	.753	.25	22-DMB	.177	.26
CPENTANE	2.706	.89	CPENTANE	.210	.31
23-DMB	1.921	.63	23-DMB	.557	.83
2-MP	24.360	8.04	2-MP	9.768	8.61
3-MP	13.307	4.39	3-MP	3.439	5.14
NHEXANE	41.359	13.66	NHEXANE	8.182	12.22
MCP	21.766	7.19	MCP	4.050	6.05
22-DMP	.078	.03	22-DMP	.033	.05
24-DMP	1.404	.46	24-DMP	.598	.89
223-TMB	.000	.00	223-TMB	.000	.00
CHEXANE	23.782	7.85	CHEXANE	4.558	6.81
33-DMP	.000	.00	33-DMP	.000	.00
11-DMCP	.000	.00	11-DMCP	.000	.00
2-MHEXANE	11.587	3.83	2-MHEXANE	5.611	8.38
23-DMP	8.346	2.76	23-DMP	1.561	2.33
3-MHEXANE	13.046	4.31	3-MHEXANE	4.519	6.75
1C3-DMCP	4.723	1.56	1C3-DMCP	1.274	1.90
1T3-DMCP	4.833	1.60	1T3-DMCP	1.010	1.51
1T2-DMCP	9.297	3.07	1T2-DMCP	2.180	3.26
3-EPENT	.000	.00	3-EPENT	.000	.00
224-TMP	.000	.00	224-TMP	.000	.00
NHEPTANE	28.814	9.51	NHEPTANE	8.295	12.39
1C2-DMCP	.966	.32	1C2-DMCP	.198	.30
MCH	36.672	12.11	MCH	8.880	13.26
	TOTALS PPM	NORM PERCENT		TOTALS PPM	NORM PERCENT
ALL COMP	302.852		ALL COMP	66.958	
GASOLINE	302.852		GASOLINE	66.958	
NAPHTHENES	104.745	34.59	NAPHTHENES	22.360	33.39
C6-7	206.673	68.24	C6-7	50.949	76.09
		SIG COMP RATIOS			SIG COMP RATIOS
		C1/C2 1.73			C1/C2 2.19
		A /D2 5.38			A /D2 3.65
		D1/D2 .00			D1/D2 .00
		C1/D2 5.52			C1/D2 4.22
		CH/MCP 1.09			CH/MCP 1.13
		NP/IP 1.57			NP/IP 1.94
PARAFFIN INDEX 1	1.306		PARAFFIN INDEX 1	2.269	
PARAFFIN INDEX 2	20.420		PARAFFIN INDEX 2	21.893	

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88055-P ESSO NO.1 7121/1			2674	87846-M ESSO NO.1 7121/1			2700
COMPONENT	TOTAL PPM	NORM PERCENT		COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000			METHANE	.000		
ETHANE	.000			ETHANE	.000		
PROPANE	.000			PROPANE	.019		
IBUTANE	.036	.08		IBUTANE	.043	.10	
NBUTANE	.431	.97		NBUTANE	.157	.36	
IPENTANE	2.144	4.84		IPENTANE	.340	.79	
NPENTANE	2.333	5.27		NPENTANE	3.095	7.16	
22-DMB	.133	.30		22-DMB	.107	.25	
CPENTANE	.117	.26		CPENTANE	.074	.17	
23-DMB	.429	.97		23-DMB	.320	.74	
2-MP	4.001	9.04		2-MP	3.808	8.81	
3-MP	2.332	5.27		3-MP	2.126	4.92	
NHEXANE	5.355	12.10		NHEXANE	6.106	14.12	
MCP	2.230	5.04		MCP	3.121	7.22	
22-DMP	.044	.10		22-DMP	.204	.47	
24-DMP	.539	1.22		24-DMP	.000	.00	
223-TMB	.000	.00		223-TMB	.000	.00	
CHEXANE	2.319	5.24		CHEXANE	3.235	7.48	
33-DMP	.000	.00		33-DMP	.000	.00	
11-DMCP	.000	.00		11-DMCP	.000	.00	
2-MHEXANE	4.487	10.14		2-MHEXANE	2.439	5.64	
23-DMP	.918	2.07		23-DMP	.514	1.19	
3-MHEXANE	3.526	7.97		3-MHEXANE	2.198	5.08	
1C3-DMCP	.617	1.39		1C3-DMCP	.537	1.24	
1T3-DMCP	.464	1.05		1T3-DMCP	.572	1.32	
1T2-DMCP	1.156	2.61		1T2-DMCP	1.076	2.49	
3-EPENT	.000	.00		3-EPENT	.000	.00	
224-TMP	.000	.00		224-TMP	.000	.00	
NHEPTANE	5.586	12.62		NHEPTANE	7.071	16.35	
1C2-DMCP	.095	.21		1C2-DMCP	.114	.26	
MCH	4.960	11.21		MCH	5.990	13.85	

