

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase I ID No.	3001
4	EPA ID No.	LAD008086506
5	Facility Name	PPG Industries, Inc.
6	Facility Location	
7	City	Lake Charles
8	State	LA
9	Unit ID Name/No.	Unit 1 & 2 (both units have common stack and APCD)
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Onsite incinerator
13	Combustor Type	Liquid injection
14	Combustor Characteristics	Thermal Research horizontally fired incinerator capable of burning liquid hazardous waste, vent gases and auxiliary fuel.
15	Capacity (MMBtu/hr)	46
16	Soot Blowing	None
17	APCS Detailed Acronym	WS
18	APCS General Class	LEWS
19	APCS Characteristics	3 stages of scrubber: rapid quench primary, secondary (alkaline), tertiary
20	Hazardous Wastes	Liq
21	Haz Waste Description	Light and heavy ends from chlorinated hydrocarbon production
22	Supplemental Fuel	Natural gas
23		
24	Stack Characteristics	
25	Diameter (ft)	
26	Height (ft)	
27	Gas Velocity (ft/sec)	
28	Gas Temperature (°F)	120
29		
30	Permitting Status	Tier IA for all metals (metals stack gas measurements made for information purposes only), Tier III HCl/Cl2
31	HWC Burn Status (Date if Terminated)	

	B	C
1	Cond Description	
2		
3	3001C1	
4		
5	Report Name/Date	Trial Burn Report for Incinerator Unit 1 and 2, October 2001
6	Report Prepare	ENSR Corporation
7	Testing Firm	ENSR International
8	Testing Dates	June 8, 2001
9	Cond Dates	Jun-01
10	Condition Descr	Trial burn, min comb temp
11	Content	POHCs, DREs, PCDD/Fs
12		
13	3001C2	
14		
15	Report Name/Date	Trial Burn Report for Incinerator Unit 1 and 2, October 2001
16	Report Prepare	ENSR Corporation
17	Testing Firm	ENSR International
18	Testing Dates	June 5 - 6, 2001
19	Cond Dates	Jun-01
20	Condition Descr	Trial burn, higher temp for DRE and metals
21	Content	DREs, metals, PCDD/Fs
22		
23	3001C3	
24		
25	Report Name/Date	Trial Burn Report for Incinerator Unit 1 and 2, October 2001
26	Report Prepare	ENSR Corporation
27	Testing Firm	ENSR International
28	Testing Dates	June 8, 2001
29	Cond Dates	Jun-01
30	Condition Descr	Maximum liquid feeds
31	Content	PM, HCl and Cl ₂
32		
33		
34	3001C4	
35		
36	Report Name/Date	Risk Burn Report for Incinerator Unit 1 and 2, October 2001
37	Report Prepare	ENSR Corporation
38	Testing Firm	ENSR International
39	Testing Dates	June 2, 2001
40	Cond Dates	Jun-01
41	Condition Descr	Risk burn, normal op cond, non-PCB containing material
42	Content	PCDD/F, metals
43		
44	3001C5	
45		
46	Report Name/Date	Risk Burn Report for Incinerator Unit 1 and 2, October 2001
47	Report Prepare	ENSR Corporation
48	Testing Firm	ENSR International
49	Testing Dates	June 3, 2001
50	Cond Dates	Jun-01
51	Condition Descr	Risk burn, normal op cond, PCB containing material
52	Content	PCDD/F, metals

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions 1											
2												
3		Comme Units		7% O2								
4												
5												
6	3001C1	Trial Burn				R1		R2		R3		Cond Avg
7												
8	PM	E1	gr/dscf	y		0.0047		0.0196		0.0224		0.0155
9	CO (RA)	E1	ppmv	y		12.03		10.1		12.02		11.4
10	CO (MHRA)	E1	ppmv	y		14.21		12.35		13.83		13.5
11	HC (RA)	E1	ppmv	y		2.1		2.1		2		2.1
12	NOx	E1	ppmv	y		26.5		26.3		25.8		
13												
14	HCl		ppmv			6.05		3.87		6.98		
15	Cl2		ppmv			9.33		11.52		6.32		
16												
17												
18	Sampling Train	PM, HC E1										
19	Stack Gas Flowrate		dscfm			16571		16624		17650		16948
20	O2		%			7.5		7.5		7.5		7.5
21	Moisture		%			9		9.2		11.2		9.80
22	Temperature		°F			112		113		120		115.00
23												
24	POHC DRE	MCB										
25	POHC Feedrate		lb/hr			300		300		300		
26	Emissions Rate	E1	lb/hr			4.35E-05	nd	3.27E-05		3.27E-05		
27	DRE	E1	%			99.99999		99.99999		99.99999		
28												
29	POHC DRE	PERC										
30	POHC Feedrate		lb/hr			71		67		134		
31	Emissions Rate	E1	lb/hr			6.10E-04		5.62E-04		5.67E-04		
32	DRE	E1	%			99.99915		99.99917		99.99958		
33												
34	Sampling Train	DRE, N E1										
35	Stack Gas Flowrate		dscfm			17430		17870		18152		
36	O2		%									
37	Moisture		%									
38	Temperature		°F									
39												
40	Sampling Train	PCDD/F E2										
41	Stack Gas Flowrate		dscfm			17430		17870		18152		
42	O2		%			7.5		7.5		7.5		
43	Moisture		%			8.8		9		10.9		
44	Temperature		°F									
45												
46	HCl	E1	ppmv	y		6.3		4.0		7.2		5.8
47	Cl2	E1	ppmv	y		9.7		11.9		6.6		9.4
48	Total Chlorine	E1	ppmv	y		25.63		27.91		20.35		24.6
49												
50	3001C2	Trial Burn				R1		R2		R3		Cond Avg
51												
52	PM	E1	gr/dscf	y		0.025		0.0201		0.0289		0.0247
53	CO (RA)	E1	ppmv	y		12.1		12.97		13.85		13.0
54	CO (MHRA)	E1	ppmv	y		14.41		16.28		16.59		15.8
55	HC (RA)	E1	ppmv	y		1.8		1.7		1.7		1.7
56	NOx	E1	ppmv	y		27.9		29.9		30.2		29.3
57												
58	HCl		ppmv			6.09		3.67		11.64		
59	Cl2		ppmv			1.3		1.09		1.51		
60												
61	Arsenic		ug/dscm	n		0.91		0.72		0.99		
62	Beryllium		ug/dscm	n	nd	0.05	nd	0.05	nd	0.04		
63	Cadmium		ug/dscm	n	nd	0.43	nd	0.26	nd	0.38		
64	Chromium		ug/dscm	n		45.80		41.10		53.35		
65	Mercury		ug/dscm	n		0.11		0.06		0.08		
66	Antimony		ug/dscm	n	nd	0.37	nd	0.35	nd	0.42		
67	Barium		ug/dscm	n		2.48		2.03		3.05		
68	Lead		ug/dscm	n		0.19	nd	0.99	nd	0.81		
69	Silver		ug/dscm	n	nd	0.13	nd	0.11	nd	0.12		
70	Thallium		ug/dscm	n		0.24		0.23		0.22		
71	Nickel		ug/dscm	n	nd	75.85	nd	62.75	nd	80.23		

