

Monsanto

VCM: Quality
Customer Complaint

FROM (LOCATION) Texas City, Texas

cc J. W. Kongable
J. L. Price
T. E. Shirley
A. H. Conrad

DATE August 20, 1965

SUBJECT

REFERENCE Complaint No. 65-14-VCM-3

TO B. J. Darby

The purpose of this memo is to summarize the results obtained on tank car MCPX 14948. This car was returned by Carbide as off-spec, primarily on color.

The tank car was sampled after returning and the following changes in components observed:

<u>Component</u>	<u>Conc. When Shipped</u>	<u>Conc. After Return</u>
MeCl	30.12 ppm	23.14 ppm
MVA	1.04	Tr
CB	< 0.1	6
HCl	< 0.1	2.0-2.5
Fe	0.1	0.9
AcH	1	9 (pink)
HB1	20	543
Color	C & C	Light Brown

The color of the retain sample was all right when rechecked.

Approximately 1.5 liters of sample was weathered off and the residue submitted to the analytical group. Infra-red analysis showed the presence of a carbon-chlorine compound, alcoholic hydroxide, carbonyl (probably ketonic) and ether. Pyrolysis and MS analysis gave VCM, CO₂, propylene and some benzene. The indications are that the residue contains hydrolyzed PVC from low molecular weight polymer. At least, this is not inconsistent with the observations. More work is planned in this area when more sample is available.

Chromatographic analysis of the residue did not show any results at all.


H. S. Leach

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CBY 1111290