Material =	API =	RVP =	wppm Sulfur =	% MTBE =	% EtOH =	% Aromatics =	% Olefins =	% Saturates =	% Benzene =	RON =	MON =	(R+M)/2 =	Sensitivity =	IBP	5%	**10%**	20%	30%	40%
														Deg F	Deg F	**Deg F**	Deg F	Deg F	Deg F
1	119.80	85.00	0	0.0	0.0	0.0	0.0	100.0	0.00	94.0	89.6	91.8	4.4	5	7	**9**	11	12	13
2	69.10	4.40	6	0.0	0.0	1.8	0.5	97.7	0.10	93.4	91.1	92.3	2.3	104	168	**185**	205	215	221
3	29.30	2.00	0	0.0	0.0	100.0	0.0	0.0	100.00	106.0	95.0	100.5	11.0	176	176	**176**	176	176	176
4	74.35	4.93	3	0.0	0.0	0.0	0.0	100.0	0.00	64.3	67.3	65.8	-3.0	148	155	**156**	156	157	157
5	30.42	0.00	2	0.0	0.0	100.0	0.0	0.0	0.00	116.6	96.0	106.3	20.6	325	326	**326**	326	327	327
6	26.66	0.00	2	0.0	0.0	99.0	0.0	1.0	0.00	117.4	94.1	105.8	23.3	367	370	**371**	372	374	374
7	49.24	3.50	0	0.0	0.0	0.0	0.0	100.0	0.00	81.2	74.9	78.1	6.3	177	177	**177**	177	177	177
8	54.60	0.20	3	0.0	0.0	0.0	0.0	100.0	0.00	45.0	51.7	48.4	-6.7	312	316	**318**	320	322	324
10	64.65	1.70	0	0.0	0.0	0.0	100.0	0.0	0.00	110.1	88.8	99.5	21.4	213	213	**213**	213	213	213
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	31.07	0.36	0	0.0	0.0	100.0	0.0	0.0	0.00	107.0	100.0	103.5	7.0	277	277	**277**	277	277	277
13	57.93	4.57	**5756**	0.0	0.0	9.4	0.6	90.0	0.30	60.6	62.4	61.5	-1.8	116	156	**184**	214	246	276
14	81.50	2.00	0	0.0	0.0	0.0	0.0	100.0	0.00	72.1	70.0	71.1	2.1	155	156	**156**	156	156	156
15	76.34	6.06	0	0.0	0.0	0.0	98.0	0.0	0.00	76.4	65.2	70.8	11.2	140	145	**145**	145	145	145
16	58.00	5.56	30	0.0	0.0	10.8	0.8	88.4	1.90	63.0	62.0	62.5	1.0	110	156	**168**	183	195	205
17	70.40	2.10	0	0.0	0.0	0.0	0.0	100.0	0.00	97.0	96.0	96.5	1.0	208	209	**209**	210	210	211
18	64.80	0.50	0	0.0	0.0	0.0	0.0	100.0	0.00	92.0	89.5	90.8	2.5	240	245	**248**	251	253	256
19	57.70	0.10	0	0.0	0.0	0.0	0.0	100.0	0.00	89.0	86.5	87.8	2.5	315	318	**320**	322	324	326
20	95.00	20.65	0	0.0	0.0	0.0	0.0	100.0	0.00	91.1	88.1	89.6	3.0	82	82	**82**	82	83	84
21	79.60	15.50	6	0.0	0.0	3.2	0.0	96.8	1.33	76.4	75.0	75.7	1.4	88	97	**99**	100	103	104
22	57.80	8.10	2	100.0	0.0	0.0	0.0	0.0	0.00	119.0	105.0	112.0	14.0	123	126	**129**	130	130	131
23	100.00	55.00	0	0.0	0.0	0.0	0.0	100.0	0.00	90.0	81.0	85.5	9.0	23	23	**23**	23	23	23
24	30.80	1.00	2	0.0	0.0	100.0	0.0	0.0	0.00	115.6	94.2	104.9	21.4	224	226	**227**	228	228	228
25	31.10	0.33	2	0.0	0.0	99.9	0.1	0.0	0.00	117.2	96.0	106.6	21.2	262	267	**272**	274	276	276
28	70.30	10.34	90	0.0	0.0	15.0	45.0	40.0	1.00	95.0	82.0	88.5	13.0	79	100	**105**	112	119	126
29	74.30	16.00	61	0.0	0.0	0.0	100.0	0.0	0.00	95.6	75.8	85.7	19.8	93	93	**93**	93	93	93
30	43.50	0.00	**150**	0.0	0.0	12.0	1.0	87.0	0.00	10.0	10.0	10.0	0.0	383	395	**399**	404	407	411
35	50.70	0.00	0	0.0	0.0	2.0	0.0	98.0	0.00	30.0	31.0	30.5	-1.0	378	380	**381**	382	383	345
36	64.84	9.85	0	0.0	0.0	0.0	1.2	98.8	0.00	101.0	88.0	94.5	13.0	112	120	**120**	120	120	120
37	55.00	0.08	0	0.0	0.0	0.0	0.0	100.0	0.00	76.0	84.0	80.0	-8.0	331	358	**359**	359	360	360

