

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase I ID No.	303
4	EPA ID No.	MO981127319
5	Facility Name	LONE STAR INDUSTRIES, INC.
6	Facility Location	
7	City	CAPE GIRARDEAU
8	State	MO
9	Unit ID Name/No.	KILN NO. 1
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Cement Kiln (CK)
13	Combustor Type	Dry, preheater, precalciner, inline raw mill (ILRM)
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	
16	Soot Blowing	
17	APCS Detailed Acronym	QC/FF main, FF bypass
18	APCS General Class	WQ, FF
19	APCS Characteristics	Main fabric filter made by Buell, A/C = 2, 32 compartments, 173,000 ft2 bag area
20	Hazardous Wastes	Liq, sludge
21	Haz Waste Description	
22	Supplemental Fuel	Coal
23		
24	Stack Characteristics	
25	Diameter (ft)	11.0
26	Height (ft)	210.0
27	Gas Velocity (ft/sec)	22.3
28	Gas Temperature (°F)	221.7
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	Condition Description	
2		
3	303C1	
4		
5	Report Name/Date	Certification of Compliance Stack Emission Test Program at Lonestar Industries, Inc., Cape Girardeau, Missouri, April and June 1992, BIF CoC Test Report, Revised January 1993, APCC Project 92007
6	Report Prepare	Air Pollution Characterization and Control
7	Testing Firm	Air Pollution Characterization and Control
8	Cond Descr	BASELINE, no haz waste
9	Testing Dates	April 13-14, 1992
10	Cond Dates	Apr-92
11		
12	303C2	
13		
14	Report Name/Date	Certification of Compliance Stack Emission Test Program at Lonestar Industries, Inc., Cape Girardeau, Missouri, April and June 1992, BIF CoC Test Report, Revised January 1993, APCC Project 92007
15	Report Prepare	Air Pollution Characterization and Control
16	Testing Firm	Air Pollution Characterization and Control
17	Cond Descr	CoC, LOW COMB TEMP
18	Testing Dates	June 25, 1992
19	Cond Dates	Jun-92
20		
21	303C3	
22		
23	Report Name/Date	Certification of Compliance Stack Emission Test Program at Lonestar Industries, Inc., Cape Girardeau, Missouri, April and June 1992, BIF CoC Test Report, Revised January 1993, APCC Project 92007
24	Report Prepare	Air Pollution Characterization and Control
25	Testing Firm	Air Pollution Characterization and Control
26	Cond Descr	CoC, HIGH COMB TEMP, IN-LINE RAW MILL OFF
27	Testing Dates	June 26, 1992
28	Cond Dates	Jun-92
29		
30	303C4	
31		
32	Report Name/Date	Report on Diagnostic Testing, Conducted at Lone Star Industries Stack, Cape Girardreau, CAE Project No. 6764, October 21, 1993
33	Report Prepare	Clean Air Engineering
34	Testing Firm	Clean Air Engineering
35	Cond Descr	COAL AND HWF COMBINATION, IN-LINE RAW MILL ON
36	Testing Dates	September 14, 1993
37	Cond Dates	Sep-93
38		
39	303C5	
40		
41	Report Name/Date	Report on Diagnostic Testing, Conducted at Lone Star Industries Stack, Cape Girardreau, CAE Project No. 6764, October 21, 1993
42	Report Prepare	Clean Air Engineering
43	Testing Firm	Clean Air Engineering
44	Cond Descr	COAL ONLY, IN-LINE RAW MILL ON
45	Testing Dates	September 15, 1993
46	Cond Dates	Sep-93
47		
48	303C6	
49		
50	Report Name/Date	Emission Measurements for the Burning of Tires at Lone Star Industries, Cape Girardeau, Missouri, APCC Project 92003, September 1992
51	Report Prepare	Air Pollution Characterization and Control, LTD
52	Testing Firm	Air Pollution Characterization and Control, LTD
53	Cond Descr	FUEL: COAL/TIRE COMBINATION
54	Testing Dates	April 15, June 28, 1992
55	Cond Dates	Apr-92
56		
57	303C7	
58		
59	Report Name/Date	Trial Burn Report, Lone Star Industries, Cape Girardeau, MO, prepared by Gossman Consulting, December 1995; Report on Trial Burn Testing, conducted at Lone Star Industries, Main Stack, Cape Girardeau, Missouri, CAE Project No. 7576, December 27, 1995

	B	C
60	Report Prepare	Gossman Consulting
61	Testing Firm	Clean Air Engineering
62	Cond Descr	Trial burn, HIGH COMB TEMP, IN-LINE RAW MILL OFF
63	Testing Dates	October 3-4, 1995
64	Cond Dates	Oct-95
65		
66	303C8	
67		
	Report Name/Date	Trial Burn Report, Lone Star Industries, Cape Girardeau, MO, prepared by Gossman Consulting, December 1995; Report on Trial Burn Testing, conducted at Lone Star Industries, Main Stack, Cape Girardeau, Missouri, CAE Project No. 7576, December 27, 1995
68		
69	Report Prepare	Gossman Consulting
70	Testing Firm	Clean Air Engineering
71	Cond Descr	Trial burn, LOW COMB TEMP
72	Testing Dates	October 5, 1995
73	Cond Dates	Oct-95
74		
75	303C9	
76		
	Report Name/Date	Trial Burn Report, Lone Star Industries, Cape Girardeau, MO, prepared by Gossman Consulting, December 1995; Report on Trial Burn Testing, conducted at Lone Star Industries, Main Stack, Cape Girardeau, Missouri, CAE Project No. 7576, December 27, 1995
77		
78	Report Prepare	Gossman Consulting
79	Testing Firm	Clean Air Engineering
80	Cond Descr	NORMAL OPERATING CONDITIONS
81	Testing Dates	October 6, 1995
82	Cond Dates	Oct-95

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Stack Gas Emissions 2																				
2																					
3																					
4	303C1					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
5																					
6	PM	E1	gr/dscf	y		0.02200		0.02500		0.02100											0.02267
7	CO (RA)	E1	ppmv	y		1110		986		997		1540		1370		1400					1031.0
8	HC (RA)	E1	ppmv	y								99		76		87					87.3
9	HCl	E1	ppmv	y		2.7		1.7		0.7											1.7
10	Cl2	E1	ppmv	y		0.2		0.1		0.2											0.2
11	Total Chlorine	E1	ppmv	y		3.1		1.9		1.2											2.0
12	Antimony	E2	ug/dscm	y								0.4		0.6		0.5					0.5
13	Arsenic	E2	ug/dscm	y								2.3		3.1		2.7					2.7
14	Barium	E2	ug/dscm	y								40.1		46.4		214.4					100.3
15	Beryllium	E2	ug/dscm	y								0.2		0.1		0.1					0.1
16	Cadmium	E2	ug/dscm	y								0.5		0.6		0.4					0.5
17	Chromium	E2	ug/dscm	y								21.0		21.3		49.3					30.6
18	Lead	E2	ug/dscm	y								16.6		17.9		15.2					16.6
19	Mercury	E2	ug/dscm	y								5.5		3.9		3.9					4.4
20	Silver	E2	ug/dscm	y								0.1		0.1		0.2					0.1
21	Thallium	E2	ug/dscm	y								1.5		1.0		1.0					1.2
22	SVM	E2	ug/dscm	y								17.1		18.5		15.6					17.1
23	LVM	E2	ug/dscm	y								23.5		24.5		52.2					33.4
24																					
25	Sampling Train	Halogens	E1																		
26	Stack Gas Flowrate		dscfm			260724		261101		257569											
27	O2		%			10.2		10.3		10.6											
28	Moisture		%			12.72		14.8		13.95											
29	Temperature		°F			240		238		239											
30																					
31	Sampling Train	Metals	E2																		
32	Stack Gas Flowrate		dscfm									260019		265017		266550					
33	O2		%									10.2		10.6		10.6					
34	Moisture		%									14.09		13.92		13.13					
35	Temperature		°F									238		237		235					
36																					
37	303C2					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
38																					
39	PM	E1	gr/dscf	y		0.0260		0.0240		0.0230											0.0243
40	HCl	E1	ppmv	y		7.2		8.2		13.2											9.5
41	Cl2	E1	ppmv	y		0.0		0.0		0.1											0.0
42	Total Chlorine	E1	ppmv	y		7.2		8.3		13.3											9.6
43	CO (RA)	E1	ppmv	y		2950		1610		1560											2040.0
44	HC (RA)	E1	ppmv	y		38		36		33											35.7
45																					
46	CO BP (RA)	E1	ppmv	y		116.7		70.0		87.0											91.2 bypass
47	HC BP (RA)	E1	ppmv	y		1.8		1.1		1.1											1.3 bypass
48																					
49	Sampling Train	Halogens	E1																		
50	Stack Gas Flowrate		dscfm			262015		269655		267690											
51	O2		%			10.6		11		10.8											
52	Moisture		%			14.79		14.63		14.62											
53	Temperature		°F			246		246		242											

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
54																					
55	303C3					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
56																					
57	CO (RA)	E1	ppmv	y		2700		2260		3140											
58	HC (RA)	E1	ppmv	y		57		55		67											
59																					
60	CO (RA) bypass		ppmv	y		15.1		10.0		29.7											
61	HC (RA) bypass		ppmv	y		1.1		1.0		1.3											
62																					
63	Arsenic	E1	ug/dscm	y		1.9		3.0		2.9											2.6
64	Beryllium	E1	ug/dscm	y		0.1		0.1		0.2											0.1
65	Cadmium	E1	ug/dscm	y		2.5		20.9		0.1											7.8
66	Chromium	E1	ug/dscm	y		16.7		0.1		0.1											5.6
67	Chromium (Hex)	E2	ug/dscm	y		0.5		0.5		0.5											0.5
68	Lead	E1	ug/dscm	y		19.4		16.4		38.2											24.7
69	Mercury	E1	ug/dscm	y		55.3		47.7		172.0											91.7
70	SVM	E1	ug/dscm	y		21.9		37.3		38.3											32.5
71	LVM	E1	ug/dscm	y		18.7		3.1		3.1											8.3
72																					
73	Sampling Train	Metals	E1																		
74	Stack Gas Flowrate		dscfm			234563		242293		236285											
75	O2		%			9.5		9.3		9.2											
76	Moisture		%			16.21		15.62		15.61											
77	Temperature		°F			310		310		310											
78																					
79	Sampling Train	Cr Hex	E2																		
80	Stack Gas Flowrate		dscfm			236100		239161		240041											
81	O2		%			9.5		9.3		9.2											
82	Moisture		%			15.72		15.69		15.6											
83	Temperature		°F			310		310		310											
84																					
85	303C4					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
86																					
87																					
88																					
89	Sampling Train	Particulate	E1																		
90	Stack Gas Flowrate		dscfm			255900		263600		265600											
91	O2		%			10		11.8		11.8											
92	Moisture		%			15.7		16.01		15.53											
93	Temperature		°F			250		245		250											
94																					
95	Sampling Train	Dioxin & Fur	E2																		
96	Stack Gas Flowrate		dscfm			267000		267300		256300											
97	O2		%			10		11.8		11.8											
98	Moisture		%			14.7		14.52		14.59											
99	Temperature		°F			253		247		252											
100																					
101	303C5					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
102																					
103	Sampling Train	Dioxin & Fur	E1																		
104	Stack Gas Flowrate		dscfm			270700		272300		276900											
105	O2		%			11		11.6		11.2											
106	Moisture		%			13.41		13.43		13.23											

