

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase II ID No.	3019
4	EPA ID No.	PRD090021056
5	Facility Name	Squibb Manufacturing, Inc.
6	Facility Location	
7	City	Humacao
8	State	Puerto Rico
9	Unit ID Name/No.	Caloric 2 unit
10	Other Sister Facilities	Caloric 1 unit, Trane incinerator
11	Number of Sister Facilities	2
12	Combustor Class	Onsite incinerator
13	Combustor Type	Liquid injection
14	Combustor Characteristics	Vertically-fired liquid injection incinerator. Model No. AVS-1600 installed in 1988
15	Capacity (MMBtu/hr)	
16	Soot Blowing	
17	APCS Detailed Acronym	Q/VS/PT/CHEAF
18	APCS General Class	WQ, HEWS, LEWS
19	APCS Characteristics	Quench, venturi scrubber. CHEAF to enhance PM removal. Packed bed tower reduces the HCl emissions by treating the effluent gas with caustic soda solution.
20	Hazardous Wastes	Liq
21	Haz Waste Description	Water spent solvent generated during the manufacturing process which are not amenable to recovery or re-use.
22	Supplemental Fuel	Misc fuel
23		Kerosene
24		
25	Stack Characteristics	
26	Diameter (ft)	1.67
27	Height (ft)	47.8
28	Gas Velocity (ft/sec)	
29	Gas Temperature (°F)	200
30		
31	Permitting Status	Tier I for all metal except Hg, As, Cr (tier III)
32	HWC Burn Status (Date if Terminated)	

	B	C
1	Condition Description	
2		
3	3019C1	
4		
5	Report Name/Date	Final Trial Burn Report for Caloric 2 Incinerator. November 1998
6	Report Prepare	ENSR Corporation
7	Testing Firm	ENSR Corporation
8	Testing Dates	August 27-28, 1998
9	Cond Dates	Aug-98
10	Condition Descr	Trial burn, min oper temp cond
11	Content	PM, DRE, HCl/Cl ₂ , CO, PCDD/F
12		
13	3019C2	
14		
15	Report Name/Date	Final Trial Burn Report for Caloric 2 Incinerator. November 1998
16	Report Prepare	ENSR Corporation
17	Testing Firm	ENSR Corporation
18	Testing Dates	August 21-22, 1998
19	Cond Dates	Aug-98
20	Condition Descr	Trial burn, elevated oper temp cond
21	Content	PM, metals, HCl/Cl ₂ , PCDD/F
22		
23	3019C3	
24		
25	Report Name/Date	Final Trial Burn Report for Caloric 2 Incinerator. November 1998
26	Report Prepare	ENSR Corporation
27	Testing Firm	ENSR Corporation
28	Testing Dates	September 2, 1998
29	Cond Dates	Sep-98
30	Condition Descr	Trial burn, min oper temp retest
31	Content	DRE

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Stack Gas Emissions 1													
2														
3		Comments	Units	7% O2										
4														
5														
6	3019C1	Trial Burn				R1		R2		R3		R4		Cond Avg
7														
8	PM	E1	gr/dscf	y		0.0236		0.0235		0.0217		0.0215		0.0226
9	CO (RA)	E1	ppmv	y		30		3.1		3.6		7.3		11.0
10														
11	NOx		ppmv	n		134.4		120.6		122.20		115.1		
12	HCl		lb/hr			0.0449		0.0281		0.0358		0.0202		
13	Cl2		lb/hr		nd	0.0005		0.0031		0.0157		0.0149		
14														
15	POHC DRE	Monochlorobenzene												
16	POHC Feedrate		lb/hr			10.6		10.6		10.6		11		
17	Emission Rate	E2	lb/hr			1.37E-04		8.08E-05		1.10E-04		1.53E-04		
18	DRE	E2	%			99.9987		99.9992		99.999		99.9986		
19														
20	POHC DRE	1,2-Dichlorobenzene												
