	B	C
1	**Source Description**	
2		
3	Phase I ID No.	610
4	EPA ID No.	LAD980622104
5	Facility Name	Norco Chemical Plant-West Site Shell Oil Company
6	Facility Location	
7	City	Norco
8	State	LA
9	Unit ID Name/No.	Unit 1
10	Other Sister Facilities	
11	Combustor Class	Onsite Incinerator
12	Combustor Type	Liquid injection incinerator
13	Combustor Characteristics	Designed and built by Bieglow-Liptak Corp. Equiped with a mason premix pilot with a Hauck spark ignitor. This burner is also equiped with a natural gas firing system and six liquid waste injection guns NCIN-2 is an induced draft organic choloride incinerator consisting of a combustion chamber, flue gas cooler, and scrubbing train. Induced draft blower is 16000 acfm at 90oF and 20 inc W.C. vacuum. Discharge pressure is 2 inc. W.C. Powered by a 150 hp electric motor
14	Capacity (MMBtu/hr)	
15	Soot Blowing	
16	APCS	WHB/QS/AA/CS
17	APCS Characteristics	Waste heat boiler, water quench, acid absorber, caustic scrubber. The system was designed by Shell Oil Company and manufactured by various suppliers
18	Hazardous Wastes	Liquid wastes and vent gas
19	Haz Waste Description	Allyl Chloride Heavy Ends (ACHE) which is a waste stream produced on site.
20	Supplemental Fuel	Natural gas
21		
22	Stack Characteristics	
23	Diameter (ft)	2.50
24	Height (ft)	100
25	Gas Velocity (ft/sec)	17.7
26	Gas Temperature (°F)	130
27		
28	Permitting Status	Tier I for all metals
29	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Description**	
2		
3	**610C10**	
4		
5	Report Name/Date	Source of Emissions Survey of Shell Chemical Company NCIN 1 Stack, February 1998.
6	Report Prepare	Shell Chemical Company
7	Testing Firm	METCO Environmental
8	Testing Dates	February 9, 1998
9	Condition Descr	Trial burn, low temp, no water injection, low waste feed
10	Content	PM, HCl/Cl2, CO, DREs
11		
12	**610C11**	
13		
14	Report Name/Date	Source of Emissions Survey of Shell Chemical Company NCIN 1 Stack, February 1998.
15	Report Prepare	Shell Chemical Company
16	Testing Firm	METCO Environmental
17	Testing Dates	February 10-11, 1998
18	Condition Descr	Trial burn, upper oper temp, max waste, max water injection
19	Content	PM, HCl/Cl2, CO, DREs
20		
21	**610C12**	
22		
23	Report Name/Date	Risk Burn, February 1998.
24	Report Prepare	Shell Chemical Company
25	Testing Firm	METCO Environmental
26	Testing Dates	February 2-5, 1998
27	Condition Descr	Risk burn, reasonable upper bound on normal operation
28	Content	PM, HCl/Cl2, CO, PCDD/Fs
29		
30	**610C1**	
31		
32	Report Name/Date	PM, HCl, and HCl Removal Efficiency Compliance Emissions Sampling of Incinerator NCIN-1, Shell Chemical Co, NORCO, LA, December 1991, SwL Project No. 54-9112-065