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
107	Temperature		°F			236		228		234											
108																					
109	303C6					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
110																					
111	PM	E1	gr/dscf	y		0.0200		0.0110		0.0200		0.0170									0.0170
112	HCl	E1	ppmv	y		4.3		3.4		3.5		7.4									4.6
113	Cl2	E1	ppmv	y		0.5		0.5		0.3		0.9									0.6
114	Total Chlorine	E1	ppmv	y		5.4		4.3		4.1		9.2									5.8
115	Arsenic	E2	ug/dscm	y										2.4		3.3		2.2			2.6
116	Beryllium	E2	ug/dscm	y										0.1		0.1		0.1			0.1
117	Cadmium	E2	ug/dscm	y										1.3		2.9		1.1			1.8
118	Chromium	E2	ug/dscm	y										2.9		20.3		4.8			9.3
119	Lead	E2	ug/dscm	y										14.4		34.4		7.2			18.7
120	Mercury	E2	ug/dscm	y										47.6		21.3		87.5			52.1
121	Zinc	E2	ug/dscm	y										0.1		41.3		25.1			22.2
122	SVM	E2	ug/dscm	y										15.7		37.3		8.3			20.4
123	LVM	E2	ug/dscm	y										5.4		23.6		7.0			12.0
124																					
125	Sampling Train	Halogens	E1																		
126	Stack Gas Flowrate		dscfm			259566		262371		262801		271018									
127	O2		%			10.9		10.5		10.7		10.6									
128	Moisture		%			13.3		13.77		13.37		11.79									
129	Temperature		°F			239		235		236		250									
130																					
131	Sampling Train	Metals	E2																		
132	Stack Gas Flowrate		dscfm											261805		260069		268624			
133	O2		%											10.5		10.5		10.5			
134	Moisture		%											13.23		13.78		13.46			
135	Temperature		°F											253		259		256			
136																					
137	303C7					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
138																					
139	PM	E1	gr/dscf	y		0.0258		0.0229		0.0277											0.0255
140	CO (RA)	E1	ppmv	y		4246		5003		4355		7878		6032		5517					
141	HC (RA)	E1	ppmv	y		56.5		71.2		45.9						72					
142	HCl	E1	ppmv	y		94.6		70.1		80.0											81.56
143	Cl2	E1	ppmv	y		0.4		0.4		0.8											0.51
144	Total Chlorine	E1	ppmv	y		95.4		70.8		81.5											82.6
145	Antimony	E2	ug/dscm	y		0.627		0.481		0.687											0.60
146	Arsenic	E2	ug/dscm	y		0.732		0.388		0.846											0.66
147	Barium	E2	ug/dscm	y		3.68		2.69		2.58											2.98
148	Beryllium	E2	ug/dscm	y		nd	0.0814	nd		0.0828	nd	0.0939									0.09
149	Cadmium	E2	ug/dscm	y		2.25		0.856		0.706											1.27
150	Chromium	E2	ug/dscm	y		2.09		1.18		1.27											1.51
151	Chromium (Hex)	E3	ug/dscm	y		nd	0.04	nd		0.04	nd	0.05									0.04
152	Lead	E2	ug/dscm	y		8.02		3.38		2.85											4.75
153	Mercury	E2	ug/dscm	y		300		293		303											298.67
154	Nickel	E2	ug/dscm	y		1.63		1.08		2.02											1.58
155	Selenium	E2	ug/dscm	y		5.11		5.89		8.72											6.57
156	Silver	E2	ug/dscm	y		nd	0.163	nd		0.166	nd	0.188									0.17
157	Thallium	E2	ug/dscm	y		9.92		8.86		10.7											9.83
158	SVM	E2	ug/dscm	y		10.27		4.236		3.556											6.02
159	LVM	E2	ug/dscm	y		2.90		1.65		2.21											2.25

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
160																					
161	Sampling Train	Particulate	E1																		
162	Stack Gas Flowrate		dscfm			216000		216100		217500											
163	O2		%			8.5		9.5		9.7											
164	Moisture		%			15.71		15.29		15.22											
165	Temperature		°F			347		349		350											
166																					
167	Sampling Train	Metals	E2																		
168	Stack Gas Flowrate		dscfm			215700		217400		221500											
169	O2		%			8.1		9.3		10.3											
170	Moisture		%																		
171	Temperature		°F																		
172																					
173	Sampling Train	Cr Hex	E3																		
174	Stack Gas Flowrate		dscfm			222700		223100		221200											
175	O2		%			7.5		9.9		10.2											
176	Moisture		%			13.8		15.17		15.06											
177	Temperature		°F			349		352		352											
178																					
179	Sampling Train	SVOC	E4																		
180	Stack Gas Flowrate		dscfm									211600		218500		227100					
181	O2		%									8.9		9		9.1					
182	Moisture		%									14.8		14.44		14.63					
183	Temperature		°F									340		350		351					
184																					
185	303C8					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
186																					
187	CO (RA)	E1	ppmv			3386		1895		5153											
188	HC (RA)	E1	ppmv			39		34.8		34.7											
189																					
190	Sampling Train	SVOC	E1																		
191	Stack Gas Flowrate		dscfm			265800		261500		277100											
192	O2		%			12.8		13.2		12.8											
193	Moisture		%			16.42		15.43		14.61											
194	Temperature		°F			226		229		224											
195																					
196	303C9					R1		R2		R3		R4		R5		R6		R7		Cond Avg	
197																					
198	CO (RA)	E1	ppmv			1889		3195		3373										2819.00	
199	HC (RA)	E1	ppmv			43.6		50.9		44.1										46.20	
200	Antimony	E1	ug/dscm		nd	0.277		0.384		0.683										0.45	
201	Arsenic	E1	ug/dscm			0.661		0.434		0.636										0.58	
202	Barium	E1	ug/dscm			0.35		0.642		0.433										0.48	
203	Beryllium	E1	ug/dscm		nd	0.0925	nd	0.0983	nd	0.0824										0.09	
204	Cadmium	E1	ug/dscm			0.146		0.067		0.155										0.12	
205	Chromium	E1	ug/dscm			0.468		0.642		0.49										0.53	
206	Lead	E1	ug/dscm			3.83		0.418	nd	0.165										1.47	
207	Mercury	E1	ug/dscm			69.7		40.4		19.9										43.33	
208	Nickel	E1	ug/dscm			0.145		0.0625		0.269										0.16	
209	Selenium	E1	ug/dscm			1.9		3.06		4.24										3.07	
210	Silver	E1	ug/dscm		nd	0.185		2.78	nd	0.165										1.04	
211	Thallium	E1	ug/dscm			0.758		0.875		0.551										0.73	
212	SVM	E1	ug/dscm			3.98		0.49		0.32										1.59	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
213	LVM	E1	ug/dscm			1.22		1.17		1.21											1.20
214																					
215	Sampling Train	Metals	E1																		
216	Stack Gas Flowrate		dscfm			279000		281800		280900											
217	O2		%			11.4		12.2		11											
218	Moisture		%																		
219	Temperature		°F																		
220																					
221	Sampling Train	SVOC	E2																		
222	Stack Gas Flowrate		dscfm			279600		274700		274300											
223	O2		%			12		12.4		11.5											
224	Moisture		%			14.24		14.39		14.11											
225	Temperature		°F			224		221		220											

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Feedstreams 2																					
2																						
3																						
4	303C1		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2			
5																						
6	Feedstream Number		F1		F1		F1		F1		F1		F1		F1		F1		F2		F2	
7	Feed Class		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material	
8	Feed Class 2																		RM		RM	
9	Feedstream Description		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Raw material		Raw material	
10	Feed Rate	lb/hr	17000		16600		16200		17000		16600		16200		16600		16600					
11	Heating Value	Btu/lb															12000					
12	Thermal Feedrate	MMBtu/hr															199.2					
13	Chlorine	lb/hr	18.48		18.48		18.48												177.59		176.75	
14	Antimony	lb/hr						nd	0.00471	nd		0.00543	nd	0.00543								
15	Arsenic	lb/hr							0.0352			0.0169		0.0444								
16	Barium	lb/hr							0.396			0.254		0.371								
17	Beryllium	lb/hr							0.01			0.00533		0.0132								
18	Cadmium	lb/hr							0.0328			0.0269		0.0303								
19	Chromium	lb/hr							0.164			0.161		0.149								
20	Lead	lb/hr							0.154			0.0754		0.134								
21	Mercury	lb/hr							0.00284			0.00211		0.00193								
22	Silver	lb/hr							0.00179			0.00218		0.0013								
23	Thallium	lb/hr						nd	0.00189	nd		0.00218	nd	0.00217								
24																						
25	Stack Gas Flowrate	dscfm	260724		261101		257569		260019		265017		266550						260724		261101	
26	Oxygen	%	10.2		10.3		10.6		10.2		10.6		10.6						10.2		10.3	
27																						
28	Chlorine	ug/dscm	24567		24760		25824										25050		236080		236817	
29	Antimony	ug/dscm						100	6	100		7	100		7	100		7				
30	Arsenic	ug/dscm							47			23		60		43						
31	Barium	ug/dscm							528			345		501		458						
32	Beryllium	ug/dscm							13			7		18		13						
33	Cadmium	ug/dscm							44			37		41		40						
34	Chromium	ug/dscm							219			219		201		213						
35	Lead	ug/dscm							205			102		181		163						
36	Mercury	ug/dscm							4			3		3		3						
37	Silver	ug/dscm							2			3		2		2						
38	Thallium	ug/dscm						100	3	100		3	100		3	100		3				
39	SVM	ug/dscm							249			139		222		203						
40	LVM	ug/dscm							279			249		279		269						
41																						
42	303C2		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2			
43																						
44	Feedstream Number		F1		F1		F1		F1		F1		F1		F1		F1		F2		F2	
45	Feed Class		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material	
46	Feed Class 2																		RM		RM	
47	Feedstream Description		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Raw material		Raw material	
48	Feedrate	g/hr																	2.13E+08		2.19E+08	
49	Heating Value	Btu/lb																				
50	Thermal Feedrate	MMBtu/hr																				
51	Chlorine	lb/hr																	211		238	
52																						
53	Stack Gas Flowrate	dscfm																	262015		269655	

