	B	C
1	**Source Description**	
2		
3	Phase I ID No.	3022
4	EPA ID No.	
5	Facility Name	Safety Kleen (BDT), Inc.
6	Facility Location	
7	City	Clarence
8	State	New York
9	Unit ID Name/No.	Subbeam Comtro A-22 fixed hearth
10	Other Sister Facilities	
11	Number of Sister Facilities	0
12	Combustor Class	Commerical incinerator
13	Combustor Type	Fixed hearth
14	Combustor Characteristics	Two chamber natural gas fired incinerator. Burning Li, Na, and Mg. Operating at 1500oF
15	Capacity (MMBtu/hr)	0.5
16	Soot Blowing	
17	APCS Detailed Acronym	Q/VS/FF
18	APCS General Class	WQ, HEWS, FF
19	APCS Characteristics	Quench, venturi scrubber, fiber bed filter
20	Hazardous Wastes	Solid
21	Haz Waste Description	Sodium dichromate dihydrate, lead acetate trihydrate and mercuric oxide
22	Supplemental Fuel	Natural gas
23		
24	Stack Characteristics	
25	Diameter (ft)	0.83
26	Height (ft)	
27	Gas Velocity (ft/sec)	38.6
28	Gas Temperature (°F)	123
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Description**	
2		
3	**3022C1**	
4		
5	Report Name/Date	Annual Stack Emission Test Report, December 2000
6	Report Prepare	Nicholson Environmental Inc.
7	Testing Firm	Nicholson Environmental Inc.
8	Testing Dates	December 11-12, 2000
9	Cond Dates	Dec-00
10	Condition Descr	Max load, normal operations
11	Content	

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions**											
2												
3		Comment	Units	7% O2								
4												
5												
6	**3022C1**					R1		R2		R3		Cond Avg
7												
8	PM	E1	gr/dscf	y		0.0097		0.004		0		0.005
9	CO (RA)		ppmv	n		32.5		26.9		25.6		28.3
10												
11	Chromium		lb/hr	n		3.64E-07		1.68E-06		2.78E-06		
12	Lead		lb/hr	n		8.69E-06		8.36E-06		1.85E-05		
13	Magnesium		lb/hr	n		1.08E-03		1.13E-03		9.20E-04		
14	Mercury		lb/hr	n		8.44E-03		2.47E-03		1.77E-03		
15												
16	Sampling Train	PM	E1									
17	Stack Gas Flowrate		dscfm			1017		936.2		984.8		979.3
18	O2		%			17.9		17.8		18		17.9
19	Moisture		%			12.4		12.4		12.8		12.5
20	Temperature		°F			122.3		122.8		123.1		122.7
21												
22	CO (RA)	E1	ppmv	y		146.8		117.7		119.5		128.0
23												
24	Chromium	E1	ug/dscm	y		0.43		2.10		3.52		2.0
25	Lead	E1	ug/dscm	y		10.32		10.45		23.44		14.7
26	Magnesium	E1	ug/dscm	y		1282.29		1411.91		1165.64		1286.6
27	Mercury	E1	ug/dscm	y		10020.88		3086.20		2242.59		5116.6
28	SVM	E1	ug/dscm	y		10.32		10.45		23.44		14.73
29	LVM	E1	ug/dscm	y		0.43		2.10		3.52		2.02

	B	C	D	E	F	G	H
1	**Feedstream 1**						
2							
3	**3022C1**	**Trial burn**			Cond Avg		Cond Avg
4							
5	Feedstream Number				F1		F2
6	Feed Class				Solid HW		Total
7	Feed Class 2				HW		Total
8	Feedstream Description				Solid Wastes		Total
9	Feed Rate		lb/hr				
10	Heating Value		Btu/lb				
11	Thermal Feedrate		MM Btu/hr				
12	Density		g/ml				
13	Viscosity		cSt				
14	Chromium		g/hr		0.8		
15	Lead		g/hr		7.4		
16	Mercury		g/hr		0.5		
17							
18	Stack Gas Flowrate		dscfm		979.3		
19	Oxygen		%		17.9		
20							
21	Thermal Feedrate		MMBtu/hr				
22	Estimated Firing Rate		MMBtu/hr				
23							
24	*Feedrate MTEC Calculations*						
25							
26	Chromium		ug/dscm		2172.6		2172.6
27	Lead		ug/dscm		20096.9		20096.9
28	Mercury		ug/dscm		1357.9		1357.9
29	SVM		ug/dscm		20096.9		20096.9
30	LVM		ug/dscm		2172.6		2172.6

	B	C	D	E	F	G
1	**Process Information**					
2						
3	**3022C1 Trial burn**			R1	R2	R3
4						
5	Primary Comb Chamber Temp	^{o}F		1419	1498	1510
6	Secondary Comb Chamber	^{o}F		1535	1488	1519
7	Primary Pressure	W.C		-0.6	-0.7	-0.5
8	Venturi pH	pH		9.5	10.07	10.07
9	Venturi Diff Pressure	W.C		40	42	39
10	Venturi Temperature	^{o}F		148.5	148.6	151
11	Venturi Pressure Upper Pump	gpm		5.4	5	5
12	Venturi Pressure Lower Pump	pH		6	6	6
13	Pre-Filter Diff Pressure	pH		8	5.6	6.7
14	Filter Bed Diff. Pressure	in. W.C		2.5	2.5	2.4