

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase II ID No.	2012
4	EPA ID No.	TXD008123317
5	Facility Name	E.I. Du Pont Nemours & Company, Inc.
6	Facility Location	
7	City	Victoria
8	State	TX
9	Unit ID Name/No.	Boiler No. 7
10	Other Sister Facilities	Boiler No. 8
11	Number of Sister Facilities	1
12	Combustor Class	Liquid-fired boiler
13	Combustor Type	Liquid-fired
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	250
16	Soot Blowing	None
17	APCS Detailed Acronym	
18	APCS General Class	
19	APCS Characteristics	
20	Hazardous Wastes	Liq
21	Haz Waste Description	Liq organic wastes (inc. lube oil, HMD oil, VAMT, ADN/LBW, CMC tails), some with chlorinated organics
22	Supplemental Fuel	Natural gas
23		
24	Stack Characteristics	
25	Diameter (ft)	14.6
26	Height (ft)	148
27	Gas Velocity (ft/sec)	16.7
28	Gas Temperature (°F)	340
29		
30	Permitting Status	
	HWC Burn Status (Date if	
31	Terminated)	

	B	C
1	Cond Description	
2		
3	2012C1	
4		
5	Report Name/Date	Source Emssions Survey of E.I. Du Pont De Nemours & Company, Inc. Boiler Number 7 Stack, May 1999
6	Report Prepare	METCO Env
7	Testing Firm	METCO Env
8	Testing Dates	May 17-18, 1999
9	Cond Dates	May-99
10	Condition Descr	Trial burn; DRE
11	Content	Monochlorobenzene DRE, CO
12		
13	2012C2	
14		
15	Report Name/Date	Source Emssions Survey of E.I. Du Pont De Nemours & Company, Inc. Boiler Number 7 Stack, May 1999
16	Report Prepare	METCO Env
17	Testing Firm	METCO Env
18	Testing Dates	May 18-21, 1999
19	Cond Dates	May-99
20	Condition Descr	Risk burn
21	Content	PM, CO, HCl/Cl2, Cr+6, PCDD/PCDF

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions											
2												
3		Comments	Units	7% O2								
4												
5												
6	2012C1	DRE BURN				R1		R2		R3		Cond Avg
7												
8	POHC DRE	Monochlorobenzene										
9	Feed rate											
10	Emission Rate	E1	lb/hr		nd	0.0018	nd	0.0020	nd	0.0019		
11	DRE	E1	%		>	99.9980	>	99.9980	>	99.9980		
12												
13	CO (RA)	E1	ppmv	y		2.15		2.49		2.20		2.28
14												
15	Sampling Train	Chlorobenzene	E1									
16	Stack Gas Flowrate		dscfm			111166		110844		105614		109208
17	O2		%			14.6		14.6		14.4		14.5
18	Moisture		%			8.55		8.57		8		8.4
19	Temperature		°F			324		328		331		327.7
20												
21	2012C2	Risk Burn				R1		R2		R3		Cond Avg
22												
23	PM	E1	gr/dscf	y		0.0022		0.0021		0.0021		0.0021
24	CO (RA)	E1	ppmv	y		1.2		0.9		0.75		0.95
25	HCl		ppmv	n		0.85		0.65		0.41		0.64
26	Cl2		ppmv	n		0.03		0.01		0.01		0.02
27	Chromium (Hex)		lb/hr			0.007		0.007		0.01		0.008
28												
29	Sampling Train	PM, HCl/Cl2	E1									
30	Stack Gas Flowrate		dscfm			100701		99408		97558		99222.3
31	O2		%			9		10.1		9.2		9.4
32	Moisture		%			13.89		14.26		14.25		14.1
33	Temperature		°F			344		347		352		347.7
34												
35	Sampling Train	Cr+6	E2									
36	Stack Gas Flowrate		dscfm			93879		94410		105027		97772.0
37	O2		%			9		10.1		9.2		9.4
38	Moisture		%			13.08		15.35		15.45		14.6
39	Temperature		°F			347		359		356		354.0
40												
41	Sampling Train	PCDD/PCDF	E3									
42	Stack Gas Flowrate		dscfm			100943		97420		94853		97738.7
