	B	C
1	**Source Description**	
2		
3	Phase I ID No.	728
4	EPA ID No.	PRD091024786
5	Facility Name	Eli Lilly and Company
6	Facility Location	
7	City	Mayaquez
8	State	PR
9	Unit ID Name/No.	Brule
10	Other Sister Facilities	0
11	Number of Sister Facilities	0
12	Combustor Class	Onsite Incinerator
13	Combustor Type	Liquid injection
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	12
16	Soot Blowing	No
17	APCS Detailed Acronym	QT/PT/VS
18	APCS General Class	WQ, LEWS,HEWS
19	APCS Characteristics	Quench tower, packed tower, venturi scrubber
20	Hazardous Wastes	Liq
21	Haz Waste Description	HW Liq
22	Supplemental Fuel	Kerosene
23		
24	Stack Characteristics	
25	Diameter (ft)	1.7
26	Height (ft)	57.0
27	Gas Velocity (ft/sec)	44.0
28	Gas Temperature (°F)	156.7
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	**Cond Description**	
2		
3	**728C1**	
4		
5	Report Name/Date	Stationary Source Sampling Report, prepared for Eli Lilly and Company, prepared by Entropy Environmentalists, Hazordous Waste Incineration Testing, Brule Incinerator Stack, November 18, 1987, Mayaguez, Puerto Rico, Reference # 5720
6	Report Prepare	Entropy Inc.
7	Testing Firm	Entropy Inc.
8	Cond Descr	Trial burn
9	Testing Dates	November 18, 1987
10	Cond Dates	Nov-87

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions 2**											
2												
3												
4												
5												
6	**728C1**					R1		R2		R3		Cond Avg
7												
8	PM	E1	gr/dscf	y		0.0453		0.0429		0.0425		0.0436
9	HCl	E1	ppmv	y	nd	0.0		0.4		0.7		0.4
10	Total Chlorine	E1	ppmv	y		0.0		0.4		0.7		0.4
11												
12	Sampling Train	PM/HCl	E1									
13	Stack Gas Flowrate		dscfm			4084.0		3941.0		3915.0		
14	O2		%			10.3		10.4		10.2		
15	Moisture		%			19.6		20.0		20.6		
16	Temperature		°F			156.0		157.0		157.0		
17												
18	Acetonitrile	E1	%			99.998		99.997		99.99		
19	Carbon Tetrachloride	E1	%			99.9998		99.9998		99.9998		
20	Methylene chloride	E1	%			99.998		99.998		99.993		

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	**Feedstream 2**																				
2																					
3																					
4	**728C1**				R1		R2		R3		R1		R2		R3		R1		R2		R3
5																					
6	Feedstream Number				F1		F1		F1		F2		F2		F2						
7	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW						
8	Feed Class 2																HW		HW		HW
9	Feedstream Description				Main liquid waste		Main liquid waste		Main liquid waste		Sec liq waste		Sec liq waste		Sec liq waste						
10	Feed Rate		lb/hr		732.6		736.2		729		1454.4		1444.8		1387.2						
11	Heating value		Btu/lb		6977		6706		6234		157		158		177						
12	Ash		wt %		1.03		1.05		1.15		0.728		0.696		0.601						
13	Chlorine		ppmw		277095		264874		271605		7357		8375		2393						
14																					
15	Gas flowrate		dscfm		4084		3941		3915		4084		3941		3915						
16	Oxygen		%		10.3		10.4		10.2		10.3		10.4		10.2						
17																					
18	Thermal Feedrate		MMBtu/hr		5.11		4.94		4.54		0.23		0.23		0.25						
19	Estimated Firing Rate		MMBtu/hr																		
20																					
21	*Feedrate MTEC Calculation*																				
22	Ash		mg/dscm		646.4		692.7		742.2		907.0		901.1		738.1		1553.3		1593.7		1480.3
23	Chlorine		ug/dscm		1.74E+07		1.75E+07		1.75E+07		9.17E+05		1.08E+06		2.94E+05		1.83E+07		1.86E+07		1.78E+07

	B	W	X	Y	Z	AA	AB	AC	AD
1	**Feedstream 2**								
2									
3									
4	**728C1**		R1		R2		R3		Cond Avg
5									
6	Feedstream Number		F2		F3		F3		F3
7	Feed Class		Total		Total		Total		Total
8	Feed Class 2		Total		Total		Total		Total
9	Feedstream Description		Total		Total		Total		Total
10	Feed Rate								
11	Heating value								
12	Ash								
13	Chlorine								
14									
15	Gas flowrate		4084		3941		3915		3980
16	Oxygen		10.3		10.4		10.2		10.3
17									
18	Thermal Feedrate		5.34		5.17		4.79		5.10
19	Estimated Firing Rate								13.5
20									
21	*Feedrate MTEC Calcula*								
22	Ash		1553.3		1593.7		1480.3		1542.4
23	Chlorine		1.83E+07		1.86E+07		1.78E+07		1.82E+07

	C	D	E	F	G
1	**Process Information 2**				
2					
3	**728C1**				
4					
5	Quench pH		1.6	1.5	1.5
6	Packed Tower pH		6.7	9	8.9
7	Venturi Scrubber pH		9.2	8.6	8.6