



RESIDUAL VINYL CHLORIDE (VCM) ANALYSIS OF
TEXAS CITY VINYL RESIN PRODUCTION
MARCH, 1975

Resin Content

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Attached in Table I is a summary of the residual VCM levels in suspension vinyl resins produced in March, 1975. Of particular significance is the reduction in VCM levels which occurred with batch stripping of QSQH-7 and QSQF-7. As shown in Table VIII, a reduction in VCM levels from ~1000 ppm to ~200 ppm occurred with the commencement of batch stripping of QSQH-7. The complete tabulation of dryer spot samples, bin samples and final blend samples for suspension resins produced during March are provided in Tables II-XIII.

From a total of 22 VYHH bins produced in March, five were analyzed >1 ppm (1.5-3.8). In-bin blending reduced the level to <1 ppm VCM except for one bin (which was classified as VYHG feedstock for VAGH production). One bin of VMCH from a total of 8 bins produced in March analyzed >1 ppm. In-bin blending reduced this bin to <1 ppm prior to shipment.

ATTACHMENT

13 Tables

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TABLE I
COMPARISON OF PREVIOUS SUSPENSION VINYL RESIN PRODUCTION
WITH RESINS PRODUCED DURING MARCH, 1975

<u>Resin Type</u>	<u>March, 1975</u>			<u>Avg. VCM, ppm</u>	
	<u>% < 100</u>	<u>% > 1000</u>	<u>Avg VMC, ppm</u>	<u>Jan-Feb, 1975</u>	<u>Nov-Dec, 1974</u>
QSAN-7	54	0	98	140	532
QSQH-7	23	11	536	-	740
QSQF-7	0	0	344	-	1238
VSKK-10	0	20	795	472	762

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TABLE II
 QSAN-7 DRYER SPOT ANALYSIS FOR VCM CONTENT

<u>Dryer System</u>	<u>Date</u>	<u>VCM, ppm</u>
No. 3	3-3-75	356
No. 4		264
No. 5		209
No. 3	3-4-	179
No. 4		218
No. 5		173
No. 3	3-5-	137
No. 4		333
No. 5		292
No. 3	3-6-	193
No. 5		204
No. 3	3-7-	79
No. 5		81
No. 4	3-10	163
No. 4	3-11	273

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TABLE III
QSQF-7 DRYER SPOT ANALYSIS FOR VCM CONTENT

<u>Dryer System</u>	<u>Date</u>	<u>VCM, ppm</u>
No. 7	3-13	633
No. 7	3-14	238
No. 7	3-17	556
No. 7	3-18	739
No. 7	3-20	243
No. 7	3-21	680

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TABLE IV
 QSQH-7 DRYER SPOT ANALYSIS FOR VCM CONTENT

<u>Dryer System</u>	<u>Date</u>	<u>VCM, ppm</u>
No. 7	3-3 (10 AM)	2009
	(3 PM)	1259
No. 7	3-5	324
No. 7	3-6	300
No. 7	3-7	214
No. 7	3-10	183
No. 7	3-11	66
No. 7	3-12	97

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TABLE V
VSKK-10 DRYER SPOT ANALYSIS FOR VCM CONTENT

<u>Dryer System</u>	<u>Date</u>	<u>VCM, ppm</u>
No. 4	3-13	408
No. 6	3-14	869
No. 6	3-17	1893
No. 6	3-18	2719
No. 6	3-20	653
No. 6	3-21	4509

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TABLE VI
QSAL-7/QSAN-7 BIN ANALYSIS FOR VCM CONTENT

<u>Bin No.</u>	<u>Date</u>	<u>VCM, ppm</u>	<u>Bin No.</u>	<u>Date</u>	<u>VCM, ppm</u>
702	2-28-75	19	702	3-8	91
703	3-1	92	411	3-8	225
403	3-5	19	702	3-7	54
705	3-1	75	707	3-8	67
706	3-1	23	405	3-8	65
405	3-2	136	408*	3-8	211
702	3-2	127	705	3-10	133
708	3-2	110	409	3-10	280
707	3-3	121	702	3-9	190
414	3-3	167	406	3-9	131
704	3-4	38	708	3-10	116
703	3-4	77	412	3-10	104
705	3-4	177	408	3-11	364
706	3-4	102	702	3-11	171
402	3-4	189	705	3-11	183
701	3-4	99	709	3-13	17
411	3-5	129			
709	3-5	78			
405	3-6	222			
702	3-6	179			
705	3-6	278			
701	3-7	84			