43	O2		%			9.4		10.1		9.1		9.5
44	Moisture		%			13.56		13.72		14.51		13.9
45	Temperature		°F			356		355		355		355.3
46												
47	HCl	E1	ppmv	y		0.99		0.83		0.49		0.77
48	Cl2	E1	ppmv	y		0.06		0.02		0.02		0.04
49	Total Chlorine	E1	ppmv	y		1.11		0.88		0.53		0.86
50	Chromium (Hex)	E2	µg/dscm	y		23.26		25.46		30.20		26.48

	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
1	Feedstreams																									
2																										
3	2012C1	DRE Burn																								
4																										
5	Feedstream Number																									
6	Feed Class																									
7	Feed Class 2																									
8	Feedstream Description																									
9	Feed Rate	lb/hr																								
10	Feed Rate	scfh																								
11	Stack Gas Flowrate	dscfm																								
12	Oxygen	%																								
13	Estimated Firing Rate	MMBtu/hr																								
14																										
15																										
16																										
17	2012C2	Risk Burn																								
18																										
19	Feedstream Number																									
20	Feed Class																									
21	Feed Class 2																									
22	Feedstream Description																									
23	Feed Rate	lb/hr																								
24	Feed Rate	scfh																								
25	Density	g/mL																								
26	Heating Value	Btu/lb																								
27	Viscosity	cSt																								
28	Ash	%																								
29	Chlorine	ppmw																								
30	Antimony	ppmw																								
31	Arsenic	ppmw																								
32	Barium	ppmw																								
33	Beryllium	ppmw																								
34	Cadmium	ppmw																								
35	Chromium	ppmw																								
36	Cobalt	ppmw																								
37	Cumene	ppmw																								
38	Lead	ppmw																								
39	Manganese	ppmw																								
40	Mercury	ppmw																								
41	Molybdenum	ppmw																								
42	Nickel	ppmw																								
43	Selenium	ppmw																								
44	Silver	ppmw																								
45	Thallium	ppmw																								
46	Vanadium	ppmw																								
47	Chromium (Hex)	ppmw																								
48																										
49	Stack Gas Flowrate	dscfm																								
50	Oxygen	%																								
51																										
52	Thermal Feedrate	MMBtu/hr																								
53	Estimated Firing Rate	MMBtu/hr																								
54																										
55	Feedrate MTEC Calculations																									
56	Ash	mg/dscm																								
57	Chlorine	ug/dscm																								
58	Antimony	ug/dscm																								
59	Arsenic	ug/dscm																								
60	Barium	ug/dscm																								

	B	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BR	BS	BT	BU	BV	BW	BX
1	Feedstreams																		
2																			
3	2012C1	R3	Cond Avg	F6	R1	R2	R3	Cond Avg	R1	R2	R3	Cond Avg	R1	R2	R3	R3	R3		Cond Avg