545OneDrive2_00001053

Deg F	Deg F	Deg F	Deg F	**Deg F**	Deg F	Deg F	x		
50%	60%	70%	80%	**90%**	95%	FBP	Specific Gravity @60 F	**Material =**	
14	15	16	18	**19**	21	22	0.5631	**1**	Butane
226	230	236	249	**316**	391	410	0.7054	**2**	Alkylate cut
176	176	176	176	**176**	176	176	0.8800	**3**	Benzene
158	159	161	163	**167**	173	191	0.6874	**4**	Naphtha cut
327	328	328	329	**330**	333	345	0.8739	**5**	Reformate cut (C9s)
376	377	380	383	**388**	394	406	0.8947	**6**	Reformate cut C10s)
177	177	177	177	**177**	177	177	0.7829	**7**	Pentane cut
327	331	335	341	**352**	364	386	0.7603	**8**	???? Joel will find out
213	213	214	214	**214**	215	229	0.7214	**10**	C8 olefin
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
277	277	277	277	**277**	277	277	0.8704	**12**	Reformate cut (ethyl benzene)
302	332	366	408	**476**	554	568	0.7470	**13**	**Natural S ddopant**
156	156	156	156	**156**	156	156	0.6643	**14**	Heptanes distilled from HSR
145	145	145	145	**145**	146	161	0.6808	**15**	Mostly C6 olefin
215	225	236	249	**269**	286	313	0.7467	**16**	Heavy SR naptha
212	213	214	215	**216**	218	221	0.7008	**17**	Alkylate cut
258	261	264	267	**271**	276	283	0.7208	**18**	Alkylate cut
328	330	334	338	**342**	346	352	0.7479	**19**	Alkylate cut
85	86	87	88	**89**	90	92	0.6247	**20**	Isopentanes
105	109	115	123	**135**	148	154	0.6703	**21**	Natural gas naphtha
131	132	133	135	**136**	151	166	0.7475	**22**	MTBE
23	23	23	23	**23**	23	23	0.6112	**23**	N-butane
228	228	228	228	**229**	230	230	0.8718	**24**	Reformate cut (Toluene)
276	277	278	279	**280**	305	330	0.8702	**25**	Reformate cut (C8s)
133	145	160	184	**256**	304	355	0.7012	**28**	Cat gas
93	93	93	93	**93**	93	93	0.6876	**29**	???? Joel will find out
414	419	426	435	**448**	461	509	0.8086	**30**	**Natural S ddopant**
386	388	391	395	**401**	408	420	0.7766	**35**	Heavy alkylate cut
120	120	120	120	**120**	120	129	0.7207	**36**	Pentane cut
361	362	363	364	**366**	368	373	0.7587	**37**	Heavy alkylate cut

545OneDrive2_00001053