

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase I ID No.	603
4	EPA ID No.	TXD000838896
5	Facility Name	Chemical Waste Mgmt
6	Facility Location	
7	City	Port Arthur
8	State	TX
9	Unit ID Name/No.	CWM commercial incinerator
10	Other Sister Facilities	
11	Number of Sister Facilities	
12	Combustor Class	Commercial incinerator
13	Combustor Type	Rotary kiln
14	Combustor Characteristics	Rotary kiln with secondary combustion chamber, 14' diameter Multiple feeds into kiln (bulk & containerized solids; sludge; energetic, organic & aqueous liquids), multiple liquids into SCC
15		
16	Capacity (MMBtu/hr)	175
17	Soot Blowing	
18	APCS Detailed Acronym	WQ/ABS/4-IWS
19	APCS General Class	WQ, LEWS, IWS
20	APCS Characteristics	Quench tower, absorber, 4-stage IWS w/cooling tower
21	Hazardous Wastes	Liq,soild Bulk & containerized solids; sludge; energetic, organic & aqueous
22	Haz Waste Description	liquids
23	Supplemental Fuel	Natural gas
24		
25	Stack Characteristics	
26	Diameter (ft)	5.50
27	Height (ft)	130
28	Gas Velocity (ft/sec)	32.0
29	Gas Temperature (°F)	104
30		
31	Permitting Status	RCRA & TSCA, Tier III metals -- As, Be, Cd, Cr, Pb
32	HWC Burn Status (Date if Terminated)	

	B	C
1	Condition Description	
2		
3	603C10	603C10
4		
5	Report Name/Date	2000 Bi-Annual Stack Test/Trial Burn - Chemical Waste Mgmt, Inc. Port Arthur, TX, June 2000
6	Report Prepare	URS Radian and TRC
7	Testing Firm	URS Radian and TRC
8	Testing Dates	March 21-22, 2000
9	Cond Dates	Mar-00
10	Condition Descr	RCRA / TSCA Biannual Trial burn, normal metal feeds
11	Content	PM, HCl/Cl2, metals, DRE, PCDD/F, VOC/SVOC, HC, NOx, SO2
12		
13	603C11	603C11
14		
15	Report Name/Date	2000 Bi-Annual Stack Test/Trial Burn - Chemical Waste Mgmt, Inc. Port Arthur, TX, June 2000
16	Report Prepare	URS Radian and TRC
17	Testing Firm	URS Radian and TRC
18	Testing Dates	March 23, 2000
19	Cond Dates	Mar-00
20	Condition Descr	Nickel SRE
21	Content	Metals (Ni only)
22		
23	603C12	
24		
25	Report Name/Date	Report, 1998 Bi-Annual Stack Test / Risk Assessment Test / Trial Burn, Chemical Waste Management Inc., Port Arthur, Texas Incinerator, prepared by Radian Int., Nov 13, 1998
26	Report Prepare	Radian
27	Testing Firm	Radian
28	Testing Dates	July 10-12, 1998
29	Cond Dates	Jul-98
30	Condition Descr	Bi-annual testing trial burn, max temp, max metals feeds
31	Content	PM, D/F, metals, HCl/Cl2
32		
33	603C13	
34		
35	Report Name/Date	Report, 1998 Bi-Annual Stack Test / Risk Assessment Test / Trial Burn, Chemical Waste Management Inc., Port Arthur, Texas Incinerator, prepared by Radian Int., Nov 13, 1998
36	Report Prepare	Radian
37	Testing Firm	Radian
38	Testing Dates	July 14-16, 1998
39	Cond Dates	Jul-98
40	Condition Descr	Bi-annual testing, typical operations (metals at historic feedrates)
41	Content	PM, D/F, metals, HCl/Cl2
42		
43	603C1	
44		
45	Report Name/Date	Toxic Substances Control Act Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, June 30, 1990
46	Report Prepare	Radian Corp
47	Testing Firm	Radian Corp
48	Cond Descr	Trial Burn, Treat Liquid PCB Waste
49	Testing Dates	March 14-21, 1990
50	Cond Dates	Mar-90
51		
52	603C2	
53		
54	Report Name/Date	Toxic Substances Control Act Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, June 30, 1990
55	Report Prepare	Radian Corp
56	Testing Firm	Radian Corp
57	Cond Descr	Trial Burn, Treat Non Liquid PCB Waste
58	Test Dates	March 24-25, 1990
59	Cond Dates	Mar-90
60		
61	603C3	
62		

