	B	C
1	**Source Description**	
2		
3	Phase I ID No.	3033
4	EPA ID No.	IND072040348
5	Facility Name	Eli Lilly and Company
6	Facility Location	
7	City	Clinton
8	State	IN
9	Unit ID Name/No.	TO4
10	Other Sister Facilities	TO3, T49 at Lafayette IN Lilly Site
11	Combustor Class	Onsite Incinerator
12	Combustor Type	Liquid injection
13	Combustor Characteristics	Liquid injection
14		
15	Capacity (MMBtu/hr)	75
16	Soot Blowing	No
17	APCS Detailed Acronym	QT/VS
18	APCS General Class	WQ, HEWS
19	APCS Characteristics	Quench, venturi scrubber
20	Hazardous Wastes	Liquid
21	Haz Waste Description	
22	Supplemental Fuel	Nat gas
23		
24	Stack Characteristics	
25	Diameter (ft)	2.50
26	Height (ft)	80
27	Gas Velocity (ft/sec)	
28	Gas Temperature (°F)	
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Descr**	
2		
3	**3033C1**	
4		
5	Report Name/Date	No. 5133E/5307B, Eli Lilly and Company, Clinton, Indiana, RCRA Hazardous Waste Incineration Testing, Condition 6 and Normal Waste Feed, TO3 Incinerator Stack, June 19 and September 30, 1986
6	Report Prepar	Entropy, Inc.
7	Testing Firm	Entropy, Inc.
8	Testing Dates	19-Jun-86
9	Cond Dates	Sep-86
10	Cond Description	Trial burn, POHC DRE demo, max chlorine
11	Content	POHC, HCl
12		
13	**3033C2**	
14		
15	Report Name/Date	No. 5133E/5307B, Eli Lilly and Company, Clinton, Indiana, RCRA Hazardous Waste Incineration Testing, Condition 6 and Normal Waste Feed, TO3 Incinerator Stack, June 19 and September 30, 1986
16	Report Prepar	Entropy, Inc.
17	Testing Firm	Entropy, Inc.
18	Testing Dates	30-Sep-86
19	Cond Dates	Sep-86
20	Cond Description	Normal operations
21	Content	PM

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions**											
2												
3		Comments	Units	7% O2								
4												
5	**3033C1**					R1		R2		R3		Cond Avg
6												
7	CO (RA)	E1	ppmv	y		0.38		2.16		0.69		1.08
8	HCl	E1	ppmv	y		107		100		82		96.3
9	Total Chlorine	E1	ppmv	y		107		100		82		96.3
10												
11	POHC DRE	Carbon Tetrachloride										
12	POHC Feedrate		lb/hr			264		258		267		
13	POHC Emissions		lb/hr			0.00155		0.00173		0.00184		
14	POHC DRE		%			99.9994		99.9994		99.9993		
15												
16	POHC DRE	Methylene Chloride										
17	POHC Feedrate		lb/hr			1622		1588		1645		
18	POHC Emissions		lb/hr			0.00359		0.00638	<	0.00761		
19	POHC DRE		%			99.9998		99.9996	>	99.999		
20												
21	Sampling Train	HCl	E1									
22	Stack Gas Flowrate		dscfm			12718		12072		11853		12214.3
23	O2		%			5.5		4		4.1		4.5
24	Moisture		%			41.3		32.7		33.4		35.8
25	Temperature		°F			170		160		161		163.7
26												
27	**3033C2**					R1		R2		R3		Cond Avg
28												
29	PM	E1	gr/dscf	y		0.0385		0.0174		0.0431		0.0330
30												
31	Sampling Train	PM	E1									
32	Stack Gas Flowrate		dscfm			11902		11581		11016		11499.7
33	O2		%			4.5		7.4		4.1		5.3
34	Moisture		%			35.7		38.7		39.8		38.1
35	Temperature		°F			163		169		169		167.0

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	**Feedrate**																				
2																					
3																					
4	**3033C1**				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1
5																					
6	Feedstream Description				Main liquid waste		Main liquid waste		Main liquid waste		Main liquid waste		Secondary liquid waste		Secondary liquid waste		Secondary liquid waste		Secondary liquid waste		Total
7	Feed Class 2																				Total
8	Feed Rate		lb/hr		6205		5955		6055		6071.7		13010		13010		13010		13010		
9	Heating Value		Btu/lb		3600		3600		3600		3600.0		500		500		500		500		
10	Chlorine		wt %		39.6		39.1		36.4		38.4		5.6		5.6		5.6		5.6		
11	Ash		wt %		2.9		2.9		2.9		2.9		9		9		9		9		
12																					
13	Stack Gas Flowrate		dscfm		12718		12072		11853		12214.3		12718		12072		11853		12214.3		
14	Oxygen		%		5.5		4		4.1		4.5		5.5		4		4.1		4.5		
15																					
16	Thermal Feedrate		MMBtu/hr		22.3		21.4		21.8		21.9		6.5		6.5		6.5		6.5		
17	Estimated Firing Rate		MMBtu/hr																		
18																					
19	*Feedrate MTEC Calculations*																				
20	Chlorine		ug/dscm	y	46658702		42469444		41185728		43437958		13834422		13288727		13614338		13579162		60493124
21	Ash		ug/dscm	y	3417		3150		3281		3283		22234		21357		21880		21824		25651
22																					
23																					
24	**3033C2**				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1
25																					
26	Feedstream Description				Main liquid waste		Main liquid waste		Main liquid waste		Main liquid waste		Secondary liquid waste		Secondary liquid waste		Secondary liquid waste		Secondary liquid waste		Total
27	Feed Class 2																				Total
28	Feed Rate		lb/hr		4403		4353		4353		4369.7		13260		13511		13511		13427.3		
29	Heating Value		Btu/lb																		
30	Chlorine		lb/hr		38.6		39.6		38		38.7		7.32		7.45		7.42		7.4		
31	Ash		lb/hr		3		3		3		3.0		9.9		9.9		9.9		9.9		
32																					
33	Stack Gas Flowrate		dscfm		11902		11581		11016		11499.7		11902		11581		11016		11499.7		11902
34	Oxygen		%		4.5		7.4		4.1		5.3		4.5		7.4		4.1		5.3		4.5
35																					
36	Thermal Feedrate		MMBtu/hr																		
37	Estimated Firing Rate		MMBtu/hr																		
38																					
39	*Feedrate MTEC Calculations*																				
40	Chlorine		ug/dscm	y	32395024		40968030		33258896		35540650		18501073		23922414		20157050		20860179		50896097
41	Ash		mg/dscm	y	2518		3104		2626		2749		25022		31790		26894		27902		27540

	W	X	Y	Z	AA	AB
1						
2						
3						
4		R2		R3		Cond Avg
5						
6		Total		Total		Total
7		Total		Total		Total
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20		55758171		54800066		57017120
21		24507		25161		25106
22						
23						
24		R2		R3		Cond Avg
25						
26		Total		Total		Total
27		Total		Total		Total
28						
29						
30						
31						
32						
33		11581		11016		11499.7
34		7.4		4.1		5.3
35						
36						
37						
38						
39						
40		64890444		53415946		56400829
41		34893		29520		30651

	B	C	D	E
1	**Process Information**			
2				
3	**3007C1**			
4				Cond Avg