21	POHC Feedrate		lb/hr			5.29		5.3		5.3		5.3		
22	Emission Rate	E2	lb/hr			1.60E-04		7.90E-05		4.00E-04		1.50E-04		
23	DRE	E2	%			99.997		99.9985		99.9924		99.9972		
24														
25	POHC DRE	Methylene Chloride												
26	POHC Feedrate		lb/hr			554.39		559.29		559.56		559		
27	Emission Rate	E2	lb/hr		nd	7.00E-03	nd	7.00E-03	nd	7.10E-03	nd	6.80E-03		
28	DRE	E2	%			99.9987		99.9854		99.9987		99.9988		
29														
30	Sampling Train	PM, HCl/Cl2		E1										
31	Stack Gas Flowrate		dscfm			6649		6681		6999		6549.0		6719.5
32	O2		%			5.7		6.1		6.2		6.1		6.0
33	Moisture		%			13.7		12.9		13.4		13.1		13.3
34	Temperature		°F			196		200		200		201.0		199.3
35														
36	Sampling Train	DRE		E2										
37	Stack Gas Flowrate		dscfm			6575		6718		6430		6578		6575.3
38	O2		%											
39	Moisture		%											
40	Temperature		°F											
41														
42	Sampling Train	PCDD/F		E3										
43	Stack Gas Flowrate		dscfm			6387		6310		6424		6173.0		6323.5
44	O2		%			5.7		6.1		6.2		6.1		6.0
45	Moisture		%			13.9		13.4		13.1		12.9		13.3
46	Temperature		°F											
47														
48	NOx	E1	ppmv	y		123.0		113.3		115.6		108.1		115.01
49	HCl	E1	ppmv	y		1.1		0.7		0.9		0.5		0.80
50	Cl2	E1	ppmv	y	nd	0.006		0.039		0.190		0.2		0.12
51	Total Chlorine	E1	ppmv	y		1.12		0.78		1.24		1.01		1.04
52														
53	3019C2	Trial Burn				R1		R2		R3		R4		Cond Avg
54														
55	PM	E1	gr/dscf	y		0.0295		0.0139		0.0207				0.0214
56	CO (RA)	E1	ppmv	y		0		0		0				0
57														
58	NOx		ppmv	n		132.1		136.2		127.6				
59	HCl		lb/hr			0.0175		0.0405		0.0165				
60	Cl2		lb/hr			0.0138		0.0186		0.0138				
61														
62	Chromium (Hex)		ug/dscm	n	nd	0.42	nd	0.44	nd	0.43				
63	Arsenic		ug/dscm	n	nd	1.26	nd	1.23		1.49				
64	Beryllium		ug/dscm	n	nd	0.13	nd	0.12	nd	0.12				
65	Cadmium		ug/dscm	n	nd	0.25		0.66		0.56				
66	Chromium		ug/dscm	n		2.44		2.83		3.13				
67	Mercury		ug/dscm	n		3.93		5.06		5.51				
68	Antimony		ug/dscm	n		4.67		4.55		4.06				
69	Barium		ug/dscm	n		0.08		0.04		0.64				
70	Lead		ug/dscm	n	nd	2.53	nd	2.46	nd	2.41				
71	Silver		ug/dscm	n	nd	1.26	nd	1.23	nd	1.21				

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
72	Thallium		ug/dscm	n	nd	7.58	nd	7.38	nd	7.23				
73	Nickel		ug/dscm	n		1.73		1.85		3.7				
74	Selenium		ug/dscm	n	nd	7.58	nd	7.38	nd	7.23				
75														
76	Sampling Train	PM, HCl/Cl2	E1											
77	Stack Gas Flowrate		dscfm			6437		6363		6502				6434.0
78	O2		%			4.6		4.8		5.2				4.9
79	Moisture		%			16		15.3		15.6				15.6
80	Temperature		°F			200		202		201				201.0
81														
82	Sampling Train	metals	E2											
83	Stack Gas Flowrate		dscfm			6442		6070		6604				6372.0
84	O2		%			4.6		4.8		5.2				4.9
85	Moisture		%			91		92.7		83.5				89.1
86	Temperature		°F			208		208		203				206.3
87														
88	Sampling Train	Cr+6	E3											
89	Stack Gas Flowrate		dscfm			6602		6671		6729				6667.3
90	O2		%			4.6		4.8		5.2				4.9
91	Moisture		%			16.6		15.9		16.6				16.4
92	Temperature		°F			210		213		213				212.0
93														
94	Sampling Train	PCDD/F	E4											