	B	C	D	E	F	G	H	I	J	K	L	M
72	Selenium		ug/dscm	n		0.72	nd	0.45	nd	0.45		
73												
74	POHC DRE	MCB										
75	POHC Feedrate		lb/hr			300		300		300		
76	Emissions Rate	E3	lb/hr			5.02E-05	nd	3.29E-05		3.56E-05		
77	DRE	E3	%			99.99998		99.99999		99.99999		
78												
79	POHC DRE	PERC										
80	POHC Feedrate		lb/hr			97		115		106		
81	Emissions Rate	E3	lb/hr			3.39E-04		5.65E-04		5.59E-04		
82	DRE	E3	%			99.99941		99.99951		99.99944		
83												
84	Sampling Train	PM, HCE1										
85	Stack Gas Flowrate		dscfm			17383		17633		16821		17279
86	O2		%			6.7		6.6		6.9		6.7
87	Moisture		%			13.3		14		15.2		14.20
88	Temperature		°F			125		127		130		127.00
89												
90	Sampling Train	Metals E2										
91	Stack Gas Flowrate		dscfm			18212		18525		18393		18377
92	O2		%			6.7		6.6		6.9		6.73
93	Moisture		%			11.60		12.9		13.6		12.7
94	Temperature		°F			120		124		127		124
95												
96	Sampling Train	DRE, N E3										
97	Stack Gas Flowrate		dscfm			17785		18120		17621		
98	O2		%									
99	Moisture		%									
100	Temperature		°F									
101												
102	Sampling Train	PCDD/F E4										
103	Stack Gas Flowrate		dscfm			17785		18120		17621		
104	O2		%			6.7		6.6		6.9		
105	Moisture		%			12.4		13.6		16.5		
106	Temperature		°F									
107												
108	HCl	E1	ppmv	y		6.0		3.6		11.6		7.0
109	Cl2	E1	ppmv	y		1.3		1.1		1.5		1.3
110	Total Chlorine	E1	ppmv	y		8.51		5.69		14.56		9.6
111												
112	Arsenic	E2	ug/dscm	y		0.89		0.70		0.98		0.86
113	Beryllium	E2	ug/dscm	y	nd	0.05	nd	0.05	nd	0.04	100	0.05
114	Cadmium	E2	ug/dscm	y	nd	0.42	nd	0.25	nd	0.38	100	0.35
115	Chromium	E2	ug/dscm	y		44.84		39.96		52.97		45.92
116	Mercury	E2	ug/dscm	y		0.11		0.06		0.08		0.08
117	Antimony	E2	ug/dscm	y	nd	0.36	nd	0.34	nd	0.42	100	0.37
118	Barium	E2	ug/dscm	y		2.43		1.97		3.03		2.48
119	Lead	E2	ug/dscm	y		0.19	nd	0.96	nd	0.80	90	0.65
120	Silver	E2	ug/dscm	y	nd	0.13	nd	0.11	nd	0.12	100	0.12
121	Thallium	E2	ug/dscm	y		0.23		0.22				0.23
122	Nickel	E2	ug/dscm	y	nd	74.26	nd	61.01	nd	79.66	100	71.64
123	Selenium	E2	ug/dscm	y		0.70	nd	0.44	nd	0.45		0.53
124	SVM	E2	ug/dscm	y	100	0.61	100	1.22	100	1.18	100	1.00
125	LVM	E2	ug/dscm	y		45.78		40.71		53.99		46.83
126												
127	3001C3	Trial Burn				R1		R2		R3		Cond Avg
128												
129	PM	E1	gr/dscf	y		0.0091		0.0394		0.0313		0.0266
130	CO (RA)	E1	ppmv	y		15.19		14.66		14.59		14.81
131	CO (MHRA)	E1	ppmv	y		17.33		18.41		16.76		17.50
132	HC (RA)	E1	ppmv	y		2.1		2.1		2		2.07
133												
134	HCl		ppmv	n		5.83		6.2		7.36		
135	Cl2		ppmv	n		9.96		7.66		7.56		
136												
137	Sampling Train	PM, HCE1										
138	Stack Gas Flowrate		dscfm			17288		18046		18011		17782
139	O2		%			7.9		7.6		7.4		7.6
140	Moisture		%			10.9		11.2		11.6		11.20
141	Temperature		°F			119		120		120		120.00
142												

