	B	C
1	**Source Description**	
2		
3	Phase I ID No.	302
4	EPA ID No.	OHD987048733
5	Facility Name	Lafarge
6	Facility Location	
7	City	Paulding
8	State	OH
9	Unit ID Name/No.	Kiln No. 1
10	Other Sister Facilities	Kiln No. 2
11	Number of Sister Facilities	1
12	Combustor Class	Cement Kiln (CK)
13	Combustor Type	Wet, long
14	Combustor Characteristics	
15		Mid kiln CO measurement bypass
16	Capacity (MMBtu/hr)	
17	APCS Detailed Acronym	FF
18	APCS General Class	FF
19	APCS Characteristics	Newly installed FF; ESP used during older test conditions
20	Hazardous Wastes	Liq
21	Haz Waste Description	
22	Supplemental Fuel	Coal
23		
24	Stack Characteristics	
25	Diameter (ft)	11.5
26	Height (ft)	250.0
27	Gas Velocity (ft/sec)	2.5
28	Gas Temperature (°F)	355.5
29		
30	Permitting Status	Tier I for Hg, Ag, Tl, Sb, Ba; Tier III for Pb, As, Be, Cd, Cr
31	HWC Burn Status (Date if Terminated)	Y

	B	C
1	**Condition Description**	
2		
3	**302C10**	
4		
5	Report Name/Date	Lafarge Corp Paulding, Ohio, August 1998 Trial Burn Report, August 1998
6	Report Prepare	Radian International
7	Testing Firm	Radian International
8	Testing Dates	5/9/98-5/12/98
9	Cond Dates	May-98
10	Condition Descr	CoC; high temperature, max metals, prod rate, waste feed
11	Content	PM, HCl/Cl2, D/F, metals, CO, POHC DRE
12		
13	**302C11**	
14		
15	Report Name/Date	Lafarge Corp Paulding, Ohio, August 1998 Trial Burn Report, August 1998
16	Report Prepare	Radian International
17	Testing Firm	Radian International
18	Testing Dates	5/7/98-5/8/98
19	Cond Dates	May-98
20	Condition Descr	CoC; low temperature
21	Content	POHC DRE, D/F, CO
22		
23	**302C12**	
24		
25	Report Name/Date	Lafarge Corp Paulding, Ohio, August 1998 Trial Burn Report, August 1998
26	Report Prepare	Radian International
27	Testing Firm	Radian International
28	Testing Dates	5/5/98-5/6/98
29	Cond Dates	May-98
30	Condition Descr	Risk burn, normal operations
31	Content	PM/PSD, metals, D/F, organics, HCl/Cl2, CO
32		
33	Comments	
34	CO measurement made in mid-kiln	
35		
36	**302C1**	
37		
38	Report Name/Date	Lafarge Corp Paulding Plant Compliance Test, Certification Package, prepared by Radian, August 1992
39	Report Prepare	Radian
40	Testing Firm	Radian
41	Cond Descr	CoC, MAX COMB TEMP, MIN ESP POWER, MAX PROD
42	Testing Dates	June 18-19, 1992
43	Cond Dates	Jun-92
44		
45	**302C2**	
46		
47	Report Name/Date	Lafarge Corp Paulding Ohio, Certification of Compliance, Alternative Carbon Monoxide Standard, prepared by Radian, September 1994
48	Report Prepare	Radian
49	Testing Firm	Radian
50	Cond Descr	SUBSTITUTE RAW MATERIALS
51	Testing Dates	September 27-29, 1994
52	Cond Dates	Sep-94
53		
54	**302C3**	
55		
56	Report Name/Date	Lafarge Corp Paulding Ohio Plant, Recertification of Compliance, prepared by Radian, submitted August 1995
57	Report Prepare	Radian
58	Testing Firm	Radian
59	Cond Descr	CoC, MAX OPERATING CONDITIONS
60	Testing Dates	July 10, 1995
61	Cond Dates	Jul-95
62		
63	**302C4**	
64		
65	Report Name/Date	Lafarge Corp Paulding Ohio Plant, Recertification of Compliance, prepared by Radian, submitted August 1995
66	Report Prepare	Radian
67	Testing Firm	Radian

	B	C
68	Cond Descr	CoC, OPERATING CONDITIONS @ MIN TEMP
69	Testing Dates	July 11, 1995
70	Cond Dates	Jul-95
71		
72	**302C5**	
73		
74	Report Name/Date	PCDD/PCDF Testing Data from Lafarge Paulding, Radian Testing during Summer 1994, CRKC Docket No. 733, contained in letter from CKRC to EPA OSW
75	Report Prepare	CKRC
76	Testing Firm	Radian
77	Cond Descr	DIOXIN/FURAN EMISSIONS TESTING
78	Testing Dates	Summer 1994
79	Cond Dates	Aug-94

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions 1**											
2												
3												
4	**302C10**	Max comb temp, max metals, (				R1		R2		R3		Cond Avg
5												
6	PM	E1	gr/dscf	y		0.0027		0.0018		0.003		0.0025
7												
8	CO (RA)	E1	ppmv	y		17.2		22.4		24.1		21.2
9	CO (MHRA)	E1	ppmv	y		36.3		32.2		53		40.5
10												
11	HCl		g/dscm	y		0.0168		0.0107		0.0123		
12	Cl2		g/dscm	y		3.96E-05		2.08E-04		1.96E-04		
13												
14	Antimony	E2	ug/dscm	y		1.08		1.21		1.31		1.20
15	Arsenic	E2	ug/dscm	y		0.109		0.286		0.171		0.19
16	Barium	E2	ug/dscm	y		4.65		4.05		3.82		4.17
17	Beryllium	E2	ug/dscm	y		0.0573		0.065		0.0871		0.07
18	Cadmium	E2	ug/dscm	y		3.43		0.711		0.076		1.41
19	Chromium	E2	ug/dscm	y		0.942		0.417		0.718		0.69
20	Lead	E2	ug/dscm	y		7.61		7.84		0.79		5.41
21	Mercury	E2	ug/dscm	y		10.5		7.57		10.1		9.39
22	Nickel	E2	ug/dscm	y		2.61		1.98		3.06		2.55
23	Selenium	E2	ug/dscm	y		6.94		10.5		5.54		7.66
24	Silver	E2	ug/dscm	y		0.046		0.0323		0.0368		0.04
25	Thallium	E2	ug/dscm	y		5.99		11.4		5.74		7.71
26												
27	SVM	E2	ug/dscm	y		11.04		8.551		0.866		6.82
28	LVM	E2	ug/dscm	y		1.11		0.77		0.98		0.95
29												
30	POHC DRE	Tetrachloroethene										
31	POHC Feedrate		g/hr			4.34E+04		4.43E+04		4.77E+04		
32	Emission Rate	E3	g/hr		nd	0.412	nd	0.459	nd	0.42		
33	DRE	E3	%		>	99.9991	>	99.9990	>	99.9991		
34												
35	POHC DRE	1,2,4-Trichlorobenzene										
36	POHC Feedrate		g/hr			3.73E+04		3.72E+04		3.78E+04		
37	Emission Rate	E3	g/hr		nd	0.0432	nd	0.045	nd	0.0439		
38	DRE	E3	%		>	99.9999	>	99.9999	>	99.9999		
39												
40	POHC DRE	1,2-Dichlorobenzene										
41	POHC Feedrate		g/hr			5.21E+04		5.94E+04		6.01E+04		
42	Emission Rate	E3	g/hr		nd	0.103	nd	0.057	nd	0.0556		
43	DRE	E3	g/hr		>	99.9998	>	99.9999	>	99.9999		
44												
45	Sampling Train	PM, HCl	E1									
46	Stack Gas Flowrate		dscfm			60461		60631		61263		60785
47	O2		%			7.37		7.1		7.5		7.3
48	Moisture		%			34.84		33.75		35.79		34.8
49	Temperature		°F			368.1		366.8		364		366.3
50												
51	Sampling Train	Metals	E2									
52	Stack Gas Flowrate		dscfm			60177		60595		58346		59706
53	O2		%			7.37		7.1		7.5		7.3
54	Moisture		%			34.01		34.17		35.71		34.6
55	Temperature		°F			368		368		365.6		367.2
56												
57	Sampling Train	PCDD/P	E3									
58	Stack Gas Flowrate		dscfm			60535		60930		61623		61029
59	O2		%			7.37		7.1		7.5		7.3
60	Moisture		%			34.6		34.7		34.65		34.7
61	Temperature		°F			362		362		352		358.7
62												
63	HCl	E1	ppmv	y		11.37		7.10		8.40		9.0
64	Cl2	E1	ppmv	y		0.01		0.07		0.07		0.1
65	Total Chlorine	E1	ppmv	y		11.4		7.2		8.5		9.1
66												
67												
68	**302C11**	D/F, POHC DRE compliance				R1		R2		R3		Cond Avg
69												
70	CO (RA)	E1	ppmv	y		13.8		8.7		8		10.2
71	CO (MHRA)	E1	ppmv	y		20.5		9.1		8.5		12.7