	B	C
63	Report Name/Date	Bi-Annual Stack Test on the Hazardous Waste Incinerator System, Port Arthur, Texas, prepared by Radian, September 21,1992, DCN # 263-091-05-00, Prepared for, Chemical Waste Management Inc.
64	Report Prepare	Radian Corp
65	Testing Firm	Radian Corp
66	Cond Descr	Bi-Annual Stack Test At "Normal" Operating Condition
67	Testing Dates	June 15-16, 1992
68	Cond Dates	Sep-92
69		
70	603C4	
71		
72	Report Name/Date	Bi-Annual Stack Test on the Hazardous Waste Incinerator System, Port Arthur, Texas, prepared by Radian, September 21,1992, DCN # 263-091-05-00, Prepared for, Chemical Waste Management Inc.
73	Report Prepare	Radian Corp
74	Testing Firm	Radian Corp
75	Cond Descr	Demonstrate Operating Conditions Outside Current Permit
76	Testing Dates	June 17-18, 1992
77	Cond Dates	Sep-92
78		
79	603C5	
80		
81	Report Name/Date	Bi-Annual Stack Test on the Hazardous Waste Incinerator System, Port Arthur, Texas, prepared by Radian, September 21,1992, DCN # 263-091-05-00, Prepared for, Chemical Waste Management Inc.
82	Report Prepare	Radian Corp
83	Testing Firm	Radian Corp
84	Cond Descr	Demonstrate Operating Conditions Outside Permit
85	Testing Dates	June 30 - July 1, 1992
86	Cond Dates	Jun-92
87		
88	603C6	
89		
90	Report Name/Date	Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, May 25, 1990
91	Report Prepare	Radian
92	Testing Firm	Radian
93	Cond Descr	Trial Burn, Pohc Dre On Energetic Sludge & Liquid And Aqueous Liquid Fed
94	Testing Dates	Jan 10-11, 1990
95	Cond Dates	Jan-90
96		
97	603C7	
98		
99	Report Name/Date	Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, May 25, 1990
100	Report Prepare	Radian
101	Testing Firm	Radian
102	Cond Descr	Trial Burn, Dre On Non-Energetic Sludge & Liquid And Energetic Solid Fed
103	Testing Dates	January 27-29, 1990
104	Cond Dates	Jan-90
105		
106	603C8	
107		
108	Report Name/Date	Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, May 25, 1990
109	Report Prepare	Radian
110	Testing Firm	Radian
111	Cond Descr	Trial Burn, DRE On Non-Energetic Solids Fed To Kiln
112	Testing Dates	February 24-26, 1990
113	Cond Dates	May-90
114		
115	603C9	
116		
117	Report Name/Date	Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, May 25, 1990
118	Report Prepare	Radian
119	Testing Firm	Radian
120	Cond Descr	Trial Burn, DRE On Energetic Liquid Fed To SCC
121	Testing Dates	May 1, 1990
122	Cond Dates	May-90
123		