	B	C	D	E	F	G	H	I	J	K	L	M
143	HCl	E1	ppmv	y		6.2		6.5		7.6		6.76
144	Cl2	E1	ppmv	y		10.6		8.0		7.8		8.81
145	Total Chlorine	E1	ppmv	y		27.52		22.48		23.14		24.38
146												
147	3001C4		Risk burn			R1		R2		R3		Cond Avg
148												
149	PM	E1	gr/dscf	y		0.0156		0.0194		0.0091		0.015
150	CO (RA)	E1	ppmv	y		10.22		11.37		9.85		10.48
151	CO (MHRA)	E1	ppmv	y		13.12		14.52		12.85		13.50
152	NOx	E4	ppmv	y		35.6		36.1		34.5		35.40
153												
154	HCl		ppmv	n		2.56		2.23		2.55		
155	Cl2		ppmv	n		3.74		3.7		4.16		
156												
157	Sampling Train		PM, HC	E1								
158	Stack Gas Flowrate		dscfm			16242		16060		16343		16215
159	O2		%			7.1		7.1		8		7.4
160	Moisture		%			11.2		11.6		11.6		11.4
161	Temperature		°F			119		121		120		120
162												
163	HCl	E1	ppmv	y		2.58		2.25		2.75		2.52
164	Cl2	E1	ppmv	y		3.77		3.73		4.48		3.99
165	Total Chlorine	E1	ppmv	y		10.11		9.70		11.71		10.51
166												
167	Arsenic		ug/dscm	n		0.87		2.07		0.93		
168	Beryllium		ug/dscm	n	nd	0.05		0.05 nd		0.05		
169	Cadmium		ug/dscm	n		0.29		0.3		0.26		
170	Chromium		ug/dscm	n		40.9		56.19		46.66		
171	Mercury		ug/dscm	n		0.22		0.09		0.26		
172	Antimony		ug/dscm	n		0.46		0.47		0.44		
173	Barium		ug/dscm	n		1.23		1.09		0.57		
174	Lead		ug/dscm	n		0.48		0.64		0.38		
175	Silver		ug/dscm	n	nd	0.33		1.29 nd		0.21		
176	Thallium		ug/dscm	n		0.26		0.26		0.26		
177	Nickel		ug/dscm	n		41.93		51.01		48.21		
178	Selenium		ug/dscm	n	nd	0.51		0.52 nd		0.52		
179	Chromium (Hex)		ug/dscm	n		10.61		10.83		11.18		
180												
181	Sampling Train		Metals	E2								
182	Stack Gas Flowrate		dscfm			16618		16190		16438		16416.00
183	O2		%			7.1		7.1		8		7.40
184	Moisture		%			9.8		10.3		10		10.00
185	Temperature		°F			115		117		115		116.00
186												
187	Sampling Train		Cr+6	E3								
188	Stack Gas Flowrate		dscfm			17196		16890		18004		17364.00
189	O2		%			7.1		7.1		8		7.40
190	Moisture		%			11.6		11.9		12		11.80
191	Temperature		°F			118		120		119		119.00
192												
193	Sampling Train		PCDD/F	E4								
194	Stack Gas Flowrate		dscfm			17508		17039		17414		
195	O2		%			7.1		7.1		8		
196	Moisture		%			11.8		11.7		10.9		
197	Temperature		°F									
198												
199												
200	Arsenic	E2	ug/dscm	y		0.88		2.08		1.00		1.32
201	Beryllium	E2	ug/dscm	y	nd	0.05 nd		0.05 nd		0.05	100	0.05
202	Cadmium	E2	ug/dscm	y		0.29		0.30		0.28		0.29
203	Chromium	E2	ug/dscm	y		41.19		56.59		50.25		49.35
204	Mercury	E2	ug/dscm	y		0.22		0.09		0.28		0.20
205	Antimony	E2	ug/dscm	y		0.46		0.47		0.47		0.47
206	Barium	E2	ug/dscm	y		1.24		1.10		0.61		0.98
207	Lead	E2	ug/dscm	y		0.48		0.64		0.41		0.51
208	Silver	E2	ug/dscm	y	nd	0.33 nd		1.30 nd		0.23	100	0.62
209	Thallium	E2	ug/dscm	y		0.26		0.26		0.28		0.27
210	Nickel	E2	ug/dscm	y		42.23		51.38		51.92		48.51
211	Selenium	E2	ug/dscm	y	nd	0.51 nd		0.52 nd		0.56	100	0.53
212	Chromium (Hex)	E3	ug/dscm	y		10.69		10.91		12.04		11.21
213	SVM	E2	ug/dscm	y		0.78		0.95		0.69		0.80

	B	C	D	E	F	G	H	I	J	K	L	M
214	LVM	E2	ug/dscm	y		42.12		58.73		51.30		50.72
215												
216	3001C5	Risk burn				R1		R2		R3		Cond Avg
217												
218	PM	E1	gr/dscf	y		0.003		0.0031		0.0035		0.0032
219	CO (RA)	E1	ppmv	y		8.24		8.33		8.19		8.3
220	CO (MHRA)	E1	ppmv	y		9.71		9.74		10.26		9.9
221	NOx	E4	ppmv	y		35		35.3		35.3		35.2
222												
223	HCl		ppmv	n		1.93		2.43		2.25		
224	Cl2		ppmv	n		13.23		15.13		15.08		
225												
226	Arsenic		ug/dscm	n		0.35		0.46		0.33		0.38
227	Beryllium		ug/dscm	n	nd	0.05	nd	0.05	nd	0.05		0.05
228	Cadmium		ug/dscm	n		0.15		0.12		0.12		0.13
229	Chromium		ug/dscm	n		8.65		9.37		9.48		9.16
230	Mercury		ug/dscm	n	nd	0.3	nd	0.3	nd	0.31		0.31
231	Antimony		ug/dscm	n	nd	0.2	nd	0.21	nd	0.97		0.46
232	Barium		ug/dscm	n	nd	1.67	nd	1.81		0.27		1.25
233	Lead		ug/dscm	n		0.36		0.19		0.66		0.40
234	Silver		ug/dscm	n	nd	0.79	nd	0.96	nd	0.24		0.66
235	Thallium		ug/dscm	n	nd	0.25	nd	0.27	nd	0.27		0.26
236	Nickel		ug/dscm	n		11.11		10.97		12.17		11.41
237	Selenium		ug/dscm	n	nd	0.49	nd	0.53	nd	0.54		0.52
238	Chromium (Hex)		ug/dscm	n		7.76		7.89		7.87		7.84
239												
240	Sampling Train	PM, HC	E1									
241	Stack Gas Flowrate		dscfm			15978		15300		15316		15531
242	O2		%			7.3		7.3		7.3		7.3
243	Moisture		%			10.1		9		9.5		9.5
244	Temperature		°F			115		112		113		113
245												
246	Sampling Train	Metals	E2									
247	Stack Gas Flowrate		dscfm			16441		16186		16079		16235
248	O2		%			7.3		7.3		7.3		7.3
249	Moisture		%			10.1		9.8		9.2		9.7
250	Temperature		°F			115		114		113		114
251												
252	Sampling Train	Cr+6	E3									
253	Stack Gas Flowrate		dscfm			16601		16280		16442		16441
254	O2		%			7.3		7.3		7.3		7.3
255	Moisture		%			10.1		9.4		9		9.5
256	Temperature		°F			114		111		112		112
257												
258	Sampling Train	PCDD/F	E4									
259	Stack Gas Flowrate		dscfm			17207		16910		16726		
260	O2		%			7.3		7.3		7.3		
261	Moisture		%			9.5		8.8		9		
262	Temperature		°F									
263												
264	HCl	E1	ppmv	y		1.97		2.48		2.30		2.25
265	Cl2	E1	ppmv	y		13.52		15.46		15.41		14.80
266	Total Chlorine	E1	ppmv	y		29.01		33.41		33.12		31.85
267												
268	Arsenic	E2	ug/dscm	y		0.36		0.47		0.34		0.39
269	Beryllium	E2	ug/dscm	y	nd	0.05	nd	0.05	nd	0.05	100	0.05
270	Cadmium	E2	ug/dscm	y		0.15		0.12		0.12		0.13
271	Chromium	E2	ug/dscm	y		8.84		9.58		9.69		9.37
272	Mercury	E2	ug/dscm	y	nd	0.31	nd	0.31	nd	0.32	100	0.31
273	Antimony	E2	ug/dscm	y	nd	0.20	nd	0.21	nd	0.99	100	0.47
274	Barium	E2	ug/dscm	y	nd	1.71	nd	1.85		0.28		1.28
275	Lead	E2	ug/dscm	y		0.37		0.19		0.67		0.41
276	Silver	E2	ug/dscm	y	nd	0.81	nd	0.98	nd	0.25	100	0.68
277	Thallium	E2	ug/dscm	y	nd	0.26	nd	0.28	nd	0.28	100	0.27
278	Nickel	E2	ug/dscm	y		11.35		11.21		12.44		11.67
279	Selenium	E2	ug/dscm	y	nd	0.50	nd	0.54	nd	0.55	100	0.53
280	Chromium (Hex)	E3	ug/dscm	y		7.93		8.06		8.04		8.01
281	SVM	E2	ug/dscm	y		0.52		0.32		0.80		0.55
282	LVM	E2	ug/dscm	y		9.25		10.10		10.08		9.81

