FF0000Do Not Cite or Quote
Collected per EPA Contract EP-C-12-011

545OneDrive2_00001099

CONFIDENTIAL INFORMATION PROPRIETARY TO HALTERMANN SOLUTIONS
COMMUNICATED TO ICF INTERNATIONAL 07-19-2012

	API =	RVP =	wppm Sulfur =	% MTBE =	% EtOH =	% Aromatics =	% Olefins =	% Saturates =	% Benzene =	% MS Aromatics =	RON =	MON =	(R+M)/2 =	Sensitivity =	IBP	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	95%	FBP	Specific Gravity @60 F
															Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	x
1	119.80	85.00	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	94.0	92.0	93.0	2.0	5	7	9	11	12	13	14	15	16	18	19	21	22	0.5631
2	69.30	5.30	5	0.0	0.0	0.5	0.5	97.7	0.10	0.00	93.8	90.4	92.1	3.4	104	168	185	205	215	221	226	230	236	249	316	391	410	0.7047
3	29.30	2.00	0	0.0	0.0	100.0	0.0	0.0	100.00	0.00	106.0	95.0	100.5	11.0	176	176	176	176	176	176	176	176	176	176	176	176	176	0.8800
4	74.35	4.93	3	0.0	0.0	0.0	0.0	100.0	0.00	0.00	61.0	61.5	61.3	-0.5	150	156	156	157	157	158	159	160	161	163	168	174	195	0.6874
5	30.42	0.00	2	0.0	0.0	100.0	0.0	0.0	0.00	94.00	116.6	96.0	106.3	20.6	325	326	326	326	327	327	327	328	328	329	330	333	345	0.8739
6	26.66	0.00	2	0.0	0.0	99.0	0.0	1.0	0.00	94.00	108.0	94.1	101.1	13.9	370	373	373	374	375	375	376	377	378	380	383	386	398	0.8947
7	49.00	3.50	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	81.2	74.9	78.1	6.3	177	177	177	177	177	177	177	177	177	177	177	177	177	0.7839
8	54.60	0.20	3	0.0	0.0	0.0	0.0	100.0	0.00	0.00	61.0	74.0	67.5	-13.0	312	316	318	320	322	324	327	331	335	341	352	364	386	0.7603
9	21.10	0.00	369000	0.0	0.0	0.0	0.0	100.0	0.00	0.00	0.0	0.0	0.0	0.0														0.9273
10	64.65	1.70	0	0.0	0.0	0.0	100.0	0.0	0.00	0.00	110.1	88.8	99.5	21.4	213	213	213	213	213	213	213	213	214	214	214	215	229	0.7214
11	47.20	#REF!	4	0.0	96.0	0.0	0.0	2.0	0.00	0.00	146.4	115.4	130.9	31.0	173	173	173	173	173	173	173	173	173	173	173	173	173	0.7918
12	31.07	0.36	0	0.0	0.0	100.0	0.0	0.0	0.00	0.00	107.0	100.0	103.5	7.0	277	277	277	277	277	277	277	277	277	277	277	277	277	0.8704
13	60.00	4.57	9250	0.0	0.0	14.3	0.5	85.3	0.30	0.00	60.6	62.4	61.5	-1.8	177	222	239	269	295	305	331	356	385	417	450	475	502	0.7389
14	81.50	2.00	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	72.1	70.0	71.1	2.1	155	156	156	156	156	156	156	156	156	156	156	156	156	0.6643
15	76.99	6.06	0	0.0	0.0	0.0	98.0	0.0	0.00	0.00	76.4	65.2	70.8	11.2	140	145	145	145	145	145	145	145	145	145	145	146	161	0.6787
16	69.5	9.5	11	0.0	0.0	6.9	0.0	93.1	1.00		58.0	58.0	58.0	0.0	83	108	118	155	172	189	204	219	234	251	273	289	314	0.703
17	70.40	2.10	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	97.0	96.0	96.5	1.0	208	209	209	210	210	211	212	213	214	215	216	218	221	0.7008
18	64.80	0.50	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	92.0	89.5	90.8	2.5	240	245	248	251	253	256	258	261	264	267	271	276	283	0.7208
19	57.70	0.10	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	89.0	86.5	87.8	2.5	315	318	320	322	324	326	328	330	334	338	342	346	352	0.7479
