	B	C
1	**Source Description**	
2		
3	Phase I ID No.	3029
4	EPA ID No.	IND006419212
5	Facility Name	Lone Star
6	Facility Location	
7	City	Greencastle
8	State	IN
9	Unit ID Name/No.	
10	Other Sister Facilities	
11	Number of Sister Facilities	0
12	Combustor Class	Cement Kiln
13	Combustor Type	Semi-dry, short, preheater, precalciner, in-line raw mill (ILRM)
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	
16	APCS Detailed Acronym	ESP (main), FF (bypass)
17	APCS General Class	ESP, FF
18	APCS Characteristics	ESP made by Southern, 10 fields; FF membrane filter, with cloth area 22,055 ft2, Combined main / bypass single stack
19	Hazardous Wastes	Liq
20	Haz Waste Description	
21	Supplemental Fuel	Coal
22		
23	Stack Characteristics	
24	Diameter (ft)	
25	Height (ft)	
26	Gas Velocity (ft/sec)	
27	Gas Temperature (°F)	
28		
29	Permitting Status	Tier I for Hg, Ag, Tl, Sb, and Ba; Tier III for Pb, As, Be, Cd, and Cr
30	HWC Burn Status (Date if Terminated)	

	B	C
1	**Cond Description**	
2		
3	**3029C10**	
4		
5	Report Name/Date	PIC Risk Burn Report, Lone Star Industries, February, 2001
6	Report Prepare	Gossman Consulting
7	Testing Firm	Airtech Environmental Services
8	Testing Dates	December 7-9, 2000
9	Cond Dates	Dec-00
10	Condition Descr	Risk burn, max oper temp, normal wastes
11	Content	PICs, D/F
12		
13	**3029C11**	
14		
15	Report Name/Date	Final Recertification of Compliance Test Report, Lone Star Industries, January 2001
16	Report Prepare	Gossman Consulting
17	Testing Firm	Airtech Environmental Services
18	Testing Dates	December 6, 2000
19	Cond Dates	Dec-00
20	Condition Descr	CoC; max oper conditions
21	Content	PM, HCl/Cl2, metals, CO, HC