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	
1	Feedstream 1																												
2																													
3																													
4	3001C1	Trial burn			R1		R2		R3		Cond Avg	R1	R2	R3	R2	R3	R3	Cond Avg	R1	R2	R3	R2	R3	R3	R3	R3			Cond Avg
5		Feedstream Number			F1		F1		F1		F1	NG	F2	NG	F2	NG	F2	NG	F2	F3	F3	F3	F3	F3	F3	F3			F3
6		Feed Class			Liq HW		Liq HW		Liq HW		Liq HW	HW	HW	HW	NG	NG	NG	NG	NG	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel			Misc. Fuel
7		Feed Class 2			HW		HW		HW		HW	HW	HW	HW	NG	NG	NG	NG	NG	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel			Misc. Fuel	
8		Feedstream Description			Liq waste		Liq waste		Liq waste		Liq waste				Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Vent Gas	Vent Gas	Vent Gas	Vent Gas	Vent Gas	Vent Gas			Vent Gas	
9		Feed Rate	gpm		6.84		6.85		7.07		7				18215	19292	18000	18000	94221	93245	96175	96175	96175	96175	96175			96175	
10		Feed Rate	scfh																										
11		Feed Rate	cps		5.18		5.14		4.63		4.9																		
12		Viscosity	Btu/lb		6080.0		8690		6080		7000																		
13		Heating Value	Btu/cf																										
14		Heating Value	lb/c ?		84.8		75.3		85.2		81.2																		
15		Density	lb/hr																										
16		MCB	lb/hr																										
17		PERC	% wt		0.07		0.1		0.09		0.09																		
18		Ash	lb/hr		7731		7669		8305		7800																		
19		Chlorine	lb/hr																										
20		Stack Gas Flowrate	dscfm		16571		16624		17650		16948																		
21		Oxygen	%		7.5		7.5		7.5		7.5																		
22		Thermal Feedrate	MMBtu/hr		20.8		29.8		21.509994		24.5196																		
23		Estimated Firing Rate	MMBtu/hr																										
24		Feedrate M/TEC Calculations																											
25		Ash	mg/dscm		40		51		50		47																		
26		Chlorine	ug/dscm		129359816		127913282		130469008		129247369																		
27		3001C2	Trial burn																										
28		Feedstream Number			R1		R2		R3		Cond Avg	R1	R2	R3	R2	R3	R3	Cond Avg	R1	R2	R3	R2	R3	R3	R3			Cond Avg	
29		Feed Class			F1		F1		F1		F1	NG	F2	NG	F2	NG	F2	NG	F2	F3	F3	F3	F3	F3	F3			F3	
30		Feed Class 2			Liq HW		Liq HW		Liq HW		Liq HW	HW	HW	HW	NG	NG	NG	NG	NG	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel	Misc. Fuel			Misc. Fuel	
31		Feedstream Description			Liq waste		Liq waste		Liq waste		Liq waste				Nat Gas	Nat Gas	Nat Gas	Nat Gas	Nat Gas	Vent Gas	Vent Gas	Vent Gas	Vent Gas	Vent Gas	Vent Gas			Vent Gas	
32		Feed Rate	gpm		7.4		7.3		7.34		7.34				18487	17203	17334	17334	97342	102138	107017	102138	107017	107017			102138		
33		Feed Rate	scfh																										
34		Feed Rate	cps		5.39		5.6		5.38		5.38																		
35		Viscosity	Btu/lb		4780.0		7820		7820		7820																		
36		Heating Value	Btu/cf																										
37		Heating Value	lb/c ?		82.8		69.1		71		71																		
38		Density	lb/hr																										
39		MCB	lb/hr																										
40		PERC	% wt		0.07		0.18		0.07		0.07																		
41		Ash	lb/hr		8172.0		8369		8792		8792																		
42		Chlorine	lb/hr																										
43		Antimony	mg/kg		nd		nd		nd		nd																		
44		Arsenic	mg/kg		nd		nd		nd		nd																		
45		Barium	mg/kg		0.41		0.37		0.8		0.8																		
46		Beryllium	mg/kg		0.03		0.04		0.04		0.04																		
47		Cadmium	mg/kg		1.90		2.1		2.3		2.3																		
48		Chromium	mg/kg		0.22		0.22		0.22		0.22																		
49		Lead	mg/kg		0.04		0.04		0.05		0.05																		
50		Mercury	mg/kg		2.60		2.6		2.9		2.9																		
51		Nickel	mg/kg		0.34		0.67		0.94		0.94																		
52		Selenium	mg/kg		0.14		0.11		0.08		0.08																		
53		Silver	mg/kg		1.00		1		1		1																		
54		Thallium	mg/kg		0.21		0.2		0.2		0.2																		
55		Chromium (Hex)	mg/kg																										

	AD	AE	AF	AG	AH	AI	AJ
1							
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AD	AE	AF	AG	AH	AI	AJ
61						
62						
63						
64	34.107825	46.974572	45.92536			42.606936
65						
66						
67						
68	37	92	37	56		
69	117457535	117435408	126900168	120597704		
70	10 100	10 100	10 100	10 100		10
71	7 100	7 100	7 100	7 100		7
72	22	19	42	28		28
73	2	2	2	2		2
74	5 100	5 100	5 100	5 100		5
75	102	107	122	110		110
76	12 100	11 100	12 100	12 100		12
77	2	2	3	2		2
78	139	133	154	142		142
79	18 100	34 100	50 100	34		34
80	7	6	4	6		6
81	54 100	51 100	53 100	53		53
82	11 100	10 100	11 100	11		11
83	17 100	16 100	16 100	16		16
84	110 5.7	116 5.3	131	6		119
85						
86	R1	R2	R3			Cond Avg
87						
88	F4	F4	F4	F4		F4
89	Total	Total	Total	Total		Total
90	Total	Total	Total	Total		Total
91	Total	Total	Total	Total		Total
92						
93						
94						
95						
96						
97						
98						
99						
100	94542304	91252393	91109034	92301243		
101						
102	R1	R2	R3			Cond Avg
103						
104	F4	F4	F4	F4		F4
105	Total	Total	Total	Total		Total
106	Total	Total	Total	Total		Total
107	Total	Total	Total	Total		Total
108						
109						
110						
111						
112						
113						
114						
115						
116	4.9E+07	4.9E+07	5.0E+07	4.9E+07		4.9E+07
117						
118	R1	R2	R3			Cond Avg
119						
120	F4	F4	F4	F4		F4