	B	C	D	E	F	G	H	I	J	K	L	M
72												
73	POHC DRE	Tetrachloroethene										
74	POHC Feedrate		g/hr			4.34E+04		4.27E+04		4.30E+04		
75	Emission Rate	E1	g/hr		nd	0.451	nd	0.455	nd	0.479		
76	DRE	E1	%		>	99.9990	>	99.9989	>	99.9989		
77												
78	POHC DRE	1,2,4-Trichlorobenzene										
79	POHC Feedrate		g/hr			3.52E+04		3.64E+04		3.68E+04		
80	Emission Rate	E1	g/hr		nd	0.0916	nd	0.0893	nd	0.0883		
81	DRE	E1	%		>	99.9997	>	99.9998	>	99.9998		
82												
83	POHC DRE	1,2-Dichlorobenzene										
84	POHC Feedrate		g/hr			4.73E+04		4.90E+04		4.95E+04		
85	Emission Rate	E1	g/hr		nd	0.116	nd	0.113	nd	0.112		
86	DRE	E1	g/hr		>	99.9998	>	99.9998	>	99.9998		
87												
88	Sampling Train	POHC	E1									
89	Stack Gas Flowrate		dscfm			59287		59207		58092		58862.0
90	O2		%			6.7		6.6		6.7		6.7
91	Moisture		%			34.07		34.47		33.94		34.2
92	Temperature		°F			404		413		406		407.7
93												
94	Sampling Train	PCDD/P	E2									
95	Stack Gas Flowrate		dscfm			58433		57769		59278		58493.3
96	O2		%			6.7		6.6		6.84		6.7
97	Moisture		%			33.59		33.93		37.26		34.9
98	Temperature		°F			400.7		407.5		388.7		399.0
99												
100	**302C12**					R1		R2		R3		Cond Avg
101												
102	PM	E1	gr/dscf	y		0.0023		0.0026		0.0051		0.0033
103												
104	CO (RA)	E1	ppmv	y		33.2		9.8		15.8		19.6
105	CO (MHRA)	E1	ppmv	y		68.2		12.5		38.7		39.8
106												
107	HCl		g/dscm			0.0267		0.0048		0.0232		
108	Cl2		g/dscm			2.65E-06		2.55E-06		1.63E-04		
109												
110	Antimony	E2	ug/dscm	y		1.29		1.51		1.43		1.41
111	Arsenic	E2	ug/dscm	y		0.143		0.163		0.121		0.14
112	Barium	E2	ug/dscm	y		6.16		5.84		5.54		5.85
113	Beryllium	E2	ug/dscm	y		0.0681		0.0754		0.0877		0.08
114	Cadmium	E2	ug/dscm	y		0.053		0.0472		0.0801		0.06
115	Chromium	E2	ug/dscm	y		0.907		0.743		0.441		0.70
116	Lead	E2	ug/dscm	y		0.489		0.818		1.96		1.09
117	Mercury	E2	ug/dscm	y		14.1		14		22.8		16.97
118	Nickel	E2	ug/dscm	y		3.27		3.17		3.01		3.15
119	Selenium	E2	ug/dscm	y		5.83		4.78		6.72		5.78
120	Silver	E2	ug/dscm	y		0.0473		0.0443		0.0529		0.05
121	Thallium	E2	ug/dscm	y		12.5		6.23		10.8		9.84
122												
123	SVM	E2	ug/dscm	y		0.542		0.8652		2.0401		1.15
124	LVM	E2	ug/dscm	y		1.12		0.98		0.65		0.92
125												
126	Sampling Train	PM, HCl	E1									
127	Stack Gas Flowrate		dscfm			58760		61498		61713		60657
128	O2		%			7.6		7.3		7		7.3
129	Moisture		%			34.38		34.21		34.45		34.3
130	Temperature		°F			412.1		401.8		403.2		405.7
131												
132	Sampling Train	Metals	E2									
133	Stack Gas Flowrate		dscfm			57672		57222		58700		57865
134	O2		%			7.6		7.3		7		7.3
135	Moisture		%			33.31		33.64		33.71		33.6
136	Temperature		°F			417.8		408		408.3		411.4
137												
138	Sampling Train	PCDD/P	E3									
139	Stack Gas Flowrate		dscfm			59388		59314		59141		59281
140	O2		%			7.6		7.3		7		7.3
141	Moisture		%			33.03		33.32		33.38		33.2
142	Temperature		°F			411.4		399.7		410.2		407.1

	B	C	D	E	F	G	H	I	J	K	L	M
143												
144	HCl	E1	ppmv	y		18.38		3.23		15.28		12.30
145	Cl2	E1	ppmv	y		0.001		0.001		0.055		0.02
146	Total Chlorine	E1	ppmv	y		18.4		3.2		15.4		12.34

	B	C	D	E	G	I	K	M	O	Q	S
1	**Stack Gas Emissions 2**										
2											
3											
4	**302C1**				R1	R2	R3	R4	R5	R6	Cond Avg
5											
6	PM	E1	gr/dscf	y				0.02000	0.06000	0.02074	0.03358
7	HCl	E1	ppmv	y	11.68	11.16	10.66				11.17
8	Cl2	E1	ppmv	y	0.60	0.11	0.56				0.42
9	Total Chlorine	E1	ppmv	y	12.89	11.38	11.79				12.02
10	Arsenic	E2	ug/dscm	y				2.74	6.53	2.72	4.00
11	Beryllium	E2	ug/dscm	y				0.41	0.65	0.41	0.49
12	Cadmium	E2	ug/dscm	y				64.70	157.19	114.28	112.06
13	Chromium	E2	ug/dscm	y				12.32	26.16	13.59	17.36
14	Chromium (Hex)	E3	ug/dscm	y				0.40	0.26	0.27	0.31
15	Lead	E2	ug/dscm	y				715.40	3244.74	871.01	1610.38
16	SVM	E2	ug/dscm	y				780.10	3401.93	985.29	1722.44
17	LVM	E2	ug/dscm	y				15.47	33.34	16.72	21.84
18											
19	Sampling Train	Halogens	E1								
20	Stack Gas Flowrate		dscfm		43971	45558	43375				
21	O2		%		7	7	7				
22	Moisture		%		36.81	37.74	37.59				
23	Temperature		°F		370	376	384				
24											
25	Sampling Train	Metals	E2								
26	Stack Gas Flowrate		dscfm					42915	45006	44818	
27	O2		%					7	7	7.5	
28	Moisture		%					37.59	37.69	38.14	
29	Temperature		°F					395	389	392	
30											
31	Sampling Train	Cr Hex	E3								
32	Stack Gas Flowrate		dscfm					44022	45800	45069	
33	O2		%					7	7	7.5	
34	Moisture		%					37.59	37.69	38.14	
35	Temperature		°F					391	384	394	
36											
37	**302C2**				R1	R2	R3	R4	R5	R6	Cond Avg
38											
39	PM	E1	gr/dscf	y	0.07500	0.07200	0.03600				0.06100
40	CO (MHRA)	E1	ppmv	y	405.00	441.00	403.00				416.3
41	CO (RA)	E1	ppmv	y	200.00	194.00	179.00				191.0
42	HC (MHRA)	E1	ppmv	y	17.00	17.00	18.00				17.3
43	HC (RA)	E1	ppmv	y	14.00	13.00	14.00				13.7
44											
45	Sampling Train	Particulate	E1								
46	Stack Gas Flowrate		dscfm		22110	21237	21667				
47	O2		%		7.5	6.7	6.9				
48	Moisture		%		34.8	34.6	34.8				
49	Temperature		°F		373	374	372				
50											
51	**302C3**				R1	R2	R3	R4	R5	R6	Cond Avg
52											
53	PM	E1	gr/dscf	y	0.07300	0.05100	0.05700				0.0603
54	CO (MHRA)	E1	ppmv	y	91.00	100.00	104.00				98.33
55	CO (RA)	E1	ppmv	y	87.00	95.00	97.00				93.00
56	HC (MHRA)	E1	ppmv	y	15.00	15.00	15.00				15.00
57	HC (RA)	E1	ppmv	y	11.00	12.00	11.00				11.33
58	HCl	E1	ppmv	y	56.33	56.55	52.57				55.15
59	Cl2	E1	ppmv	y	0.08	0.15	0.10				0.11
60	Total Chlorine	E1	ppmv	y	56.50	56.86	52.78				55.38
61	Antimony	E2	ug/dscm	y	14.39	15.28	14.34				14.67
62	Arsenic	E2	ug/dscm	y	5.53	3.73	3.50				4.25
63	Barium	E2	ug/dscm	y	70.11	59.64	52.46				60.74
64	Beryllium	E2	ug/dscm	y	5.53	3.73	3.50				4.25
65	Cadmium	E2	ug/dscm	y	114.39	141.66	125.89				127.31
66	Chromium	E2	ug/dscm	y	15.50	10.81	9.09				11.80
67	Lead	E2	ug/dscm	y	1033.16	1267.45	1223.95				1174.86
68	Mercury	E2	ug/dscm	y	18.08	14.54	12.24				14.95
69	Silver	E2	ug/dscm	y	1.48	1.12	1.40				1.33
70	Thallium	E2	ug/dscm	y	3.32	4.85	4.90				4.35
71	SVM	E2	ug/dscm	y	1147.55	1409.11	1349.85				1302.17