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	
1	Feedstreams 2																								
2																									
3																									
4	303C1	R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg	
5																									
6	Feedstream Numb	F2		F2		F2		F2		F2		F3		F3		F3		F3		F3		F3		F3	
7	Feed Class	Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW	
8	Feed Class 2	RM		RM		RM		RM		RM															
9	Feedstream Descr	Raw material		Raw material		Raw material		Raw material		Raw material		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste	
10	Feed Rate			517200		514800		514800																	
11	Heating Value																								
12	Thermal Feedrate																								
13	Chlorine	172.516																							
14	Antimony			0.237		0.211	nd	0.191																	
15	Arsenic			0.632		0.69		0.623																	
16	Barium			10		10		9.48																	
17	Beryllium			0.0414		0.0536		0.0649																	
18	Cadmium			0.314		0.326		0.245																	
19	Chromium			2.87		3.04		3.02																	
20	Lead			5.4306		15.6		7.57																	
21	Mercury			0.135		0.117		0.244																	
22	Silver		nd	0.0342	nd	0.0386		20.7																	
23	Thallium			0.391		0.618		1.14																	
24																									
25	Stack Gas Flowrat	257569		260019		265017		266550																	
26	Oxygen	10.6		10.2		10.6		10.6																	
27																									
28	Chlorine	241073											237990												
29	Antimony			316		287		258		287															
30	Arsenic			842		937		841		874															
31	Barium			13330		13581		12801		13237															
32	Beryllium			55		73		88		72															
33	Cadmium			419		443		331		397															
34	Chromium			3826		4129		4078		4011															
35	Lead			7239		21187		10222		12882															
36	Mercury			180		159		329		223															
37	Silver		100	46	100	52		27951		9350															
38	Thallium			521		839		1539		967															
39	SVM			7657		21629		10553		13280															
40	LVM			4723		5139		5007		4956															
41																									
42	303C2	R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg	
43																									
44	Feedstream Numb	F2		F2		F2		F2		F2		F3		F3		F3		F3		F3		F3		F3	
45	Feed Class	Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW	
46	Feed Class 2	RM		RM		RM		RM		RM															
47	Feedstream Descr	Raw material		Raw material		Raw material		Raw material		Raw material		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste	
48	Feedrate	2.19E+08											3.90E+05		4.53E+05		4.12E+05								
49	Heating Value																								
50	Thermal Feedrate											3.06		4.75		5.84									
51	Chlorine	246											1.03		2		2.18								
52																									
53	Stack Gas Flowrat	267690											262015		269655		267690								

	B	AU	AV	AV	AX	AY	AZ	BA	BB	B	BD	B	BF	BC	BH	BI	BJ	BK	BL	BM	BN	BC	BP	BQ	BR	BS	BT	BU	
1	Feedstreams 2																												
2																													
3																													
4	303C1		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		
5																													
6	Feedstream Numb		F4		F4		F4		F4		F4		F4		F4		F5		F5		F5		F5		F5		F5		
7	Feed Class		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		
8	Feed Class 2																												
9	Feedstream Descr		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Tires		Tires		Tires		Tires		Tires		Tires		
10	Feed Rate																												
11	Heating Value																												
12	Thermal Feedrate																												
13	Chlorine																												
14	Antimony																												
15	Arsenic																												
16	Barium																												
17	Beryllium																												
18	Cadmium																												
19	Chromium																												
20	Lead																												
21	Mercury																												
22	Silver																												
23	Thallium																												
24																													
25	Stack Gas Flowrat																												
26	Oxygen																												
27																													
28	Chlorine																												
29	Antimony																												
30	Arsenic																												
31	Barium																												
32	Beryllium																												
33	Cadmium																												
34	Chromium																												
35	Lead																												
36	Mercury																												
37	Silver																												
38	Thallium																												
39	SVM																												
40	LVM																												
41																													
42	303C2		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		
43																													
44	Feedstream Numb		F4		F4		F4		F4		F4		F4		F4		F5		F5		F5		F5		F5		F5		
45	Feed Class		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		
46	Feed Class 2																												
47	Feedstream Descr		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Tires		Tires		Tires		Tires		Tires		Tires		
48	Feedrate															1.36E+06		1.36E+06		1.36E+06									
49	Heating Value																												
50	Thermal Feedrate																42.7		45.1		42.1								
51	Chlorine																3.3		3		4.2								
52																													
53	Stack Gas Flowrat																262015		269655		267690								

	B	BV	BV	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
1	Feedstreams 2																										
2																											
3																											
4	303C1	Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5	
5																											
6	Feedstream Numb	F5		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6	
7	Feed Class	Solid HW		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal	
8	Feed Class 2																										
9	Feedstream Descr	Tires		Coal - precalci		Coal - precalk		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalciner		Coal		Coal		Coal		Coal	
10	Feed Rate																40000		40000		40000						
11	Heating Value																11000		11000		11000						
12	Thermal Feedrate																440		440		440						
13	Chlorine			21.78		21.42		21.24		21.6		0.00848		0.00943		0.00967											
14	Antimony																										
15	Arsenic																										
16	Barium																										
17	Beryllium																										
18	Cadmium																										
19	Chromium																										
20	Lead																										
21	Mercury																										
22	Silver																										
23	Thallium																										
24																											
25	Stack Gas Flowrat			260724		261101		257569		260019		265017		266550													
26	Oxygen			10.2		10.3		10.6		10.2		10.6		10.6													
27																											
28	Chlorine			28953		28699		29681																			
29	Antimony																										
30	Arsenic																										
31	Barium																										
32	Beryllium																										
33	Cadmium																										
34	Chromium																										
35	Lead																										
36	Mercury																										
37	Silver																										
38	Thallium																										
39	SVM																										
40	LVM																										
41																											
42	303C2	Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5	
43																											
44	Feedstream Numb	F5		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6	
45	Feed Class	Solid HW		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal	
46	Feed Class 2																										
47	Feedstream Descr	Tires		Coal - precalci		Coal - precalk		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalciner		Coal		Coal		Coal		Coal	
48	Feedrate																1.08E+07		1.10E+07		1.06E+07						
49	Heating Value																1.11E+04		1.09E+04		1.08E+04						
50	Thermal Feedrate																265		265		252						
51	Chlorine			26.048		21.744		18.624																			
52																											
53	Stack Gas Flowrat			262015		269655		267690																			

	B	CV	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DP	DQ	DR	DS
1	Feedstreams 2																						
2																							
3																							
4	303C1	R6	Cond Avg		R1	R2	R3	R4	R5	R6	Cond Avg	R1	R2	R3									
5																							
6	Feedstream Numb				F7	F7	F7	F7	F7	F7	F7	F8	F8	F8									
7	Feed Class				Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Total	Total	Total									
8	Feed Class 2	Coal	Coal		HW	HW	HW	HW	HW	HW	HW	Total	Total	Total									
9	Feedstream Descri				Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Total	Total	Total									
10	Feed Rate																						
11	Heating Value																						
12	Thermal Feedrate												639.2	639.2	639.2								
13	Chlorine																						
14	Antimony																						
15	Arsenic																						
16	Barium																						
17	Beryllium																						
18	Cadmium																						
19	Chromium																						
20	Lead																						
21	Mercury																						
22	Silver																						
23	Thallium																						
24																							
25	Stack Gas Flowrat																						
26	Oxygen																						
27																							
28	Chlorine												289600	290277	296578								
29	Antimony	20																					
30	Arsenic	186																					
31	Barium	2081																					
32	Beryllium	42																					
33	Cadmium	129																					
34	Chromium	473																					
35	Lead	222																					
36	Mercury	7																					
37	Silver	4																					
38	Thallium	8																					
39	SVM	351																					
40	LVM	701																					
41																							
42	303C2	R6	Cond Avg		R1	R2	R3	R4	R5	R6	Cond Avg	R1	R2	R3									
43																							
44	Feedstream Numb				F7	F7	F7	F7	F7	F7	F7	F8	F8	F8									
45	Feed Class				Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Total	Total	Total									
46	Feed Class 2	Coal	Coal									Total	Total	Total									
47	Feedstream Descri				Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Total	Total	Total									
48	Feedrate				9.28E+06	9.09E+06	9.11E+06																
49	Heating Value																						
50	Thermal Feedrate				233.1	227.8	241						544	543	541								
51	Chlorine				986	931	919																
52																							
53	Stack Gas Flowrat				262015	269655	267690																

	B	DT	DV	DX	DZ	EA	EB	ED	EE	EF	EH	EJ	EL	EN
1	Feedstreams 2													
2														
3														
4	303C1	R4	R5	R6	Cond Avg									
5														
6	Feedstream Numb	F8	F8	F8	F8									
7	Feed Class	Total	Total	Total	Total									
8	Feed Class 2	Total	Total	Total	Total									
9	Feedstream Descr	Total	Total	Total	Total									
10	Feed Rate													
11	Heating Value													
12	Thermal Feedrate	639.2												
13	Chlorine													
14	Antimony													
15	Arsenic													
16	Barium													
17	Beryllium													
18	Cadmium													
19	Chromium													
20	Lead													
21	Mercury													
22	Silver													
23	Thallium													
24														
25	Stack Gas Flowrat													
26	Oxygen													
27														
28	Chlorine	292152												
29	Antimony	333	307	278	306									
30	Arsenic	1000	1099	1027	1042									
31	Barium	15350	15420	14882	15217									
32	Beryllium	85	95	130	103									
33	Cadmium	552	564	460	525									
34	Chromium	4311	4590	4551	4484									
35	Lead	7803	21732	10444	13326									
36	Mercury	191	166	337	231									
37	Silver	50	58	27956	9355									
38	Thallium	528	847	1547	974									
39	SVM	8354	22296	10903	13851									
40	LVM	5395	5784	5707	5629									
41														
42	303C2	R4	R5	R6	Cond Avg	R1	R2	R3	R4	R5	R6	Cond Avg		
43														
44	Feedstream Numb	F8	F8	F8	F8									
45	Feed Class	Total	Total	Total	Total									
46	Feed Class 2	Total	Total	Total	Total	HW	HW	HW	HW	HW	HW	HW	HW	HW
47	Feedstream Descr	Total	Total	Total	Total									
48	Feedrate	11030000 10903000 10882000												
49	Heating Value													
50	Thermal Feedrate	542.4833333 279 278 289 282												
51	Chlorine													
52														
53	Stack Gas Flowrat													

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
54	Oxygen		%																10.6		11	
55																						
56	Chlorine		ug/dscm																289847		330381	
57																						
58	303C3				R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2	
59																						
60	Feedstream Number				F1		F1		F1		F1		F1		F1		F1		F2		F2	
61	Feed Class				Coal		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material	
62	Feed Class 2																		RM		RM	
63	Feedstream Description				Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Raw material		Raw material	
64	Feedrate		g/hr																2.28E+08		2.28E+08	
65	Heating Value		Btu/lb																			
66	Thermal Feedrate		MMBtu/hr																			
67	Chlorine		lb/hr																261		291	
68	Antimony		lb/hr																0.148		0.141	
69	Arsenic		lb/hr																0.384		0.719	
70	Barium		lb/hr																7.08		6.23	
71	Beryllium		lb/hr																0.26		0.306	
72	Cadmium		lb/hr																1.76		0.799	
73	Chromium		lb/hr																9.39		10.3	
74	Lead		lb/hr																4.46		7.34	
75	Mercury		lb/hr																0.208		0.256	
76	Silver		lb/hr																0.334		0.207	
77	Thallium		lb/hr																2.39		1.98	
78																						
79	Stack Gas Flowrate		dscfm																234563		242293	
80	Oxygen		%																9.5		9.3	
81																						
82	Chlorine		ug/dscm																362184		384249	
83	Antimony		ug/dscm																205		186	
84	Arsenic		ug/dscm																533		949	
85	Barium		ug/dscm																9825		8226	
86	Beryllium		ug/dscm																361		404	
87	Cadmium		ug/dscm																2442		1055	
88	Chromium		ug/dscm																13030		13601	
89	Lead		ug/dscm																6189		9692	
90	Mercury		ug/dscm																289		338	
91	Silver		ug/dscm																463		273	
92	Thallium		ug/dscm																3317		2614	
93	SVM		ug/dscm																8631		10747	
94	LVM		ug/dscm																13924		14954	
95																						
96	303C7				R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2	
97																						
98	Feedstream Number				F1		F1		F1		F1		F1		F1		F1		F2		F2	
99	Feed Class				Coal		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material	
100	Feed Class 2																		RM		RM	
101	Feedstream Description				Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Raw material		Raw material	
102	Feed Rate		lb/hr																4000			
103	Heating Value		Btu/lb		11700		11300		10900										11300			
104	Thermal Feedrate		MMBtu/hr																45.2			
105	Chlorine		lb/hr																3.9198			
106	Antimony		lb/hr																0.0002			

