



RESIDUAL VCM ANALYSIS
TEXAS CITY VINYL RESIN PRODUCTION
NOVEMBER, 1975

RECEIVED
DEC 5 1975
R N WHEELER JR.

Author: R. M. Arnold
Supervisor: G. F. Tacquard
Date: December 1, 1975

Attached in Table I is a summary of the residual VCM levels in suspension vinyl resin production during the month of November. Essentially all QSAN-7 production averaged less than 10 ppm residual VCM. A slight increase in residual VCM of QSQH-7 compared with October production was noted. Individual bin and blend data for each suspension resin produced during the reporting period are shown in Tables II-VII.

Also shown in Tables VIII and IX are residual VCM levels of VYNW and solvent vinyl resin production for the month. Two VYHH bins and one VMCH bin were re-blended to achieve < 1 ppm residual VCM during the month.

/kw :
Attachments

RESINS LABORATORIES
UNION CARBIDE CORPORATION
CHEMICALS AND PLASTICS DIVISION
TEXAS CITY PLANT

UCC
044998

TABLE I

SUMMARY OF VCM ANALYSIS OF SUSPENSION VINYL RESINS

NOVEMBER, 1975

<u>Resin Type</u>	<u>VCM, ppm</u>		<u>% Blends < 10 ppm</u>	<u>% VCM Reduction from Blending</u>
	<u>Bin</u>	<u>Blend</u>		
QSAN-7	15	8	90	47
QSQH-7	48	30	25	38
VSJE-10	1125	724	0	36

UCC
044999

TABLE II

QSAN-7 BLEND ANALYSIS FOR VCM CONTENT

<u>Blend Number</u>	<u>VCM, ppm</u>
B-6427	147
B-6428	2
B-6429	3
B-6430	1
B-6431	5
B-6432	13
B-6433	48
B-6434	1
B-6435	7
B-6436	3
B-6437	2
B-6438	4
B-6439	1
B-6440	3
B-6441	3
B-6442	1
B-6443	2
B-6444	2
B-6445	2
B-6446	3
B-6447	1
B-6448	1
B-6449	1
B-6450	1
B-6451	5
B-6452	1
B-6453	8
B-6454	4
B-6455	4
B-6456	2
B-6457	2
B-6459	4
B-6460	3
B-6461	5
B-6462	1
B-6463	11
B-6464	3
B-6465	3
B-6467	8
B-6468	3
B-6469	10

UCC
045000

TABLE III
QSQH-7 BLEND ANALYSIS FOR VCM CONTENT
NOVEMBER, 1975

<u>Blend Number</u>	<u>VCM, ppm</u>
B-994	21
B-995	23
B-996	15
B-997	16
B-998	69
B-999	29
B-1000	9
B-1001	6
B-1002	5
B-1003	23
B-1004	120
B-1005	21

UCC
045001

TABLE IV

VSJE-10 BLEND ANALYSIS FOR VCM CONTENT

NOVEMBER, 1975

<u>Blend Number</u>	<u>VCM, ppm</u>
B-804	131
B-805	611
B-806	848
B-807	352
B-808	574
B-809	363
B-810	694
B-812	228
B-815	148
B-816	537
B-817	1076
B-818	411
B-821	898
B-822	1285
B-823	1026
B-824	370
B-825	2149
B-826	1584
B-827	1402
B-828	308
B-829	981
B-830	542
B-831	577
B-832	387

TABLE V

QSAN-7 BIN ANALYSIS FOR VCM CONTENT

NOVEMBER, 1975

<u>Bin Number</u>	<u>Date</u>	<u>VCM, ppm</u>	<u>Bin Number</u>	<u>Date</u>	<u>VCM, ppm</u>
409	11-1	18	403	11-17	1
411	11-2	44	405	11-18	4
415	11-2	28	415	11-18	3
405	11-3	60	414	11-18	10
403	11-3	60	412	11-19	13
411	11-4	33	402	11-19	16
406	11-4	15	408	11-19	5
408	11-4	21	415	11-20	35
412	11-4	11	405	11-20	31
409	11-5	18	403	11-20	25
411	11-5	8	409	11-21	19
412	11-6	3	406	11-21	22
415	11-6	15	409	11-22	12
405	11-6	10	415	11-22	7
414	11-6	14	408	11-22	4
406	11-7	4	405	11-23	9
402	11-7	7	414	11-24	10
408	11-8	4	408	11-25	20
414	11-9	2	403	11-23	3
409	11-9	14	402	11-23	5
411	11-12	93	406	11-24	8
402	11-13	12	412	11-25	16
409	11-12	8	415	11-25	6
412	11-13	14	411	11-26	8
405	11-13	1	409	11-26	6
408	11-24	13	412	11-27	9
415	11-14	9	406	11-27	5
414	11-14	13	411	11-27	12
412	11-15	13	415	11-28	12
402	11-15	6	408	11-28	71
405	11-16	5	414	11-29	35
408	11-16	4	403	11-29	4
405	11-16	6	402	11-30	5
409	11-16	4	411	11-29	4
402	11-17	5			