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	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	
121	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW																		
122	Feed Class 2				HW		HW		HW		HW																		
123	Feedstream Description				Liq waste		Liq waste		Liq waste		Liq waste																		
124	Feed Rate		gpm		4.7		4.64		4.67																				
125	Feed Rate		scfh																										
126	Heating Value		Btu/cf																										
127	Chlorine		lb/hr		3367.0		3177		3342																				
128																													
129	Stack Gas Flowrate		dscfm		15978		15300		15316																				
130	Oxygen		%		7.3		7.3		7.3																				
131																													
132	Chlorine		ug/dscm		57576642		56735047.1		59619280																				

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	AD	AE	AF	AG	AH	AI	AJ
121	Total		Total		Total		Total
122	Total		Total		Total		Total
123	Total		Total		Total		Total
124							
125							
126							
127							
128							
129							
130							
131							
132	57576642		56735047		59619280		57976990

	B	C	D	E	F
1	Process Information				
2					
3	3001C1	Trial burn	Run 1	Run 2	Run 3
4					
5	Unit 1				
6	Combustion Chamber Temp.	°F	2376	2368	2350
7	Air Flow	scfh	610760	612855	617382
8	Primary Scrubber Flow	gpm	665.18	664.86	664.81
9	Unit 2				
10	Combustion Chamber Temp.	°F	2350	2350	2350
11	Air Flow	scfh	520002	520567	548382
12	Primary Scrubber Flow	gpm	765.51	755.08	754.85
13	Unit 1 and 2				
14	Secondary Scrubber Flow	gpm	329.82	332.28	331.13
15	Secondary Scrubber pH	pH	9.09	9.05	8.9
16	Secondary Scrubber Blowdown	gpm	48.54	49.34	49.19
17	Tertiary Scrubber Flow	gpm	225.43	246.87	243.25
18	Tertiary Scrubber (A) pH	pH	6.95	6.57	7.76
19	Tertiary Scrubber (B) pH	pH	7.12	6.89	7.4
20	Tertiary Scrubber Blowdown	gpm	9.5	9.49	10.5
21					
22	3001C2	Trial burn			
23					
24	Unit 1				
25	Combustion Chamber Temp.	°F	2450.0	2506	2544
26	Air Flow	scfh	592504.00	606135	601328
27	Primary Scrubber Flow	gpm	664.9	665.31	665.08
28	Unit 2				
29	Combustion Chamber Temp.	°F	2450	2450	2450
30	Air Flow	scfh	528792	554566	546032
31	Primary Scrubber Flow	gpm	759.95	775.17	775.01
32	Unit 1 and 2				
33	Secondary Scrubber Flow	gpm	333.25	331.48	332.48
34	Secondary Scrubber pH	pH	8.99	9.03	8.95
35	Secondary Scrubber Blowdown	gpm	50.73	47.92	47.1
36	Tertiary Scrubber Flow	gpm	215.82	211.77	226.4
37	Tertiary Scrubber (A) pH	pH	6.96	7.76	7.37
38	Tertiary Scrubber (B) pH	pH	6.88	7.71	7.29
39	Tertiary Scrubber Blowdown	gpm	9.51	9.51	9.51
40					
41	3001C3	Trial burn			
42					
43	Unit 1				
44	Combustion Chamber Temp.	°F	2414	2414	2414
45	Air Flow	scfh	588768	587081	580023
46	Primary Scrubber Flow	gpm	665.23	664.9	665.17
47	Unit 2				
48	Combustion Chamber Temp.	°F	2430	2430	2430
49	Air Flow	scfh	586508	587160	592243
50	Primary Scrubber Flow	gpm	754.9	755.02	754.86
51	Unit 1 and 2				
52	Secondary Scrubber Flow	gpm	335.1	336.06	341.27
53	Secondary Scrubber pH	pH	9.01	9.02	9.01
54	Secondary Scrubber Blowdown	gpm	47.63	47.85	48.51
55	Tertiary Scrubber Flow	gpm	228.18	242.59	232.26
56	Tertiary Scrubber (A) pH	pH	8.07	7.89	7.72
57	Tertiary Scrubber (B) pH	pH	8.21	8.06	7.89
58	Tertiary Scrubber Blowdown	gpm	10.5	10.51	10.49
59					
60	3001C4	Risk burn			
61					
62	Unit 1				
63	Combustion Chamber Temp.	°F	2475	2486	2474
64	Air Flow	scfh	589393	585037	589132
65	Primary Scrubber Flow	gpm	644.86	645.06	645.04
66	Unit 2				
67	Combustion Chamber Temp.	°F	2460	2460	2460
68	Air Flow	scfh	537976	534394	536633
69	Primary Scrubber Flow	gpm	728.8	715.27	748.7
70	Unit 1 and 2				

	B	C	D	E	F
71	Secondary Scrubber Flow	gpm	333.41	334.18	335.8
72	Secondary Scrubber pH	pH	9.12	9.13	9.13
73	Secondary Scrubber Blowdown	gpm	50.64	50.72	50.63
74	Tertiary Scrubber Flow	gpm	244	233.9	260.89
75	Tertiary Scrubber (A) pH	pH	7.3	6.94	6.73
76	Tertiary Scrubber (B) pH	pH	7.27	6.89	6.67
77	Tertiary Scrubber Blowdown	gpm	9	9	9.01
78					
79	3001C5	Risk burn			
80					
81	Unit 1				
82	Combustion Chamber Temp.	°F	2473	2473	2473
83	Air Flow	scfh	529444	528831	528659
84	Primary Scrubber Flow	gpm	645.08	645.12	645.13
85	Unit 2				
86	Combustion Chamber Temp.	°F	2460	2460	2461
87	Air Flow	scfh	557144	529105	527161
88	Primary Scrubber Flow	gpm	742.72	744.12	740.71
89	Unit 1 and 2				
90	Secondary Scrubber Flow	gpm	331.34	331.01	330.65
91	Secondary Scrubber pH	pH	9.12	9.13	9.13
92	Secondary Scrubber Blowdown	gpm	50.63	50.35	50.31
93	Tertiary Scrubber Flow	gpm	238.66	254.31	257.18
94	Tertiary Scrubber (A) pH	pH	6.9	6.95	6.94
95	Tertiary Scrubber (B) pH	pH	6.82	6.88	6.86
96	Tertiary Scrubber Blowdown	gpm	9	9	9