33	Report Prepare	Southwestern Laboratories, Environmental Analytical Services Div.
34	Testing Firm	Southwestern Laboratories, Environmental Analytical Services Div.
35	Cond Descr	Air compliance test, NORMAL OPERATIONS
36	Test Dates	12/11/91
37	Cond Date	12/01/91

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions 1**											
2												
3		Corr	Units	7% O2								
4												
5	**610C10**	**Trial Burn**				R1		R2		R3		Cond Avg
6												
7	PM		gr/dscf	y		0.0065		0.0059		0.0097		0.0074
8	CO (RA)		ppmv	y	nd	0.2	nd	0.2	nd	0.2		0.20
9	HCl		ppmv			190		194.5		223.9		
10	Cl2		ppmv			18.3		17.6		14.3		
11												
12	POHC DRE	Chlorobenzene										
13	POHC Feedrate		lb/hr			19.99		20.01		20		
14	Emission Rate		lb/hr		nd	5.62E-05	nd	3.52E-05	nd	7.02E-05		
15	DRE		%		>	99.9997	>	99.9998	>	99.9996		
16												
17	POHC DRE	1,2,3-Tricholoropropane										
18	POHC Feedrate		lb/hr			43.542		43.46		47.835		
19	Emission Rate		lb/hr		nd	3.88E-05	nd	1.14E-05	nd	1.26E-05		
20	DRE		%		>	99.9999	>	99.9999	>	99.9999		
21												
22												
23	Sampling Train	PM, HCl/Cl2										
24	Stack Gas Flowrate		dscfm			16116		16548		15702		16122
25	O2		%			13.4		13.3		13.2		13.3
26	Moisture		%			7.59		7.52		8.07		7.73
27	Temperature		°F			97		98		100		98.00
28												
29	Sampling Train	DRE										
30	Stack Gas Flowrate		dscfm			16116		16548		15702		16122
31	O2		%									
32	Moisture		%									
33	Temperature		°F									
34												
35	HCl		ppmv	y		350.0		353.6		401.9		
36	Cl2		ppmv	y		33.7		32.0		25.7		
37	Total Chlorine		ppmv	y		417.42		417.64		453.21		429.4
38												
39	**610C11**	**Trial Burn**				R1		R2		R3		Cond Avg
40												
41	PM		gr/dscf	y		0.006		0.0076		0.0086		0.0074
42	CO (RA)		ppmv	y		0.8		0.9		1.2		0.97
43	HCl		ppmv			84.9		96.6		63		
44	Cl2		ppmv			1.3		1.6		1.2		
45												
46	POHC	Chlorobenzene										
47	POHC Feedrate		lb/hr			20.01		20		19.99		
48	Emission Rate		lb/hr		nd	2.27E-05	nd	1.17E-05	nd	8.46E-06		
49	DRE		%		nd	99.9999	nd	99.9999	nd	99.9999		
50												
51	POHC	1,2,3-Tricholoropropane										
52	POHC Feedrate		lb/hr			57.284		53.069		53.062		
53	Emission Rate		lb/hr		nd	9.76E-06	nd	9.80E-06	nd	1.26E-05		
54	DRE		%		nd	99.9999	nd	99.9999	nd	99.9999		
55												
56	Sampling Train	PM, HCl/Cl2										
57	Stack Gas Flowrate		dscfm			15503		15115		14000		14873
58	O2		%			8.7		8.7		8.6		8.7
59	Moisture		%			15.55		15.39		15.34		15.43
60	Temperature		°F			126		128		128		127.00
61												
62	Sampling Train	DRE										
63	Stack Gas Flowrate		dscfm			15503		15115		14000		14873
64	O2		%									
65	Moisture		%									
66	Temperature		°F									
67												
68	HCl		ppmv	y		96.6		110.0		71.1		
69	Cl2		ppmv	y		1.5		1.8		1.4		
70	Total Chlorine		ppmv	y		99.59		113.59		73.84		95.68
71												

	B	C	D	E	F	G	H	I	J	K	L	M
72	**610C12**	**Risk Burn**				R1		R2		R3		Cond Avg
73												
74	PM		gr/dscf	y		0.0055		0.0024		0.0048		0.0042
75	CO (RA)		ppmv	y		2.1		0.4		1.4		1.30