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT
54	Oxygen	10.8										10.6		11		10.8								
55																								
56	Chlorine	337248										1415		2776		2989								2393
57																								
58	303C3	R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg
59																								
60	Feedstream Numb	F2		F2		F2		F2		F2		F3		F3		F3		F3		F3		F3		F3
61	Feed Class	Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW
62	Feed Class 2	RM		RM		RM		RM		RM														
63	Feedstream Descr	Raw material		Raw material		Raw material		Raw material		Raw material		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste
64	Feedrate	2.28E+08										1.24E+05		1.24E+05		1.81E+05								
65	Heating Value																							
66	Thermal Feedrate											1.9		1.52		2.1								
67	Chlorine	261										0.464		0.382		1.11								
68	Antimony	0.176										0.000661		0.000485		0.00137								
69	Arsenic	0.379										0.00225		0.00183		0.00606								
70	Barium	5.73										0.0844		0.101		0.142								
71	Beryllium	0.269										0.0000441		0.0000661		0.00011								
72	Cadmium	0.669										0.000353		0.000573		0.000992								
73	Chromium	8.49										0.0557		0.0511		0.11								
74	Lead	5.78										0.0179		0.0149		0.0242								
75	Mercury	0.249										0.00265		0.00269		0.00459								
76	Silver	0.205										0.0017		0.000132		0.000198								
77	Thallium	2.23										0.0000661		0.000154		0.000309								
78																								
79	Stack Gas Flowrat	236285										234563		242293		236285								
80	Oxygen	9.2										9.5		9.3		9.2								
81																								
82	Chlorine	350404										644		504		1490								
83	Antimony	236										1		1		2								
84	Arsenic	509										3		2		8								
85	Barium	7693										117		133		191								
86	Beryllium	361										0		0		0								
87	Cadmium	898										0		1		1								
88	Chromium	11398										77		67		148								
89	Lead	7760										25		20		32								
90	Mercury	334										4		4		6								
91	Silver	275										2		0		0								
92	Thallium	2994										0		0		0								
93	SVM	8658										25		20		34								
94	LVM	12268										80		70		156								
95																								
96	303C7	R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg
97																								
98	Feedstream Numb	F2		F2		F2		F2		F2		F3		F3		F3		F3		F3		F3		F3
99	Feed Class	Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW
100	Feed Class 2	RM		RM		RM		RM		RM														
101	Feedstream Descr	Raw material		Raw material		Raw material		Raw material		Raw material		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste
102	Feed Rate											520000												
103	Heating Value																							
104	Thermal Feedrate																							
105	Chlorine											155.5523												
106	Antimony											0.6731												

	B	AU	AV	AV	AX	AY	AZ	BA	BB	B	BD	B	BF	BC	BH	BI	BJ	BK	BL	BM	BN	BC	BP	BQ	BR	BS	BT	BU
54	Oxygen																10.6		11		10.8							
55																												
56	Chlorine																4533		4164		5758							
57																												
58	303C3	R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		
59																												
60	Feedstream Numb	F4		F4		F4		F4		F4		F4		F4		F5		F5		F5		F5		F5		F5		F5
61	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW
62	Feed Class 2																											
63	Feedstream Descr	Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Tires		Tires		Tires		Tires		Tires		Tires		Tires
64	Feedrate																1.36E+06		1.36E+06		1.36E+06							
65	Heating Value																											
66	Thermal Feedrate																44.2		43.1		42.3							
67	Chlorine																3.6		5.7		8.1							
68	Antimony																0.0237		0.0196		0.00373							
69	Arsenic																0.00289		0.011		0.00322							
70	Barium																0.0396		0.0606		0.0193							
71	Beryllium																0.000154		0.000243		0.000287							
72	Cadmium			0.485		0.482											0.00547		0.0498		0.105							
73	Chromium	1.82		1.82		1.82											0.0145		0.171		0.3							
74	Lead			0.668		0.663											0.0324		0.0937		0.0775							
75	Mercury																0.000287		0.000287		0.000265							
76	Silver																0.00139		0.00205		0.00205							
77	Thallium																0.000309		0.000485		0.000529							
78																												
79	Stack Gas Flowrat	234563		242293		236285											234563		242293		236285							
80	Oxygen	9.5		9.3		9.2											9.5		9.3		9.2							
81																												
82	Chlorine	0		0		0											4996		7527		10875							
83	Antimony	0		0		0											33		26		5							
84	Arsenic	0		0		0											4		15		4							
85	Barium	0		0		0											55		80		26							
86	Beryllium	0		0		0											0		0		0							
87	Cadmium	0		640		647											8		66		141							
88	Chromium	2526		2403		2443											20		226		403							
89	Lead	0		882		890											45		124		104							
90	Mercury	0		0		0											0		0		0							
91	Silver	0		0		0											2		3		3							
92	Thallium	0		0		0											0		1		1							
93	SVM	0		1522		1537											53		189		245							
94	LVM	2526		2403		2443											24		241		407							
95																												
96	303C7	R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		
97																												
98	Feedstream Numb	F4		F4		F4		F4		F4		F4		F4		F5		F5		F5		F5		F5		F5		F5
99	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW
100	Feed Class 2	Spike		Spike		Spike		Spike		Spike		Spike		Spike														
101	Feedstream Descr	Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Tires		Tires		Tires		Tires		Tires		Tires		Tires
102	Feed Rate																											
103	Heating Value																											
104	Thermal Feedrate																											
105	Chlorine																											
106	Antimony																											

	B	BV	BV	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
54	Oxygen			10.6		11		10.8																			
55																											
56	Chlorine	4819		35782		30184		25532								30499		35782		30184		25532					
57																											
58	303C3	Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5	
59																											
60	Feedstream Numb	F5		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6	
61	Feed Class	Solid HW		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal	
62	Feed Class 2																										
63	Feedstream Descr	Tires		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci	
64	Feedrate																										
65	Heating Value																										
66	Thermal Feedrate																										
67	Chlorine			26.928		25.05		26.048																			
68	Antimony			0.00939		0.00758		0.00719																			
69	Arsenic			0.134		0.0991		0.0756																			
70	Barium			1.49		1.29		1.68																			
71	Beryllium			0.00811		0.0146		0.00602																			
72	Cadmium			0.0058		0.00439		0.00573																			
73	Chromium			0.407		0.394		0.483																			
74	Lead			0.154		0.14		0.0939																			
75	Mercury			0.00503		0.00196		0.0032																			
76	Silver			0.012		0.0137		0.0127																			
77	Thallium			0.0178		0.0168		0.0099																			
78																											
79	Stack Gas Flowrat			234563		242293		236285																			
80	Oxygen			9.5		9.3		9.2																			
81																											
82	Chlorine			37367		33077		34971																			
83	Antimony			13		10		10																			
84	Arsenic			186		131		101																			
85	Barium			2068		1703		2255																			
86	Beryllium			11		19		8																			
87	Cadmium			8		6		8																			
88	Chromium			565		520		648																			
89	Lead			214		185		126																			
90	Mercury			7		3		4																			
91	Silver			17		18		17																			
92	Thallium			25		22		13																			
93	SVM			222		191		134																			
94	LVM			762		670		758																			
95																											
96	303C7	Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5	
97																											
98	Feedstream Numb	F5		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6		F6	
99	Feed Class	Solid HW		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal		Coal	
100	Feed Class 2																										
101	Feedstream Descr	Tires		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci		Coal - precalci	
102	Feed Rate			31200		31200		31200																			
103	Heating Value			11900		11900		11100																			
104	Thermal Feedrate			371.28		371.28		346.32																			
105	Chlorine																										
106	Antimony																										

	B	CV	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DP	DQ	DR	DS
54	Oxygen				10.6		11		10.8														
55																							
56	Chlorine		30499		1354452		1292372		1259881								1302235	1686029	1659877			1631407	
57																							
58	303C3	R6	Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3
59																							
60	Feedstream Numb				F7		F7		F7		F7		F7		F7		F7		F8		F8		F8
61	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Total		Total		Total
62	Feed Class 2	Coal	Coal																Total		Total		Total
63	Feedstream Descri				Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Total		Total		Total
64	Feedrate				9.27E+06		9.43E+06		9.43E+06														
65	Heating Value				1.13E+04		1.11E+04		1.14E+04														
66	Thermal Feedrate				230		230		237										550		553		547
67	Chlorine				929		935		1050														
68	Antimony				0.389		0.242		0.225														
69	Arsenic				4.09		3.85		3.49														
70	Barium				18.6		17.2		10.2														
71	Beryllium				0.0491		0.0503		0.0539														
72	Cadmium				5.91		5.82		5.76														
73	Chromium				12.5		12.6		12.2														
74	Lead				12.2		12.7		12.9														
75	Mercury				0.0376		0.0295		0.0387														
76	Silver				0.075		0.0819		0.0651														
77	Thallium				0.00223		0.00256		0.00322														
78																							
79	Stack Gas Flowrat				234563		242293		236285														
80	Oxygen				9.5		9.3		9.2														
81																							
82	Chlorine				1289153		1234614		1409670									1694344	1659970			1807409	
83	Antimony				540		320		302									792	542			555	
84	Arsenic				5676		5084		4685									6402	6181			5308	
85	Barium				25811		22712		13694									37875	32855			23859	
86	Beryllium				68		66		72									440	490			442	
87	Cadmium				8201		7685		7733									10660	9453			9428	
88	Chromium				17346		16638		16379									33564	33455			31420	
89	Lead				16930		16770		17319									23402	27672			26231	
90	Mercury				52		39		52									352	384			397	
91	Silver				104		108		87									589	402			383	
92	Thallium				3		3		4									3345	2641			3013	
93	SVM				25131		24455		25052									34062	37125			35660	
94	LVM				23090		21788		21137									40406	40126			37170	
95																							
96	303C7	R6	Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3
97																							
98	Feedstream Numb				F7		F7		F7		F7		F7		F7		F7		F8		F8		F8
99	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Total		Total		Total
100	Feed Class 2	Coal	Coal		HW		HW		HW		HW		HW		HW		HW		Total		Total		Total
101	Feedstream Descri				Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Total		Total		Total
102	Feed Rate		35200																			20400	
103	Heating Value				10200		10400		10500													10367	
104	Thermal Feedrate		408.16																			211.48	
105	Chlorine																					691.1309	
106	Antimony																					0.6826	

