

Monsanto

FROM (NAME & LOCATION) R. C. Rudloff, Texas City

DATE March 1, 1968

cc W. C. Fuller
R. I. Lait
G. Lunsford
P. A. TrostSUBJECT VCM Cylinder from Continental Oil

REFERENCE

TO : Ray Rosenberg

A VCM cylinder from Continental Oil, Westlake, Louisiana delivered to the Monomers Lab on February 22, 1968 analyzed as follows:

<u>Property</u>	<u>Continental Oil VCM</u>	<u>Monsanto Typical Analysis</u>	<u>Monsanto Sales Spec.</u>
Acetaldehyde, ppm	<1	<1	5 max.
Acetylene, ppm	-	-	2 max.
Acidity, ppm	<.1	<.1	1 max.
Appearance	Clear & Free	Clear & Free	Clear & Free
High Boiling Impurities, ppm	<.001	<.001	500
Iron, ppm	0.1	0.1	0.5
Polymerization, %	6.04	6.00	5.6 - 6.6
H ₂ O, %	<.003	.003	-
SO ₂ , ppm	<1	<1	<5
<u>Gas Chromatographic Analysis</u>			<u>Monsanto Mfg. Spec.</u>
Methane, ppm	<.1	<.1	-
C ₂ 's, ppm	.57	<.1	C ₂ H ₆ , C ₂ H ₄ , 10 ppm max
C ₃ H ₆ , ppm	.25	.30	-
C ₂ H ₂ , ppm	.15	<.1	2 max.
1,3 Butadiene, ppm	5.19	.75	} 10 max.
MVA, ppm	<.1	1.22	
Chloroprene, ppm	<.1	<.1	
Bi Acetylene, ppm	<.1	<.1	

CBY 1112338

R5V0033034

DSV0023024

Ray Rosenberg

-2-

March 1, 1968

<u>Property</u>	<u>Continental Oil VCM</u>	<u>Monsanto Typical Analysis</u>	<u>Monsanto Mfg. Spec.</u>
Methylacetylene, ppm	.07	2.50	} 10 max.
Allene, ppm	<.1	1.47	
Butene, ppm	.11	<.1	
2 CPY, ppm	<.1	<.1	} 10 max.
Trans 1,2 DCY, ppm	<.1	<.1	
1,1-DCY, ppm	<.1	<.1	
Methyl Chloride, ppm	42.85	30.84	75 max.
Ethyl Chloride, ppm	<.1	1.04	10 max.
C ₃ H ₈	<.1	<.1	} 10 max.
1-C ₄ H ₁₀ , ppm	<.1	<.1	
N-C ₄ H ₁₀ , ppm	<.1	<.1	
PhACH, ppm	<.2	<.2	} 1 max.
SO, ppm	<.2	<.2	

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