76	HCl		ppmv			33.6		44.8		48.6		
77	Cl2		ppmv			3.5		9.2		3		
78												
79	Sampling Train	PM, HCl/Cl2										
80	Stack Gas Flowrate		dscfm			15953		16857		16088		16299.00
81	O2		%			8.8		9.7		8.7		9.10
82	Moisture		%			13.55		9.51		11.32		11.46
83	Temperature		°F			125		111		117		118.00
84												
85	Sampling Train	PCDD/PCDF										
86	Stack Gas Flowrate		dscfm			14794		17148		16359		16100.0
87	O2		%			9.7		9.5		8.7		9.3
88	Moisture		%			14.13		10.45		12.97		12.52
89	Temperature		°F			123		112		117		117
90												
91	HCl		ppmv	y		38.6		55.5		55.3		
92	Cl2		ppmv	y		4.0		11.4		3.4		
93	Total Chlorine		ppmv	y		46.59		78.30		62.15		62.35

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions 2**											
2												
3	**610C1**					R1		R2		R3		Cond Avg
4												
5	PM		gr/dscf	y		0.0063		0.0060		0.0070		0.0064
6	HCl		ppmv	y		18.1		16.0		17.2		
7	Cl2		ppmv	y		25.4		25.7		21.2		
8	Total Cl		ppmv	y		68.9		67.4		59.7		65.3
9												
10	Sampling Train	PM/Halogens										
11	Moisture					20.8		21.6		21.5		
12	Oxygen					11.0		11.0		11.0		
13	Stack gas flowrate					11683.9		11478.3		11476.5		
14	Temperature					153.0		156.0		156.0		

	A	B	C	D	E	F	G	H	I	J	K	L
1		**Feedstream 1**										
2												
3												
4	*	**610C10**	**Trial burn**			R1		R2		R3		Cond Avg
5												
6		Feedstream Description				Liq waste		Liq waste		Liq waste		Liq waste
7		Feed Rate		lb/hr		5310		5300		5315		5,308.0
8		Thermal Feedrate		MM Btu/hr								42.0
9		Heating Value		Btu/lb		8710		7210		8970		8279.0
10		Density		kg/L		1.1844		1.1836		1.1863		1.1848
11		Chlorobenzene		lb/hr								20.0
12		1,2,3-Trichloropropane		lb/hr								44.9
13		Ash		g/hr	nd	1204.308	nd	1202.04	nd	1205.442		1203.9
14		Chlorine		g/hr		1484670.902		1495578.2		1502704		1494651
15		Antimony		g/hr	nd	0.265	nd	0.264	nd	0.265		0.27
16		Arsenic		g/hr		0.915		1.274		0.94		1.04
17		Barium		g/hr	nd	0.096	nd	0.096	nd	0.096		0.096
18		Beryllium		g/hr	nd	0.048	nd	0.048	nd	0.048		0.048
19		Cadmium		g/hr	nd	0.024	nd	0.024	nd	0.024		0.024
20		Chromium		g/hr		0.578		0.649		0.579		0.602
21		Lead		g/hr	nd	0.508	nd	5.049	nd	4.822		4.976
22		Mercury		g/hr	nd	0.024	nd	0.048	nd	0.048		0.04
23		Nickel		g/hr	nd	0.674	nd	1.034	nd	0.844		0.85
24		Selenium		g/hr	nd	0.578	nd	0.409	nd	0.53		0.51
25		Silver		g/hr	nd	0.409	nd	0.409	nd	0.386		0.401
26		Thallium		g/hr	nd	0.217	nd	0.216	nd	0.217		0.217
27												
28		Stack Gas Flowrate		dscfm		16116		16548		15702		16122
29		Oxygen		%		13.4		13.3		13.2		13.3
30												
31		Thermal Feedrate		MMBtu/hr		46.3		38.2		47.7		43.9
32		Est Total Firing Rate		MMBtu/hr		38.9		40.5		38.9		39.4
33												
34		*Feedrate MTEC Calculations*										
35		Ash		mg/dscm	nd	81.1	nd	77.8	nd	81.1		40.0
36		Chlorine		ug/dscm		9.99E+07		9.68E+07		1.01E+08		9.93E+07
37		Antimony		ug/dscm	nd	17.84	nd	17.08	nd	17.84		17.60
38		Arsenic		ug/dscm		61.59		82.44		63.28		69.27
39		Barium		ug/dscm	nd	6.46	nd	6.21	nd	6.46		6.38