4	Feedstream Number	F6	NG	F6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F8	F8	F8	F8		F8
5	Feed Class	NG		Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total		Total
6	Feed Class 2			Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total		Total
7	Feedstream Descriptor	Nat Gas	Nat Gas	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total		Total
8	Feed Rate	20000	20000																
9	Stack Gas Flowrate																		109208.0
10	Oxygen																		14.5
11	Estimated Firing Rate																		224.2
12																			
13	2012C2	R3	Cond Avg	F6	R1	R2	R3	Cond Avg	R1	R2	R3	Cond Avg	R1	R2	R3	R3	R3		Cond Avg
14	Feedstream Number	F6	NG	F6	F7	F7	F7	F7	F7	F7	F7	F7	F7	F8	F8	F8	F8		F8
15	Feed Class	NG		Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total		Total
16	Feed Class 2			Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total		Total
17	Feedstream Descriptor	Nat Gas	Nat Gas	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Total	Total	Total	Total		Total
18	Feed Rate	72800	70000																
19	Density																		
20	Heating Value																		
21	Viscosity																		
22	Ash																		
23	Chlorine																		
24	Antimony																		
25	Arsenic																		
26	Barium																		
27	Beryllium																		
28	Cadmium																		
29	Chromium																		
30	Cobalt																		
31	Cumene																		
32	Lead																		
33	Manganese																		
34	Mercury																		
35	Molybdenum																		
36	Nickel																		
37	Selenium																		
38	Silver																		
39	Thallium																		
40	Vanadium																		
41	Chromium (Hex)																		
42																			
43	Stack Gas Flowrate																		
44	Oxygen																		
45																			
46	Thermal Feedrate																		
47	Estimated Firing Rate																		
48																			
49	Feedrate MTEC Calcult																		
50	Ash																		
51	Chlorine																		
52	Antimony																		
53	Arsenic																		
54	Barium																		

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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
61	Beryllium	ug/dscm	100	0.4 100	0.4 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0
62	Cadmium	ug/dscm	100	0.4 100	0.4 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0
63	Chromium	ug/dscm	100	15.6	10.3 100	11.5 100	27.6	26.2	11.9 100	23.3	47.3	4.6 100	4.6 100	23.6	23.6	22.4	22.4	32.7	32.7	0.2	0.2	0.1 nd	0.1 nd	0.0	0.0
64	Cobalt	ug/dscm	100	5.1 100	5.1 100	5.7 100	5.7 100	6.0 100	6.0 100	5.7 100	2.3 100	2.3 100	2.3 100	2.3 100	2.3 100	1.3 100	1.3 100	2.0 nd	2.0 nd	1.0 nd	1.0 nd	0.9 nd	0.9 nd	0.8	0.8
65	Cumene	ug/dscm	100	0.4 100	0.4 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.1 100	0.1 100	0.2 100	0.2 100	0.1 100	0.1 100	0.1	0.1	0.4	0.4	0.1	0.1	0.4	0.4
66	Lead	ug/dscm	100	3.1 100	3.1 100	3.4 100	3.4 100	3.6 100	3.6 100	3.4 100	1.4 100	1.4 100	1.4 100	1.4 100	1.4 100	0.8 100	0.8 100	1.2 nd	1.2 nd	0.3 nd	0.3 nd	0.3 nd	0.3 nd	0.2	0.2