* QSAL-7 produced through 3-13

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TABLE VII
 QSQF-7 BIN ANALYSIS FOR VCM CONTENT

<u>Bin No.</u>	<u>Date</u>	<u>VCM, ppm</u>
606	3-13	246
601	3-17	930
603	3-15	735
606	3-15	727
609	3-14	155
602	3-16	977
603	3-17	671
606	3-16	690
602	3-18	995
601	3-18	1847
603	3-18	497
604	3-19	240
605	3-19	232
609	3-20	468
601	3-20	189
609	3-21	243
605	3-24	83

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TABLE VIII
QSQH-7 BIN ANALYSIS FOR VCM CONTENT

<u>Bin No.</u>	<u>Date</u>	<u>VCM, ppm</u>
605	2-28	1017
602	3-1	1773
604	3-1	918
604	3-2	1403
603	3-2	1136
602	3-3	1077
603	3-3	1253
606	3-4	1557
604	3-5	949
601	3-5	917
605*	3-5	178
602	3-6	110
603	3-5	232
606	3-6	218
605	3-7	278
604	3-7	270
601	3-8	191
601	3-9	111
602	3-8	69
605	3-8	173
603	3-9	153
602	3-10	160
606	3-10	158
601	3-12	91
607	3-13	188
601	3-10	83
603	3-11	53
602	3-12	103

*Commenced Batch Stripping

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TABLE IX
VSKK-10 BIN ANALYSIS FOR VCM CONTENT

<u>Bin No.</u>	<u>Date</u>	<u>VCM, ppm</u>
707	3-13	603
704	3-13	1448
706	3-14	1239
709	3-14	800
703	3-15	960
709	3-15	1418
708	3-17	709
703	3-17	846
706	3-17	924
704	3-18	606
701	3-18	1004
708	3-18	660
707	3-18	1416
701	3-19	1125
709	3-19	1035
706	3-19	609
703	3-20	1102
704	3-21	2011
701	3-20	1783
701	3-20	785
703	3-22	2302
707	3-21	3514
709	3-22	2384

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TABLE X
ANALYSIS OF QSAN-7 SUSPENSION VINYL RESIN BLENDS FOR
RESIDUAL VCM

<u>Blend No.</u>	<u>H/C or Box No.</u>	<u>VCN, ppm</u>
6265	866	144
6266	UCPX-57068	74
6267	UCPX-57029	55
6268	502	16
6269	709	89
6270	892	25
6271	UCPX-57046	170
6272	704	23
6273	783	143
6274	793	133
6275	CCBX-55139	112
6276	544	132
6277	491	120
6278	177	116
6279	CCBX-55128	48
6280	183	149
6281	896	288
6282	636	108
6283	562	48
6284		78
6285	678	58
6286	511	73
6288	894	130
6289	891	61
6285	678	58
6287	769	35
6290	819	232
6292	872	38

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TABLE XI
ANALYSIS OF QSQF-7 SUSPENSION VINYL RESIN BLENDS FOR
RESIDUAL VCM

<u>Blend No.</u>	<u>H/C or Box No.</u>	<u>VCM, ppm</u>
292	329	198
293	893	620
294	336	327
295	577	562
296		572
297		418
298		321
299		441
300		581
301		521
302		319
303	185	96
304	624	262
305	605	204
306	863	161
307	897	119
308	522	121

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TABLE XII
ANALYSIS OF QSQH-7 SUSPENSION VINYL RESIN BLENDS FOR
RESIDUAL VCM

<u>Blend No.</u>	<u>H/C or Box No.</u>	<u>VCM, ppm</u>
869	297	827
870	203	975
871	327	1425
872	662	949
873	693	617
874	794	774
875	357	842
876	645	963
877	863	1179
878	542	934
879	336	1002
880	329	1150
881	808	994
882	577	577
884	UCPX-57050	908
885		777
886	566	373
887	559	103
888	525	368
890	714	156
891	297	101
892	357	124
893	203	30
894	628	66
895	806	124
896	524	77
897	UCPX-57028	847
898	CCBX-55169	917
899	189	171
900		52
901	853	55
902	879	39
903	540	139
904	460	55
905	854	65

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TABLE XIII
ANALYSIS OF VSKK-10 SUSPENSION VINYL RESIN BLENDS FOR
RESIDUAL VCM

<u>Blend No.</u>	<u>H/C or Box No.</u>	<u>VCM, ppm</u>
917	698	359
918	UCPX-57020	414
919	RAIX-57112	537
920	780	350
921	808	1197
922	RAIX-57120	727
923	CCBX-55376	994
924	794	522
925	CCBX-55326	831
926	UCPX-57025	2016

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