40		Beryllium		ug/dscm	nd	3.23	nd	3.11	nd	3.23		3.19
41		Cadmium		ug/dscm	nd	1.62	nd	1.55	nd	1.62		1.59
42		Chromium		ug/dscm		38.91		42.00		38.98		39.98
43		Lead		ug/dscm	nd	34.20	nd	326.71	nd	324.61		330.49
44		Mercury		ug/dscm	nd	1.62	nd	3.11	nd	3.23		2.66
45		Nickel		ug/dscm	nd	45.37	nd	66.91	nd	56.82		56.52
46		Selenium		ug/dscm	nd	38.91	nd	26.47	nd	35.68		33.61
47		Silver		ug/dscm	nd	27.53	nd	26.47	nd	25.99		26.63
48		Thallium		ug/dscm	nd	14.61	nd	13.98	nd	14.61		14.41
49		SVM		ug/dscm		17.91		164.13		163.12		166.04
50		LVM		ug/dscm		102.12		125.99		103.87		110.85
51												
52	*	**610C11**	**Trial burn**			R1		R2		R3		Cond Avg
53												
54		Feedstream Description				Liq waste		Liq waste		Liq waste		Liq waste
55		Feed Rate		lb/hr		8302		8292		8291		8295.0
56		Thermal Feedrate		MM Btu/hr								56.0
57		Heating Value		Btu/lb		7600		7320		7860		7860.0
58		Density		kg/L		1.1845		1.858		1.858		1.1854
59		Chlorobenzene		lb/hr								20.0
60		1,2,3-Trichloropropane		lb/hr								54.472

	A	B	C	D	E	F	G	H	I	J	K	L
61		Ash		g/hr	nd	1882.894		1880.626		1880.399		1881.306
62		Chlorine		g/hr		2197336.831		2219890.5		2299351.65		2238859.6
63		Antimony		g/hr	nd	0.414		0.414		0.414		0.4
64		Arsenic		g/hr		1.845		2.031		2.068		2.0
65		Barium		g/hr	nd	0.151		0.15		0.15		0.15
66		Beryllium		g/hr	nd	0.075		0.075		0.075		0.1
67		Cadmium		g/hr	nd	0.038		0.038		0.038		0.038
68		Chromium		g/hr		1.017		1.128		1.128		1.091
69		Lead		g/hr	nd	7.908		7.899		7.522		7.776
70		Mercury		g/hr	nd	0.038		0.038		0.075		0.1
71		Nickel		g/hr	nd	1.017		1.467		2.933		2
72		Selenium		g/hr	nd	0.64		0.639		0.639		0.639
73		Silver		g/hr	nd	0.64		0.639		0.602		0.627
74		Thallium		g/hr	nd	0.339		0.339		0.338		0.339
75												
76		Stack Gas Flowrate		dscfm		15503		15115		14000		14873
77		Oxygen		%		8.7		8.7		8.6		8.7
78												
79		Thermal Feedrate		MMBtu/hr		63.1		60.7		65.2		65.2
80		Est Total Firing Rate		MMBtu/hr		60.5		59.0		55.1		58.1
81												
82		*Feedrate MTEC Calculations*										
83		Ash		mg/dscm	nd	81.4	nd	83.4	nd	89.3		42.4
84		Chlorine		ug/dscm		9.50E+07		9.84E+07		1.09E+08		5.05E+07
85		Antimony		ug/dscm	nd	17.90	nd	18.36	nd	19.66		18.66
86		Arsenic		ug/dscm		79.77		90.07		98.22		89.28
87		Barium		ug/dscm	nd	6.53	nd	6.65	nd	7.12		6.76
88		Beryllium		ug/dscm	nd	3.24	nd	3.33	nd	3.56		3.38
89		Cadmium		ug/dscm	nd	1.64	nd	1.69	nd	1.80		1.71
90		Chromium		ug/dscm		43.97		50.02		53.57		49.17
91		Lead		ug/dscm	nd	341.93	nd	350.31	nd	357.25		350.46
92		Mercury		ug/dscm	nd	1.64	nd	1.69	nd	3.56		2.25
93		Nickel		ug/dscm	nd	43.97	nd	65.06	nd	139.30		81.40
94		Selenium		ug/dscm	nd	27.67	nd	28.34	nd	30.35		28.80
95		Silver		ug/dscm	nd	27.67	nd	28.34	nd	28.59		28.26
96		Thallium		ug/dscm	nd	14.66	nd	15.03	nd	16.05		15.28
97		SVM		ug/dscm		171.79		176.00		179.53		176.09
98		LVM		ug/dscm		125.37		141.76		153.57		140.14
99												
100		**610C12**	**Risk burn**			R1		R2		R3		Cond Avg
101												
102		Feedstream Description										Liq waste