95	Stack Gas Flowrate		dscfm			6128		6330		6423				6293.7
96	O2		%			4.6		4.8		5.2				4.9
97	Moisture		%			16.6		16.4		15.9				16.3
98	Temperature		°F											
99														
100	NOx	E1	ppmv			112.8		117.7		113.1				114.5
101	HCl	E1	ppmv	y		0.4		1.0		0.4				0.6
102	Cl2	E1	ppmv	y		0.2		0.2		0.2				0.2
103	Total Chlorine	E1	ppmv	y		0.75		1.45		0.74				1.0
104														
105	Chromium (Hex)	E3	ug/dscm	y	nd	0.36	nd	0.38	nd	0.38			100	0.4
106	Arsenic	E2	ug/dscm	y	nd	1.08	nd	1.05	nd	1.27			100	1.1
107	Beryllium	E2	ug/dscm	y	nd	0.11	nd	0.10	nd	0.10			100	0.1
108	Cadmium	E2	ug/dscm	y	nd	0.21		0.56		0.48			17	0.4
109	Chromium	E2	ug/dscm	y		2.08		2.42		2.67				2.4
110	Mercury	E2	ug/dscm	y		3.35		4.32		4.70				4.1
111	Antimony	E2	ug/dscm	y		3.99		3.88		3.47				3.8
112	Barium	E2	ug/dscm	y		0.07		0.03		0.55				0.2
113	Lead	E2	ug/dscm	y	nd	2.16	nd	2.10	nd	2.06			100	2.1
114	Silver	E2	ug/dscm	y	nd	1.08	nd	1.05	nd	1.03			100	1.1
115	Thallium	E2	ug/dscm	y	nd	6.47	nd	6.30	nd	6.17			100	6.3
116	Nickel	E2	ug/dscm	y		1.48		1.58		3.16				2.1
117	Selenium	E2	ug/dscm	y	nd	6.47	nd	6.30	nd	6.17			100	6.3
118	SVM	E2	ug/dscm	y	100	2.37	78.8	2.66	81	2.54			86	2.5
119	LVM	E2	ug/dscm	y	36	3.27	32.3	3.57	34	4.05			34	3.6
120														
121	3019C3	Trial Burn					R1		R2		R3		R4	Cond Avg
122														
123	POHC DRE	Methylene Chloride												
124	POHC Feedrate		lb/hr			552.8		552.85		552.54				
125	Emission Rate	E1	lb/hr		nd	6.80E-03	nd	6.70E-03	nd	6.70E-03				
126	DRE	E1	%			99.9988		99.9988		99.9988				
127														
128	Sampling Train	DRE	E1											
129	Stack Gas Flowrate		dscfm			6403		6357		6355				6372
130	O2		%			6.2		6.2		6.2				6
131	Moisture		%											
132	Temperature		°F											

	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
1	Feedstream																								
2																									
3																									
4	3019C1																								
5	Trial burn																								
6	Feedstream Number																								
7	Feed Class																								
8	Feed Class 2																								
9	Feedstream Description																								
10	Feed Rate	lb/hr																							
11	Feed Rate	gpm																							
12	Thermal Feedrate	MM Btu/hr																							
13	Heating Value	Btu/lb																							
14	Density	g/ml																							
15	Viscosity	cSt																							
16	Ash	%																							
17	Chlorine	lb/hr																							
18																									
19	Stack Gas Flowrate	dscfm																							
20	Oxygen	%																							
21																									
22	Thermal Feedrate	MMBtu/hr																							
23	Estimated Firing Rate	MMBtu/hr																							
24																									
25	Feedrate MTEC Calculations																								
26	Ash	mg/dscm																							
27	Chlorine	ug/dscm																							
28																									
29	3019C2																								
30	Trial burn																								
31	Feedstream Number																								
32	Feed Class																								