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
72	LVM	E2	ug/dscm	y		26.57		18.27		16.09								20.31	
73																			
74	Sampling Train	Halogens	E1																
75	Stack Gas Flowrate		dscfm			39921		40703		41963									
76	O2		%			10.3		10.4		10.3									
77	Moisture		%			39.43		37.33		38.23									
78	Temperature		°F			363.54		350.52		346.54									
79																			
80	Sampling Train	Metals	E2																
81	Stack Gas Flowrate		dscfm			41624		41705		44042									
82	O2		%			10.27		10.4		10.3									
83	Moisture		%			38.86		37.54		36.93									
84	Temperature		°F			368.1		355.84		348.64									
85																			
86	**302C4**					R1		R2		R3		R4		R5		R6		Cond Avg	
87																			
88	PM	E1	gr/dscf	y		0.06100		0.04100		0.04800								0.05000	
89	CO (MHRA)	E1	ppmv	y		265.00		287.00		238.00								263.3	
90	CO (RA)	E1	ppmv	y		184.00		198.00		178.00								186.7	
91	HC (MHRA)	E1	ppmv	y		18.00		15.00		15.00								16.0	
92	HC (RA)	E1	ppmv	y		16.00		13.00		13.00								14.0	
93																			
94	Sampling Train	Particulate	E1																
95	Stack Gas Flowrate		dscfm			39014		38694		36012									
96	O2		%			5.8		7.8		6									
97	Moisture		%			36.45		36.59		39.9									
98	Temperature		°F			339.08		358.14		355.28									
99																			
100	**302C5**					R1		R2		R3		R4		R5		R6		Cond Avg	
101																			
102	Sampling Train	Dioxin & Fura	E1																
103	Stack Gas Flowrate		dscfm			27725		27725		27725									
104	O2		%			8		7.9		7.1									
105	Moisture		%			36.2		35.7		35.8									
106	Temperature		°F			365		360		380									

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	**Feedstreams 1**																			
2																				
3	**302C10**	Max comb temp, ma			R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg	
4																				
5	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2	
6	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Liq HW		Liq HW		Liq HW		Liq HW	
7	Feed Class 2				RM		RM		RM		RM		HW		HW		HW		HW	
8	Feedstream Description				Raw Matl		Raw Matl		Raw Matl		Raw Matl		Liq Waste		Liq Waste		Liq Waste		Liq Waste	
9	Feed Rate		g/hr		83027523		83857729		83215369		83366874		6837000		6946000		6774000		6852333	
10	Heating Value		Btu/lb		0		0		0		0		12600		12600		12700		12633	
11	Thermal Feedrate		MMBtu/hr		0		0		0		0		190		193		189		191	
12	Chlorine		g/hr		7320		5690		4240		5750.0		176000		179000		179000		178000.0	
13	Antimony		g/hr		90.5		61.3		82.3		78.0		829		632		835		765.3	
14	Arsenic		g/hr		230		236		236		234.0		16.9		14.7		19.6		17.1	
15	Barium		g/hr		6970		6670		7470		7036.7		3030		2610		2910		2850.0	
16	Beryllium		g/hr		33		33.1		25.6		30.6		0.216		0.337		0.19		0.2	
17	Cadmium		g/hr		16.9		15.4		19.1		17.1		57		53.4		58.4		56.3	
18	Chromium		g/hr		2660		2390		3010		2686.7		470		303		472		415.0	
19	Lead		g/hr		118		127		137		127.3		1030		741		1030		933.7	
20	Mercury		g/hr		0.057		0.266		0.304		0.2		1.8		1.44		1.83		1.7	
21	Nickel		g/hr		1140		1220		1270		1210.0		129		89		141		119.7	
22	Selenium		g/hr		69		33.5		86.6		63.0		39.9		36.3		46.2		40.8	
23	Silver		g/hr		14.5		21.8		14.2		16.8		12.9		12.3		13.3		12.8	
24	Thallium		g/hr		93		49		80.9		74.3		6.57		7.01		6.64		6.7	
25																				
26	Stack Gas Flowrate		dscfm		60177		60595		58346		59706.0		60177		60595		58346		59706.0	
27	Oxygen		%		7.37		7.1		7.5		7.3		7.37		7.1		7.5		7.3	
28																				
29	*Feedrate MTEC Calculations*																			
30	Chlorine		ug/dscm		73582.6		55699.5		44382.5		58057.7		1769198.8		1752232.7		1873693.4		1797265.0	
31	Antimony		ug/dscm		909.7		600.1		861.5		787.9		8333.3		6186.7		8740.4		7727.6	
32	Arsenic		ug/dscm		2312.0		2310.2		2470.3		2362.7		169.9		143.9		205.2		172.3	
33	Barium		ug/dscm		70064.3		65292.7		78192.7		71049.2		30458.4		25549.3		30460.6		28776.4	
34	Beryllium		ug/dscm		331.7		324.0		268.0		308.6		2.2		3.3		2.0		2.5	
35	Cadmium		ug/dscm		169.9		150.8		199.9		173.0		573.0		522.7		611.3		568.1	
36	Chromium		ug/dscm		26739.0		23395.7		31507.4		27127.3		4724.6		2966.1		4940.7		4190.3	
37	Lead		ug/dscm		1186.2		1243.2		1434.1		1285.7		10353.8		7253.7		10781.6		9427.2	
38	Mercury		ug/dscm		0.6		2.6		3.2		2.1		18.1		14.1		19.2		17.1	
39	Nickel		ug/dscm		11459.6		11942.6		13293.8		12217.4		1296.7		871.2		1475.9		1208.3	
40	Selenium		ug/dscm		693.6		327.9		906.5		636.4		401.1		355.3		483.6		412.0	
41	Silver		ug/dscm		145.8		213.4		148.6		170.0		129.7		120.4		139.2		129.6	
42	Thallium		ug/dscm		934.9		479.7		846.8		750.2		66.0		68.6		69.5		68.1	
43																				
44	SVM		ug/dscm		1356.1		1394.0		1634.0		1458.7		10926.8		7776.4		11392.9		9995.4	
45	LVM		ug/dscm		29382.8		26030.0		34245.7		29798.6		4896.6		3113.3		5147.8		4365.1	
46																				
47	**302C11**				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg	
48																				
49	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2	
50	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Liq HW		Liq HW		Liq HW		Liq HW	
51	Feedstream Description				Raw Matl		Raw Matl		Raw Matl		Raw Matl		Liq Waste		Liq Waste		Liq Waste		Liq Waste	
52	Feed Rate		g/hr		76000000		74760000		77700000		76153333		6770000		6910000		6780000		6820000	
53	Thermal Feedrate		MMBtu/hr		0		0		0		0		186		191		185		187	

	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	**Feedstreams 1**															
2																
3	**302C10**	R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg
4																
5	Feedstream Number	F3		F3		F3		F3		F4		F4		F4		F4
6	Feed Class	Spike		Spike		Spike		Spike		Total		Total		Total		Total
7	Feed Class 2	Spike		Spike		Spike		Spike		Total		Total		Total		Total
8	Feedstream Description	Spike		Spike		Spike		Spike		Total		Total		Total		Total
9	Feed Rate															
10	Heating Value															
11	Thermal Feedrate									190		193		189		191
12	Chlorine															
13	Antimony															
14	Arsenic	4090		4080		4670		4.28E+03								
15	Barium															
16	Beryllium															
17	Cadmium	1880		1960		1930		1.92E+03								
18	Chromium	12100		12100		11600		1.19E+04								
19	Lead	11000		11100		10900		1.10E+04								
20	Mercury															
21	Nickel															
22	Selenium															
23	Silver															
24	Thallium															
25																
26	Stack Gas Flowrate	60177		60595		58346		59706.0		60177		60595		58346		59706.0
27	Oxygen	7.37		7.1		7.5		7.3		7.37		7.1		7.5		7.3
28																
29	*Feedrate MTEC Calculations*															
30	Chlorine	0.0		0.0		0.0		0.0		1842781.4		1807932.2		1918075.8		1855322.7
31	Antimony	0.0		0.0		0.0		0.0		9243.1		6786.7		9601.9		8515.5
32	Arsenic	41113.8		39939.2		48883.5		43215.1		43595.7		42393.3		51559.0		45750.2
33	Barium	0.0		0.0		0.0		0.0		100522.7		90842.0		108653.3		99825.6
34	Beryllium	0.0		0.0		0.0		0.0		333.9		327.3		270.0		311.1
35	Cadmium	18898.3		19186.5		20202.4		19419.9		19641.1		19859.9		21013.6		20161.0
36	Chromium	121632.4		118447.0		121423.7		120490.8		153096.0		144808.8		157871.8		151808.3
37	Lead	110574.9		108658.0		114096.4		111066.9		122114.9		117154.9		126312.1		121779.8
38	Mercury	0.0		0.0		0.0		0.0		18.7		16.7		22.3		19.2
39	Nickel	0.0		0.0		0.0		0.0		12756.3		12813.8		14769.7		13425.6
40	Selenium	0.0		0.0		0.0		0.0		1094.7		683.3		1390.1		1048.4
41	Silver	0.0		0.0		0.0		0.0		275.4		333.8		287.9		299.5
42	Thallium	0.0		0.0		0.0		0.0		1000.9		548.3		916.3		818.3
43																
44	SVM	129473.2		127844.5		134298.8		130486.8		141756.0		137014.8		147325.7		141940.9
45	LVM	162746.2		158386.2		170307.2		163705.9		197025.6		187529.4		209700.7		197869.6
46																
47	**302C11**	R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg
48																
49	Feedstream Number	F3		F3		F3		F3		F4		F4		F4		F4
50	Feed Class	Spike		Spike		Spike		Spike		Total		Total		Total		Total
51	Feedstream Description	Spike		Spike		Spike		Spike		Total		Total		Total		Total
52	Feed Rate															
53	Thermal Feedrate	1		1		1		1		187		192		186		189

