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MONTHLY REPORT - MAY 1965

1. p-Dioxin Content in TCP Process Streams

Developed GLC procedures for quantitative detection of p-dioxin in TCP process streams. Random samples of plant-recovered methanol and TCA, steam-stripped TCP solution and T-Acid product were analyzed for presence of dioxins. A sample of TCP solution was diluted to approximately 10% and filtered to determine if dioxins can be removed by this procedure. Analysis showed dioxins are eliminated by this method. This will be repeated on several samples to confirm.

Results were:

<u>Sample</u>	<u>Source</u>	<u>Dioxin Concentration (ppm)</u>
TCP Solution (40%)	Storage Tank #133	40
TCP Solution (40%)	Calco Shipment (retained)	25
TCP Solution (40%) (Diluted & filtered)	Storage Tank #133	None detected
Recovered TCA	Storage (Calco retained)	73
Recovered MeOH	Storage	None detected -
T-Acid	Lot #299	<10
T-Acid	Lot #225	<10
T-Acid	Lot #295	<10
T-Acid	Lot #223	28
T-Acid	Lot #279	40
T-Acid	Lot #281	25
T-Acid	Lot #287	40

2. Gas Chromatography Course

Attended gas chromatography workshop presented by the University of Massachusetts in Waltham, Massachusetts, for three days. In this course, the fundamentals of gas chromatography were reviewed. Latest developments in semi-micro extraction and trace analysis techniques were also covered.

WAG/es

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cc: F. R. Kennedy

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