

CHEMICALS



INTEROFFICE / LAKE CHARLES

TO P. S. Trew DATE March 2, 1982
FROM M. G. Carver SUBJECT Central Steam Stripper Vent

MC.

The central steam stripper vent has been characterized for chlorinated hydrocarbon content. The vent is incinerated under normal operating conditions. There are times when operation of the waste incineration unit make it necessary for the vent to be open to the atmosphere ie when a rupture disk "blows" or when the unit is down. Characterization of the vent will allow determination of chlorinated emissions when the vent is not incinerated.

Attached is a series of four analysis.

gaj

Attachments

cc: H. J. Hoenes
C. P. LeBlanc
K. Komoroski
M. Wood
Lab File
E. Gorton

SL 044044

I. Central Steam Stripper
(sampled 1-26-82) Flow rate

Vent
665 ft³/hr

Component		% V/V	lb/Hr
Chloroethene	(VC)	0.46	0.5
Chloroethane	(EC)	0.32	0.4
Methyl Chloride	(MeCl)	0.93	0.8
1,1-Dichloroethene	(VDC)		
1,1-Dichloroethane	(DCE)		
1,2-Dichloroethene	(Cis/Trans)		
Trichloromethane	(CHCl ₃)	5.20	10.5
1,2-Dichloroethane	(EDC)	3.30	5.5
1,1,1-Trichloroethane	(MC)		
Tetrachloromethane	(CCl ₄)		
Trichloroethene	(Trichlor)		
1,1,2-Trichloroethane	(TCE)		
Tetrachloroethene	(Perchlor)		
Total ClHC		10.21	17.7

SL 044045

II. Central Steam Stripper Vent
(sampled 2-9-82) Flow rate 0

Component		% V/V	lb/Hr
Chloroethene	(VC)	0.50	—
Chloroethane	(EC)	0.91	—
Methyl Chloride	(MeCl ₂)	0.93	—
1,1-Dichloroethene	(VDC)		
1,1-Dichloroethane	(DCE)		
1,2-Dichloroethene	(Cis/Trans)		
Trichloromethane	(CHCl ₃)	3.59	—
1,2-Dichloroethane	(EDC)	3.51	—
1,1,1-Trichloroethane	(MC)		
Tetrachloromethane	(CCl ₄)		
Trichloroethene	(Trichlor)		
1,1,2-Trichloroethane	(TCE)		
Tetrachloroethene	(Perchlor)		
Total ClHC		9.44	—

III. Central Steam Stripper Vent
(sampled 2-11-82) Flow rate 2900 ft³/hr

Component		% V/V	lb/Hr
Chloroethene	(VC)	2.50	11.6
Chloroethane	(EC)	2.80	13.4
Methyl Chloride	(MeCl)	2.60	9.7
1,1-Dichloroethene	(VDC)		
1,1-Dichloroethane	(DCE)		
1,2-Dichloroethene	(Cis/Trans)		
Trichloromethane	(CHCl ₃)	6.24	55.1
1,2-Dichloroethane	(EDC)	4.52	33.1
1,1,1-Trichloroethane	(MC)		
Tetrachloromethane	(CCl ₄)		
Trichloroethene	(Trichlor)		
1,1,2-Trichloroethane	(TCE)		
Tetrachloroethene	(Perchlor)		
Total ClHC		18.66	122.9

IV. Central Steam Stripper Vent
(sampled 3-1-82) Flow rate 1620 ft^3/hr

Component		% V/V	lb/Hr
Chloroethene	(VC)	0.17	0.4
Chloroethane	(EC)	0.22	0.6
Methyl Chloride	(MeCl)	0.78	1.6
1,1-Dichloroethene	(VDC)		
1,1-Dichloroethane	(DCE)		
1,2-Dichloroethene	(Cis/Trans)		
Trichloromethane	(CHCl ₃)	3.33	16.4
1,2-Dichloroethane	(EDC)	1.98	8.1
1,1,1-Trichloroethane	(MC)		
Tetrachloromethane	(CCl ₄)		
Trichloroethene	(Trichlor)		
1,1,2-Trichloroethane	(TCE)		
Tetrachloroethene	(Perchlor)		
Total ClHC		6.48	27.1