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:	PPG Industries, Lake Charles, LA															
4	Condition ID:	3001C1															
5	Condition/Test Date:	Trial burn, minimum combustion chamber temperature.															
6																	
7																	
8																	
9																	
10																	
11	Detected in sample volume (pg)																
12	2,3,7,8-TCDD	1	nd	3.3	3.3	1.7	1.7	nd	5.1	5.1	2.6	2.6	nd	6	5.5	2.8	2.8
13	Total TCDD	0		21.0	0.0	21.0	0.0	nd	5	0.0	2.6	2.6	nd	12	0.0	6.0	0.0
14	1,2,3,7,8-PCDD	0.5	nd	6.4	3.2	3.2	1.6	nd	4.5	2.3	2.3	1.1	nd	10	4.9	4.9	2.4
15	Total PCDD	0		7.7	0.0	7.7	0.0	nd	4.5	0.0	2.3	0.0	nd	13	0.0	13.3	0.0
16	1,2,3,4,7,8-HxCDD	0.1	nd	9.0	0.9	4.5	0.5	nd	12.1	1.2	6.1	0.6	nd	15	1.5	7.6	0.8
17	1,2,3,6,7,8-HxCDD	0.1		8.4	0.8	8.4	0.8	nd	11.3	1.1	5.7	0.6	nd	14	1.4	7.1	0.7
18	1,2,3,7,8,9-HxCDD	0.1	nd	7.9	0.8	4.0	0.4	nd	10.6	1.1	5.3	0.5	nd	13	1.3	6.7	0.7
19	Total HxCDD	0		31.1	0.0	31.1	0.0	nd	23.9	0.0	23.9	0.0	nd	14	0.0	14.2	0.0
20	1,2,3,4,6,7,8-HpCDD	0.01		46.6	0.5	46.6	0.5	nd	45.9	0.5	45.9	0.5	nd	35	0.3	34.9	0.3
21	Total HpCDD	0		69.2	0.0	69.2	0.0	nd	65.6	0.0	65.6	0.0	nd	50	0.0	50.1	0.0
22	OCDD	0.001		72.0	0.1	72.0	0.1	nd	69	0.1	69.0	0.1	nd	65	0.1	65.0	0.1
23	2,3,7,8-TCDF	0.1		109.0	10.9	109.0	10.9	nd	87	8.7	87.0	8.7	nd	94	9.4	94.0	9.4
24	Total TCDF	0		2298.0	0.0	2298.0	0.0	nd	1796	0.0	1796.0	0.0	nd	1562	0.0	1562.0	0.0
25	1,2,3,7,8-PCDF	0.05		310.0	15.5	310.0	15.5	nd	208	10.4	208.0	10.4	nd	175	8.8	175.0	8.8
26	Total PCDF	0		97.0	48.5	97.0	48.5	nd	66	33.0	66.0	33.0	nd	65	32.5	65.0	32.5
27	1,2,3,4,7,8-HxCDF	0.1		748.0	74.8	748.0	74.8	nd	562	56.2	562.0	56.2	nd	444	44.4	444.0	44.4
28	1,2,3,6,7,8-HxCDF	0.1		273.0	27.3	273.0	27.3	nd	174	17.4	174.0	17.4	nd	151	15.1	151.0	15.1
29	2,3,4,6,7,8-HxCDF	0.1		80.0	8.0	80.0	8.0	nd	62	6.2	62.0	6.2	nd	59	5.9	59.0	5.9
30	1,2,3,7,8,9-HxCDF	0.1		49.0	4.9	49.0	4.9	nd	42	4.2	42.0	4.2	nd	38	3.8	38.0	3.8
31	Total HxCDF	0		2310.0	0.0	2310.0	0.0	nd	1481	0.0	1481.0	0.0	nd	1308	0.0	1308.0	0.0
32	1,2,3,4,6,7,8-HpCDF	0.01		643.0	6.4	643.0	6.4	nd	782	7.8	782.0	7.8	nd	527	5.3	527.0	5.3
33	1,2,3,4,7,8,9-HpCDF	0.01		106.0	1.1	106.0	1.1	nd	135	1.4	135.0	1.4	nd	93	0.9	93.0	0.9
34	Total HpCDF	0		962.0	0.0	962.0	0.0	nd	1213	0.0	1213.0	0.0	nd	839	0.0	839.0	0.0
35	OCDF	0.001		814.0	0.8	814.0	0.8	nd	1524	1.5	1524.0	1.5	nd	973	1.0	973.0	1.0
36																	
37	Gas sample volume (dscf)																
38	O2 (%)																
39																	
40	PCDD/PCDF (pg in sample)																
41	PCDD/PCDF (ng/dscm @ 7% O2)																
42																	
43	TEQ Cond Avg																
44	Total Cond Avg																