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
54	Chlorine		g/hr		4970		4620		2060		3883		107000		114000		118000		113000	
55																				
56	**302C12**				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg	
57																				
58	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2	
59	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Liq HW		Liq HW		Liq HW		Liq HW	
60	Feedstream Description				Raw Matl		Raw Matl		Raw Matl		Raw Matl		Liq Waste		Liq Waste		Liq Waste		Liq Waste	
61	Feed Rate		g/hr		74800000		75900000		75600000		75433333		7110000		6900000				7005000	
62	Thermal Feedrate		MMBtu/hr		0		0		0		0		185		182		186		184	
63	Chlorine		g/hr		4880		6090		4810		5260		182000		167000		184000		177667	

	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
54	Chlorine	46800		48200		48800		47933								
55																
56	**302C12**	R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg
57																
58	Feedstream Number	F3		F3		F3		F3		F4		F4		F4		F4
59	Feed Class	Spike		Spike		Spike		Spike		Total		Total		Total		Total
60	Feedstream Description	Spike		Spike		Spike		Spike		Total		Total		Total		Total
61	Feed Rate															
62	Thermal Feedrate									185		182		186		184
63	Chlorine															

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	**Feedstream 2**																				
2																					
3																					
4	**302C1**				R1		R2		R3		R4		R5		R6		R1		R2		R3
5																					
6	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2
7	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike
8	Feed Class 2				RM		RM		RM		RM		RM		RM		Spike		Spike		Spike
9	Feedstream Description				Raw material slur		Raw material slur		Raw material slurr		Raw material slurr		Raw material slu		Raw material slu		Spiked metals liq		Spiked metals liquic		Spiked metals
10	Feed Rate		lb/hr		156526		162698		161596		156526		163139		161155		14572		14793		14550
11	Heating Value		Btu/lb														12400		12300		11900
12	Thermal Feedrate		MMBtu/hr														181		182		173
13	Chlorine		lb/hr		31		16		32		63		33		16		452		444		378
14	Antimony		lb/hr							nd	15.30	nd	13.40	nd	15.70						
15	Arsenic		lb/hr								0.69		0.62		0.75						
16	Barium		lb/hr								29.80		26.10		27.30						
17	Beryllium		lb/hr								0.06		0.05		0.05						
18	Cadmium		lb/hr							nd	0.15	nd	0.13	nd	0.14						
19	Chromium		lb/hr								7.98		4.74		5.16						
20	Lead		lb/hr								0.17		0.17		0.08						
21	Mercury		lb/hr							nd	0.00	nd	0.00	nd	0.00						
22	Silver		lb/hr							nd	6.81	nd	5.95	nd	6.99						
23	Thallium		lb/hr							nd	0.77	nd	0.66	nd	0.82						
24																					
25	Stack Gas Flowrate		dscfm		43971		45558		43375		42915		45006		44818		43971		45558		43375
26	Oxygen		%		7		7		7		7		7		7.5		7		7		7
27																					
28	*Feedrate MTEC Calculations*																				
29	Chlorine		ug/dscm		190325		95662		199105		390017		193671		99606		2748465		2605772		2330078
30	Antimony		ug/dscm							100	95324	100	79607	100	97131						
31	Arsenic		ug/dscm								4286		3677		4640						
32	Barium		ug/dscm								185663		155056		168897						
33	Beryllium		ug/dscm								371		275		314						
34	Cadmium		ug/dscm							100	959	100	796	100	885						
35	Chromium		ug/dscm								49718		28160		31923						
36	Lead		ug/dscm								1059		1022		518						
37	Mercury		ug/dscm							100	15	100	13	100	16						
38	Silver		ug/dscm							100	42428	100	35348	100	43245						
39	Thallium		ug/dscm							100	4810	100	3927	100	5048						
40	SVM		ug/dscm							48	2019	44	1818	63	1403						
41	LVM		ug/dscm								54375		32112		36877						
42																					
43																					
44	**302C2**																				
45																					
46	Feedrate																				
47	Heating value																				
48																					
49	**302C3**				R1		R2		R3		R4		R5		R6		R1		R2		R3
50																					
51	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2
52	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike
53	Feed Class 2				RM		RM		RM		RM		RM		RM						

	B	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1	**Feedstream 2**																														
2																															
3																															
4	**302C1**		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6
5																															
6	Feedstream Numbe		F2		F2		F2		F3		F3		F3		F3		F3		F3		F4		F4		F4		F4		F4		F4
7	Feed Class		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Coal		Coal		Coal		Coal		Coal		Coal
8	Feed Class 2		Spike		Spike		Spike														Coal		Coal		Coal		Coal		Coal		Coal
9	Feedstream Descriliqu		Spiked metal:		Spiked metal:		Spiked metal:		Solid contai		Solid contai		Solid contai		Solid contai		Solid contai		Solid conta		Coal		Coal		Coal		Coal		Coal		Coal
10	Feed Rate		14528		15146		15057		359		359		359		359		359		359												
11	Heating Value		12100		12100		12100																								
12	Thermal Feedrate		176		183		182																								
13	Chlorine		407		414		422																								
14	Antimony		15.6		13.8		16																								
15	Arsenic		7.93		7		8.16																								
16	Barium		45.9		47.5		48.6																								
17	Beryllium		0.545		0.529		0.578																								
18	Cadmium		4.49		4.55		5.17																								
19	Chromium		27		24.5		24.9																								
20	Lead		57.6		68.6		64.2																								
21	Mercury		0.00882		0.00772		0.00838																								
22	Silver		7		6.03		7.39																								
23	Thallium		1.05		0.966		1.11																								
24																															
25	Stack Gas Flowrate		42915		45006		44818		43971		45558		43375		42915		45006		44818		43971		45558		43375		42915		45006		44818
26	Oxygen		7		7		7.5		7		7		7		7		7		7.5		7		7		7		7		7		7.5
27																															
28	*Feedrate MTEC Ca*																														
29	Chlorine		2535733		2459507		2610793		0		0		0		0		0		0		0		0		0		0		0		0
30	Antimony		97193		81984		98987								0		0		0								0		0		0
31	Arsenic		49406		41586		50484								0		0		0								0		0		0
32	Barium		285971		282190		300674								0		0		0								0		0		0
33	Beryllium		3396		3143		3576								0		0		0								0		0		0
34	Cadmium		27974		27031		31985								0		0		0								0		0		0
35	Chromium		168218		145551		154049								0		0		0								0		0		0
36	Lead		358865		407542		397187								0		0		0								0		0		0
37	Mercury		55		46		52								0		0		0								0		0		0
38	Silver		43612		35823		45720								0		0		0								0		0		0
39	Thallium		6542		5739		6867								0		0		0								0		0		0
40	SVM		386839		434572		429172								0		0		0								0		0		0
41	LVM		221020		190279		208109								0		0		0								0		0		0
42																															
43																															
44	**302C2**																														
45																															
46	Feedrate																														
47	Heating value																														
48																															
49	**302C3**		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6
50																															
51	Feedstream Numbe		F2		F2		F2		F3		F3		F3		F3		F3		F3		F4		F4		F4		F4		F4		F4
52	Feed Class		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Coal		Coal		Coal		Coal		Coal		Coal
53	Feed Class 2																														

	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU
1	**Feedstream 2**																					
2																						
3																						
4	**302C1**		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
5																						
6	Feedstream Numbe		F5		F5		F5		F5		F5		F5		F6		F6		F6		F6	
7	Feed Class		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Spike		Spike		Spike		Spike	
8	Feed Class 2		HW		HW		HW		HW		HW		HW									
9	Feedstream Descri		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Metals spike		Metals spike		Metals spike		Metals spike	
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 Flowrate		43971		45558		43375		42915		45006		44818		43971		45558		43375		42915	
26	Oxygen		7		7		7		7		7		7.5		7		7		7		7	
27																						
28	*Feedrate MTEC Ca*																					
29	Chlorine		0		0		0		0		0		0		0		0		0		0	
30	Antimony								0		0		0								0	
31	Arsenic								0		0		0								0	
32	Barium								0		0		0								0	
33	Beryllium								0		0		0								0	
34	Cadmium								0		0		0								0	
35	Chromium								0		0		0								0	
36	Lead								0		0		0								0	
37	Mercury								0		0		0								0	
38	Silver								0		0		0								0	
39	Thallium								0		0		0								0	
40	SVM								0		0		0								0	
41	LVM								0		0		0								0	
42									0		0		0									
43																						
44	**302C2**																					
45																						
46	Feedrate		12015.07		11221.41		11508.012															
47	Heating value		10986.2032		10961.19		10948.89369															
48																						
49	**302C3**		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
50																						
51	Feedstream Numbe		F5		F5		F5		F5		F5		F5		F6		F6		F6		F6	
52	Feed Class		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Spike		Spike		Spike		Spike	
53	Feed Class 2		HW		HW		HW		HW		HW		HW		Spike		Spike		Spike		Spike	