33	Feed Class 2																								
34	Feedstream Description																								
35	Feed Rate	lb/hr																							
36	Feed Rate	gpm																							
37	Thermal Feedrate	MM Btu/hr																							
38	Heating Value	Btu/lb																							
39	Density	g/ml																							
40	Viscosity	cSt																							
41	Ash	%																							
42	Chlorine	lb/hr																							
43	Mercury	lb/hr																							
44	Silver	lb/hr																							
45	Arsenic	lb/hr																							
46	Barium	lb/hr																							
47	Beryllium	lb/hr																							
48	Cadmium	lb/hr																							
49	Chromium	lb/hr																							
50	Nickel	lb/hr																							
51	Lead	lb/hr																							
52	Antimony	lb/hr																							
53	Selenium	lb/hr																							
54	Thallium	lb/hr																							
55	Chromium (Hex)	lb/hr																							
56																									
57	Stack Gas Flowrate	dscfm																							
58	Oxygen	%																							
59																									
60	Thermal Feedrate	MMBtu/hr																							

B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AN	AO	AP	AQ	AR
1	Feedstream																
2																	
3																	
4																	
5																	
6																	
7																	
8																	
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	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
61	Estimated Firing Rate				33.5		32.7		32.6										33.0
62																			
63	Feedrate MTEC Calculations																		
64	Ash		0.6		6924.0		7312.8		6953.3		7063.4								
65	Chlorine			21119009		21639272		21632624		21463635									
66	Mercury			7.7		8.0		7.8		7.9									
67	Silver			25.1		2.6		2.7		10.2									
68	Arsenic			63.9		60.0		31.5		51.8									
69	Barium			3.3		3.2		3.1		3.2									
70	Beryllium			0.1		0.2		0.4		0.3									
71	Cadmium			0.2		0.2		0.4		0.5									
72	Chromium			46.4		48.0		52.7		49.0									
73	Nickel			29.0		28.0		33.2		30.1									
74	Lead			58.0		11.8		50.7		40.2									
75	Antimony			2.9		3.0		5.9		7.8									
76	Selenium			5.8		6.0		11.7		15.7									
77	Thallium			5.8		6.0		11.7		15.7									
78	Chromium (Hex)			320.2		319.4		320.2		320.0									
79	SVM			58.2		12.0		51.1		40.4									
80	LVM			430.7		427.5		404.6		417.4									
81																			
82																			
83	3019C3																		
84																			
85	Feedstream Number				F4		F4		F4		F4								
86	Feed Class				Total		Total		Total		Total								
87	Feed Class 2				Total		Total		Total		Total								
88	Feedstream Description				Total		Total		Total		Total								
89	Feed Rate				5183.64		5178.85		5174.81		5179.1								
90	Feed Rate																		
91	Thermal Feedrate																		
92	Heating Value																		
93	Density																		
94	Viscosity																		
95	Ash																		
96	Chlorine				573		574		575.6		574.2								
97																			
98	Stack Gas Flowrate				6434														