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	44.252		C1/C2	2.58	ALL COMP	43.266		C1/C2	2.15
GASOLINE	44.252		A /D2	3.10	GASOLINE	43.247		A /D2	6.00
NAPHTHENES	11.958	27.02	D1/D2	.80	NAPHTHENES	14.719	34.03	D1/D2	.80
C6-7	32.296	72.98	C1/D2	3.34	C6-7	33.177	76.72	C1/D2	5.31
			CH/MCP	1.04				CH/MCP	1.04
			NP/IP	1.09				NP/IP	9.11
PARAFFIN INDEX 1	3.582				PARAFFIN INDEX 1	2.122			
PARAFFIN INDEX 2	23.243				PARAFFIN INDEX 2	29.921			

88055-Q ESSO NO.1 7121/1			2723	88055-R ESSO NO.1 7121/1			2733
COMPONENT	TOTAL PPM	NORM PERCENT		COMPONENT	TOTAL PPM	NORM PERCENT	
METHANE	.000			METHANE	.000		
ETHANE	.000			ETHANE	.000		
PROPANE	.000			PROPANE	.000		
IBUTANE	.168	.43		IBUTANE	.311	.50	
NBUTANE	.270	.69		NBUTANE	.820	1.51	
IPENTANE	1.116	2.83		IPENTANE	3.278	5.23	
NPENTANE	.998	2.53		NPENTANE	3.658	5.84	
22-DMB	.082	.21		22-DMB	.212	.34	
CPENTANE	.116	.29		CPENTANE	.140	.22	
23-DMB	.255	.65		23-DMB	.539	.89	
2-MP	2.166	5.50		2-MP	6.025	9.61	
3-MP	1.365	3.47		3-MP	3.373	5.38	
NHEXANE	2.584	6.57		NHEXANE	7.987	12.74	
MCP	1.708	4.34		MCP	2.787	4.45	
22-DMP	.035	.09		22-DMP	.058	.09	
24-DMP	.398	1.01		24-DMP	.723	1.15	
223-TMB	.000	.00		223-TMB	.000	.00	
CHEXANE	2.165	5.50		CHEXANE	2.802	4.47	
33-DMP	.000	.00		33-DMP	.000	.00	
11-DMCP	.000	.00		11-DMCP	.000	.00	
2-MHEXANE	4.244	10.78		2-MHEXANE	6.546	10.44	
23-DMP	.817	2.07		23-DMP	.996	1.59	
3-MHEXANE	3.502	8.89		3-MHEXANE	4.903	7.82	
1C3-DMCP	.657	1.67		1C3-DMCP	.853	1.36	
1T3-DMCP	.427	1.08		1T3-DMCP	.566	.90	
1T2-DMCP	1.284	3.26		1T2-DMCP	1.476	2.35	
3-EPENT	.000	.00		3-EPENT	.000	.00	
224-TMP	.000	.00		224-TMP	.000	.00	
NHEPTANE	7.041	17.88		NHEPTANE	7.956	12.69	
1C2-DMCP	.132	.34		1C2-DMCP	.112	.18	
MCH	7.844	19.92		MCH	6.539	10.43	

  

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS			TOTALS PPM	NORM PERCENT	SIG COMP RATIOS	
ALL COMP	39.376		C1/C2	3.39	ALL COMP	62.680		C1/C2	2.74
GASOLINE	39.376		A /D2	2.75	GASOLINE	62.680		A /D2	3.25
NAPHTHENES	14.333	36.40	D1/D2	.80	NAPHTHENES	15.275	24.37	D1/D2	.80
C6-7	32.840	83.40	C1/D2	4.07	C6-7	44.304	70.68	C1/D2	3.24
			CH/MCP	1.27				CH/MCP	1.01
			NP/IP	.89				NP/IP	1.12
PARAFFIN INDEX 1	3.271				PARAFFIN INDEX 1	3.954			
PARAFFIN INDEX 2	25.163				PARAFFIN INDEX 2	24.377			

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87846-0 ESSO NO.1 7121/1 2740

COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.058	
IBUTANE	.027	.01
NBUTANE	.268	.12
IPENTANE	.837	.38
NPENTANE	2.863	1.29
22-DMB	.190	.09
CPENTANE	.518	.23
23-DMB	1.219	.55
2-MP	20.111	9.06
3-MP	10.797	4.86
NHEXANE	34.562	15.57
MCP	20.640	9.30
22-DMP	.864	.39
24-DMP	.066	.03
223-TMB	.000	.00
CHEXANE	23.810	10.73
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	8.487	3.82
23-DMP	2.809	1.27
3-MHEXANE	9.227	4.16
1C3-DMCP	3.699	1.67
1T3-DMCP	3.779	1.70
1T2-DMCP	7.171	3.23
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	26.809	12.08
1C2-DMCP	.768	.35
MCH	39.227	17.67