67	Manganese	ug/dscm	100	0.9 100	0.9 100	1.0 100	1.0 100	1.0 100	1.0 100	1.0 100	0.4 100	0.4 100	0.4 100	0.4 100	0.4 100	0.2 100	0.2 100	0.3 nd	0.3 nd	0.1 nd	0.1 nd	0.1 nd	0.1 nd	0.1	0.1
68	Mercury	ug/dscm	100	8.2 100	8.2 100	9.2 100	9.2 100	9.5 100	9.5 100	9.1 100	3.7 100	3.7 100	3.7 100	3.6 100	3.6 100	2.0 100	2.0 100	3.3 nd	3.3 nd	0.8 nd	0.8 nd	0.7 nd	0.7 nd	0.6	0.6
69	Molybdenum	ug/dscm	100	1.0 100	1.0 100	0.9 100	0.9 100	1.0 100	1.0 100	1.0	8.3	8.3	8.3	4.2	4.2	4.0	4.0	5.8	5.8	1.0	1.0	1.0	1.0	0.2	0.2
70	Nickel	ug/dscm	100	0.8 100	0.8 100	0.9 100	0.9 100	1.0 100	1.0 100	0.9	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.3	2.2	2.2	0.6	0.6	0.5	0.5
71	Selenium	ug/dscm	100	0.4 100	0.4 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 nd	0.1 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0
72	Silver	ug/dscm	100	0.4 100	0.4 100	0.5 100	0.5 100	0.5 100	0.5 100	0.5 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 100	0.1 nd	0.1 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0
73	Thallium	ug/dscm	100	10.3 100	10.3 100	11.5 100	11.5 100	11.9 100	11.9 100	11.4 100	4.6 100	4.6 100	4.6 100	4.5 100	4.5 100	2.5 100	2.5 100	4.1 nd	4.1 nd	1.0 nd	1.0 nd	0.9 nd	0.9 nd	0.8	0.8
74	Vanadium	ug/dscm	100	0.8 100	0.8 100	0.5 100	0.5 100	0.5 100	0.5 100	0.9 100	0.2 100	0.2 100	0.2 100	0.3 100	0.3 100	0.1 100	0.1 100	0.2	0.2	0.4	0.4	0.2	0.2	0.1	0.1
75	Chromium (Hex)	ug/dscm	100	16.9 4.8	16.9 4.8	28.9 5.17	28.9 5.17	27.6 5.6	27.6 5.6	24.7 0.97	47.8 1.9	47.8 1.9	47.8 1.9	24.0 1.1	24.0 1.1	22.7 1.2	22.7 1.2	33.2	33.2	0.2	0.2	0.1	0.1	0.1	0.1
76																									
77	SVM	ug/dscm	100	0.8 100	0.8 100	0.5 100	0.5 100	0.5 100	0.5 100	0.9 100	0.2 100	0.2 100	0.2 100	0.3 100	0.3 100	0.1 100	0.1 100	0.2	0.2	0.4	0.4	0.2	0.2	0.1	0.1
78	LVM	ug/dscm	7.3	16.9 4.8	16.9 4.8	28.9 5.17	28.9 5.17	27.6 5.6	27.6 5.6	24.7 0.97	47.8 1.9	47.8 1.9	47.8 1.9	24.0 1.1	24.0 1.1	22.7 1.2	22.7 1.2	33.2	33.2	0.2	0.2	0.1	0.1	0.1	0.1

B	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	BA	BB	BC	BD	BE		
61	Beryllium	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6					0.6	
62	Cadmium	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6					0.6	
63	Chromium	0.1	0.5	1.4 nd	0.7	1.6 nd	0.7	0.7	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	64.0	64.0	52.3	49.8	49.8	57.2	57.2					57.2		
64	Cobalt	0.9 nd	0.7 nd	1.4 nd	0.8	1.6 nd	1.5	1.5	1.5 nd	1.5 nd	1.0 nd	1.0 nd	1.1 nd	1.1 nd	1.0	1.0	1.0	1.0	18.3	18.3	19.6	19.6	17.8	18.9	18.9					18.9		
65	Cumene	1.1 nd	0.7 nd	0.7 nd	0.8	0.8 nd	0.8	0.8	0.8 nd	0.8 nd	0.5 nd	0.5 nd	0.5 nd	0.5 nd	0.5	0.5	0.5	0.5	11.3	11.3	9.8	9.8	8.9	10.1	10.1					10.1		
66	Lead	0.2 nd	0.0 nd	0.0 nd	0.0	0.0 nd	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.4	0.3	0.3	0.2	0.2	1.0	1.0	1.2	1.2	1.0	1.0	1.0					1.0		
67	Manganese	0.3 nd	0.4 nd	0.4 nd	0.5	0.5 nd	0.5	0.5	0.5 nd	0.5 nd	0.3 nd	0.3 nd	0.3 nd	0.3 nd	0.3	0.3	0.3	0.3	5.5	5.5	5.9	5.9	5.3	5.7	5.7					5.7		
68	Mercury	0.1 nd	0.1 nd	0.1 nd	0.1	0.1 nd	0.1	0.1	0.1 nd	0.1 nd	0.1 nd	0.1 nd	0.1 nd	0.1 nd	0.1	0.1	0.1	0.1	1.5	1.5	1.7	1.7	1.5	1.6	1.6					1.6		