	B	DT	DI	DV	DV	DX	D	DZ	EA	EB	EC	ED	EE	EF	E	EH	E	EJ	EL	EN	EN
54	Oxygen																				
55																					
56	Chlorine							1659104		1360400		1299312		1268627							1309447
57																					
58	303C3	R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6	Cond Avg
59																					
60	Feedstream Numb	F8		F8		F8		F8													
61	Feed Class	Total		Total		Total		Total													
62	Feed Class 2	Total		Total		Total		Total		HW		HW		HW		HW		HW		HW	HW
63	Feedstream Descr	Total		Total		Total		Total													
64	Feedrate									10754000		10914000		10971000							
65	Heating Value																				
66	Thermal Feedrate							550.04		276		275		281							277
67	Chlorine																				
68	Antimony																				
69	Arsenic																				
70	Barium																				
71	Beryllium																				
72	Cadmium																				
73	Chromium																				
74	Lead																				
75	Mercury																				
76	Silver																				
77	Thallium																				
78																					
79	Stack Gas Flowrat																				
80	Oxygen																				
81																					
82	Chlorine							1720574		1294793		1242645		1422034							1319824
83	Antimony							630		574		346		309							410
84	Arsenic							5964		5683		5101		4698							5160
85	Barium							31530		25983		22925		13910							20939
86	Beryllium							458		68		67		73							69
87	Cadmium							9847		8209		7751		7875							7945
88	Chromium							32813		17443		16931		16929							17101
89	Lead							25769		16999		16913		17455							17123
90	Mercury							377		56		43		58							53
91	Silver							458		108		111		90							103
92	Thallium							2999		4		4		5							4
93	SVM							35615		25209		24665		25331							25068
94	LVM							39234		23195		22098		21700							22331
95																					
96	303C7	R4		R5		R6		Cond Avg													
97																					
98	Feedstream Numb	F8		F8		F8		F8													
99	Feed Class	Total		Total		Total		Total													
100	Feed Class 2	Total		Total		Total		Total													
101	Feedstream Descr	Total		Total		Total		Total													
102	Feed Rate																				
103	Heating Value																				
104	Thermal Feedrate							620													
105	Chlorine																				
106	Antimony																				

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
107	Arsenic		lb/hr														0.0431					
108	Barium		lb/hr														0.9412					
109	Beryllium		lb/hr														0.012					
110	Cadmium		lb/hr														0.0034					
111	Chromium		lb/hr														0.1049					
112	Lead		lb/hr														0.0773					
113	Mercury		lb/hr														0.0008					
114	Nickel		lb/hr														0.0714					
115	Selenium		lb/hr														0.022					
116	Silver		lb/hr														0.0006					
117	Thallium		lb/hr														0.0035					
118																						
119	Stack Gas Flowrate		dscfm														218200					
120	Oxygen		%														9.2					
121																						
122	Chlorine		ug/dscm														5715					
123	Antimony		ug/dscm														0					
124	Arsenic		ug/dscm														63					
125	Barium		ug/dscm														1372					
126	Beryllium		ug/dscm														17					
127	Cadmium		ug/dscm														5					
128	Chromium		ug/dscm														153					
129	Lead		ug/dscm														113					
130	Mercury		ug/dscm														1					
131	Nickel		ug/dscm														104					
132	Selenium		ug/dscm														32					
133	Silver		ug/dscm														1					
134	Thallium		ug/dscm														5					
135	SVM		ug/dscm														118					
136	LVM		ug/dscm														233					
137																						
138	303C9				R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2	
139																						
140	Feedstream Number				F1		F1		F1		F1		F1		F1		F1		F2		F2	
141	Feed Class				Coal		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material	
142	Feed Class 2																		RM		RM	
143	Feedstream Description				Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Coal - kiln		Raw material		Raw material	
144	Feed Rate		lb/hr														5200					
145	Heating Value		Btu/lb		11900		12000		12100								12000					
146	Thermal Feedrate		MMBtu/hr														62.4					
147	Antimony		lb/hr														0.0003					
148	Arsenic		lb/hr														0.0515					
149	Barium		lb/hr														0.9019					
150	Beryllium		lb/hr														0.019					
151	Cadmium		lb/hr														0.0054					
152	Chromium		lb/hr														0.1365					
153	Lead		lb/hr														0.1561					
154	Mercury		lb/hr														0.0007					
155	Nickel		lb/hr														0.1252					
156	Selenium		lb/hr														0.0331					
157	Silver		lb/hr														0.0008					
158	Thallium		lb/hr														0.0033					
159																						

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	
107	Arsenic									1.7354															
108	Barium									27.9521															
109	Beryllium									0.1963															
110	Cadmium									0.3923															
111	Chromium									11.6613															
112	Lead									3.8378															
113	Mercury									0.8374															
114	Nickel									9.3246															
115	Selenium									0.0619															
116	Silver									0.0807															
117	Thallium									10.0148															
118																									
119	Stack Gas Flowrat									218200															
120	Oxygen									9.2															
121																									
122	Chlorine									226785															
123	Antimony									981															
124	Arsenic									2530															
125	Barium									40752															
126	Beryllium									286															
127	Cadmium									572															
128	Chromium									17001															
129	Lead									5595															
130	Mercury									1221															
131	Nickel									13595															
132	Selenium									90															
133	Silver									118															
134	Thallium									14601															
135	SVM									6167															
136	LVM									19818															
137																									
138	303C9	R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg	
139																									
140	Feedstream Numb	F2		F2		F2		F2		F2		F3		F3		F3		F3		F3		F3		F3	
141	Feed Class	Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW	
142	Feed Class 2	RM		RM		RM		RM		RM															
143	Feedstream Descr	Raw material		Raw material		Raw material		Raw material		Raw material		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste	
144	Feed Rate									482000															
145	Heating Value																								
146	Thermal Feedrate																								
147	Antimony									0.2405															
148	Arsenic									1.4907															
149	Barium									22.1793															
150	Beryllium									0.15															
151	Cadmium									0.8765															
152	Chromium									12.1056															
153	Lead									4.6276															
154	Mercury									0.7628															
155	Nickel									8.0892															
156	Selenium									0.0858															
157	Silver									0.0748															
158	Thallium									13.9905															
159																									

	B	AU	AV	AV	AX	AY	AZ	BA	BB	B	BD	B	BF	BC	BH	BI	BJ	BK	BL	BM	BN	BC	BP	BQ	BR	BS	BT	BU
107	Arsenic														4.1602													
108	Barium																											
109	Beryllium														0.063													
110	Cadmium														5.0124													
111	Chromium														7.9035													
112	Lead																											
113	Mercury																											
114	Nickel																											
115	Selenium																											
116	Silver																											
117	Thallium																											
118																												
119	Stack Gas Flowrat														218200													
120	Oxygen														9.2													
121																												
122	Chlorine														0													
123	Antimony														0													
124	Arsenic														6065													
125	Barium														0													
126	Beryllium														92													
127	Cadmium														7308													
128	Chromium														11523													
129	Lead														0													
130	Mercury														0													
131	Nickel														0													
132	Selenium														0													
133	Silver														0													
134	Thallium														0													
135	SVM														7308													
136	LVM														17680													
137																												
138	303C9		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6	
139																												
140	Feedstream Numb		F4		F4		F4		F4		F4		F4		F4		F5		F5		F5		F5		F5		F5	
141	Feed Class		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW	
142	Feed Class 2		Spike		Spike		Spike		Spike		Spike		Spike		Spike													
143	Feedstream Descr		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Metal spike		Tires		Tires		Tires		Tires		Tires		Tires	
144	Feed Rate																											
145	Heating Value																											
146	Thermal Feedrate																											
147	Antimony																											
148	Arsenic																											
149	Barium																											
150	Beryllium																											
151	Cadmium																											
152	Chromium																											
153	Lead																											
154	Mercury																											
155	Nickel																											
156	Selenium																											
157	Silver																											
158	Thallium																											
159																												

	B	BV	BV	BX	BY	BZ	C	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	
107	Arsenic															0.1964												
108	Barium															5.7249												
109	Beryllium															0.0929												
110	Cadmium															0.0197												
111	Chromium															0.7251												
112	Lead															0.541												
113	Mercury															0.0052												
114	Nickel															0.5036												
115	Selenium															0.1578												
116	Silver															0.0049												
117	Thallium															0.033												
118																												
119	Stack Gas Flowrat															218200												
120	Oxygen															9.2												
121																												
122	Chlorine															306479												
123	Antimony															6												
124	Arsenic															286												
125	Barium															8347												
126	Beryllium															135												
127	Cadmium															29												
128	Chromium															1057												
129	Lead															789												
130	Mercury															8												
131	Nickel															734												
132	Selenium															230												
133	Silver															7												
134	Thallium															48												
135	SVM															817												
136	LVM															1479												
137																												
138	303C9	Cond Avg		R1		R2		R3		R4		R5		R6	Cond Avg	R1		R2		R3		R4		R5				
139																												
140	Feedstream Numb	F5		F6		F6		F6		F6		F6		F6	F6													
141	Feed Class	Solid HW		Coal		Coal		Coal		Coal		Coal		Coal	Coal													
142	Feed Class 2																	Coal		Coal		Coal		Coal		Coal		Coal
143	Feedstream Descr	Tires		Coal - precalci		Coal - precalk		Coal - precalc		Coal - precalc		Coal - precalc		Coal - precalc	Coal - precalc	Coal - precalciner												
144	Feed Rate															25600												
145	Heating Value			11900		12000		12100								12000												
146	Thermal Feedrate															307.2												
147	Antimony															0.0036												
148	Arsenic															0.2532												
149	Barium															5.5876												
150	Beryllium															0.1008												
151	Cadmium															0.0301												
152	Chromium															0.665												
153	Lead															0.6937												
154	Mercury															0.0037												
155	Nickel															0.6253												
156	Selenium															0.1632												
157	Silver															0.004												
158	Thallium															0.0329												
159																												

	B	CV	C	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DI	DP	DQ	DR	DS
107	Arsenic																	0.0441							
108	Barium																	10.2048							
109	Beryllium																	0.0051							
110	Cadmium																	0.3939							
111	Chromium																	7.8786							
112	Lead																	18.4231							
113	Mercury																	0.0189							
114	Nickel																	0.7743							
115	Selenium																	0.0244							
116	Silver																	0.0464							
117	Thallium																	0.0401							
118																									
119	Stack Gas Flowrat				218200													218200							
120	Oxygen				9.2													9.2							
121																									
122	Chlorine				312194													1007624							
123	Antimony				6													995							
124	Arsenic				349													64							
125	Barium				9719													14878							
126	Beryllium				153													7							
127	Cadmium				34													574							
128	Chromium				1210													11486							
129	Lead				901													26860							
130	Mercury				9													28							
131	Nickel				838													1129							
132	Selenium				262													36							
133	Silver				8													68							
134	Thallium				53													58							
135	SVM				935													27434							
136	LVM				1712													11558							
137																									
138	303C9	R6		Cond Avg		R1		R2		R3		R4		R5		R6	Cond Avg		R1		R2		R3		
139																									
140	Feedstream Numb					F7		F7		F7		F7		F7		F7	F7		F8		F8		F8		
141	Feed Class					Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW	Liq HW		Total		Total		Total		
142	Feed Class 2	Coal		Coal		HW		HW		HW		HW		HW		HW	HW		Total		Total		Total		
143	Feedstream Descri					Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste	Liquid waste		Total		Total		Total		
144	Feed Rate				30800													17000							
145	Heating Value					11300		11300		11300								11300							
146	Thermal Feedrate				369.6													192.1							
147	Antimony																	0.3088							
148	Arsenic																	0.0255							
149	Barium																	7.9834							
150	Beryllium																	0.0042							
151	Cadmium																	0.1862							
152	Chromium																	3.9038							
153	Lead																	8.4086							
154	Mercury																	0.0061							
155	Nickel																	0.4996							
156	Selenium																	0.011							
157	Silver																	0.0218							
158	Thallium																	0.0386							
159																									