	B	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
1	**Feedstream 2**																	
2																		
3																		
4	**302C1**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg
5																		
6	Feedstream Numbe	F6		F6		F7		F7		F7		F7		F7		F7		F7
7	Feed Class	Spike		Spike		Total		Total		Total		Total		Total		Total		Total
8	Feed Class 2					Total		Total		Total		Total		Total		Total		Total
9	Feedstream Descri	Metals spike		Metals spike		Total		Total		Total		Total		Total		Total		Total
10	Feed Rate																	
11	Heating Value																	
12	Thermal Feedrate					181		182		173		176		183		182		180
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 Flowrate	45006		44818														
26	Oxygen	7		7.5														
27																		
28	*Feedrate MTEC Ca*																	
29	Chlorine	0		0		2938790		2701435		2529183		2925749		2653179		2710399		2743122
30	Antimony	0		0							50	192516	49	161591	50	196119	49	183409
31	Arsenic	0		0								53693		45263		55124		51360
32	Barium	0		0								471634		437246		469572		459484
33	Beryllium	0		0								3766		3418		3890		3691
34	Cadmium	0		0							3	28934	3	27827	3	32870	3	29877
35	Chromium	0		0								217936		173710		185973		192540
36	Lead	0		0								359925		408563		397705		388731
37	Mercury	0		0							22	70	22	59	24	68	23	66
38	Silver	0		0							49	86040	50	71171	49	88965	49	82059
39	Thallium	0		0							42	11352	41	9666	42	11916	42	10978
40	SVM	0		0							0	388858	0	436390	0	430575	0	418608
41	LVM	0		0								275395		222391		244986		247591
42																		
43																		
44	**302C2**																	
45																		
46	Feedrate																	
47	Heating value																	
48																		
49	**302C3**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg
50																		
51	Feedstream Numbe	F6		F6		F7		F7		F7		F7		F7		F7		F7
52	Feed Class	Spike		Spike		Total		Total		Total		Total		Total		Total		Total
53	Feed Class 2	Spike		Spike		Total		Total		Total		Total		Total		Total		Total

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
54	Feedstream Description				Raw material slur		Raw material slur		Raw material slurry		Raw material slurr		Raw material slu		Raw material slu		Spiked metals liq		Spiked metals liquic		Spiked metals
55	Feed Rate		lb/hr		151896.94		155644.76		155865.22												
56	Heating Value		Btu/lb																		
57	Thermal Feedrate		MMBtu/hr																		
58	Chlorine		lb/hr	nd	0.00		16.51		16.83												
59	Antimony		lb/hr		0.70		0.48		0.39												
60	Arsenic		lb/hr		1.21		0.56		0.75												
61	Barium		lb/hr		23.25		28.42		33.34												
62	Beryllium		lb/hr		0.29		0.21		0.25												
63	Cadmium		lb/hr	nd	0.00	nd	0.00	nd	0.00												
64	Chromium		lb/hr		4.86		3.19		3.90												
65	Lead		lb/hr	nd	0.00	nd	0.00	nd	0.00												
66	Mercury		lb/hr	nd	0.07	nd	0.08	nd	0.08												
67	Silver		lb/hr		0.41		0.38		0.44												
68	Thallium		lb/hr	nd	0.07	nd	0.08		0.08												
69																					
70	Stack Gas Flowrate		dscfm		41624		41705		44042								41624		41705		44042
71	Oxygen		%		10.27		10.4		10.3								10.27		10.4		10.3
72																					
73	Chlorine		ug/dscm	100	0		139762		133666								0		0		0
74	Antimony		ug/dscm		5857		4088		3100								0		0		0
75	Arsenic		ug/dscm		10181		4741		5936								0		0		0
76	Barium		ug/dscm		194822		240622		264845								0		0		0
77	Beryllium		ug/dscm		2420		1773		1979								0		0		0
78	Cadmium		ug/dscm	100	0	100	0	100	0								0		0		0
79	Chromium		ug/dscm		40742		27030		30943								0		0		0
80	Lead		ug/dscm	100	0	100	0	100	0								0		0		0
81	Mercury		ug/dscm	100	628	100	653	100	613								0		0		0
82	Silver		ug/dscm		3437		3229		3467								0		0		0
83	Thallium		ug/dscm	100	628	100	653		613								0		0		0
84	SVM		ug/dscm		0		0		0								0		0		0
85	LVM		ug/dscm		53343		33545		38858								0		0		0
86																					
87	**302C4**				R1		R2		R3		R4		R5		R6		R1		R2		R3
88																					
89	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2
90	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike
91	Feedstream Description				Raw material slur		Raw material slur		Raw material slurry		Raw material slurr		Raw material slu		Raw material slu		Spiked metals liq		Spiked metals liquic		Spiked metals
92	Feed Rate		lb/hr		150132		141534		146825												
93	Heating Value		Btu/lb																		
94	Chlorine		lb/hr	nd	0	nd	0	nd	0												
95	Antimony		lb/hr		0.450		0.227		0.265												
96	Arsenic		lb/hr		0.752		0.509		0.265												
97	Barium		lb/hr		32.745		29.002		30.549												
98	Beryllium		lb/hr		0.256		0.227		0.265												
99	Cadmium		lb/hr	nd	0.000		0.112	nd	0.000												
100	Chromium		lb/hr		4.356		3.821		3.818												
101	Lead		lb/hr	nd	0.000		0.425	nd	0.000												
102	Mercury		lb/hr		0.075		0.071		0.073												
103	Silver		lb/hr		0.406		0.256		0.337												
104	Thallium		lb/hr		0.075		0.071		0.073												

	B	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
54	Feedstream Descriliqu		Spiked metal:		Spiked metal:		Spiked metal:		Solid contai		Solid contai		Solid contai		Solid contai		Solid contai		Solid conta		Coal		Coal		Coal		Coal		Coal		Coal
55	Feed Rate																														
56	Heating Value																														
57	Thermal Feedrate																														
58	Chlorine																														
59	Antimony																														
60	Arsenic																														
61	Barium																														
62	Beryllium																														
63	Cadmium																														
64	Chromium																														
65	Lead																														
66	Mercury																														
67	Silver																														
68	Thallium																														
69																															
70	Stack Gas Flowrate								41624		41705		44042								41624		41705		44042						
71	Oxygen								10.27		10.4		10.3								10.27		10.4		10.3						
72																															
73	Chlorine								0		0		0								0		0		0						
74	Antimony								0		0		0								0		0		0						
75	Arsenic								0		0		0								0		0		0						
76	Barium								0		0		0								0		0		0						
77	Beryllium								0		0		0								0		0		0						
78	Cadmium								0		0		0								0		0		0						
79	Chromium								0		0		0								0		0		0						
80	Lead								0		0		0								0		0		0						
81	Mercury								0		0		0								0		0		0						
82	Silver								0		0		0								0		0		0						
83	Thallium								0		0		0								0		0		0						
84	SVM								0		0		0								0		0		0						
85	LVM								0		0		0								0		0		0						
86																															
87	**302C4**		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6
88																															
89	Feedstream Numbe		F2		F2		F2		F3		F3		F3		F3		F3		F3		F4		F4		F4		F4		F4		F4
90	Feed Class		Spike		Spike		Spike		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Coal		Coal		Coal		Coal		Coal		Coal
91	Feedstream Descriliqu		Spiked metal:		Spiked metal:		Spiked metal:		Solid contai		Solid contai		Solid contai		Solid contai		Solid contai		Solid conta		Coal		Coal		Coal		Coal		Coal		Coal
92	Feed Rate																														
93	Heating Value																														
94	Chlorine																														
95	Antimony																														
96	Arsenic																														
97	Barium																														
98	Beryllium																														
99	Cadmium																														
100	Chromium																														
101	Lead																														
102	Mercury																														
103	Silver																														
104	Thallium																														

