

Table OA15. Column chromatography data of hydrous pyrolysis liquid products.

Sample #	Formation	HP #	Pyrol. Yield %	Column Chromatography								Start Wt. (mg)	Comments
				Sat/Arom wt%	Sats wt%	HC wt%	Sats (mg)	Arom (mg)	NSO (mg)	Asph (mg)	Volit wt %		
31A	Shublik	2467	R 0.00%	0.5	22	62	5.68	10.51	6.95	3.04	-0-		1
31B	Shublik	2475	F 2.74%	0.7	25	64	1.53	2.34	1.80	0.34	Insuf.	40.55	2
31C	Shublik	2480	F 23.63%	0.8	32	72	10.15	12.44	7.19	1.56	26.1	45.12	
31D	Shublik	2485	F 73.63%	0.9	35	73	13.80	14.82	7.96	2.58	21.8	56.47	3
			weighted average	0.9	34								
33A	Hue	2469	R	1.4	49	84	9.24	6.81	2.37	0.58	-0-		1
34A	Hue	2470	F 23.72%	1.5	54	91	22.08	15.02	3.39	0.25	27.1	55.45	
34B	Hue	2473	F 13.09%	1.4	50	86	18.68	13.41	4.12	0.98	Insuf.	64.55	2
34C	Hue	2478	F 47.74%	1.2	47	86	24.67	20.45	6.11	1.14	10.8	63.01	
34D	Hue	2483	F 15.45%	1.2	48	88	23.13	19.23	4.54	1.34	Insuf.	64.40	
			weighted average	1.3	49								
38B	Hue	2497	R	1.1	45	87	54.98	50.47	14.39	1.51	-0-		1
42A	Hue	2491	F 19.92%	0.8	34	79	8.66	11.18	4.82	0.54	43.9	54.86	
42B	Hue	2495	F 45.90%	0.9	40	84	13.68	14.88	5.20	0.44	34.4	62.66	
42C	Hue	2501	F 22.56%	1.0	41	82	11.94	12.04	4.80	0.47	29.8	51.65	
42D	Hue	2512	F 11.62%	0.9	41	89	10.12	11.77	2.85	-0.01	Insuf.	49.35	
			weighted average	0.9	39								

1 - Unorthodox column chromatography; see lab notebook

2 - Some water in aliquot for column chromatography

3 - Some particulates in maltene; some maltene lost in lid and on vial top