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**Stack Gas Emissions 1**												
2													
3													
4	**3029C10**	Risk burn PICs				R1		R2		R3		Cond Avg	
5													
6	CO (RA)	E1	ppmv	y		15		5.5		6.5		9.0	bypass?
7	CO (MHRA)	E1	ppmv	y		24		14.1		9.4		15.8	bypass?
8													
9	HC (RA)	E1	ppmv	y		0.2		0.1		0.1		0.1	bypass?
10	HC (MHRA)	E1	ppmv	y		0.4		0.4		0.2		0.3	bypass?
11													
12	Sampling Train	PCDD/PCDF	E1										
13	Stack Gas Flowrate		dscfm			226000		220000		215000		220333	
14	O2		%			4.8		5.8		6.4		5.7	
15	Moisture		%			37.1		36.7		36.2		36.7	
16	Temperature		°F			378		377		376		377.0	
17													
18													
19	**3029C11**					R1		R2		R3		Cond Avg	
20													
21	CO (RA)	E1	ppmv	y		6		12		27		15.0	bypass?
22	CO (MHRA)	E1	ppmv	y		10		38		51		33.0	bypass?
23													
24	HC (RA)	E1	ppmv	y		0.2		0.6		0.7		0.5	bypass?
25	HC (MHRA)	E1	ppmv	y		0.3		0.9		1		0.7	bypass?
26													
27	PM	E1	gr/dscf	y		0.01		0.00992		0.0113		0.0104	
28													
29	HCl	E1	ppmv	y		0.319		2.28		1.71		1.44	
30	Cl2	E1	ppmv	y		0.0814		0.242		0.162		0.16	
31	Total Chlorine	E1	ppmv	y		0.4818		2.764		2.034		1.76	
32													
33	Silver	E2	ug/dscm	y		1.73		0.804		0.724		1.09	
34	Aluminum	E2	ug/dscm	y		893		619		753		755.00	
35	Arsenic	E2	ug/dscm	y		0.693		0.603		0.579		0.63	
36	Barium	E2	ug/dscm	y		10.5		8.98		9.2		9.56	
37	Beryllium	E2	ug/dscm	y		0.0693		0.067		0.0724		0.07	
38	Cadmium	E2	ug/dscm	y		0.346		0.268		0.362		0.33	
39	Chromium	E2	ug/dscm	y		13.4		12.9		12.7		13.00	
40	Cobalt	E2	ug/dscm	y		0.554		0.603		0.579		0.58	
41	Copper	E2	ug/dscm	y		3.74		3.35		6.01		4.37	
42	Manganese	E2	ug/dscm	y		13		16.1		38.8		22.63	
43	Nickel	E2	ug/dscm	y		1.73		1.74		1.59		1.69	
44	Lead	E2	ug/dscm	y		2.91		2.55		2.9		2.79	
45	Antimony	E2	ug/dscm	y		0.9		0.536		0.724		0.72	
46	Selenium	E2	ug/dscm	y	nd	0.346	nd	0.335	nd	0.362		0.35	
47	Thallium	E2	ug/dscm	y		5.4		3.22		3.26		3.96	
48	Vanadium	E2	ug/dscm	y		1.8		1.14		1.67		1.54	
49	Zinc	E2	ug/dscm	y		7.34		10.6		7.82		8.59	
50	Mercury	E2	ug/dscm	y		6.34		5.29		2.9		4.84	
51	Chromium (Hex)	E2	ug/dscm	y	nd	0.314	nd	0.549	nd	0.53		0.46	
52													
53	SVM	E2	ug/dscm	y		3.3		2.8		3.3		3.11	
54	LVM	E2	ug/dscm	y		14.2		13.6		13.4		13.69	
55													
56	Sampling Train	PM, HCl/Cl2	E1										
57	Stack Gas Flowrate		dscfm			232000		233100		239700		234933.3	
58	O2		%			4.3		4.4		5.2		4.6	
59	Moisture		%			33.8		34.7		32.5		33.7	
60	Temperature		°F			374		382		378		378.0	
61													
62	Sampling Train	Metals	E2										
63	Stack Gas Flowrate		dscfm			216500		222000		222500		220333.3	
64	O2		%			4.5		4.3		5.5		4.8	
65	Moisture		%			35.3		34.1		35.5		35.0	
66	Temperature		°F			372		381		376		376.3	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	**Feedstream 1**																							
2																								
3	**3029C10**	Risk Burn PICs			R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2	
4																								
5	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2		F3		F3	
6	Feed Class				Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material		Liq HW		Liq HW	
7	Feed Class 2				Coal		Coal		Coal		Coal		RM		RM		RM		RM					
8	Feedstream Description				Coal		Coal		Coal		Coal		Raw Matl		Raw Matl		Raw Matl		Raw Matl		Liq Waste		Liq Waste	
9	Feed Rate		lb/hr		39400		37200		35000		37200		884000		854000		812000		850000		26400		25000	