	B	DT	DV	DV	DX	DZ	EA	EB	ED	EE	EF	EH	EJ	EL	EN
107	Arsenic														
108	Barium														
109	Beryllium														
110	Cadmium														
111	Chromium														
112	Lead														
113	Mercury														
114	Nickel														
115	Selenium														
116	Silver														
117	Thallium														
118															
119	Stack Gas Flowrat														
120	Oxygen														
121															
122	Chlorine					1546603									
123	Antimony					1983									
124	Arsenic					9009									
125	Barium					65349									
126	Beryllium					538									
127	Cadmium					8488									
128	Chromium					41221									
129	Lead					33356									
130	Mercury					1257									
131	Nickel					15562									
132	Selenium					388									
133	Silver					193									
134	Thallium					14713									
135	SVM					41844									
136	LVM					50768									
137															
138	303C9	R4	R5	R6	Cond Avg										
139															
140	Feedstream Numb	F8	F8	F8	F8										
141	Feed Class	Total	Total	Total	Total										
142	Feed Class 2	Total	Total	Total	Total										
143	Feedstream Descr	Total	Total	Total	Total										
144	Feed Rate														
145	Heating Value														
146	Thermal Feedrate					562									
147	Antimony														
148	Arsenic														
149	Barium														
150	Beryllium														
151	Cadmium														
152	Chromium														
153	Lead														
154	Mercury														
155	Nickel														
156	Selenium														
157	Silver														
158	Thallium														
159															

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
160	Stack Gas Flowrate		dscfm														280566.7					
161	Oxygen		%														11.5					
162																						
163	Antimony		ug/dscm														0.4					
164	Arsenic		ug/dscm														72.6					
165	Barium		ug/dscm														1271.1					
166	Beryllium		ug/dscm														26.8					
167	Cadmium		ug/dscm														7.6					
168	Chromium		ug/dscm														192.4					
169	Lead		ug/dscm														220.0					
170	Mercury		ug/dscm														1.0					
171	Nickel		ug/dscm														176.4					
172	Selenium		ug/dscm														46.6					
173	Silver		ug/dscm														1.1					
174	Thallium		ug/dscm														4.7					
175	SVM		ug/dscm														227.6					
176	LVM		ug/dscm														291.7					

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT
160	Stack Gas Flowrat									280566.7														
161	Oxygen									11.5														
162																								
163	Antimony									338.9														
164	Arsenic									2100.9														
165	Barium									31258.0														
166	Beryllium									211.4														
167	Cadmium									1235.3														
168	Chromium									17060.8														
169	Lead									6521.8														
170	Mercury									1075.0														
171	Nickel									11400.4														
172	Selenium									120.9														
173	Silver									105.4														
174	Thallium									19717.2														
175	SVM									7757.1														
176	LVM									19373.1														

	B	AU	AV	AV	AX	AY	AZ	BA	BB	B	BD	B	BF	BC	BH	BI	BJ	BK	BL	BM	BN	BC	BP	BQ	BR	BS	BT	BU
160	Stack Gas Flowrat														280567													
161	Oxygen														11.5													
162																												
163	Antimony														0.0													
164	Arsenic														0.0													
165	Barium														0.0													
166	Beryllium														0.0													
167	Cadmium														0.0													
168	Chromium														0.0													
169	Lead														0.0													
170	Mercury														0.0													
171	Nickel														0.0													
172	Selenium														0.0													
173	Silver														0.0													
174	Thallium														0.0													
175	SVM														0.0													
176	LVM														0.0													

	B	BV	BV	BX	BY	BZ	C	CB	C	CD	C	CF	CG	CH	C	CJ	C	CL	C	CN	C	CP	C	CR	C	CT	C	
160	Stack Gas Flowrat															280566.7												
161	Oxygen															11.5												
162																												
163	Antimony															5.1												
164	Arsenic															356.8												
165	Barium															7874.8												
166	Beryllium															142.1												
167	Cadmium															42.4												
168	Chromium															937.2												
169	Lead															977.7												
170	Mercury															5.2												
171	Nickel															881.3												
172	Selenium															230.0												
173	Silver															5.6												
174	Thallium															46.4												
175	SVM															1020.1												
176	LVM															1436.1												

	B	CV	C	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
160	Stack Gas Flowrat																	280566.667							
161	Oxygen																	11.5							
162																									
163	Antimony			5.5														435.2							
164	Arsenic			429.4														35.9							
165	Barium			9145.9														11251.3							
166	Beryllium			168.8														5.9							
167	Cadmium			50.0														262.4							
168	Chromium			1129.6														5501.7							
169	Lead			1197.6														11850.5							
170	Mercury			6.2														8.6							
171	Nickel			1057.7														704.1							
172	Selenium			276.7														15.5							
173	Silver			6.8														30.7							
174	Thallium			51.0														54.4							
175	SVM			1247.7														12112.9							
176	LVM			1727.8														5543.6							

	B	DT	DI	DV	DV	DX	DI	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EN	EN
160	Stack Gas Flowrat																					
161	Oxygen																					
162																						
163	Antimony							780														
164	Arsenic							2566														
165	Barium							51655														
166	Beryllium							386														
167	Cadmium							1548														
168	Chromium							23692														
169	Lead							19570														
170	Mercury							1090														
171	Nickel							13162														
172	Selenium							413														
173	Silver							143														
174	Thallium							19823														
175	SVM							21118														
176	LVM							26645														

	C	D	E	F	G	H	I	J	K
1	Process Information 2								
2									
3	303C1								
4									
5	Combustion Temperature	F	1678	1683	1693	1695	1684	1694	
6	FF Temperature	F	204	210	208	200	200	198	
7	FF Pressure Drop	in H2O	12.2	12.1	11.6	11.5	11.8	11.4	
8									
9	303C2								
10									
11	Combustion Temperature	F	1644	1651	1662				
12	FF Temperature	F	225	224	220				
13	FF Pressure Drop	in H2O	11.6	11.4	11.5				
14									
15	303C3								
16									
17	Combustion Temperature	F	1673	1665	1669				
18	FF Temperature	F	292	306	309				
19	FF Pressure Drop	in H2O	10.5	10.3	10.3				
20									
21	303C6								
22									
23	Combustion Temperature	F	1653	1662	1668	1648	1648	1644	1645
24	FF Temperature	F	225	223	225		225	228	226
25	FF Pressure Drop	in H2O	11.1	11.5	11.5		11.6	11.7	11
26									
27	303C7								
28									
29	FF Temperature	F	354	354	354	364	364	364	
30	FF Temperature	F	440	440	440	440	440	440	
31									
32	303C8								
33									
34	FF Temperature	F	187	187	187				
35	FF Temperature	F	430	430	430				
36									
37	303C9								
38									
39	FF Temperature	F	181	181	181				
40	FF Temperature	F	420	420	420				

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	303C4	I-TEF			R1				R2				R3	
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
3	ng/dscm			Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
4														
5	4D 2378	1	1	0.0024	0.0012	0.0012	1	0.0033	0.0016	0.0016	1	0.0079	0.0040	0.0040
6	4D Other	0		0.0308	0.0308	0.0000		0.0441	0.0441	0.0000		0.0600	0.0600	0.0000
7	4D Total	0		0.0332	0.0332	0.0000		0.0473	0.0473	0.0000	1	0.0679	0.0340	0.0000
8	5D 12378	0.5	1	0.0030	0.0015	0.0008	1	0.0036	0.0018	0.0009	1	0.0113	0.0057	0.0028
9	5D Other	0		0.0181	0.0181	0.0000		0.0801	0.0801	0.0000		0.1246	0.1246	0.0000
10	5D Total	0		0.0211	0.0211	0.0000		0.0838	0.0838	0.0000		0.1359	0.1359	0.0000
11	6D 123478	0.1	1	0.0091	0.0045	0.0005	1	0.0109	0.0055	0.0005	1	0.0226	0.0113	0.0011
12	6D 123678	0.1	1	0.0060	0.0030	0.0003	1	0.0073	0.0036	0.0004	1	0.0226	0.0113	0.0011
13	6D 123789	0.1	1	0.0060	0.0030	0.0003	1	0.0109	0.0055	0.0005	1	0.0226	0.0113	0.0011
14	6D Other	0		0.2265	0.2265	0.0000		0.1784	0.1784	0.0000		0.3284	0.3284	0.0000
15	6D Total	0		0.2476	0.2476	0.0000		0.2076	0.2076	0.0000		0.3963	0.3963	0.0000
16	7D 1234678	0.01		0.0211	0.0211	0.0002		0.0218	0.0218	0.0002	1	0.0566	0.0283	0.0003
17	7D Other	0		0.0000				0.0364	0.0364	0.0000		0.0566	0.0566	0.0000
18	7D Total	0		0.0211	0.0211	0.0000		0.0583	0.0583	0.0000	1	0.1132	0.0566	0.0000
19	8D	0.001		0.0423	0.0423	0.0000	1	0.0291	0.0146	0.0000	1	0.0793	0.0396	0.0000
20	4F 2378	0.1		0.0242	0.0242	0.0024	1	0.0182	0.0091	0.0009	1	0.0226	0.0113	0.0011
21	4F Other	0		0.2053	0.2053	0.0000		0.0692	0.0692	0.0000		0.1132	0.1132	0.0000
22	4F Total	0		0.2295	0.2295	0.0000		0.0874	0.0874	0.0000		0.1359	0.1359	0.0000
23	5F 12378	0.05	1	0.0024	0.0012	0.0001	1	0.0036	0.0018	0.0001	1	0.0091	0.0045	0.0002
24	5F 23478	0.5	1	0.0024	0.0012	0.0006	1	0.0036	0.0018	0.0009	1	0.0091	0.0045	0.0023
25	5F Other	0		0.0042	0.0042	0.0000		0.0000				0.0045	0.0045	0.0000
26	5F Total	0	1	0.0091	0.0045	0.0000		0.0073	0.0073	0.0000	1	0.0226	0.0113	0.0000
27	6F 123478	0.1		0.0091	0.0091	0.0009		0.0073	0.0073	0.0007		0.0340	0.0340	0.0034
28	6F 123678	0.1		0.0024	0.0024	0.0002	1	0.0036	0.0018	0.0002	1	0.0102	0.0051	0.0005
29	6F 123789	0.1	1	0.0060	0.0030	0.0003	1	0.0073	0.0036	0.0004	1	0.0226	0.0113	0.0011
30	6F 234678	0.1	1	0.0030	0.0015	0.0002		0.0036	0.0036	0.0004	1	0.0113	0.0057	0.0006
31	6F Other	0		-0.0085	-0.0085	0.0000		-0.0036	-0.0036	0.0000		-0.0555	-0.0555	0.0000
32	6F Total	0		0.0121	0.0121	0.0000		0.0182	0.0182	0.0000		0.0226	0.0226	0.0000
33	7F 1234678	0.01	1	0.0060	0.0030	0.0000	1	0.0073	0.0036	0.0000	1	0.0113	0.0057	0.0001
34	7F 1234789	0.01	1	0.0091	0.0045	0.0000	1	0.0109	0.0055	0.0001	1	0.0340	0.0170	0.0002
35	7F Other	0		-0.0060	-0.0060	0.0000		-0.0073	-0.0073	0.0000		-0.0226	-0.0226	0.0000
36	7F Total	0	1	0.0091	0.0045	0.0000	1	0.0109	0.0055	0.0000	1	0.0226	0.0113	0.0000
37	8F	0.001	1	0.0181	0.0091	0.0000	1	0.0182	0.0091	0.0000	1	0.0679	0.0340	0.0000
38	Total PCDD/PCDF			0.6432	0.6251			0.5681	0.5390			1.0644	0.8776	
39	TEQ		68.9	0.0123		0.0080	90.9	0.0145		0.0079	90.7	0.0366		0.0200

