

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase II ID No.	2019
4	EPA ID No.	LAD008161234
5	Facility Name	Rhodia (formerly Rhone-Poulenc Basic Chemical Co.)
6	Facility Location	
7	City	Baton Rouge
8	State	LA
9	Unit ID Name/No.	Unit 2
10	Other Sister Facilities	?
11	Combustor	Sulfur Acid Recovery Unit
12	Combustor Characteristics	
13	Capacity (MMBtu/hr)	250
14	Soot Blowing	
15	APCS	WESP
16	APCS Characteristics	Wet ESP
17	Hazardous Wastes	Liq
18	Haz Waste Description	Viscous liquid fuel
19	Supplemental Fuel	Natural gas
20		
21	Stack Characteristics	
22	Diameter (ft)	
23	Height (ft)	
24	Gas Velocity (ft/sec)	17
25	Gas Temperature (°F)	93
26		
27	Permitting Status	
28	HWC Burn Status (Date if Terminated)	

	B	C
1	Cond Description	
2		
3		
4	2019C1	
5		
6	Report Name/Date	Trial Burn Results, October 1989
7	Report Prepare	Rohne-Poulenc Basic Chemical Co.
8	Testing Firm	Preiser Laboratories
9	Testing Dates	October 30, 1989
10	Condition Descr	Trial burn; max feedrate
11	Content	PM, CO, HC, HCl, DRE, NOx, SO2, PICs

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions											
2												
3		Comments	Units	7% O2								
4												
5	2019C1					R1		R2		R3		Cond Avg
6												
7	PM		lb/hr			1.56		1.83		1.26		
8	PM		mg/dscm	n		3.61		4.11		3.2		
9	PM		gr/dscf	y		0.0019		0.0021		0.0015		0.0019
10	HCl		mg/dscm	n		0.42		0.34		0.41		
11	HC (RA)		ppmv	n		0.13		0.2		0.6		
12	CO (RA)		ppmv	n		67.3		40.1		36.1		
13	SO2		ppmv	n		1460		1450		1510		
14	NOx		ppmv	n		12.6		12.8		13.9		
15	H2SO4		ppmv	n								
16												
17	(Stack Gas Flowrate)		dscfm			115541		119049		105278		113290
18	Oxygen		%			9.53		9.07		8.27		9.0
19												
20	HCl		ppmv	y		0.28		0.23		0.27		0.26
21	Total Chlorine	Assumed that HCl trai	ppmv	y		0.28		0.23		0.27		0.26
22	HC (RA)		ppmv	y		0.16		0.23		0.66		0.35
23	CO (RA)		ppmv	y		82.1		47.1		39.7		56.3
24												
25												
26	POHCs											
27	POHC DRE	CCI4										
28	POHC Feedrate		lb/hr			5.25		6.98		7.21		
29	Emission Rate		lb/hr			0.000019		0.000028		0.000028		
30	DRE		%			99.99999		99.99999		99.99999		
31	POHC DRE	C2H3Cl3										
32	POHC Feedrate		lb/hr			4.5		5		4.6		
33	Emission Rate		lb/hr			0.000025		0.000026		0.000029		
34	DRE		%			99.99999		99.99999		99.99999		
35	POHC DRE	Toluene										
36	POHC Feedrate		lb/hr			4.5		5.4		5.48		
37	Emission Rate		lb/hr			0.000098		0.000089		0.00013		
38	DRE		%			99.99996		99.99997		99.99996		
39	POHC DRE	C6H6										
40	POHC Feedrate		lb/hr									
41	Emission Rate		lb/hr			0.00046		0.0007		0.00027		
42	DRE		%									
43												
44												
45	PICs											
46	Unknown (m/z 46)		lb/hr			NA		ND		0.0007		
47	Trichlorofluoromethane		lb/hr			NA nd		0.0036 nd		0.0035		
48	Unknown (m/z 59)		lb/hr			NA		ND		0.001		
49	Carbon oxygen sulfide		lb/hr			NA		0.00065		ND		
50	Carbon disulfide		lb/hr			NA nd		0.036 nd		0.035		
51	Tetrachloroethylene		lb/hr			NA		0.0004		0.000035		
52	Benzene		lb/hr			0.0015		0.002		0.0007		
53	Methylcyclohexane		lb/hr			NA		ND		0.00007		
54	C7		lb/hr			NA		0.002		0.0002		
55	C8		lb/hr			NA		0.003		0.0002		
56	C9		lb/hr			NA		0.003		0.0002		
57	C10		lb/hr			NA nd		0.036		0.018		
58	C11		lb/hr			NA		0.022		0.0007		
59	Alkanes NOS		lb/hr			NA		0.022		0.003		
60	Unknown (m/z 58)		lb/hr			NA		ND		0.004		
61	C2 alkyl benzene		lb/hr			NA		ND		0.0001		
62	Benzonitrile		lb/hr			NA		0.0007		0.00004		
63	Benzaldehyde		lb/hr			NA		ND		0.0002		
64	Trichlorobenzene		lb/hr			NA		ND		0.00004		
65	Naphthalene		lb/hr			NA		ND		0.00004		
66	MW 140 Unknown		lb/hr			NA		ND		0.00004		
67	(m/z 57, 69, 111)		lb/hr			NA		ND		0.00004		

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Feedstreams												
2													
3													
4													
5	2019C1												
6	Feed Class 2												
7	Feedstream Description												
8	Feed Rate												
9	Feed Rate												
10	Feed Rate												
11	Thermal Feedrate												
12	Ash												
13	Chlorine												
14	Diesel												
15	Carbon Tet.												
16	1,1,1 TCE												
17	Toluene												
18	Stack Gas Flowrate												
19	Oxygen												
20	Estimated Firing Rate												
21	Feedrate MTEC Calculations												
22	Ash												
23	Chlorine												
24													
25													
26													
27													

	A	B	C
1	Process Information		
2			Cond Avg
3	2019C1		
4			
5	Furnace Oxygen	%	1.8
6	Furnace Temp	°F	1700