10	Thermal Feedrate		MMBtu/hr		524.0		494.8		465.5		494.8										308.9		292.5	
11	Chlorine		ppmw								630.0								35.7					
12																								
13	Stack Gas Flowrate		dscfm								220333.3								220333.3					
14	Oxygen		%								5.7								5.7					
15																								
16	*Feedrate MTEC Calculations*																							
17	Chlorine		ug/dscm	y							25966.5								33621.5					
18																								
19	**3029C11**				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2	
20																								
21	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2		F3		F3	
22	Feed Class				Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material		Liq HW		Liq HW	
23	Feed Class 2				Coal		Coal		Coal		Coal		RM		RM		RM		RM					
24	Feedstream Description				Coal		Coal		Coal		Coal		Raw Matl		Raw Matl		Raw Matl		Raw Matl		Liq Waste		Liq Waste	
25	Feed Rate		tons/hr		20.4		17.8		19.1		19.10		426		410		422		419		9.5		11.9	
26	Heating Value		Btu/lb		13000		13000		13000		13000										12200		12400	
27	Thermal Feedrate		MMBtu/hr		530.4		462.8		496.6		497										231.8		295.12	
28	Chlorine		ppmw		167		167		167		167.0		35.2		35.2		35.2		35.2		25100		26200	
29	Mercury		ppmw		0.0275		0.0275		0.0275		0.028		0.00355		0.00355		0.00355		0.0		0.159		0.189	
30	Antimony		ppmw		1.78		1.78		1.78		1.8		0.823		0.823		0.823		0.8		0.44		0.434	
31	Arsenic		ppmw		56		56		56		56.0		1.13		1.13		1.13		1.1		1.14		1.45	
32	Barium		ppmw		39.1		39.1		39.1		39.1		74.7		74.7		74.7		74.7		596		645	
33	Beryllium		ppmw		3		3		3		3.0		0.341		0.341		0.341		0.3		0.0373		0.0331	
34	Cadmium		ppmw		0.611		0.611		0.611		0.6		0.291		0.291		0.291		0.3		1.96		2.15	
35	Chromium		ppmw		12.1		12.1		12.1		12.1		37.5		37.5		37.5		37.5		125		115	
36	Lead		ppmw		29.3		29.3		29.3		29.3		2		2		2		2.0		207		216	
37	Nickel		ppmw		28.3		28.3		28.3		28.3		10.2		10.2		10.2		10.2		10.4		11	
38	Selenium		ppmw		1.88		1.88		1.88		1.9		1.55		1.55		1.55		1.6		0.778		1.03	
39	Silver		ppmw		0.27		0.27		0.27		0.3		0.165		0.165		0.165		0.2		1.15		1.24	
40	Thallium		ppmw		0.961		0.961		0.961		1.0		0.0175		0.0175		0.0175		0.0		0.338		0.324	
41																								
42	Stack Gas Flowrate		dscfm		232000.0		233100.0		239700.0		234933.3		232000.0		233100.0		239700.0		234933.3		232000.0		233100.0	
43	Oxygen		%		4.3		4.4		5.2		4.6		4.3		4.4		5.2		4.6		4.3		4.4	
44																								
45	*Feedrate MTEC Calculations*																							
46	Chlorine		ug/dscm	y	6583		5751		6305		6210		28975		27922		29363		28739		460754		603218	
47	Mercury		ug/dscm	y	1		1		1		1		3		3		3		3		3		4	
48	Antimony		ug/dscm	y	70		61		67		66		677		653		687		672		8		10	
49	Arsenic		ug/dscm	y	2207		1929		2114		2083		930		896		943		923		21		33	
50	Barium		ug/dscm	y	1541		1347		1476		1454		61490		59256		62314		60989		10941		14850	
51	Beryllium		ug/dscm	y	118		103		113		112		281		270		284		278		1		1	
52	Cadmium		ug/dscm	y	24		21		23		23		240		231		243		238		36		50	
53	Chromium		ug/dscm	y	477		417		457		450		30868		29747		31282		30617		2295		2648	

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AN	AN	AO	AP	AQ	AR	AS	AT	AU
1	**Feedstream 1**																						
2																							
3	**3029C10**	R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1	
4																							
5	Feedstream Number	F3		F3		F4		F4		F4		F4										F5	
6	Feed Class	Liq HW		Liq HW		Solid non-HW		Solid non-HW		Solid non-HW		Solid non-HW										Total	
7	Feed Class 2					Non-HW		Non-HW		Non-HW		Non-HW		HW		HW		HW		HW		Total	