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	222.006		C1/C2 1.98
GASOLINE	221.948		A/D2 6.45
NAPHTHENES	99.612	44.88	D1/D2 .00
C6-7	183.118	83.41	C1/D2 7.75
			CH/MCP 1.15
			NP/IP 3.42
PARAFFIN INDEX 1	1.209		
PARAFFIN INDEX 2	20.908		

87846-P ESSO NO.1 7121/1 2760

COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.043	
IBUTANE	.042	.02
NBUTANE	.264	.10
IPENTANE	.930	.36
NPENTANE	3.279	1.28
22-DMB	.150	.06
CPENTANE	.439	.17
23-DMB	.952	.37
2-MP	19.195	7.51
3-MP	11.263	4.41
NHEXANE	46.243	18.10
MCP	19.379	7.58
22-DMP	1.648	.64
24-DMP	.122	.05
223-TMB	.000	.00
CHEXANE	26.292	10.29
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	13.672	5.35
23-DMP	7.492	2.93
3-MHEXANE	14.414	5.64
1C3-DMCP	3.755	1.47
1T3-DMCP	3.877	1.52
1T2-DMCP	7.643	2.99
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	32.955	12.90
1C2-DMCP	.787	.31
MCH	40.760	15.95

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	255.596		C1/C2 2.28
GASOLINE	255.553		A/D2 5.49
NAPHTHENES	102.932	40.28	D1/D2 .00
C6-7	219.039	85.71	C1/D2 5.60
			CH/MCP 1.36
			NP/IP 3.52
PARAFFIN INDEX 1	1.838		
PARAFFIN INDEX 2	21.844		

88055-S ESSO NO.1 7121/1 2765

COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.000	
IBUTANE	.131	2.29
NBUTANE	.201	3.51
IPENTANE	.300	5.24
NPENTANE	.313	5.47
22-DMB	.029	.51
CPENTANE	.031	.54
23-DMB	.044	.77
2-MP	.335	5.86
3-MP	.213	3.72
NHEXANE	.460	8.04
MCP	.305	5.33
22-DMP	.005	.09
24-DMP	.044	.77
223-TMB	.000	.00
CHEXANE	.406	7.10
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	.404	7.06
23-DMP	.122	2.13
3-MHEXANE	.366	6.40
1C3-DMCP	.055	.96
1T3-DMCP	.042	1.08
1T2-DMCP	.150	2.62
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	.754	13.18
1C2-DMCP	.014	.24
MCH	.976	17.06

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	5.720		C1/C2 3.01
GASOLINE	5.720		A/D2 3.32
NAPHTHENES	1.999	34.95	D1/D2 .00
C6-7	4.123	72.08	C1/D2 4.88
			CH/MCP 1.33
			NP/IP 1.04
PARAFFIN INDEX 1	2.883		
PARAFFIN INDEX 2	22.883		

87846-R ESSO NO.1 7121/1 2800

COMPONENT	TOTAL PPM	NORM PERCENT
METHANE	.000	
ETHANE	.000	
PROPANE	.035	
IBUTANE	.027	.01
NBUTANE	.195	.08
IPENTANE	.458	.19
NPENTANE	1.503	.62
22-DMB	.047	.02
CPENTANE	.217	.09
23-DMB	.452	.19
2-MP	8.914	3.70
3-MP	6.010	2.50
NHEXANE	42.030	17.45
MCP	14.692	6.10
22-DMP	1.772	.74
24-DMP	.121	.05
223-TMB	.000	.00
CHEXANE	24.246	10.07
33-DMP	.000	.00
11-DMCP	.000	.00
2-MHEXANE	14.712	6.11
23-DMP	8.039	3.34
3-MHEXANE	15.753	6.34
1C3-DMCP	3.865	1.60
1T3-DMCP	4.147	1.72
1T2-DMCP	8.087	3.36
3-EPENT	.000	.00
224-TMP	.000	.00
NHEPTANE	37.323	15.50
1C2-DMCP	.891	.37
MCH	47.333	19.65

	TOTALS PPM	NORM PERCENT	SIG COMP RATIOS
ALL COMP	240.869		C1/C2 2.72
GASOLINE	240.834		A/D2 5.04
NAPHTHENES	103.478	42.97	D1/D2 .00
C6-7	223.011	92.60	C1/D2 5.48
			CH/MCP 1.65
			NP/IP 3.28
PARAFFIN INDEX 1	1.892		
PARAFFIN INDEX 2	22.826		