	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU
54	Feedstream Descri		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Metals spike		Metals spike		Metals spike		Metals spike	
55	Feed Rate		12301.668		11772.56		12081.208								43.43062		42.085814		41.380342			
56	Heating Value		12611		12466		16055								0		0		0			
57	Thermal Feedrate		155.1		146.8		194.0															
58	Chlorine		226.306599		231.364		331.0140762															
59	Antimony		0.0970024		0.3		0.2270738															
60	Arsenic		0.0308644		0.030864	nd	0								5.8951004		5.6812542		5.3858378			
61	Barium		2.3765588		7.129676		7.1583362															
62	Beryllium		0.0088184		0.008818		0.0088184															
63	Cadmium		0.0617288		0.090389		0.0859794								1.9775262		1.9598894		1.918002			
64	Chromium		0.319667		1.000888		0.9788424								13.3753082		10.055181		12.1230954			
65	Lead		0.628311		1.410944		1.521174								23.1328678		24.400513		22.5552626			
66	Mercury	nd	0.00617288	nd	0.005952	nd	0.00595242															
67	Silver		0.02821888		0.016535		0.0132276															
68	Thallium	nd	0.00617288		0.005952		0.00595242															
69																						
70	Stack Gas Flowrate		41624		41705		44042								41624		41705		44042			
71	Oxygen		10.27		10.4		10.3								10.27		10.4		10.3			
72																						
73	Chlorine		1896705		1959061		2629310								0		0		0			
74	Antimony		813		2540		1804								0		0		0			
75	Arsenic		259		261	100	0								49408		48106		42781			
76	Barium		19918		60370		56860								0		0		0			
77	Beryllium		74		75		70								0		0		0			
78	Cadmium		517		765		683								16574		16595		15235			
79	Chromium		2679		8475		7775								112100		85142		96296			
80	Lead		5266		11947		12083								193880		206610		179161			
81	Mercury	##	52	100	50	100	47								0		0		0			
82	Silver		237		140		105								0		0		0			
83	Thallium	##	52		50		47								0		0		0			
84	SVM		5783		12712		12766								210454		223205		194396			
85	LVM		3012		8811		7845								161508		133247		139077			
86																						
87	**302C4**		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
88																						
89	Feedstream Numbe		F5		F5		F5		F5		F5		F5		F6		F6		F6		F6	
90	Feed Class		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Spike		Spike		Spike		Spike	
91	Feedstream Descri		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Liquid waste		Metals spike		Metals spike		Metals spike		Metals spike	
92	Feed Rate		11949		11706		12169															
93	Heating Value		12142		11848		14031															
94	Chlorine		270		274		310															
95	Antimony		0.351		0.174		0.130															
96	Arsenic	nd	0.000	nd	0.000	nd	0.000															
97	Barium		5.635		3.898		3.593															
98	Beryllium		0.004		0.004		0.007															
99	Cadmium		0.062		0.046		0.051															
100	Chromium		0.836		0.562		0.549															
101	Lead		1.279		0.736		1.085															
102	Mercury		0.006		0.006		0.006															
103	Silver		0.015		0.006		0.006															
104	Thallium		0.006		0.006		0.006															

	B	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
54	Feedstream Descri	Metals spike		Metals spike		Total		Total		Total		Total		Total		Total		Total
55	Feed Rate																	
56	Heating Value																	
57	Thermal Feedrate					155.1		146.8		194.0								165.3
58	Chlorine																	
59	Antimony																	
60	Arsenic																	
61	Barium																	
62	Beryllium																	
63	Cadmium																	
64	Chromium																	
65	Lead																	
66	Mercury																	
67	Silver																	
68	Thallium																	
69																		
70	Stack Gas Flowrate																	
71	Oxygen																	
72																		
73	Chlorine					1896705		2098823		2762976								2252835
74	Antimony					6670		6628		4903								6067
75	Arsenic					59847		53109		48717								53891
76	Barium					214740		300992		321705								279146
77	Beryllium					2494		1848		2049								2130
78	Cadmium					17091		17361		15918								16790
79	Chromium					155521		120647		135014								137061
80	Lead					199146		218557		191244								202982
81	Mercury				100	680	100	704	100	660							##	681
82	Silver					3673		3369		3572								3538
83	Thallium				100	680	93	704		660							65	681
84	SVM					216237		235918		207162								219772
85	LVM					217863		175603		185780								193082
86																		
87	**302C4**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg
88																		
89	Feedstream Numbe	F6		F6		F7		F7		F7		F7		F7		F7		F7
90	Feed Class	Spike		Spike		Total		Total		Total		Total		Total		Total		Total
91	Feedstream Descri	Metals spike		Metals spike		Total		Total		Total		Total		Total		Total		Total
92	Feed Rate																	
93	Heating Value																	
94	Chlorine																	
95	Antimony																	
96	Arsenic																	
97	Barium																	
98	Beryllium																	
99	Cadmium																	
100	Chromium																	
101	Lead																	
102	Mercury																	
103	Silver																	
104	Thallium																	

	B	C	D	E	F	G	H
1	**Process Information 1**						
2				1	2	3	Cond Avg
3	**302C10**		CoC, high temp				
4							
5	FF Pressure Drop	in H2O		6.71	6.71	6.71	
6	FF Inlet Temp	F		358	359	392	369.7
7	Burning Zone Temp	F		2967	2992	2963	
8	Mid Kiln Bypass Flow	%		11.7	11.4	11.1	
9							
10	**302C11**		CoC, low temp				
11							
12	FF Pressure Drop	in H2O		6.69	6.71	6.8	
13	FF Inlet Temp	F		397	411	404	404.0
14	Burning Zone Temp	F		1895	1835	1847	
15	Mid Kiln Bypass	%		11.6	10.9	11.9	
16							
17	**302C12**		Risk Burn				
18							
19	FF Pressure Drop	in H2O		7.1	6.92	6.92	
20	FF Inlet Temp	F		414	401	395	403.3
21	Burning Zone Temp	F		2483	2635	2729	
22	Mid Kiln Bypass	%		12.1	11.2	11	