8	Feedstream Description	Liq Waste		Liq Waste		Solid Waste		Solid Waste		Solid Waste		Solid Waste										Total	
9	Feed Rate	24200		2.52E+04		400		400		400		400											
10	Thermal Feedrate	283.1		294.8		2.9		2.9		2.9		2.9		308.9		292.5		283.1		294.8		835.8	
11	Chlorine			21133.0								3843.0											
12																							
13	Stack Gas Flowrate			220333.3								220333.3											
14	Oxygen			5.7								5.7											
15																							
16	*Feedrate MTEC Calculations*																						
17	Chlorine			590053.1								1703.2								591756.3			
18																							
19	**3029C11**	R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1	
20																							
21	Feedstream Number	F3		F3		F4		F4		F4		F4										F5	
22	Feed Class	Liq HW		Liq HW		Solid non-HW		Solid non-HW		Solid non-HW		Solid non-HW										Spike	
23	Feed Class 2					Non-HW		Non-HW		Non-HW		Non-HW		HW		HW		HW		HW		Spike	
24	Feedstream Description	Liq Waste		Liq Waste		Solid Waste		Solid Waste		Solid Waste		Solid Waste										Spike	
25	Feed Rate	11.9		11		0.18		0.16		0.17		0.17											
26	Heating Value	12300		12300		5660		7490		7670		6940											
27	Thermal Feedrate	292.74		273		2.0		2.4		2.6		2.3474		231.8		295.12		292.74		273.22			
28	Chlorine	25500		25600.0		2610		2990		2500		2700											
29	Mercury	0.202		0.2		0.732		0.599		0.0388		0											
30	Antimony	0.532		0.5		193		146		52		130											
31	Arsenic	1.21		1.3		4.87		4.25		1.9		4										3309.7	
32	Barium	626		622.3		631		991		182		601											
33	Beryllium	0.0403		0.0		0.911		0.764		0.681		1											
34	Cadmium	2.05		2.1		4.2		4.24		0.896		3										2792.1	
35	Chromium	126		122.0		109		136		31.3		92										27739.4	
36	Lead	210		211.0		1010		887		36		644										10001.6	
37	Nickel	11.4		10.9		52.2		72.3		15.6		47											
38	Selenium	0.896		0.9		2.39		2.56		1.89		2											
39	Silver	1.3		1.2		1.88		10.9		0.32		4											
40	Thallium	0.317		0.3		0.656		0.587		0.447		1											
41																							
42	Stack Gas Flowrate	239700.0		234933.3		232000.0		233100.0		239700.0		234933.3										232000.0	
43	Oxygen	5.2		4.6		4.3		4.4		5.2		4.6										4.3	
44																							
45	*Feedrate MTEC Calculations*																						
46	Chlorine	599844		553266		908		926		840		894		461662		604143		600684		554160		0	
47	Mercury	5		4		0		0		0		0		3		5		5		4		0	
48	Antimony	13		10		67		45		17		43		75		55		30		53		0	
49	Arsenic	28		27		2		1		1		1		23		35		29		29		7043	
50	Barium	14726		13450		219		307		61		199		11160		15157		14787		13649		0	
51	Beryllium	1		1		0		0		0		0		1		1		1		1		0	
52	Cadmium	48		44		1		1		0		1		37		51		49		45		5942	
53	Chromium	2964		2637		38		42		11		30		2333		2690		2974		2667		59031	

	B	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH
1	**Feedstream 1**													
2														
3	**3029C10**	R2		R3		Cond Avg								
4														
5	Feedstream Number	F5		F5		F5								
6	Feed Class	Total		Total		Total								
7	Feed Class 2	Total		Total		Total								
8	Feedstream Description	Total		Total		Total								
9	Feed Rate													
10	Thermal Feedrate	790.1		751.5		792.5								
11	Chlorine													
12														
13	Stack Gas Flowrate													
14	Oxygen													
15														
16	*Feedrate MTEC Calculations*													
17	Chlorine					651344.2								
18														
19	**3029C11**	R2		R3		Cond Avg		R1		R2		R3		Cond Avg