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	PCDD/PCDF																
2	Facility Name and ID:	PPG Industries, Lake Charles, LA															
3	Condition ID:	3001C2															
4	Condition/Test Date:	Trial burn, normal operating combustion chamber temperature.															
5																	
6																	
7																	
8																	
9																	
10																	
11	Detected in sample volume (pg)																
12	2,3,7,8-TCDD	1	nd	3.0	3.0	1.5	1.5	nd	4.5	4.5	2.3	2.3	nd	3	2.6	1.3	1.3
13	Total TCDD	0		27.3	0.0	27.3	0.0		37	0.0	37.0	0.0		8	0.0	8.2	0.0
14	1,2,3,7,8-PCDD	0.5	nd	10.8	5.4	5.4	2.7		9.5	4.8	9.5	4.8	nd	10	4.9	4.9	2.5
15	Total PCDD	0	nd	20.2	0.0	10.1	0.0		71.1	0.0	71.1	0.0		19	0.0	19.2	0.0
16	1,2,3,4,7,8-HxCDD	0.1	nd	12.0	1.2	6.0	0.6		8	0.8	8.0	0.8	nd	10	1.0	5.1	0.5
17	1,2,3,6,7,8-HxCDD	0.1	nd	11.2	1.1	5.6	0.6		12.2	1.2	12.2	1.2	nd	10	1.0	4.8	0.5
18	1,2,3,7,8,9-HxCDD	0.1	nd	10.5	1.1	5.3	0.5		5.7	0.6	5.7	0.6	nd	9	0.9	4.5	0.4
19	Total HxCDD	0	nd	24.2	0.0	12.1	0.0		91.8	0.0	91.8	0.0		45	0.0	45.4	0.0
20	1,2,3,4,6,7,8-HpCDD	0.01		11.5	0.1	11.5	0.1		49.5	0.5	49.5	0.5		49	0.5	48.5	0.5
21	Total HpCDD	0		19.2	0.0	19.2	0.0		84.9	0.0	84.9	0.0		82	0.0	81.6	0.0
22	OCDD	0.001		42.0	0.0	42.0	0.0		66	0.1	66.0	0.1		91	0.1	91.0	0.1
23	2,3,7,8-TCDF	0.1		237.0	23.7	237.0	23.7		328	32.8	328.0	32.8		104	10.4	104.0	10.4
24	Total TCDF	0		3891.0	0.0	3891.0	0.0		5401	0.0	5401.0	0.0		2207	0.0	2207.0	0.0
25	1,2,3,7,8-PCDF	0.05		427.0	21.4	427.0	21.4		543	27.2	543.0	27.2		185	9.3	185.0	9.3
26	2,3,4,7,8-PCDF	0.5		158.0	79.0	158.0	79.0		246	123.0	246.0	123.0		96	48.0	96.0	48.0
27	Total PCDF	0		4084.0	0.0	4084.0	0.0		5592	0.0	5592.0	0.0		1895	0.0	1895.0	0.0
28	1,2,3,4,7,8-HxCDF	0.1		845.0	84.5	845.0	84.5		1292	129.2	1292.0	129.2		514	51.4	514.0	51.4
29	1,2,3,6,7,8-HxCDF	0.1		265.0	26.5	265.0	26.5		479	47.9	479.0	47.9		184	18.4	184.0	18.4
30	1,2,3,4,6,7,8-HxCDF	0.1		83.0	8.3	83.0	8.3		155	15.5	155.0	15.5		89	8.9	89.0	8.9
31	1,2,3,7,8,9-HxCDF	0.1		52.0	5.2	52.0	5.2		88	8.8	88.0	8.8		49	4.9	49.0	4.9
32	Total HxCDF	0		2850.0	0.0	2850.0	0.0		4647	0.0	4647.0	0.0		1800	0.0	1800.0	0.0
33	1,2,3,4,6,7,8-HpCDF	0.01		717.0	7.2	717.0	7.2		1301	13.0	1301.0	13.0		788	7.9	788.0	7.9
34	1,2,3,4,7,8,9-HpCDF	0.01		86.0	0.9	86.0	0.9		158	1.6	158.0	1.6		142	1.4	142.0	1.4
35	Total HpCDF	0		1098.0	0.0	1098.0	0.0		1960	0.0	1960.0	0.0		1249	0.0	1249.0	0.0
36	OCDF	0.001		512.0	0.5	512.0	0.5		987	1.0	987.0	1.0		1019	1.0	1019.0	1.0
37	Gas sample volume (dscf)			114.24	114.24	114.24	114.24		117.00	117.00	117.00	117.00		115.08	115.08	115.08	115.08
38	O2 (%)			6.70	6.70	6.70	6.70		6.6	6.6	6.6	6.6		6.90	6.90	6.90	6.90
39																	
40	PCDD/PCDF (pg in sample)			269.0190	12545.7	263.1340	263.1340		412.3280	18937.8	410.0780	410.0780		172.4950	8415.4	167.3200	167.3200
41	PCDD/PCDF (ng/dscm @ 7% O2)	4.4		0.0815	3.80	0.0797	0.0797		0.1211	5.56	0.1204	0.1204		0.0526	2.57	0.0510	0.0510
42																	
43	TEQ Cond Avg	0.084															
44	Total Cond Avg	3.98															

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	PCDD/PCDF																
2	IN																
3	Facility Name and ID:	PPG Industries, Lake Charles, LA															
4	Condition ID:	3001C4															
5	Condition/Test Date:	Risk burn, normal operating condition in feeding non PCB containing materials.															
6																	
7		I-TEF															
8		Wght Fact															
9			Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total
10		Detected in sample volume (pg)	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND
11	2,3,7,8-TCDD	1	19.6	19.6	19.6	19.6	19.6	19.6	22.1	22.1	22.1	22.1	22.1	20	19.7	19.7	19.7
12	Total TCDD	0	325.0	0.0	325.0	0.0	325.0	0.0	319.0	0.0	319.0	0.0	319.0	272	0.0	272.0	0.0
13	1,2,3,7,8-PCDD	0.5	59.1	29.6	59.1	29.6	59.1	29.6	44.6	22.3	44.6	22.3	44.6	57	28.6	57.2	28.6
14	Total PCDD	0	512.5	0.0	512.5	0.0	512.5	0.0	508.6	0.0	508.6	0.0	508.6	442	0.0	442.3	0.0
15	1,2,3,4,7,8-HxCDD	0.1	31.6	3.2	31.6	3.2	31.6	3.2	33.2	3.3	33.2	3.3	33.2	43	4.3	43.3	4.3
16	1,2,3,6,7,8-HxCDD	0.1	70.8	7.1	70.8	7.1	70.8	7.1	71.2	7.1	71.2	7.1	71.2	59	5.9	59.3	5.9
17	1,2,3,7,8,9-HxCDD	0.1	29.5	3.0	29.5	3.0	29.5	3.0	24.4	2.4	24.4	2.4	24.4	31	3.1	30.7	3.1
18	Total HxCDD	0	523.0	0.0	523.0	0.0	523.0	0.0	497.7	0.0	497.7	0.0	497.7	461	0.0	461.0	0.0
19	1,2,3,4,6,7,8-HpCDD	0.01	149.0	1.5	149.0	1.5	149.0	1.5	165.4	1.7	165.4	1.7	165.4	157	1.6	157.3	1.6
20	Total HpCDD	0	255.0	0.0	255.0	0.0	255.0	0.0	286.0	0.0	286.0	0.0	286.0	270	0.0	270.0	0.0
21	OCDD	0.001	181.0	0.2	181.0	0.2	181.0	0.2	174.0	0.2	174.0	0.2	174.0	186	0.2	186.0	0.2
22	2,3,7,8-TCDF	0.1	523.0	52.3	523.0	52.3	523.0	52.3	565.0	56.5	565.0	56.5	565.0	467	46.7	467.0	46.7
23	Total TCDF	0	13120.0	0.0	13120.0	0.0	13120.0	0.0	13684.0	0.0	13684.0	0.0	13684.0	11719	0.0	11719.0	0.0
24	1,2,3,7,8-PCDF	0.05	1742.0	87.1	1742.0	87.1	1742.0	87.1	1769.0	88.5	1769.0	88.5	1769.0	1324	66.2	1324.0	66.2
25	2,3,4,7,8-PCDF	0.5	860.0	430.0	860.0	430.0	860.0	430.0	881.0	440.5	881.0	440.5	881.0	691	345.5	691.0	345.5
26	Total PCDF	0	15093.0	0.0	15093.0	0.0	15093.0	0.0	15385.0	0.0	15385.0	0.0	15385.0	11466	0.0	11466.0	0.0
27	1,2,3,4,7,8-HxCDF	0.1	4612.0	461.2	4612.0	461.2	4612.0	461.2	4563.0	456.3	4563.0	456.3	4563.0	3243	324.3	3243.0	324.3
28	1,2,3,6,7,8-HxCDF	0.1	1668.0	166.8	1668.0	166.8	1668.0	166.8	1779.0	177.9	1779.0	177.9	1779.0	1189	118.9	1189.0	118.9
29	2,3,4,6,7,8-HxCDF	0.1	550.0	55.0	550.0	55.0	550.0	55.0	561.0	56.1	561.0	56.1	561.0	439	43.9	439.0	43.9
30	1,2,3,7,8,9-HxCDF	0.1	326.0	32.6	326.0	32.6	326.0	32.6	321.0	32.1	321.0	32.1	321.0	250	25.0	250.0	25.0
31	Total HxCDF	0	14880.0	0.0	14880.0	0.0	14880.0	0.0	14850.0	0.0	14850.0	0.0	14850.0	10640	0.0	10640.0	0.0
32	1,2,3,4,6,7,8-HpCDF	0.01	4710.0	47.1	4710.0	47.1	4710.0	47.1	4880.0	48.8	4880.0	48.8	4880.0	3570	35.7	3570.0	35.7
33	1,2,3,4,7,8,9-HpCDF	0.01	611.0	6.1	611.0	6.1	611.0	6.1	570.0	5.7	570.0	5.7	570.0	465	4.7	465.0	4.7
34	Total HpCDF	0	7030.0	0.0	7030.0	0.0	7030.0	0.0	7110.0	0.0	7110.0	0.0	7110.0	5230	0.0	5230.0	0.0
35	OCDF	0.001	3540.0	3.5	3540.0	3.5	3540.0	3.5	3650.0	3.7	3650.0	3.7	3650.0	2746	2.7	2746.0	2.7
36																	
37	Gas sample volume (dscf)		113.40	7.10	113.40	7.10	113.40	7.10	109.70	7.1	109.70	7.1	109.70	112.00	8.00	112.00	8.00
38	O2 (%)																
39																	
40	PCDD/PCDF (pg in sample)		1405.76	55459.50	1405.76	55459.50	1405.76	55459.50	1425.11	56464.30	1425.11	56464.30	1425.11	43432.3	1077.0	43432.3	1077.0
41	PCDD/PCDF (ng/dscm @ 7% O2)	0.0	0.441	17.41	0.441	17.41	0.441	17.41	0.462	18.32	0.462	18.32	0.462	0.366	14.76	0.366	14.76
42																	
43	TEQ Cond Avg		0.42														
44	Total Cond Avg		16.83														