	C	D	E	F	G	H	I	J
1	**Process Information 2**							
2								
3	Note: Old ESP performance. ESP has been removed and replaced with FF.							
4								
5	**302C1**		1	2	3	4	5	6
6								
7	Combustion Temperature	F	1625	1717	1702	1699	1723	1781
8	ESP Temperature	F	421	408	429	445	429	432
9	ESP Power	kVA	126	127	118	116	114	117
10								
11	**302C2**							
12								
13	Combustion Temperature	F	1490	1620	1646			
14	ESP Temperature	F	403	403	395			
15								
16	**302C3**							
17								
18	Combustion Temperature	F	2959	2972	2944			
19	ESP Temperature	F	390	379	375			
20	ESP Power	kVA	119	120	119			
21								
22	**302C4**							
23								
24	Combustion Temperature	F	2380	2591	2468			
25	ESP Temperature	F	365	383	382			
26	ESP Power	kVA	120	121	124			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**PCDD/PCDF**																	
2	N																	
3	Facility Name and ID:		Lafarge, Paulding, OH															
4	Condition ID:		302C10															
5	Condition/Test Date:		CoC burn, high temp, May 1998															
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 (ng)																	
11		2,3,7,8-TCDD	1		0.19	0.1900	0.190	0.1900		0.15	0.1500	0.150	0.1500		0.16	0.1600	0.160	0.1600
12		TCDD Total	0		12	0.0000	12.000	0.0000		7	0.0000	7.000	0.0000		9.2	0.0000	9.200	0.0000
13		1,2,3,7,8-PCDD	0.5		0.19	0.0950	0.190	0.0950		0.11	0.0550	0.110	0.0550		0.15	0.0750	0.150	0.0750
14		PCDD Total	0		6.6	0.0000	6.600	0.0000		3.7	0.0000	3.700	0.0000		4.9	0.0000	4.900	0.0000
15		1,2,3,4,7,8-HxCDD	0.1		0.14	0.0140	0.140	0.0140		0.06	0.0060	0.060	0.0060		0.09	0.0090	0.090	0.0090
16		1,2,3,6,7,8-HxCDD	0.1		0.08	0.0080	0.080	0.0080		0.04	0.0040	0.040	0.0040		0.06	0.0060	0.060	0.0060
17		1,2,3,7,8,9-HxCDD	0.1		0.04	0.0040	0.040	0.0040		0.02	0.0020	0.020	0.0020		0.03	0.0030	0.030	0.0030
18		HxCDD Total	0		4.6	0.0000	4.600	0.0000		2.7	0.0000	2.700	0.0000		3.3	0.0000	3.300	0.0000
19		1,2,3,4,6,7,8-HpCDD	0.01		0.07	0.0007	0.070	0.0007		0.06	0.0006	0.060	0.0006		0.05	0.0005	0.050	0.0005
20		HpCDD Total	0		0.15	0.0000	0.150	0.0000		0.13	0.0000	0.130	0.0000		0.12	0.0000	0.120	0.0000
21		OCDD	0.001		0.04	0.0000	0.040	0.0000		0.05	0.0001	0.050	0.0001		0.04	0.0000	0.040	0.0000
22		2,3,7,8-TCDF	0.1		0.73	0.0730	0.730	0.0730		0.43	0.0430	0.430	0.0430		0.65	0.0650	0.650	0.0650
23		TCDF Total	0		33	0.0000	33.000	0.0000		18	0.0000	18.000	0.0000		30	0.0000	30.000	0.0000
24		1,2,3,7,8-PCDF	0.05		0.28	0.0140	0.280	0.0140		0.14	0.0070	0.140	0.0070		0.24	0.0120	0.240	0.0120
25		2,3,4,7,8-PCDF	0.5		0.53	0.2650	0.530	0.2650		0.21	0.1050	0.210	0.1050		0.42	0.2100	0.420	0.2100
26		PCDF Total	0		7	0.0000	7.000	0.0000		3.1	0.0000	3.100	0.0000		5.7	0.0000	5.700	0.0000
27		1,2,3,4,7,8-HxCDF	0.1		0.08	0.0080	0.080	0.0080		0.04	0.0040	0.040	0.0040		0.06	0.0060	0.060	0.0060
28		1,2,3,6,7,8-HxCDF	0.1		0.09	0.0090	0.090	0.0090		0.04	0.0040	0.040	0.0040		0.08	0.0080	0.080	0.0080
29		2,3,4,6,7,8-HxCDF	0.1		0.07	0.0070	0.070	0.0070		0.03	0.0030	0.030	0.0030		0.06	0.0060	0.060	0.0060
30		1,2,3,7,8,9-HxCDF	0.1		0.03	0.0030	0.030	0.0030		0.01	0.0010	0.010	0.0010		0.02	0.0020	0.020	0.0020
31		HxCDF Total	0		0.83	0.0000	0.830	0.0000		0.34	0.0000	0.340	0.0000		0.65	0.0000	0.650	0.0000
32		1,2,3,4,6,7,8-HpCDF	0.01		0.03	0.0003	0.030	0.0003		0.02	0.0002	0.020	0.0002		0.02	0.0002	0.020	0.0002
33		1,2,3,4,7,8,9-HpCDF	0.01	nd	0.005	0.0001	0.003	0.0000	nd	0.004	0.0000	0.002	0.0000	nd	0.005	0.0001	0.003	0.0000
34		HpCDF Total	0		0.03	0.0000	0.030	0.0000		0.02	0.0000	0.020	0.0000		0.02	0.0000	0.020	0.0000
35		OCDF	0.001	nd	0.005	0.0000	0.003	0.0000	nd	0.009	0.0000	0.005	0.0000	nd	0.008	0.0000	0.004	0.0000
36																		
37		Gas sample volume (dscf)				145.97	145.97	145.97			147.88	147.88	147.88			150.60	150.60	150.60
38		O2 (%)				7.37	7.37	7.37			7.1	7.1	7.1			7.50	7.5	7.50
39																		
40		PCDD/PCDF (ng in sample)				0.691	64.253	0.691			0.385	35.045	0.385			0.563	53.934	0.563
41		PCDD/PCDF (ng/dscm @ 7% O2)		0.0		0.172	15.976	0.172	0.0		0.093	8.434	0.093	0.0		0.137	13.123	0.137
42																		
43		TEQ Cond Avg	0.134															
44		Total Cond Avg	12.511															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**PCDD/PCDF**																	
2	N																	
3	Facility Name and ID:		Lafarge, Paulding, OH															
4	Condition ID:		302C11															
5	Condition/Test Date:		CoC burn, low temp, May 1998															
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 (ng)																	
11		2,3,7,8-TCDD	1		0.24	0.2400	0.240	0.2400		0.23	0.2300	0.230	0.2300		0.26	0.2600	0.260	0.2600
12		TCDD Total	0		15	0.0000	15.000	0.0000		14	0.0000	14.000	0.0000		2.2	0.0000	2.200	0.0000
13		1,2,3,7,8-PCDD	0.5		0.31	0.1550	0.310	0.1550		0.3	0.1500	0.300	0.1500		0.38	0.1900	0.380	0.1900
14		PCDD Total	0		7.8	0.0000	7.800	0.0000		8.9	0.0000	8.900	0.0000		14	0.0000	14.000	0.0000
15		1,2,3,4,7,8-HxCDD	0.1		0.12	0.0120	0.120	0.0120		0.18	0.0180	0.180	0.0180		0.25	0.0250	0.250	0.0250
16		1,2,3,6,7,8-HxCDD	0.1		0.13	0.0130	0.130	0.0130		0.12	0.0120	0.120	0.0120		0.19	0.0190	0.190	0.0190
17		1,2,3,7,8,9-HxCDD	0.1		0.06	0.0060	0.060	0.0060		0.09	0.0090	0.090	0.0090		0.09	0.0090	0.090	0.0090
18		HxCDD Total	0		14	0.0000	14.000	0.0000		17	0.0000	17.000	0.0000		16	0.0000	16.000	0.0000
19		1,2,3,4,6,7,8-HpCDD	0.01		0.34	0.0034	0.340	0.0034		0.39	0.0039	0.390	0.0039		0.37	0.0037	0.370	0.0037
20		HpCDD Total	0		0.78	0.0000	0.780	0.0000		0.88	0.0000	0.880	0.0000		0.86	0.0000	0.860	0.0000
21		OCDD	0.001		0.15	0.0002	0.150	0.0002		0.17	0.0002	0.170	0.0002		0.13	0.0001	0.130	0.0001
22		2,3,7,8-TCDF	0.1		1.1	0.1100	1.100	0.1100		1.1	0.1100	1.100	0.1100		1.3	0.1300	1.300	0.1300
23		TCDF Total	0		38	0.0000	38.000	0.0000		41	0.0000	41.000	0.0000		50	0.0000	50.000	0.0000
24		1,2,3,7,8-PCDF	0.05		0.39	0.0195	0.390	0.0195		0.4	0.0200	0.400	0.0200		0.51	0.0255	0.510	0.0255
25		2,3,4,7,8-PCDF	0.5		0.73	0.3650	0.730	0.3650		0.78	0.3900	0.780	0.3900		1	0.5000	1.000	0.5000
26		PCDF Total	0		9.1	0.0000	9.100	0.0000		9.8	0.0000	9.800	0.0000		12	0.0000	12.000	0.0000
27		1,2,3,4,7,8-HxCDF	0.1		0.18	0.0180	0.180	0.0180		0.19	0.0190	0.190	0.0190		0.18	0.0180	0.180	0.0180
28		1,2,3,6,7,8-HxCDF	0.1		0.14	0.0140	0.140	0.0140		0.16	0.0160	0.160	0.0160		0.17	0.0170	0.170	0.0170
29		2,3,4,6,7,8-HxCDF	0.1		0.15	0.0150	0.150	0.0150		0.15	0.0150	0.150	0.0150		0.15	0.0150	0.150	0.0150
30		1,2,3,7,8,9-HxCDF	0.1		0.04	0.0040	0.040	0.0040		0.05	0.0050	0.050	0.0050		0.05	0.0050	0.050	0.0050
31		HxCDF Total	0		1.5	0.0000	1.500	0.0000		1.6	0.0000	1.600	0.0000		1.7	0.0000	1.700	0.0000
32		1,2,3,4,6,7,8-HpCDF	0.01		0.07	0.0007	0.070	0.0007		0.08	0.0008	0.080	0.0008		0.07	0.0007	0.070	0.0007
33		1,2,3,4,7,8,9-HpCDF	0.01		0.01	0.0001	0.010	0.0001		0.02	0.0002	0.020	0.0002		0.01	0.0001	0.010	0.0001
34		HpCDF Total	0		0.12	0.0000	0.120	0.0000		0.13	0.0000	0.130	0.0000		0.09	0.0000	0.090	0.0000
35		OCDF	0.001		0.01	0.0000	0.010	0.0000		0.01	0.0000	0.010	0.0000	nd	0.009	0.0000	0.005	0.0000
36																		
37		Gas sample volume (dscf)				138.80	138.80	138.80			141.98	141.98	141.98			140.78	140.78	140.78
38		O2 (%)				6.70	6.70	6.70			6.6	6.6	6.6			6.84	6.8	6.84
39																		
40		PCDD/PCDF (ng in sample)				0.976	86.460	0.976			0.999	93.490	0.999			1.218	96.985	1.218
41		PCDD/PCDF (ng/dscm @ 7% O2)		0.0		0.243	21.549	0.243	0.0		0.242	22.621	0.242	0.0		0.302	24.068	0.302
42																		
43		TEQ Cond Avg	0.262															
44		Total Cond Avg	22.746															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		**PCDD/PCDF**																
2		N																
3		Facility Name and ID:	Lafarge, Paulding, OH															
4		Condition ID:	302C12															
5		Condition/Test Date:	Risk burn, normal operations, May 1998															
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 (ng)																
11		2,3,7,8-TCDD	1		0.17	0.1700	0.170	0.1700		0.27	0.2700	0.270	0.2700		0.22	0.2200	0.220	0.2200
12		TCDD Total	0		16	0.0000	16.000	0.0000		26	0.0000	26.000	0.0000		17	0.0000	17.000	0.0000
13		1,2,3,7,8-PCDD	0.5		0.34	0.1700	0.340	0.1700		0.5	0.2500	0.500	0.2500		0.31	0.1550	0.310	0.1550
14		PCDD Total	0		12	0.0000	12.000	0.0000		18	0.0000	18.000	0.0000		14	0.0000	14.000	0.0000
15		1,2,3,4,7,8-HxCDD	0.1		0.14	0.0140	0.140	0.0140		0.4	0.0400	0.400	0.0400		0.22	0.0220	0.220	0.0220
16		1,2,3,6,7,8-HxCDD	0.1		0.19	0.0190	0.190	0.0190		0.34	0.0340	0.340	0.0340		0.2	0.0200	0.200	0.0200
17		1,2,3,7,8,9-HxCDD	0.1		0.1	0.0100	0.100	0.0100		0.2	0.0200	0.200	0.0200		0.11	0.0110	0.110	0.0110
18		HxCDD Total	0		27	0.0000	27.000	0.0000		29	0.0000	29.000	0.0000		22	0.0000	22.000	0.0000
19		1,2,3,4,6,7,8-HpCDD	0.01		0.93	0.0093	0.930	0.0093		1.11	0.0111	1.110	0.0111		0.55	0.0055	0.550	0.0055
20		HpCDD Total	0		2.1	0.0000	2.100	0.0000		2.41	0.0000	2.410	0.0000		1.3	0.0000	1.300	0.0000
21		OCDD	0.001		0.3	0.0003	0.300	0.0003		0.31	0.0003	0.310	0.0003		0.2	0.0002	0.200	0.0002
22		2,3,7,8-TCDF	0.1		0.71	0.0710	0.710	0.0710		1.3	0.1300	1.300	0.1300		1.1	0.1100	1.100	0.1100
23		TCDF Total	0		27	0.0000	27.000	0.0000		52	0.0000	52.000	0.0000		40	0.0000	40.000	0.0000
24		1,2,3,7,8-PCDF	0.05		0.26	0.0130	0.260	0.0130		0.49	0.0245	0.490	0.0245		0.41	0.0205	0.410	0.0205
25		2,3,4,7,8-PCDF	0.5		0.59	0.2950	0.590	0.2950		1.2	0.6000	1.200	0.6000		0.95	0.4750	0.950	0.4750
26		PCDF Total	0		6.1	0.0000	6.100	0.0000		13	0.0000	13.000	0.0000		10	0.0000	10.000	0.0000
27		1,2,3,4,7,8-HxCDF	0.1		0.1	0.0100	0.100	0.0100		0.19	0.0190	0.190	0.0190		0.16	0.0160	0.160	0.0160
28		1,2,3,6,7,8-HxCDF	0.1		0.11	0.0110	0.110	0.0110		0.2	0.0200	0.200	0.0200		0.15	0.0150	0.150	0.0150
29		2,3,4,6,7,8-HxCDF	0.1		0.09	0.0090	0.090	0.0090		0.18	0.0180	0.180	0.0180		0.14	0.0140	0.140	0.0140
30		1,2,3,7,8,9-HxCDF	0.1		0.04	0.0040	0.040	0.0040		0.07	0.0070	0.070	0.0070		0.05	0.0050	0.050	0.0050
31		HxCDF Total	0		0.95	0.0000	0.950	0.0000		1.7	0.0000	1.700	0.0000		1.5	0.0000	1.500	0.0000
32		1,2,3,4,6,7,8-HpCDF	0.01		0.06	0.0006	0.060	0.0006		0.09	0.0009	0.090	0.0009		0.07	0.0007	0.070	0.0007
33		1,2,3,4,7,8,9-HpCDF	0.01		0.02	0.0002	0.020	0.0002		0.02	0.0002	0.020	0.0002		0.02	0.0002	0.020	0.0002
34		HpCDF Total	0		0.1	0.0000	0.100	0.0000		0.13	0.0000	0.130	0.0000		0.13	0.0000	0.130	0.0000
35		OCDF	0.001		0.01	0.0000	0.010	0.0000		0.02	0.0000	0.020	0.0000		0.02	0.0000	0.020	0.0000
36																		
37		Gas sample volume (dscf)				152.58	152.58	152.58			147.77	147.77	147.77			141.98	141.98	141.98
38		O2 (%)				7.60	7.60	7.60			7.3	7.3	7.3			7.00	7.0	7.00
39																		
40		PCDD/PCDF (ng in sample)				0.806	91.560	0.806			1.445	142.570	1.445			1.090	106.150	1.090
41		PCDD/PCDF (ng/dscm @ 7% O2)		0.0		0.195	22.154	0.195	0.0		0.353	34.838	0.353	0.0		0.271	26.419	0.271
42																		
43		TEQ Cond Avg	0.273															
44		Total Cond Avg	27.803															