20	95.00	20.65	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	91.1	88.1	89.6	3.0	82	82	82	82	83	84	85	86	87	88	89	90	92	0.6247
21	78.60	13.00	22	0.0	0.0	2.0	0.5	95.3	1.83	0.00	72.8	74.5	73.7	-1.7	92	107	111	115	119	125	132	142	157	177	202	222	264	0.6735
22	57.80	8.10	2	100.0	0.0	0.0	0.0	0.0	0.00	0.00	119.0	105.0	112.0	14.0	123	126	129	130	130	131	131	132	133	135	136	151	166	0.7475
23	100.00	55.00	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	90.0	85.0	87.5	5.0	23	23	23	23	23	23	23	23	23	23	23	23	23	0.6112
24	30.80	1.00	2	0.0	0.0	100.0	0.0	0.0	0.00	0.00	120.0	100.0	110.0	20.0	224	226	227	228	228	228	228	228	228	228	229	230	230	0.8718
25	31.10	0.33	2	0.0	0.0	99.9	0.1	0.0	0.00	83.00	117.2	100.0	108.6	17.2	262	267	272	274	276	276	276	277	278	279	280	305	330	0.8702
26	73.60	2.00	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	26.8	44.0	35.4	-17.2	208	208	208	208	208	208	208	208	208	208	208	208	208	0.6899
27	74.30	16.00	61	0.0	0.0	0.0	100.0	0.0	0.00	0.00	95.6	75.8	85.7	19.8	93	93	93	93	93	93	93	93	93	93	93	93	93	0.6876
28																												
29	11.00	0.00	0			99.0					60.0	60.0	60.0	0.0														0.9930
30	46.2	#REF!	1.0	0	0	0	0	0	0	0	130	100	111	30.0	149	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	150	0.796
31	49.00	0.00	0	0.0	0.0	2.0	0.0	98.0	0.00	0.00	30.0	31.0	30.5	-1.0	363		360	363	365	366	370	371	371	375	383		410	0.7839
32	64.84	9.85	0	0.0	0.0	0.0	1.2	98.8	0.00	0.00	117.0	91.0	104.0	26.0	112	120	120	120	120	120	120	120	120	120	120	120	129	0.7207
33	55.00	0.08	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	76.0	84.0	80.0	-8.0	351	358	359	359	360	360	361	362	363	364	366	368	373	0.7587
34	92.7	15.7	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	51.0	51.0	51.0	0.0	97.0		97.0				98.0				99.0		100.0	0.6311
35	32.5	1.0	0	0.0	0.0	100.0	0.0	0.0	0.00	0.00	112.0	95.0	103.5	17.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	0.8628
36	70.4	2.0									100.0	100.0	100.0	0.0	211	211	211	211	211	211	211	211	211	211	211	211	211	
37	81.5	7.5	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	72.7	81.4	77	-8.1	137	138	138	138	138	139	140	140	140	140	140	140	151	0.6643
	71.9	5.3	1	0.0	0.0	0.0	0.0	100.0	0.00	0.00	95.8	92.2	94	3.6	105.7	157.2	173	191.2	203	210.7	214.5	217.1	219.2	221.6	224.9	227.9	246.2	0.6975
39	60.1					0.0	0.0	0.0			99.2	99.5	99.35	-0.3	233	260	272	294	317	336	346	349	350	352	356	363	393	
40	58.5	1.0		0.0	0.0	0.0	0.0	0.0	0.00	0.00	75.0	81.0	78	-6														
41	55.5												0	0														
42	53.3		1.0	0	0	0			0		100.3	82	91.15	18.3	242	274	286	308	330	344	350	353	356	362	389	461	493	0.7651
43																												
44																												
45																												
46																												
47																												
49	71.2	1.9	0	0.0	0.0	0.0	0.0	100.0	0.00	0.00	98.8	98.8	98.8	0.0														
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