

CHEMICALS



INTEROFFICE / LAKE CHARLES

TO P. S. Trew

DATE Feb. 23, 1983

FROM M. G. Carver

SUBJECT Per/Tri Vent Sampling

MC.

Attached is the quarterly analysis of the Per/Tri Still Line Vent Scrubber as you requested. The vent was sampled at 9:00 a.m. Feb. 22, 1983, for chlorinated hydrocarbon emissions.

Reactors No. 2 and No. 5 were running. The water feed to the scrubber was 35 gpm. The vent gas flow rate was 13.6 ft³/min.

ce

Attachment

cc: K. Ezelle

C. P. LeBlanc/M. W. Wood ✓

H. J. Hoenes

SL 044022

Per/Tri Still Line Vent Scrubber
 Analysis for Chlorinated Hydrocarbon Emissions.
 Linear vent velocity - 77 ft/min

Component		% V/V	lb/Day
Chloroethene	(VC)	<0.01	—
Chloroethane	(EC)	<0.01	—
Methylene Chloride	(MeCl ₂)	0.32	14.6
1,1-Dichloroethene	(VDC)		
1,1-Dichloroethane	(DCE)	<0.01	—
1,2-Dichloroethene	(Cis/Trans)	0.24	11.6
Trichloromethane	(CHCl ₃)	<0.01	—
1,2-Dichloroethane	(EDC)	<0.01	—
1,1,1-Trichloroethane	(MC)	<0.01	—
Tetrachloromethane	(CCl ₄)	0.20	15.4
Trichloroethene	(Trichlor)	0.78	51.2
1,1,2-Trichloroethane	(TCE)	<0.01	—
Tetrachloroethene	(Perchlor)	1.12	92.8
Methyl Chloride	(MeCl)	0.38	9.6
Total ClHC		3.04	195

tons/year - 35.6

PPG INDUSTRIES, INC
INDUSTRIAL CHEMICAL DIVISION
LAKE CHARLES, LA

Laboratory Department

Date: 10/18/81

Analyst: M. Broussard

FILING Data: _____

ANALYSIS OF: Per-Tri Still Line Scrubber Vent
for Chlorinated Hydrocarbon Emissions

Component	V %	lbs/day
MCA	1.05	40.4
VOC/McCl ₂	0.29	16.8
TRANS	0.29	17.6
CCl ₄	0.41	39.8
TRI	0.73	60.7
PER	1.25	130.8
SYM	0.05	5.6
TOTAL	4.07%	311.4/day

Per-Tri Still Line Scrubber Vent
was sampled on 10/15/82 at 9:00 A.M.
Operating Conditions were normal.
Linear flow rate was 97.5 ft/min

C.C.:

M. Wood

J. Elliot

P. Trew

M. Wood

SL 044024