69	Molybdenum	0.7 nd	1.1 nd	1.1 nd	1.2	1.3 nd	1.2	1.2	1.2 nd	1.2 nd	0.8 nd	0.8 nd	0.9 nd	0.9 nd	0.8	0.8	0.8	0.8	14.7	14.7	15.7	15.7	14.2	15.2	15.2					15.2		
70	Nickel	0.5	0.7	0.7	0.5	0.5	0.4	0.4	0.5 nd	0.5 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.1	0.1	11.0	11.0	5.8	5.8	5.5	12	7.9					7.9		
71	Selenium	1.1 nd	0.1 nd	0.1 nd	0.1	0.1 nd	0.1	0.1	0.1 nd	0.1 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0	0.0	3.5	3.5	1.8	1.8	1.8	3.9	2.4					2.4		
72	Silver	0.0 nd	0.0 nd	0.0 nd	0.0	0.0 nd	0.0	0.0	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6					0.6		
73	Thallium	0.0 nd	0.0 nd	0.0 nd	0.0	0.0 nd	0.0	0.0	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0 nd	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6					0.6		
74	Vanadium	0.9	275.8	313.7	297.4	313.7	297.4	297.4	178.5 nd	178.5 nd	1.0 nd	1.0 nd	1.1 nd	1.1 nd	1.0	1.0	1.0	1.0	292.7	292.7	331.6	331.6	313.7	100	195.9					195.9		
75	Chromium (Hex)																															
76																																
77	SVM	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.3	0.3	1.5	1.5	1.3	1.3	1.1	1.00	1.6					1.6		
78	LVM	0.2	0.6	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.4	0.4	0.4	0.4	0.6	0.6	0.5	0.5	65.9	65.9	54.3	54.3	51.7	3.4	59.2					59.2		

	B	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	
61	Beryllium												100	0.6	100		0.6	100	0.6	100	0.6
62	Cadmium												100	0.6	100		0.6	100	0.6	100	0.6
63	Chromium					2385.2		2625.5		2503.8		2511.4		2449.2		2677.8		2553.6		2560.2	
64	Cobalt												100	18.3	100		19.6	100	17.8	100	18.6
65	Cumene												100	11.3	100		9.8	100	8.9	100	10.0
66	Lead												100	1.0	100		1.2	100	1.0	100	1.0
67	Manganese												100	5.5	100		5.9	100	5.3	100	5.6
68	Mercury												100	1.5	100		1.7	100	1.5	100	1.6
69	Molybdenum												100	14.7	100		15.7	100	14.2	100	14.8
70	Nickel												6	11.0	16		5.8	17	5.5	12	7.5
71	Selenium												2	3.5	50		1.8	54	1.8	39	2.4
72	Silver												100	0.6	100		0.6	100	0.6	100	0.6
73	Thallium												100	0.6	100		0.6	100	0.6	100	0.6
74	Vanadium												100	292.7	100		331.6	100	313.7	100	312.7
75	Chromium (Hex)					2385.2		2625.5		2503.8		2511.4		2385.2		2625.5		2503.8		2504.8	
76																					
77	SVM					2385.2		2625.5		2503.8		2511.4		2451.102		2679.8		2555.5		2562.1	
78	LVM												100	1.5	100		1.3	100	1.1	100	1.3

	A	B	C
1	Process Information		
2			
3	2012C1		
4			
5	Steam Rate	lb/hr	204300
6			
7	2012C2		
8			
9	Steam Rate	lb/hr	360000

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	PCDD/PCDF			Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ
2	N			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
3	Facility Name and ID:	E.I. Du Pont De Nemours & Company, Inc., Victoria, TX															
4	Condition ID:	2012C2															
5	Condition/Test Date:	Risk burn, May 18-21, 1999															
7		I-TEF															
8		Wght Fact															
10	Detected in sample volume (ng)																
11	2,3,7,8-TCDD	1	nd	0.013	0.0130	0.007	0.0065	nd	0.007	0.0070	0.004	0.0035	nd	0.008	0.0080	0.004	0.0040