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**302C5**	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		0.0206	0.0206	0.0206		0.0191	0.0191	0.0191		0.0391	0.0391	0.0391
6	4D Other	0		1.7607	1.7607	0.0000		4.9835	4.9835	0.0000		18.7752	18.7752	0.0000
7	4D Total	0		1.7812	1.7812	0.0000		5.0027	5.0027	0.0000		18.8144	18.8144	0.0000
8	5D 12378	0.5	2	0.0069	0.0069	0.0034		0.0223	0.0223	0.0112		0.0880	0.0880	0.0440
9	5D Other	0		0.9180	0.9180	0.0000		1.8258	1.8258	0.0000		14.9765	14.9765	0.0000
10	5D Total	0		0.9249	0.9249	0.0000		1.8481	1.8481	0.0000		15.0645	15.0645	0.0000
11	6D 123478	0.1		0.0103	0.0103	0.0010		0.0319	0.0319	0.0032		0.1206	0.1206	0.0121
12	6D 123678	0.1		0.0171	0.0171	0.0017		0.0446	0.0446	0.0045		0.1728	0.1728	0.0173
13	6D 123789	0.1		0.0069	0.0069	0.0007		0.0255	0.0255	0.0025		0.1109	0.1109	0.0111
14	6D Other	0		2.3636	2.3636	0.0000		4.9963	4.9963	0.0000		25.5184	25.5184	0.0000
15	6D Total	0		2.3978	2.3978	0.0000		5.0983	5.0983	0.0000		25.9228	25.9228	0.0000
16	7D 1234678	0.01		0.1028	0.1028	0.0010		0.2103	0.2103	0.0021		0.9782	0.9782	0.0098
17	7D Other	0		0.1850	0.1850	0.0000		0.2995	0.2995	0.0000		1.5325	1.5325	0.0000
18	7D Total	0		0.2877	0.2877	0.0000		0.5098	0.5098	0.0000		2.5108	2.5108	0.0000
19	8D	0.001		0.0685	0.0685	0.0001		0.1370	0.1370	0.0001		0.2152	0.2152	0.0002
20	4F 2378	0.1		0.0685	0.0685	0.0069		0.0669	0.0669	0.0067		0.0815	0.0815	0.0082
21	4F Other	0		2.2951	2.2951	0.0000		2.8009	2.8009	0.0000		4.5487	4.5487	0.0000
22	4F Total	0		2.3636	2.3636	0.0000		2.8678	2.8678	0.0000		4.6302	4.6302	0.0000
23	5F 12378	0.05	2	0.0103	0.0103	0.0005	2	0.0127	0.0127	0.0006	2	0.0196	0.0196	0.0010
24	5F 23478	0.5		0.0171	0.0171	0.0086		0.0382	0.0382	0.0191		0.1076	0.1076	0.0538
25	5F Other	0		0.1644	0.1644	0.0000		0.3951	0.3951	0.0000		1.3076	1.3076	0.0000
26	5F Total	0		0.1918	0.1918	0.0000		0.4461	0.4461	0.0000		1.4347	1.4347	0.0000
27	6F 123478	0.1		0.0103	0.0103	0.0010		0.0127	0.0127	0.0013		0.0424	0.0424	0.0042
28	6F 123678	0.1		0.0069	0.0069	0.0007		0.0096	0.0096	0.0010		0.0293	0.0293	0.0029
29	6F 123789	0.1	1	0.0034	0.0017	0.0002	1	0.0029	0.0014	0.0001	1	0.0033	0.0016	0.0002
30	6F 234678	0.1		0.0103	0.0103	0.0010	2	0.0064	0.0064	0.0006		0.0163	0.0163	0.0016
31	6F Other	0		0.0206	0.0206	0.0000		0.0545	0.0545	0.0000		0.3000	0.3000	0.0000
32	6F Total	0		0.0514	0.0514	0.0000		0.0860	0.0860	0.0000		0.3913	0.3913	0.0000
33	7F 1234678	0.01		0.0069	0.0069	0.0001	2	0.0064	0.0064	0.0001		0.0130	0.0130	0.0001
34	7F 1234789	0.01	1	0.0069	0.0034	0.0000	1	0.0032	0.0016	0.0000	1	0.0065	0.0033	0.0000
35	7F Other	0		-0.0034	-0.0034	0.0000		0.0032	0.0032	0.0000		0.0196	0.0196	0.0000
36	7F Total	0		0.0103	0.0103	0.0000	2	0.0127	0.0127	0.0000		0.0391	0.0391	0.0000
37	8F	0.001	1	0.0069	0.0034	0.0000	1	0.0064	0.0032	0.0000	1	0.0098	0.0049	0.0000
38	Total PCDD/PCDF			8.0841	8.0807			16.0149	16.0117			69.0328	69.0279	
39	TEQ		0.9	0.0477		0.0474	0.4	0.0724		0.0722	0.2	0.2058		0.2056