UCC
045003

TABLE VI

QSQH-7 BIN ANALYSIS FOR VCM CONTENT

NOVEMBER, 1975

<u>Bin Number</u>	<u>Date</u>	<u>VCM, ppm</u>
703	11-1	46
706	11-2	59
704	11-3	31
707	11-2	100
703	11-4	30
707	11-3	45
706	11-5	15
702	11-5	55

UCC
045004

TABLE VII
VSJE-10 BIN ANALYSIS FOR VCM CONTENT
NOVEMBER, 1975

<u>Bin Number</u>	<u>Date</u>	<u>VCM, ppm</u>
701	11-6	913
707	11-6	1029
703	11-7	1164
706	11-7	715
709	11-8	671
703	11-8	806
706	11-9	486
709	11-9	1050
701	11-11	1160
707	11-11	61
705	11-13	1771
702	11-12	500
709	11-12	695
707	11-18	1623
709	11-18	1692
702	11-15	1646
706	11-14	620
705	11-16	1443
707	11-16	1179
701	11-17	428
701	11-20	1098
707	11-20	2844
704	11-20	737
702	11-21	1644
705	11-21	1497
706	11-23	1025
702	11-22	1186
709	11-23	900
705	11-24	1897
701	11-23	2101
704	11-23	1736
702	11-24	951
704	11-25	1223
706	11-24	918
701	11-25	518
706	11-25	920
707	11-26	926
704	11-27	959
701	11-27	628
707	11-28	1734
701	11-29	1338
704	11-28	1277
702	11-29	795
703	11-29	976

UCC
045005

TABLE VIII

VYNW BLEND ANALYSIS FOR VCM CONTENT

<u>Blend Number</u>	<u>VCM, ppm</u>
B-3892	1.5
B-3893	1.0
B-3894	3.4
B-3896	4.8
B-3897	35

TABLE IX

RESIDUAL VCM ANALYSIS OF SOLVENT VINYL RESINS

NOVEMBER, 1975

<u>VYHH</u>		<u>VMCH</u>		<u>VYNS</u>	
<u>Bin No.</u>	<u>VCM, ppm</u>	<u>Bin No.</u>	<u>VCM, ppm</u>	<u>Bin No.</u>	<u>VCM, ppm</u>
52	ND	73	ND	23	0.6
32	ND	83	ND	11	ND
44	0.3	74	0.3	12	ND
41	ND	84	0.3	14	ND
34	TR	71	TR		
51	TR	72	TR		
33	ND	73	TR		
42	TR	82	TR		
43	TR	72	ND		
61	0.4	81	0.2		
44	0.4	74	0.3		
62	0.4				
32	0.2				
31	0.2				
62	0.8				
51	ND				
34	0.4				
63	ND				
83	TR				
33	ND				
31	ND				
61	TR				
52	TR				
53	ND				
62	0.3				
41	0.8				

Note: Trace

< 0.2 ppm

ND

Non-Detectable

UCC
045007

DISTRIBUTION

TEXAS CITY

Dr. J. C. Chaty/D. R. Montgomery
Mr. M. E. Eisenhower
Mr. R. L. Frantz
Mr. J. L. Hockersmith/W. C. Roeh
Mr. F. L. Johnson
Mr. K. E. Ross
Mr. R. W. Sesler

BOUND BROOK

Mr. T. F. Archer
Mr. E. Bell
Mr. R. G. Davis

NEW YORK OFFICE

Mr. G. P. Bigelow
Mr. A. E. Donaldson
Mr. J. B. Hollingsworth
Mr. G. T. Scott
Dr. T. T. Szabo

SOUTH CHARLESTON PLANT

Mr. C. E. Fry
Mr. M. E. Griffith
✓ Mr. R. N. Wheeler

TECH CENTER

Dr. J. J. Brezinski

UCC
045008