20														
21	Feedstream Number	F5		F5		F5		F6		F6		F6		F6
22	Feed Class	Spike		Spike		Spike		Total		Total		Total		Total
23	Feed Class 2	Spike		Spike		Spike		Total		Total		Total		Total
24	Feedstream Description	Spike		Spike		Spike		Total		Total		Total		Total
25	Feed Rate													
26	Heating Value													
27	Thermal Feedrate							764.2		760.3		791.9		772.2
28	Chlorine													
29	Mercury													
30	Antimony													
31	Arsenic	3096.3		3473.1		3.29E+03								
32	Barium													
33	Beryllium													
34	Cadmium	3000.9		3087.2		2960								
35	Chromium	25269.6		26454.6		26488								
36	Lead	10074.3		10437.5		10171								
37	Nickel													
38	Selenium													
39	Silver													
40	Thallium													
41														
42	Stack Gas Flowrate	233100.0		239700.0		234933.3								
43	Oxygen	4.4		5.2		4.6								
44														
45	*Feedrate MTEC Calculations*													
46	Chlorine	0		0		0		497220		637817		636353		589110
47	Mercury	0		0		0		7		8		9		8
48	Antimony	0		0		0		823		769		784		791
49	Arsenic	6598		7561		7061		10203		9457		10647		10095
50	Barium	0		0		0		74191		75759		78577		76092
51	Beryllium	0		0		0		400		375		399		391
52	Cadmium	6394		6721		6347		6243		6697		7035		6653
53	Chromium	53844		57593		56798		92709		86698		92306		90532

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
54	Lead		ug/dscm	y	1155		1009		1106		1090		1646		1586		1668		1633		3800		4973	
55	Nickel		ug/dscm	y	1116		975		1068		1052		8396		8091		8509		8328		191		253	
56	Selenium		ug/dscm	y	74		65		71		70		1276		1230		1293		1266		14		24	
57	Silver		ug/dscm	y	11		9		10		10		136		131		138		135		21		29	
58	Thallium		ug/dscm	y	38		33		36		36		14		14		15		14		6		7	
59																								
60	SVM		ug/dscm	y	1179		1030		1129		1112		1886		1817		1911		1870		3836		5023	
61	LVM		ug/dscm	y	2803		2449		2684		2644		32079		30914		32509		31818		2316		2682	

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
54	Lead	4940		4560		351		275		12		213		4151		5248		4952		4773		21284	
55	Nickel	268		236		18		22		5		15		209		276		273		252		0	
56	Selenium	21		19		1		1		1		1		15		25		22		20		0	
57	Silver	31		27		1		3		0		1		22		32		31		28		0	
58	Thallium	7		7		0		0		0		0		6		8		8		7		0	
59																							
60	SVM	4988		4605		353		276		12		214		4189		5298		5001		4819		27226	
61	LVM	2993		2665		40		44		11		32		2356		2726		3005		2697		66075	

	B	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH
54	Lead	21466		22723		21810		28237		29309		30449		29306
55	Nickel	0		0		0		9721		9341		9851		9632
56	Selenium	0		0		0		1365		1319		1386		1356
57	Silver	0		0		0		168		172		179		173
58	Thallium	0		0		0		59		55		58		57
59														
60	SVM	27860		29444		28157		34479		36006		37485		35959
61	LVM	60442		65154		63859		103313		96530		103352		101018

	B	C	D	E	F	G	H
1	**Process Information 1**						
2							
3	**3029C10**		Ris	1	2	3	Cond Avg
4							
5	ESP Power	kVA		180	183	177	
6	ESP Inlet Temp	F		401	399	401	400
7	FF Bypass Inlet Temp	F		428	425	422	425
8	Combustion Temp	F		1722	1699	1703	
9							
10	**3029C11**		20(	1	2	3	Cond Avg
11							
12	ESP Power	kVA		199	215	211	
13	ESP Inlet Temp	F		401	414	405	407
14	FF Bypass Inlet Temp	F		389	386	395	390
15	Combustion Temp	F		1723	1722	1720	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		**PCDD/PCDF**																
2																		
3		Facility Name and ID:	Lone Star, Greencastle, IN															