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:	PPG Industries, Lake Charles, LA															
4	Condition ID:	3001C5															
5	Condition/Test Date:	Risk burn, normal operating condition in feeding PCB containing materials.															
6																	
7																	
8																	
9																	
10																	
		Run 1				Run 2				Run 3							
		Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ
		Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND	Full ND	1/2 ND
11	Detected in sample volume (pg)	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.9	13.9	13.9	13.9	15	14.8	14.8	14.8
12	2,3,7,8-TCDD	0	0	0	0	0	0	0	0	0	0	0	0	131	0	0	0
13	Total TCDD	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	33.7	33.7	33.7	33.7	40	20.0	20.0	20.0
14	1,2,3,7,8-PCDD	375.7	375.7	375.7	375.7	375.7	375.7	375.7	375.7	298	298	298	298	291	0.0	0.0	0.0
15	Total PCDD	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	37.2	37.2	37.2	37.2	33	3.3	3.3	3.3
16	1,2,3,4,7,8-HxCDD	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	4.4	4.4	4.4	4.4	46	4.6	4.6	4.6
17	1,2,3,6,7,8-HxCDD	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	2.4	2.4	2.4	2.4	21	2.1	2.1	2.1
18	1,2,3,7,8,9-HxCDD	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	364.2	364.2	364.2	364.2	372	0.0	0.0	0.0
19	Total HxCDD	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	124.9	124.9	124.9	124.9	136	1.4	1.4	1.4
20	1,2,3,4,6,7,8-HpCDD	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	211.7	211.7	211.7	211.7	229	0.0	0.0	0.0
21	Total HpCDD	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	113	113	113	113	132	0.1	0.1	0.1
22	OCDD	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	331	331	331	331	363	36.3	36.3	36.3
23	2,3,7,8-TCDF	8274.0	8274.0	8274.0	8274.0	8274.0	8274.0	8274.0	8274.0	5194	5194	5194	5194	5584	0.0	0.0	0.0
24	Total TCDF	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	844	844	844	844	847	42.4	42.4	42.4
25	1,2,3,7,8-PCDF	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	392	392	392	392	400	200.0	200.0	200.0
26	2,3,4,7,8-PCDF	10419.0	10419.0	10419.0	10419.0	10419.0	10419.0	10419.0	10419.0	6989	6989	6989	6989	7213	0.0	0.0	0.0
27	Total PCDF	3282.0	3282.0	3282.0	3282.0	3282.0	3282.0	3282.0	3282.0	2312	2312	2312	2312	2309	2309.0	2309.0	2309.0
28	1,2,3,4,7,8-HxCDF	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	783	783	783	783	859	85.9	85.9	85.9
29	1,2,3,6,7,8-HxCDF	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	264	264	264	264	293	29.3	29.3	29.3
30	1,2,3,4,6,7,8-HxCDF	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	146	146	146	146	167	16.7	16.7	16.7
31	Total HxCDF	11410.0	11410.0	11410.0	11410.0	11410.0	11410.0	11410.0	11410.0	7356	7356	7356	7356	7474	0.0	0.0	0.0
32	1,2,3,4,6,7,8-HpCDF	3362.0	3362.0	3362.0	3362.0	3362.0	3362.0	3362.0	3362.0	2448	2448	2448	2448	2622	26.2	26.2	26.2
33	Total HpCDF	403.0	403.0	403.0	403.0	403.0	403.0	403.0	403.0	255	255	255	255	315	3.2	3.2	3.2
34	OCDF	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	4950.0	3542	3542	3542	3542	3874	0.0	0.0	0.0
35	Total Cond Avg	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	1154	1154	1154	1154	1615	1.6	1.6	1.6
36																	
37	Gas sample volume (dsct)	111.80	111.80	111.80	111.80	111.80	111.80	111.80	111.80	110.20	110.20	110.20	110.20	108.80	108.80	108.80	108.80
38	O2 (%)	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.3	7.3	7.3	7.3	7.30	7.30	7.30	7.30
39																	
40	PCDD/PCDF (pg in sample)	984.5350	984.5350	984.5350	984.5350	984.5350	984.5350	984.5350	984.5350	692.5660	692.5660	692.5660	692.5660	718.6	718.6	718.6	718.6
41	PCDD/PCDF (ng/dscm @ 7% O2)	0.3180	0.3180	0.3180	0.3180	0.3180	0.3180	0.3180	0.3180	0.2269	0.2269	0.2269	0.2269	0.2385	0.2385	0.2385	0.2385
42																	
43	TEQ Cond Avg	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.2247	0.2247	0.2247	0.2247	8.93	8.93	8.93	8.93
44	Total Cond Avg	9.93	9.93	9.93	9.93	9.93	9.93	9.93	9.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0