

2nd Quarter 4
Re: Weekly Highlights Date: 6-6-85

To: Jim Elder

From: Denise Moore

• The sample "action capsules" submitted by Jack White was interpreted. It consisted of the following.

2-methyl propanal?

1,3,5 triazine

cyclohexene

isovaleraldehyde?

n-*n*-dimethyl amino ethanenitrile

aldehydes

ketones

hydrocarbons

• Three extracts of the flavor St. John's Bread was interpreted for Debbie Barrett. She was looking for a marker. The results are listed on the following pages.

• The paper entitled "Capillary Column Fabrication" by Denise Moore and John Aldridge was accepted.

• The instruments were shut down Friday because the chilled water would be turned off on Saturday.

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ST. JOHN'S BREAD	WATER EXTRACT	ETOH EXTRACT	HEXANE EXTRA
acetaldehyde?	✓	✓	
isovaleraldehyde	✓		
acetic acid	✓		
2-methyl propanoic acid	✓	✓	
butyric acid	✓	✓	✓
furfuryl alcohol	✓		
hexanoic acid	✓	✓	✓
2-acetyl pyrrole or isomer	✓	✓	✓
2,3-dihydro-3,5-dihydroxy-6-methyl-4H-pyran-4-one	✓	✓	
benzoic acid	✓	✓	✓
5(hydroxymethyl)furfural	✓	✓	
hexane		✓	
isobutyraldehyde		✓	
2-butanol?		✓	
3-hydroxy-2-butanone		✓	
acetol		✓	
acetic acid		✓	
furfural		✓	
formic acid?		✓	
octanoic acid		✓	✓
cinnamic acid		✓	✓
palmitic acid		✓	✓
cyclohexane			✓
heptane			✓
isobutyric acid			✓
3-hexanol?			✓
2-methyl butyric acid			✓

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ST. JOHN'S BREAD

WATER EXTRACT ETOH EXTRACT HEXANE EXTRACT

decanal

nicotine

heptadecane

2-(5-hydroxymethyl-2-formylpyrrol-1-yl) isovaleric acid lactone

octadecane

2-(5-hydroxymethyl-2-formylpyrrol-1-yl) isocaproic acid lactone

phytone

nonadecane

cosane

heneicosane or isomer

oleic acid

docosane

tricosane

SR 62 D?

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