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	303C5	I-TEF			R1				R2				R3	
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
3	ng/dscm			Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
4														
5	4D 2378	1	1	0.0033	0.0017	0.0017	1	0.0035	0.0018	0.0018	1	0.0029	0.0015	0.0015
6	4D Other	0		0.0100	0.0100	0.0000		0.0105	0.0105	0.0000		0.0036	0.0036	0.0000
7	4D Total	0		0.0133	0.0133	0.0000		0.0140	0.0140	0.0000		0.0065	0.0065	0.0000
8	5D 12378	0.5	1	0.0067	0.0033	0.0017	1	0.0105	0.0053	0.0026	1	0.0033	0.0016	0.0008
9	5D Other	0		0.0000				0.0176	0.0176	0.0000		0.0163	0.0163	0.0000
10	5D Total	0		0.0067	0.0067	0.0000	1	0.0281	0.0140	0.0000		0.0195	0.0195	0.0000
11	6D 123478	0.1	1	0.0133	0.0067	0.0007	1	0.0140	0.0070	0.0007	1	0.0065	0.0033	0.0003
12	6D 123678	0.1	1	0.0100	0.0050	0.0005	1	0.0140	0.0070	0.0007	1	0.0033	0.0016	0.0002
13	6D 123789	0.1	1	0.0133	0.0067	0.0007	1	0.0140	0.0070	0.0007	1	0.0033	0.0016	0.0002
14	6D Other	0		0.0133	0.0133	0.0000		0.0246	0.0246	0.0000		0.0489	0.0489	0.0000
15	6D Total	0	1	0.0499	0.0249	0.0000		0.0667	0.0667	0.0000		0.0619	0.0619	0.0000
16	7D 1234678	0.01	1	0.0200	0.0100	0.0001	1	0.0281	0.0140	0.0001		0.0098	0.0098	0.0001
17	7D Other	0		0.0000				0.0000				0.0130	0.0130	0.0000
18	7D Total	0	1	0.0200	0.0100	0.0000	1	0.0281	0.0140	0.0000		0.0228	0.0228	0.0000
19	8D	0.001	1	0.0333	0.0166	0.0000	1	0.0702	0.0351	0.0000	1	0.0195	0.0098	0.0000
20	4F 2378	0.1		0.0166	0.0166	0.0017	1	0.0140	0.0070	0.0007		0.0130	0.0130	0.0013
21	4F Other	0		0.1097	0.1097	0.0000		0.0983	0.0983	0.0000		0.1108	0.1108	0.0000
22	4F Total	0		0.1264	0.1264	0.0000		0.1124	0.1124	0.0000		0.1238	0.1238	0.0000
23	5F 12378	0.05	1	0.0033	0.0017	0.0001	1	0.0070	0.0035	0.0002	1	0.0029	0.0015	0.0001
24	5F 23478	0.5	1	0.0033	0.0017	0.0008	1	0.0070	0.0035	0.0018	1	0.0029	0.0015	0.0007
25	5F Other	0		-0.0033	-0.0033	0.0000		-0.0070	-0.0070	0.0000		0.0007	0.0007	0.0000
26	5F Total	0	1	0.0033	0.0017	0.0000	1	0.0070	0.0035	0.0000		0.0065	0.0065	0.0000
27	6F 123478	0.1	1	0.0033	0.0017	0.0002	1	0.0070	0.0035	0.0004	1	0.0065	0.0033	0.0003
28	6F 123678	0.1	1	0.0067	0.0033	0.0003	1	0.0070	0.0035	0.0004	1	0.0016	0.0008	0.0001
29	6F 123789	0.1	1	0.0100	0.0050	0.0005	1	0.0105	0.0053	0.0005	1	0.0033	0.0016	0.0002
30	6F 234678	0.1	1	0.0067	0.0033	0.0003	1	0.0070	0.0035	0.0004	1	0.0026	0.0013	0.0001
31	6F Other	0		-0.0166	-0.0166	0.0000		-0.0246	-0.0246	0.0000		-0.0075	-0.0075	0.0000
32	6F Total	0	1	0.0100	0.0050	0.0000	1	0.0070	0.0035	0.0000		0.0065	0.0065	0.0000
33	7F 1234678	0.01	1	0.0100	0.0050	0.0000	1	0.0105	0.0053	0.0001	1	0.0065	0.0033	0.0000
34	7F 1234789	0.01	1	0.0166	0.0083	0.0001	1	0.0176	0.0088	0.0001	1	0.0033	0.0016	0.0000
35	7F Other	0		-0.0133	-0.0133	0.0000		-0.0140	-0.0140	0.0000		-0.0033	-0.0033	0.0000
36	7F Total	0	1	0.0133	0.0067	0.0000	1	0.0140	0.0070	0.0000	1	0.0065	0.0033	0.0000
37	8F	0.001	1	0.0333	0.0166	0.0000	1	0.0702	0.0351	0.0000	1	0.0065	0.0033	0.0000
38	Total PCDD/PCDF			0.3093	0.2278			0.4179	0.3055			0.2802	0.2639	
39	TEQ		90.2	0.0170		0.0093	100.0	0.0221		0.0111	86.5	0.0104		0.0059

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	303C7	I-TEF		R1			R2			R3			R4					
2		Wght Fact		Total	Total	TEQ	Total	Total	TEQ	Total	TEQ	Total	TEQ	Total	Total	TEQ		
3	ng/dscm			Full ND	1/2 ND	1/2 ND	Full ND	1/2 ND	1/2 ND	Full ND	1/2 ND	1/2 ND	Full ND	1/2 ND	1/2 ND	Full ND	1/2 ND	1/2 ND
4																		
5	4D 2378	1		0.0679	0.0679	0.0679	0.0721	0.0721	0.0721	0.0673	0.0673	0.0673	0.2073	0.2073	0.2073			
6	4D Other	0		0.2072	0.2072	0.0000	0.2542	0.2542	0.0000	0.1380	0.1380	0.0000	0.5994	0.5994	0.0000			
7	4D Total	0		0.2751	0.2751	0.0000	0.3263	0.3263	0.0000	0.2053	0.2053	0.0000	0.8067	0.8067	0.0000			
8	5D 12378	0.5		0.1179	0.1179	0.0590	0.0653	0.0653	0.0326	0.0606	0.0606	0.0303	0.2438	0.2438	0.1219			
9	5D Other	0		0.2751	0.2751	0.0000	0.2645	0.2645	0.0000	0.3433	0.3433	0.0000	0.8829	0.8829	0.0000			
10	5D Total	0		0.3930	0.3930	0.0000	0.3298	0.3298	0.0000	0.4039	0.4039	0.0000	1.1267	1.1267	0.0000			
11	6D 123478	0.1		0.1715	0.1715	0.0172	0.0309	0.0309	0.0031	0.0404	0.0404	0.0040	0.2428	0.2428	0.0243			
12	6D 123678	0.1		0.1679	0.1679	0.0168	0.0481	0.0481	0.0048	0.0370	0.0370	0.0037	0.2530	0.2530	0.0253			
13	6D 123789	0.1		0.0715	0.0715	0.0071	0.0687	0.0687	0.0069	0.0202	0.0202	0.0020	0.1604	0.1604	0.0160			
14	6D Other	0		0.9111	0.9111	0.0000	0.7111	0.7111	0.0000	0.8111	0.8111	0.0000	2.4332	2.4332	0.0000			
15	6D Total	0		1.3220	1.3220	0.0000	0.8588	0.8588	0.0000	0.9087	0.9087	0.0000	3.0894	3.0894	0.0000			
16	7D 1234678	0.01		0.3930	0.3930	0.0039	0.1374	0.1374	0.0014	0.1313	0.1313	0.0013	0.6617	0.6617	0.0066			
17	7D Other	0		0.2144	0.2144	0.0000	0.1786	0.1786	0.0000	0.1716	0.1716	0.0000	0.5646	0.5646	0.0000			
18	7D Total	0		0.6074	0.6074	0.0000	0.3160	0.3160	0.0000	0.3029	0.3029	0.0000	1.2263	1.2263	0.0000			
19	8D	0.001		1.0362	1.0362	0.0010	0.3160	0.3160	0.0003	0.3365	0.3365	0.0003	1.6887	1.6887	0.0017			
20	4F 2378	0.1		2.0366	2.0366	0.2037	2.4389	2.4389	0.2439	2.2885	2.2885	0.2288	6.7640	6.7640	0.6764			
21	4F Other	0		33.5148	33.5148	0.0000	36.0341	36.0341	0.0000	42.8083	42.8083	0.0000	112.3572	112.3572	0.0000			
22	4F Total	0		35.5514	35.5514	0.0000	38.4730	38.4730	0.0000	45.0968	45.0968	0.0000	119.1212	119.1212	0.0000			
23	5F 12378	0.05		0.5360	0.5360	0.0268	0.4466	0.4466	0.0223	0.5385	0.5385	0.0269	1.5210	1.5210	0.0760			
24	5F 23478	0.5		0.7146	0.7146	0.3573	0.5153	0.5153	0.2576	0.7067	0.7067	0.3534	1.9366	1.9366	0.9683			
25	5F Other	0		0.3573	0.3573	0.0000	1.0649	1.0649	0.0000	1.1106	1.1106	0.0000	2.5328	2.5328	0.0000			
26	5F Total	0		1.6079	1.6079	0.0000	2.0267	2.0267	0.0000	2.3558	2.3558	0.0000	5.9904	5.9904	0.0000			
27	6F 123478	0.1		0.5002	0.5002	0.0500	0.2817	0.2817	0.0282	0.2793	0.2793	0.0279	1.0612	1.0612	0.1061			
28	6F 123678	0.1		0.1965	0.1965	0.0197	0.0962	0.0962	0.0096	0.1144	0.1144	0.0114	0.4071	0.4071	0.0407			
29	6F 123789	0.1		0.1501	0.1501	0.0150	0.0137	0.0137	0.0014	0.0168	0.0168	0.0017	0.1806	0.1806	0.0181			
30	6F 234678	0.1		0.2322	0.2322	0.0232	0.0927	0.0927	0.0093	0.0808	0.0808	0.0081	0.4058	0.4058	0.0406			
31	6F Other	0		0.5288	0.5288	0.0000	0.6492	0.6492	0.0000	0.0135	0.0135	0.0000	1.1915	1.1915	0.0000			
32	6F Total	0		1.6079	1.6079	0.0000	1.1336	1.1336	0.0000	0.5048	0.5048	0.0000	3.2462	3.2462	0.0000			
33	7F 1234678	0.01		0.3216	0.3216	0.0032	0.1065	0.1065	0.0011	0.1077	0.1077	0.0011	0.5358	0.5358	0.0054			
34	7F 1234789	0.01		0.2215	0.2215	0.0022	0.0172	0.0172	0.0002	0.0135	0.0067	0.0001	0.2522	0.2522	0.0025			
35	7F Other	0		0.0286	0.0286	0.0000	0.0172	0.0172	0.0000	0.0740	0.0740	0.0000	0.1198	0.1198	0.0000			
36	7F Total	0		0.5717	0.5717	0.0000	0.1408	0.1408	0.0000	0.1952	0.1952	0.0000	0.9077	0.9077	0.0000			
37	8F	0.001		1.1434	1.1434	0.0011	0.0721	0.0721	0.0001	0.0707	0.0707	0.0001	1.2862	1.2862	0.0013			
38	TEQ		0.0	0.8751		0.8751	0.0	0.6948		0.6948	0.0	0.7686		0.7685	0.0	2.3385		2.3385
39	Total PCDD/PCDF			44.1158	44.1158		43.9932	43.9932		50.3805	50.3805		138.4896	138.4896				