12	TCDD Total	0		0.009	0.0000	0.009	0.0000	nd	0.013	0.0000	0.007	0.0000	nd	0.011	0.0000	0.006	0.0000
13	1,2,3,7,8-PCDD	0.5	nd	0.008	0.0040	0.004	0.0020	nd	0.004	0.0020	0.002	0.0010	nd	0.005	0.0025	0.003	0.0013
14	PCDD Total	0	nd	0.008	0.0000	0.004	0.0000	nd	0.004	0.0000	0.002	0.0000	nd	0.005	0.0000	0.003	0.0000
15	1,2,3,4,7,8-HxCDD	0.1	nd	0.007	0.0007	0.004	0.0004	nd	0.006	0.0006	0.003	0.0003	nd	0.010	0.0010	0.005	0.0005
16	1,2,3,6,7,8-HxCDD	0.1	nd	0.007	0.0007	0.004	0.0004	nd	0.006	0.0006	0.003	0.0003	nd	0.010	0.0010	0.005	0.0005
17	1,2,3,7,8,9-HxCDD	0.1	nd	0.006	0.0006	0.003	0.0003	nd	0.006	0.0006	0.003	0.0003	nd	0.009	0.0009	0.005	0.0005
18	HxCDD Total	0		0.003	0.0000	0.003	0.0000	nd	0.006	0.0000	0.003	0.0000	nd	0.010	0.0000	0.005	0.0000
19	1,2,3,4,6,7,8-HpCDD	0.01		0.007	0.0001	0.007	0.0001		0.004	0.0000	0.004	0.0000		0.003	0.0000	0.003	0.0000
20	HpCDD Total	0		0.011	0.0000	0.011	0.0000		0.004	0.0000	0.004	0.0000		0.005	0.0000	0.005	0.0000
21	OCDD	0.001		0.023	0.0000	0.023	0.0000		0.012	0.0000	0.012	0.0000		0.016	0.0000	0.016	0.0000
22	2,3,7,8-TCDF	0.1	nd	0.012	0.0012	0.006	0.0006	nd	0.009	0.0009	0.005	0.0005	nd	0.007	0.0007	0.004	0.0004
23	TCDF Total	0	nd	0.014	0.0000	0.007	0.0000	nd	0.009	0.0000	0.005	0.0000	nd	0.011	0.0000	0.006	0.0000
24	1,2,3,7,8-PCDF	0.05	nd	0.009	0.0005	0.005	0.0002	nd	0.005	0.0003	0.003	0.0001	nd	0.007	0.0004	0.004	0.0002
25	2,3,4,7,8-PCDF	0.5	nd	0.009	0.0045	0.005	0.0023	nd	0.005	0.0025	0.003	0.0013	nd	0.006	0.0030	0.003	0.0015
26	PCDF Total	0	nd	0.009	0.0000	0.005	0.0000	nd	0.005	0.0000	0.003	0.0000	nd	0.007	0.0000	0.004	0.0000
27	1,2,3,4,7,8-HxCDF	0.1	nd	0.003	0.0003	0.003	0.0003	nd	0.002	0.0002	0.002	0.0002	nd	0.001	0.0001	0.001	0.0001
28	1,2,3,6,7,8-HxCDF	0.1	nd	0.004	0.0004	0.002	0.0002	nd	0.002	0.0002	0.001	0.0001	nd	0.002	0.0002	0.001	0.0001
29	2,3,4,6,7,8-HxCDF	0.1	nd	0.005	0.0005	0.003	0.0003	nd	0.003	0.0003	0.002	0.0002	nd	0.002	0.0002	0.001	0.0001
30	1,2,3,7,8,9-HxCDF	0.1	nd	0.006	0.0006	0.003	0.0003	nd	0.004	0.0004	0.002	0.0002	nd	0.003	0.0003	0.002	0.0002
31	HxCDF Total	0		0.006	0.0000	0.006	0.0000		0.002	0.0000	0.002	0.0000		0.001	0.0000	0.001	0.0000
32	1,2,3,4,6,7,8-HpCDF	0.01		0.007	0.0001	0.007	0.0001		0.003	0.0000	0.003	0.0000		0.003	0.0000	0.003	0.0000
33	1,2,3,4,7,8,9-HpCDF	0.01		0.002	0.0000	0.002	0.0000	nd	0.006	0.0001	0.003	0.0000	nd	0.006	0.0001	0.003	0.0000
34	HpCDF Total	0		0.008	0.0000	0.008	0.0000		0.003	0.0000	0.003	0.0000		0.003	0.0000	0.003	0.0000
35	OCDF	0.001		0.014	0.0000	0.014	0.0000		0.009	0.0000	0.009	0.0000		0.009	0.0000	0.009	0.0000
36				154.89	154.89	154.89	154.89		145.23	145.23	145.23	145.23		142.71	142.71	142.71	142.71
37	Gas sample volume (dscf)			9.40	9.40	9.40	9.40		10.1	10.1	10.1	10.1		9.10	9.10	9.10	9.10
38	O2 (%)																
39				0.0271	0.1	0.0138	0.1		0.0157	0.049	0.080	0.080		0.0184	0.1	0.0093	0.0093
40	PCDD/PCDF (ng in sample)		98.2	0.0075	0.025	0.0038	98.1		0.0049	0.015	0.025	0.025	99.0	0.0054	0.016	0.0027	0.0027
41	PCDD/PCDF (ng/dscm @ 7% O2)																
42																	
43	TEQ Cond Avg	0.00300															
44	Total Cond Avg	0.019															