99	Oxygen				5														
100																			
101	Thermal Feedrate				6.0		6.0		6.0		6.0								
102	Estimated Firing Rate				33.5		33.5		33.5		33.5								
103																			
104	Feedrate MTEC Calculations																		
105	Ash				6238.0		6567.2		6449.0		6418.1								
106	Chlorine				20317650		20844004		20973115		20711590								

	B	C	D	E	F	G	H
1	Process Information						
2							
3	3019C1 Trial burn			R1	R2	R3	R4
4							
5	Combustion Chamber Temp (min)	°F		1977	1985	1985	1981
6	Quench Tank pH	pH		8.6	8.1	8.3	7.7
7	Quench Blowdown Rate	gpm		42.4	39.3	36.3	40.3
8	Venturi Press. Drop	in W.C		85.00	86	86	86
9	Incinerator Press.	psig		-0.1	-0.1	-0.1	-0.1
10							
11	3019C2 Trial burn			R1	R2	R3	
12							
13	Combustion Chamber Temp (min)	°F		2097.0	2097	2092	
14	Quench Tank pH	pH		7.30	7.5	7.7	
15	Quench Blowdown Rate	gpm		29.3	36.4	34.8	
16	Venturi Press. Drop	in W.C		86	86	84.8	
17	Incinerator Press.	psig		-0.2	-0.2	-0.2	
18							
19	3019C3 Trial burn			R1	R2	R3	
20							
21	Combustion Chamber Temp (min)	°F		1991.0	1995	1993	
22	Quench Tank pH	pH		7.80	8	7.8	
23	Quench Blowdown Rate	gpm		38.7	41.6	41.1	
24	Venturi Press. Drop	in W.C		85.6	86	86	
25	Incinerator Press.	psig		-0.6	-0.5	-0.4	

A	B	T	U	V	W
1	PCDD/PCDF				
2	N				
3	Facility Name and ID:				
4	Condition ID:				
5	Condition/Test Date:				
6					
7					
8					
9					
10	Detected in sample volume				
11	2,3,7,8-TCDD	4	4	2	2
12	Total TCDD	41.0	0.00	41.00	0.00
13	1,2,3,7,8-PCDD	3.0	1.50	1.50	0.75
14	Total PCDD	6.9	0.00	6.90	0.00
15	1,2,3,4,7,8-HxCDD	4.3	0.43	2.15	0.22
16	1,2,3,6,7,8-HxCDD	3.5	0.35	1.75	0.18
17	1,2,3,7,8,9-HxCDD	3.4	0.34	1.70	0.17
18	Total HxCDD	7.1	0.00	7.10	0.00
19	1,2,3,4,6,7,8-HpCDD	9.4	0.09	9.40	0.09
20	Total HpCDD	14.0	0.00	14.00	0.00
21	OCDD	23.0	0.02	23.00	0.02
22	2,3,7,8-TCDF	2.9	0.29	1.45	0.15
23	Total TCDF	130.0	0.00	130.00	0.00
24	1,2,3,7,8-PCDF	4.9	0.25	2.45	0.12
25	2,3,4,7,8-PCDF	5.5	2.75	5.50	2.75
26	Total PCDF	56.0	0.00	56.00	0.00
27	1,2,3,4,7,8-HxCDF	10.0	1.00	10.00	1.00
28	1,2,3,6,7,8-HxCDF	7.9	0.79	7.90	0.79
29	2,3,4,6,7,8-HxCDF	13.0	1.30	13.00	1.30
30	1,2,3,7,8,9-HxCDF	3.8	0.38	1.90	0.19
31	Total HxCDF	65.0	0.00	65.00	0.00
32	1,2,3,4,6,7,8-HpCDF	43.0	0.43	43.00	0.43
33	1,2,3,4,7,8,9-HpCDF	5.3	0.05	5.30	0.05
34	Total HpCDF	64.0	0.00	64.00	0.00
35	OCDF	36.0	0.04	36.00	0.04
36					
37	Gas sample volume (dsc		122.98	122.98	122.98
38	O2 (%)		6.10	6.10	6.10
39					
40	PCDD/PCDF (ng in sam)		0.0138	0.4430	0.0101
41	PCDD/PCDF (ng/dscm @		0.0037	0.1196	0.0027
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	N																
3	Facility Name and ID:	Squibb Manufacturing, Inc.															
4	Condition ID:	3019C2															
5	Condition/Test Date:	Trial burn, elevated oper temp cond															
6																	
7																	
8																	
9																	
10		I-TEF															
11	Detected in sample volume (pg)	Wght Fact		Run 1		Run 2		Run 3		Total		TEQ		Total		TEQ	
12	2,3,7,8-TCDD	1	nd	5.60	2.80	2.80	6.00	6.00	3.00	3.00	nd	3.00	nd	7.20	7.20	3.60	3.60