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	303C8	I-TEF			R1				R2				R3	
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
3	ng/dscm			Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
4														
5	4D 2378	1	1	0.0011	0.0006	0.0006	1	0.0012	0.0006	0.0006	1	0.0010	0.0005	0.0005
6	4D Other	0		0.0165	0.0165	0.0000		0.0117	0.0117	0.0000		0.0105	0.0105	0.0000
7	4D Total	0		0.0176	0.0176	0.0000		0.0129	0.0129	0.0000		0.0115	0.0115	0.0000
8	5D 12378	0.5		0.0022	0.0022	0.0011		0.0029	0.0029	0.0015	1	0.0010	0.0005	0.0003
9	5D Other	0		0.0364	0.0364	0.0000		0.0147	0.0147	0.0000		0.0157	0.0157	0.0000
10	5D Total	0		0.0386	0.0386	0.0000		0.0176	0.0176	0.0000		0.0168	0.0168	0.0000
11	6D 123478	0.1		0.0022	0.0022	0.0002		0.0035	0.0035	0.0004		0.0016	0.0016	0.0002
12	6D 123678	0.1		0.0055	0.0055	0.0006		0.0059	0.0059	0.0006		0.0042	0.0042	0.0004
13	6D 123789	0.1		0.0055	0.0055	0.0006		0.0117	0.0117	0.0012		0.0042	0.0042	0.0004
14	6D Other	0		0.0640	0.0640	0.0000		0.0963	0.0963	0.0000		0.0320	0.0320	0.0000
15	6D Total	0		0.0772	0.0772	0.0000		0.1174	0.1174	0.0000		0.0420	0.0420	0.0000
16	7D 1234678	0.01		0.0221	0.0221	0.0002		0.0528	0.0528	0.0005		0.0210	0.0210	0.0002
17	7D Other	0		0.0221	0.0221	0.0000		0.0528	0.0528	0.0000		0.0157	0.0157	0.0000
18	7D Total	0		0.0441	0.0441	0.0000		0.1057	0.1057	0.0000		0.0367	0.0367	0.0000
19	8D	0.001		0.0386	0.0386	0.0000		0.0822	0.0822	0.0001		0.0367	0.0367	0.0000
20	4F 2378	0.1		0.0165	0.0165	0.0017		0.0235	0.0235	0.0023	1	0.0157	0.0079	0.0008
21	4F Other	0		0.4246	0.4246	0.0000		0.4990	0.4990	0.0000		0.3465	0.3465	0.0000
22	4F Total	0		0.4412	0.4412	0.0000		0.5225	0.5225	0.0000		0.3622	0.3622	0.0000
23	5F 12378	0.05		0.0055	0.0055	0.0003		0.0059	0.0059	0.0003		0.0042	0.0042	0.0002
24	5F 23478	0.5		0.0055	0.0055	0.0028		0.0059	0.0059	0.0029		0.0047	0.0047	0.0024
25	5F Other	0		0.0441	0.0441	0.0000		0.0587	0.0587	0.0000		0.0383	0.0383	0.0000
26	5F Total	0		0.0551	0.0551	0.0000		0.0705	0.0705	0.0000		0.0472	0.0472	0.0000
27	6F 123478	0.1		0.0110	0.0110	0.0011	1	0.0012	0.0006	0.0001		0.0105	0.0105	0.0010
28	6F 123678	0.1	1	0.0044	0.0022	0.0002		0.0117	0.0117	0.0012		0.0037	0.0037	0.0004
29	6F 123789	0.1	1	0.0011	0.0006	0.0001	1	0.0023	0.0012	0.0001	1	0.0021	0.0010	0.0001
30	6F 234678	0.1		0.0055	0.0055	0.0006		0.0176	0.0176	0.0018		0.0052	0.0052	0.0005
31	6F Other	0		0.0276	0.0276	0.0000		0.0705	0.0705	0.0000		0.0173	0.0173	0.0000
32	6F Total	0		0.0496	0.0496	0.0000		0.1033	0.1033	0.0000		0.0388	0.0388	0.0000
33	7F 1234678	0.01		0.0110	0.0110	0.0001		0.0294	0.0294	0.0003		0.0105	0.0105	0.0001
34	7F 1234789	0.01		0.0033	0.0033	0.0000		0.0059	0.0059	0.0001		0.0031	0.0031	0.0000
35	7F Other	0		0.0077	0.0077	0.0000		0.0059	0.0059	0.0000		0.0021	0.0021	0.0000
36	7F Total	0		0.0221	0.0221	0.0000		0.0411	0.0411	0.0000		0.0157	0.0157	0.0000
37	8F	0.001		0.0165	0.0165	0.0000		0.0235	0.0235	0.0000		0.0157	0.0157	0.0000
38	TEQ		15.3	0.0108		0.0100	10.5	0.0146		0.0138	36.2	0.0093		0.0076
39	Total PCDD/PCDF			0.8007	0.8007			1.0967	1.0967			0.6237	0.6237	

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	303C9	I-TEF			R1				R2				R3	
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
3	ng/dscm			Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
4														
5	4D 2378	1	1	0.0005	0.0002	0.0002	1	0.0005	0.0003	0.0003	1	0.0005	0.0002	0.0002
6	4D Other	0		0.0047	0.0047	0.0000		0.0100	0.0100	0.0000		0.0092	0.0092	0.0000
7	4D Total	0		0.0051	0.0051	0.0000		0.0105	0.0105	0.0000		0.0097	0.0097	0.0000
8	5D 12378	0.5		0.0009	0.0009	0.0005		0.0015	0.0015	0.0008	1	0.0014	0.0007	0.0003
9	5D Other	0		0.0037	0.0037	0.0000		0.0000				0.0125	0.0125	0.0000
10	5D Total	0		0.0047	0.0047	0.0000		0.0015	0.0015	0.0000		0.0139	0.0139	0.0000
11	6D 123478	0.1	1	0.0014	0.0007	0.0001	1	0.0025	0.0013	0.0001		0.0014	0.0014	0.0001
12	6D 123678	0.1		0.0023	0.0023	0.0002		0.0040	0.0040	0.0004		0.0037	0.0037	0.0004
13	6D 123789	0.1	1	0.0019	0.0009	0.0001	1	0.0050	0.0025	0.0003		0.0046	0.0046	0.0005
14	6D Other	0		0.0164	0.0164	0.0000		0.0360	0.0360	0.0000		0.0273	0.0273	0.0000
15	6D Total	0		0.0220	0.0220	0.0000		0.0475	0.0475	0.0000		0.0370	0.0370	0.0000
16	7D 1234678	0.01		0.0094	0.0094	0.0001		0.0200	0.0200	0.0002		0.0139	0.0139	0.0001
17	7D Other	0		0.0094	0.0094	0.0000		0.0150	0.0150	0.0000		0.0139	0.0139	0.0000
18	7D Total	0		0.0187	0.0187	0.0000		0.0350	0.0350	0.0000		0.0277	0.0277	0.0000
19	8D	0.001		0.0281	0.0281	0.0000		0.0300	0.0300	0.0000		0.0231	0.0231	0.0000
20	4F 2378	0.1	1	0.0094	0.0047	0.0005	1	0.0100	0.0050	0.0005		0.0185	0.0185	0.0018
21	4F Other	0		0.3086	0.3086	0.0000		0.3502	0.3502	0.0000		0.2402	0.2402	0.0000
22	4F Total	0		0.3179	0.3179	0.0000		0.3602	0.3602	0.0000		0.2587	0.2587	0.0000
23	5F 12378	0.05		0.0023	0.0023	0.0001		0.0035	0.0035	0.0002		0.0028	0.0028	0.0001
24	5F 23478	0.5		0.0023	0.0023	0.0012		0.0040	0.0040	0.0020		0.0032	0.0032	0.0016
25	5F Other	0		0.0187	0.0187	0.0000		0.0225	0.0225	0.0000		0.0171	0.0171	0.0000
26	5F Total	0		0.0234	0.0234	0.0000		0.0300	0.0300	0.0000		0.0231	0.0231	0.0000
27	6F 123478	0.1		0.0047	0.0047	0.0005		0.0100	0.0100	0.0010		0.0092	0.0092	0.0009
28	6F 123678	0.1		0.0019	0.0019	0.0002		0.0040	0.0040	0.0004		0.0028	0.0028	0.0003
29	6F 123789	0.1	1	0.0009	0.0005	0.0000	1	0.0020	0.0010	0.0001	1	0.0014	0.0007	0.0001
30	6F 234678	0.1		0.0047	0.0047	0.0005		0.0050	0.0050	0.0005		0.0046	0.0046	0.0005
31	6F Other	0		0.0028	0.0028	0.0000		0.0160	0.0160	0.0000		0.0111	0.0111	0.0000
32	6F Total	0		0.0150	0.0150	0.0000		0.0370	0.0370	0.0000		0.0291	0.0291	0.0000
33	7F 1234678	0.01		0.0047	0.0047	0.0000		0.0100	0.0100	0.0001		0.0092	0.0092	0.0001
34	7F 1234789	0.01		0.0019	0.0019	0.0000	1	0.0025	0.0013	0.0000		0.0023	0.0023	0.0000
35	7F Other	0		0.0028	0.0028	0.0000		0.0000				0.0023	0.0023	0.0000
36	7F Total	0		0.0094	0.0094	0.0000		0.0125	0.0125	0.0000		0.0139	0.0139	0.0000
37	8F	0.001		0.0140	0.0140	0.0000		0.0150	0.0150	0.0000		0.0139	0.0139	0.0000
38	TEQ		35.5	0.0051		0.0042	30.8	0.0080		0.0068	16.5	0.0078		0.0072
39	Total PCDD/PCDF			0.4582	0.4582			0.5794	0.5794			0.4499	0.4499	