



TO Dick Miller DATE October 5, 1981
FROM Ty Stubblefield SUBJECT Per/Tri Incinerator Header
Ty Stubblefield

Eight minute integrated bag samples were taken at 0.9 liters per minute for the first two samples. Flows were taken from the control room panel. Gas chromatographs equipped with thermal conductivity detectors were utilized for all components except HCl.

The large difference in the HCl content between the first two samples prompted more HCl analyses. A Bendix model 44 pump sampled at 5 mL per second through a 1% pyridine in water solution. A chloride ion-selective electrode was used for HCl analysis. Results indicated a greater fluctuation in HCl content. All data is attached.

gaj

Attachment

cc: H. J. Hoenes, Jr./Lab. file
M. Wood
T. K. Ezelle
A. J. Hoffpauir
Environmental Control
J. E. Wyche

SL 049492

3101-173-L

PPG INDUSTRIES, INC.
CHEMICAL DIVISION-U.S.
LAKE CHARLES, LOUISIANA

Laboratory Department

Date:

10/05/81

Chemist/Analyst:

Shift:

Filing Data:

BT Environmental

Analysis of:

Per/Tri Total Header to Incinerator

	09-17-81		09-30-81		10/01/81		10-2
	0943 hrs.		1031 hrs.		1413 hrs		1406
RATE*	65% Cap, 6000 SCFH		65% Cap, 8500 SCFH		65% Cap, 6000 SCFH		65% Cap
Component	V/V%	#/hr	V/V%	#/hr	V/V%		V
CO ₂	44.31	2985	40.36	3851			
N ₂	35.32	1514	29.62	1798			
CO	7.28	312	7.27	441			
CH ₄	3.46	85	—	—			
Tri	2.02	406	2.14	608			
VOC	1.79	266	1.78	374			
Trans	1.71	254	2.06	433			
CIS	1.61	239	2.05	431			
O ₂	1.25	61	0.83	58			
Per	0.59	150	0.29	104			
VC	0.43	41	0.43	58			
CCl ₄	0.15	35	0.09	30			
C ₂ H ₆	0.07	3	—	—			
C ₂ H ₄	—	—	0.01	1			
HCl	40.1	—	13.	1029	41.0		55.
Penta	—	—	0.07	31			

* Control Panel Data

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