103		Feed Rate		lb/hr		8254		8230		8324		8269
104		Heating Value		Btu/lb		8590		7630		7810		8010
105		Density		kg/L		1.1726		1.175		1.1733		1.1736
106		Ash		g/hr	nd	1872.007	nd	1866.564	nd	1887.883		1875.485
107		Antimony		g/hr	nd	0.374	nd	0.411	nd	0.415		0.4
108		Arsenic		g/hr	nd	0.711	nd	1.195	nd	1.284		1.063
109		Barium		g/hr	nd	0.15	nd	0.261	nd	0.151		0.187
110		Beryllium		g/hr	nd	0.075	nd	0.075	nd	0.076		0.075
111		Cadmium		g/hr	nd	0.037	nd	0.037	nd	0.038		0.037
112		Chromium		g/hr		0.374		0.747		0.793		0.638
113		Lead		g/hr	nd	7.488	nd	7.466	nd	7.929		7.628
114		Mercury		g/hr	nd	0.075	nd	0.075	nd	0.076		0.075
115		Nickel		g/hr		1.46		3.061		1.699		2.073
116		Selenium		g/hr		0.861		0.635		1.737		1.078
117		Silver		g/hr	nd	0.599	nd	0.537	nd	0.642		0.613
118		Thallium		g/hr	nd	0.337	nd	0.336	nd	0.34		0.338
119		Copper		g/hr		2.733		6.346		4.153		4.411
120		Maganese		g/hr		0.786		1.344		1.43		1.201

	A	B	C	D	E	F	G	H	I	J	K	L
121		Zinc		g/hr		7.862		26.879		43.799		26.18
122												
123		Stack Gas Flowrate		dscfm		15953		16857		16088		16299
124		Oxygen		%		8.8		9.7		8.7		9.1
125												
126		Thermal Feedrate		MMBtu/hr								
127		Est Total Firing Rate		MMBtu/hr		61.8		60.5		62.8		61.6
128												
129		*Feedrate MTEC Calculations*										
130		Ash		mg/dscm	nd	79.3	nd	80.8	nd	78.7		39.9
131		Antimony		ug/dscm	nd	15.84	nd	17.79	nd	17.29		8.50
132		Arsenic		ug/dscm	nd	30.12	nd	51.72	nd	53.50		45.19
133		Barium		ug/dscm	nd	6.35	nd	11.30	nd	6.29		7.95
134		Beryllium		ug/dscm	nd	3.18	nd	3.25	nd	3.17		3.19
135		Cadmium		ug/dscm	nd	1.57	nd	1.60	nd	1.58		1.57
136		Chromium		ug/dscm		15.84		32.33		33.04		27.12
137		Lead		ug/dscm	nd	317.22	nd	323.16	nd	330.37		324.26
138		Mercury		ug/dscm	nd	3.18	nd	3.25	nd	3.17		3.19
139		Nickel		ug/dscm		61.85		132.49		70.79		88.12
140		Selenium		ug/dscm		36.47		27.49		72.37		45.82
141		Silver		ug/dscm	nd	25.38	nd	23.24	nd	26.75		26.06
142		Thallium		ug/dscm	nd	14.28	nd	14.54	nd	14.17		14.37
143		Copper		ug/dscm		115.78		274.68		173.04		187.51
144		Maganese		ug/dscm		33.30		58.17		59.58		51.05
145		Zinc		ug/dscm		333.06		1163.44		1824.93		1112.89
146		SVM		ug/dscm		159.4		162.4		166.0		162.9
147		LVM		ug/dscm		32.5		59.8		61.4		51.3

	B	C	D	E	F	G	H	I	J	K
1	**Feedstream 2**									
2										
3										
4	**610C1**			R1		R2		R3		Cond Avg
5										
6	Feedstream			Liquid waste						
7	Feedrate	lb/hr		5107		5107		5107		
8	Heating value	Btu/lb		6828		7018		7223		
9	Ash	wt %		0.007		0.005		0.008		
10	Chlorine	lb/hr		3203		3203		3203		
11										
12	Gas Flowrate	dscfm		11683.9		11478.3		11476.5		
13	Oxygen	%		11		11		11		
14										
15	Feedrate MTECs									
16	Ash	mg/dscm		11.5		8.3		13.3		11.0
17	Chlorine	ug/dscm		102616054		104454119		104470502		103846891.5

	B	C	D	E
1	**Process Information**			
2				
3	**610C10 Trial burn**			
4				Liquid waste
5	Combustion Chamber Temp (min)	^{o}F		1655
6	Combustion Pressure	in. WC		-1
7	Waste Injection Pressure	psig		4.0