13	Total TCDD	0		49.00	49.00	49.00	53.00	53.00	53.00	53.00	0.00	0.00	0.00	55.00	55.00	55.00	0.00
14	1,2,3,7,8-PCDD	0.5	nd	5.80	2.90	2.90	3.80	3.80	1.90	1.90	nd	0.95	nd	5.00	5.00	2.50	2.50
15	Total PCDD	0		8.60	8.60	8.60	8.00	8.00	8.00	8.00	0.00	0.00	0.00	12.00	12.00	12.00	0.00
16	1,2,3,4,7,8-HxCDD	0.1	nd	5.20	2.60	2.60	4.40	4.40	2.20	2.20	nd	0.22	nd	4.90	4.90	2.45	2.45
17	1,2,3,6,7,8-HxCDD	0.1	nd	4.20	2.10	2.10	3.60	3.60	1.80	1.80	nd	0.18	nd	4.00	4.00	2.00	2.00
18	1,2,3,7,8,9-HxCDD	0.1	nd	4.10	2.05	2.05	3.50	3.50	1.75	1.75	nd	0.18	nd	3.90	3.90	1.95	1.95
19	Total HxCDD	0	nd	5.20	2.60	2.60	5.10	5.10	2.55	2.55	nd	0.00	nd	4.90	4.90	2.45	2.45
20	1,2,3,4,6,7,8-HpCDD	0.01	nd	4.50	2.25	2.25	3.50	3.50	1.75	1.75	nd	0.02	nd	3.60	3.60	1.80	1.80
21	Total HpCDD	0	nd	4.50	2.25	2.25	5.00	5.00	5.00	5.00	nd	0.00	nd	3.60	3.60	1.80	1.80
22	OCDD	0.001	nd	10.00	5.00	5.00	21.00	21.00	21.00	21.00	0.01	0.02	0.02	10.00	10.00	10.00	0.01
23	2,3,7,8-TCDF	0.1	nd	5.70	2.85	2.85	6.30	6.30	3.15	3.15	nd	0.32	nd	13.00	13.00	13.00	1.30
24	Total TCDF	0		330.00	330.00	330.00	530.00	530.00	530.00	530.00	0.00	0.00	0.00	640.00	640.00	640.00	0.00
25	1,2,3,7,8-PCDF	0.05	nd	4.90	2.45	2.45	4.30	4.30	2.15	2.15	nd	0.11	nd	12.00	12.00	12.00	0.60
26	2,3,4,7,8-PCDF	0.5	nd	5.60	2.80	2.80	9.80	9.80	4.90	4.90	nd	2.45	nd	11.00	11.00	11.00	5.50
27	Total PCDF	0		110.00	110.00	110.00	150.00	150.00	150.00	150.00	0.00	0.00	0.00	250.00	250.00	250.00	0.00
28	1,2,3,4,7,8-HxCDF	0.1	nd	6.40	3.20	3.20	12.00	12.00	1.20	1.20	nd	1.20	nd	12.00	12.00	12.00	1.20
29	1,2,3,6,7,8-HxCDF	0.1	nd	4.40	2.20	2.20	8.80	8.80	8.80	8.80	nd	0.88	nd	7.60	7.60	7.60	0.76
30	2,3,4,6,7,8-HxCDF	0.1	nd	4.30	2.15	2.15	11.00	11.00	1.10	1.10	nd	1.10	nd	6.50	6.50	6.50	0.65
31	1,2,3,7,8,9-HxCDF	0.1	nd	6.70	3.35	3.35	3.10	3.10	1.55	1.55	nd	0.16	nd	3.90	3.90	1.95	1.95
32	Total HxCDF	0		14.00	14.00	14.00	74.00	74.00	74.00	74.00	0.00	0.00	0.00	70.00	70.00	70.00	0.00
33	1,2,3,4,6,7,8-HpCDF	0.01	nd	12.00	12.00	12.00	38.00	38.00	38.00	38.00	0.38	0.38	0.38	17.00	17.00	17.00	0.17
34	1,2,3,4,7,8,9-HpCDF	0.01	nd	2.30	1.15	1.15	6.10	6.10	3.05	3.05	nd	0.03	nd	2.10	2.10	1.05	1.05
35	Total HpCDF	0		12.00	12.00	12.00	38.00	38.00	38.00	38.00	0.00	0.00	0.00	17.00	17.00	17.00	0.00
36	OCDF	0.001	nd	6.60	3.30	3.30	18.00	18.00	18.00	18.00	0.02	0.02	0.02	11.00	11.00	11.00	0.01
37	Gas sample volume (dscl)			126.02	126.02	126.02	129.63	129.63	129.63	129.63	4.80	4.80	4.80	130.84	130.84	130.84	130.84
38	O2 (%)			4.60	4.60	4.60	4.80	4.80	4.80	4.80	4.80	4.80	4.80	5.20	5.20	5.20	5.20
39																	
40	PCDD/PCDF (ng in sample)			0.0158	0.5368	0.5368	0.0188	0.8996	0.8996	0.8996	0.0112	0.0112	0.0112	1.0693	1.0693	1.0693	0.0159
41	PCDD/PCDF (ng/dscm @ 7% O2, 99.2			0.0038	0.1285	0.1285	0.0044	0.2119	0.2119	0.2119	0.0026	0.0026	0.0026	0.2559	0.2559	0.2559	0.0038
42																	
43	TEQ Cond Avg			0.0028			0.0188	0.8996	0.8996	0.8996	0.0112	0.0112	0.0112	1.0693	1.0693	1.0693	0.0159
44	Total Cond Avg			0.1988			0.0044	0.2119	0.2119	0.2119	0.0026	0.0026	0.0026	0.2559	0.2559	0.2559	0.0038