4		Condition ID:	3029C10															
5		Condition/Test Date:	PIC risk burn, Dec 2000															
6																		
7			I-TEF			Run 1					Run 2					Run 3		
8			Wght Fact		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ
9					Full ND	Full ND	1/2 ND	1/2 ND		Full ND	Full ND	1/2 ND	1/2 ND		Full ND	Full ND	1/2 ND	1/2 ND
10		Detected in sample volume (pg)																
11		2,3,7,8-TCDD	1	nd	9.46	9.4600	4.730	4.7300	nd	8.09	8.0900	4.045	4.0450	nd	10.9	10.9000	5.450	5.4500
12		1,2,3,7,8-PCDD	0.5	nd	13.2	6.6000	6.600	3.3000	nd	14.4	7.2000	7.200	3.6000	nd	15.3	7.6500	7.650	3.8250
13		1,2,3,4,7,8-HxCDD	0.1	nd	27.4	2.7400	13.700	1.3700	nd	20	2.0000	10.000	1.0000	nd	27.5	2.7500	13.750	1.3750
14		1,2,3,6,7,8-HxCDD	0.1	nd	30.6	3.0600	15.300	1.5300	nd	22.3	2.2300	11.150	1.1150	nd	30.6	3.0600	15.300	1.5300
15		1,2,3,7,8,9-HxCDD	0.1	nd	27.4	2.7400	13.700	1.3700	nd	19.9	1.9900	9.950	0.9950	nd	27.4	2.7400	13.700	1.3700
16		1,2,3,4,6,7,8-HpCDD	0.01	nd	26.4	0.2640	13.200	0.1320	nd	34.4	0.3440	17.200	0.1720	nd	21.4	0.2140	10.700	0.1070
17		OCDD	0.001	nd	51.9	0.0519	25.950	0.0260	nd	90.3	0.0903	45.150	0.0452	nd	53.5	0.0535	26.750	0.0268
18		2,3,7,8-TCDF	0.1	nd	29.9	2.9900	14.950	1.4950	nd	19.2	1.9200	9.600	0.9600		10	1.0000	10.000	1.0000
19		1,2,3,7,8-PCDF	0.05		20.9	1.0450	20.900	1.0450	nd	20.7	1.0350	10.350	0.5175	nd	15	0.7500	7.500	0.3750
20		2,3,4,7,8-PCDF	0.5		23.6	11.8000	23.600	11.8000	nd	20.3	10.1500	10.150	5.0750	nd	14.8	7.4000	7.400	3.7000
21		1,2,3,4,7,8-HxCDF	0.1		20.4	2.0400	20.400	2.0400	nd	6.45	0.6450	3.225	0.3225	nd	8.8	0.8800	4.400	0.4400
22		1,2,3,6,7,8-HxCDF	0.1		17.7	1.7700	17.700	1.7700	nd	5.9	0.5900	2.950	0.2950	nd	8.04	0.8040	4.020	0.4020
23		2,3,4,6,7,8-HxCDF	0.1		11.3	1.1300	11.300	1.1300	nd	6.27	0.6270	3.135	0.3135	nd	8.56	0.8560	4.280	0.4280
24		1,2,3,7,8,9-HxCDF	0.1	nd	10.9	1.0900	5.450	0.5450	nd	7.17	0.7170	3.585	0.3585	nd	9.79	0.9790	4.895	0.4895
25		1,2,3,4,6,7,8-HpCDF	0.01		20.9	0.2090	20.900	0.2090	nd	13.2	0.1320	6.600	0.0660	nd	13.5	0.1350	6.750	0.0675
26		1,2,3,4,7,8,9-HpCDF	0.01	nd	15	0.1500	7.500	0.0750	nd	15.7	0.1570	7.850	0.0785	nd	16.1	0.1610	8.050	0.0805
27		OCDF	0.001	nd	38.3	0.0383	19.150	0.0192	nd	46.6	0.0466	23.300	0.0233	nd	50.4	0.0504	25.200	0.0252
28																		
29		TCDD Total	0		67.3	0.0000	67.300	0.0000		68.4	0.0000	68.400	0.0000		33.9	0.0000	33.900	0.0000
30		PCDD Total	0		32.4	0.0000	32.400	0.0000		78.7	0.0000	78.700	0.0000		30.9	0.0000	30.900	0.0000
31		HxCDD Total	0		133	0.0000	133.000	0.0000		141.5	0.0000	141.500	0.0000		42.6	0.0000	42.600	0.0000
32		HpCDD Total	0		0	0.0000				0	0.0000				0	0.0000		
33		TCDF Total	0		593	0.0000	593.000	0.0000		137	0.0000	137.000	0.0000		259	0.0000	259.000	0.0000
34		PCDF Total	0		247	0.0000	247.000	0.0000		0	0.0000				0	0.0000		
35		HxCDF Total	0		136	0.0000	136.000	0.0000		0	0.0000				0	0.0000		
36		HpCDF Total	0		20.9	0.0000	20.900	0.0000		0	0.0000				0	0.0000		
37																		
38		Gas sample volume (dscf)				132.39	132.39	132.39			129.92	129.92	129.92			124.98	124.98	124.98
39		O2 (%)				4.8	4.8	4.8			5.8	5.8	5.8			6.4	6.4	6.4
40																		
41		PCDD/PCDF (ng in sample)				47.178	1274.700	32.586			37.964	494.050	18.982			40.383	418.350	20.691
42		PCDD/PCDF (ng/dscm @ 7% O2)		61.9		0.0109	0.294	0.0075	100		0.0095	0.124	0.0048	97.5		0.0109	0.113	0.0056
43																		
44		TEQ Cond Avg	0.0060															
45		Total Cond Avg	0.177															