8	Atomizing Steam Header	psig		58.00
9	Scrubber pH	pH		8.48
10	Scrubber Recir Rate	gpm		411
11	Water Injection Rate	gpm		0
12				
13	**610C11 Trial burn**			
14				
15	Combustion Chamber Temp (min)	^{o}F		1988.0
16	Combustion Pressure	in. WC		-1.00
17	Waste Injection Pressure	psig		4
18	Atomizing Steam Header	psig		58
19	Scrubber pH	pH		8.5
20	Scrubber Recir Rate	gpm		412
21	Water Injection Rate	gpm		10
22				
23	**610C12 Risk burn**			
24				
25	Combustion Chamber Temp (min)	^{o}F		1987.0
26	Combustion Pressure	in. WC		-1.00
27	Scrubber pH	pH		9.1
28	Scrubber Recir Rate	gpm		413
29	water Injection Rate	gpm		9.94

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	**PCDD/PCDF**														
2															
3	Facility Name and ID:		Norco Chemical Plant-West Site Shell Oil Company												
4	Condition ID:		610C12												
5	Condition/Test Date:		Risk burn, reasonable upper bound on normal operation												
6															
7			I-TEF			Run 1				Run 2				Run 3	
8			Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
9						1/2 ND	1/2 ND			1/2 ND	1/2 ND			1/2 ND	1/2 ND
10	Detected in sample volume (ng)														
11		2,3,7,8-TCDD	1		0.05	0.05	0.05	nd	0.03	0.02	0.02	nd	0	0	0
12		1,2,3,7,8-PCDD	0.5		0.43	0.43	0.22		0.22	0.22	0.11		1	1	0
13		1,2,3,4,7,8-HxCDD	0.1	nd	0.97	0.49	0.05	nd	0.55	0.28	0.03		2	2	0
14		1,2,3,6,7,8-HxCDD	0.1	nd	1.00	0.50	0.05	nd	0.64	0.32	0.03		2	2	0
15		1,2,3,7,8,9-HxCDD	0.1	nd	1.21	0.61	0.06	nd	0.71	0.36	0.04		2	2	0
16		1,2,3,4,6,7,8-HpCDD	0.01	nd	8	4.01	0.04		5.93	5.93	0.06		20	20	0
17		OCDD	0.001		16	15.73	0.02		11.73	12	0.01		37	37	0
18		2,3,7,8-TCDF	0.1	nd	2	1.11	0.11	nd	1.11	1	0.06		2	2	0
19		1,2,3,7,8-PCDF	0.05		14	14	1		7.45	7	0.37		16	16	1
20		2,3,4,7,8-PCDF	0.5		11	11	6		6.54	7	3.27		16	16	8
21		1,2,3,4,7,8-HxCDF	0.1		124	124	12		68.66	69	6.87		126	126	13
22		1,2,3,6,7,8-HxCDF	0.1		47	47	5		26.04	26	2.60		50	50	5
23		2,3,4,6,7,8-HxCDF	0.1		37	37	4		20.39	20	2.04		43	43	4
24		1,2,3,7,8,9-HxCDF	0.1		5	5	0		2.42	2	0.24		7	7	1
25		1,2,3,4,6,7,8-HpCDF	0.01	nd	40	20	0		194.69	195	1.95	nd	46	23	0
26		1,2,3,4,7,8,9-HpCDF	0.01		92	92	1		63.32	63	0.63		132	132	1
27		OCDF	0.001		651	651	1		384.93	385	0.38	nd	85	42	0
28		Total TCDD	0		1	1	0		0	0	0.00		1	1	0
29		Total PCDD	0		2	2	0		0.93	1	0.00		3	3	0
30		Total HxCDD	0	nd	7	4	0	nd	4.11	2	0.00		12	12	0
31		Total HpCDD	0	nd	13	7	0		9.63	10	0.00		31	31	0
32		Total TCDF	0		26	26	0		13.46	13	0.00		24	24	0
33		Total PCDF	0		110	110	0		59.89	60	0.00		135	135	0
34		Total HxCDF	0		382	382	0		208.2	208	0.00		418	418	0
35		Total HpCDF	0	nd	41	20	0		369.4	369	0.00	nd	51	26	0
36															
37		Gas sample volume (dscf)				121.18	121.18			142.86	142.86			139.13	139.13
38		O2 (%)				9.70	9.70			9.5	9.5			8.70	8.70
39															
40		PCDD/PCDF (ng in sample)				1217.9	30.02			1060.5	18.705			729.2	34.13
41		PCDD/PCDF (ng/dscm @ 7% O2)				440.00	10.84			319.32	5.63			210.80	9.87
42															
43		TEQ Cond Avg	8.78												
44		Total Cond Avg	323.38												