

TO: D. Anderson	FIELD POINT OR DEPT. & BLDG. NO. Louisville	25-1599	DATE YOUR LETTER
FROM: R. D. Hardesty	FIELD POINT OR DEPT. & BLDG. NO. Brecksville R & D Center, D/8506		DATE THIS LETTER Sept. 23, 1976

The two sets of carbon tubes taken during compounding of 80801 natural with P-90 from the 9" A-line were assigned Log #177 and 191. We tried to measure P-90, methacrylic acid, acrylic acid, and methyl acrylate. We could not find a column that would elute P-90, therefore no results are listed. None of the tubes showed methacrylic acid peaks. Report MAA as less than .01 mg or .2 ppm. The table below lists the results for MA and AA. The columns listed front and back may be higher than the total mg's since the total mg's column has the blank value subtracted.

Sample	Methyl Acrylate				Acrylic Acid			
	mg F	mg B	mg Total	ppm	mg F	mg B	mg Total	ppm
177-1	.359	.007	.356	1.8	1.491	-	.582	3.5
2	.182	.007	.180	.8	2.343	1.155	2.590	13.9
Blank	.010				.909			
191-1	.426	.007	.425	.5	1.260	.752	.878	1.2
2	.019	.007	.017	<.1	1.044	.579	.489	.8
5	.261	.007	.259	.3	1.443	.276	.584	.7
6	.021	.007	.020	<.1	1.033	1.045	.944	1.5
7 Blank	.009				1.134			

The above results are for the pollutants requested. However, the chromatogram show several much larger peaks. We are submitting the samples to mass spec for identification of these peaks.

THE B. F. GOODRICH CO.

OCT 5 1976

RESEARCH LIBRARY

Richard D. Hardesty
Richard D. Hardesty

O. S. Kurtz
O. Sue Kurtz

jb

cc: P. M. Zakriski
R & D Files

22406001

BFG20601

PLANT LOUIS GEN Chem

TYPE OF PUMP Exhaust Micronaire

NAME OF POLLUTANTS COLLECTED

DATE 8-10-76

COLLECTOR TUBE: ☐ POLYETHYLENE

~~THE~~, SEE ATTACHED NOTE

SAMPLED BY DAN ANDERSON

☐ MSA ☐ BENDIX ☒ SKC - WASH APP.

P-90 Acrylic acid NAO monomer

[illegible]

This space is reserved for the BFC Corporate Environmental Laboratory use.

ANALYZED BY

Richard D. Hardt

LOG NO. 177 DATE RECEIVED 8/23/76 DATE REPORTED 9-23-76

APPROVED BY

8

*The ppm value is not an 8-hour time-weighted average. It is based on the specific air volume which was sampled.

PERSONAL MONITORING DATA

PLANT B.F. GOODRICH
 DATE 9-3-76
 SAMPLED BY D. Anderson

TYPE OF PUMP Bendix DixerCOLLECTOR TUBE: ☐ POLYETHYLENE☒ MSA ☐ BENDIX ☐

NAME OF POLLUTANTS COLLECTED

Product type - 4054Acrylic acid, methacrylic acid,Methyl methacrylate, p-90

Sample No. and Date Taken	Sampling Location (Bldg., etc.)	Name of Employee	Job Class	Specific Operations	Expos. Time (min)	Fluorator Airflow Rate (liters/min)	Remarks	ANALYSIS & CALCULATIONS			
								Sample Time (min)	Sample Volume (liters)	Pollutant Concent'n	
										TOTAL (mg)	PPM* IN AIR
1 9-3-76	B-122 South of Feed to K. Platform			(STATIC SAMPLE)	421	0.7 ^{0.1} / 0.5 ^{0.6}		252.6	MA .425	.5	
2 9-3-76	B-122 "D" line Flowmeter			"	425	0.45 ^{0.1} / 0.5 ^{0.5}		201.9	AA .878	1.2	
5 9-3-76	B-122 Head to K-South			"	426	0.7 ^{0.1} / 0.55 ^{0.1}		266.2	MA .259	.3	
6 9-3-76	B-122 Dry-End "D" line			"	434	0.7 ^{0.1} / 0.3 ^{0.6}		217.0	AA .584	.7	
7 9-3-76	BLANK								MA .020	<.1	
									AA .944	1.5	
									MA .009		
									AA 1.134		
										22406003	

This space is reserved for the BEC Corporate Environmental Laboratory use.

ANALYZED BY Richard D. HardistyLOG NO. 191 DATE RECEIVED 9/13 DATE REPORTED 9-23-76 APPROVED BY _____

*The ppm value is not an 8-hour time-weighted average. It is based on the specific air volume which was sampled.