	B	C
124	603B1	
125		
126	Report Name/Date	Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, May 25, 1990
127	Report Prepare	Radian
128	Testing Firm	Radian
129	Cond Descr	Trial Burn, DRE On Non-Energetic And Energetic Sludge Fed To Kiln
130	Testing Dates	Jan 13 - Feb 4, 1990
131	Cond Dates	Jan-90
132		
133	603B2	
134		
135	Report Name/Date	Trial Burn Report, Chemical Waste Management Incinerator Facility, Port Arthur, Texas, prepared by Radian, May 25, 1990
136	Report Prepare	Radian
137	Testing Firm	Radian
138	Cond Descr	Trial Burn, Dre On Energetic Liquid And Sludge
139	Testing Dates	Feb 26-28, 1990
140	Cond Dates	Feb-90
141		
142	603B3	
143		
144	Report Name/Date	Trial Burn Report, Bi-Annual Stack Test on the Hazardous Waste Incinerator System, prepared by Radian for Chemical Waste Management, Port Arthur, TX, October 19, 1994
145	Report Prepare	Radian
146	Testing Firm	Radian
147	Cond Descr	Bi-Annual Stack Test At "Normal" Operating Conditions
148	Testing Dates	July 20-21, 1994
149	Cond Dates	Jul-94
150		
151	603B4	
152		
153	Report Name/Date	Supplemental Trial Burn, Chemical Waste Management Incinerator Facility Port Arthur Texas, prepared by Radian for Chemical Waste Management, October 10, 1990
154	Report Prepare	Radian
155	Testing Firm	Radian
156	Cond Descr	Trial Burn, Min Kiln Temp (1200F), Min Heat Input
157	Testing Dates	September 19 ,1990
158	Cond Dates	Sep-90
159		
160	603B5	
161		
162	Report Name/Date	Supplemental Trial Burn, Chemical Waste Management Incinerator Facility Port Arthur Texas, prepared by Radian for Chemical Waste Management, October 10, 1990
163	Report Prepare	Radian
164	Testing Firm	Radian
165	Cond Descr	Trial Burn, Min Kiln Temp (1300F), Min Heat Input
166	Testing Dates	September 20 ,1990
167	Cond Dates	Sep-90

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions 1											
2												
3												
4	603C10	RCRA / TSCA Biannual Trial bu				R1		R2		R3		Cond Avg
5												
6	CO (RA)	E1	ppmv	y		12.46		4.94		9.51		9.0
7												
8	PM	E1	gr/dscf	y		0.002		0.0021		0.0022		0.0021
9												
10	HCl		mg/dscf			0.0066		0.0011		0.0015		
11	Cl2		mg/dscf			0.0003		0.0008		0.00002		
12	SO2		mg/dscf			0.0180		0.0140		0.0150		
13	HF		mg/dscf			0.0013		0.0013		0.0012		
14												
15	HCl	E1	ppmv	y		0.15		0.03		0.03		0.071
16	Cl2	E1	ppmv	y		0.004		0.01		0.0002		0.004
17	Total Chlorine	E1	ppmv	y		0.16		0.05		0.03		0.080
18												
19	HC		ppmv	y		0.37		0.41		0.36		0.38
20	NOx		ppmv	y		39		40		43		40.37
21	SO2		ppmv	y		0.0002		0.0001		0.0002		0.0002
22	HF		ppmv	y		0.0001		0.0001		0.0001		0.0001
23												
24	POHC	Chlorobenzene										
25	POHC Feedrate		lb/hr			513		508		515		512.0
26	Emission Rate	E1	lb/hr			1.60E-04		1.90E-04		8.70E-04		0.00
27	DRE	E1	%			99.99997		99.99996		99.99983		99.999921
28												
29	POHC	Tetrachloroethene										
30	POHC Feedrate		lb/hr			508		505		513		508.7
31	Emission Rate	E1	lb/hr			3.40E-04		3.60E-04		5.50E-04		0.00
32	DRE	E1	%			99.99993		99.99993		99.99989		99.999918
33												
34	POHC	PCB										
35	POHC Feedrate		lb/hr			2400		2370		2560		2443.3
36	Emission Rate	E1	lb/hr			1.24E-04		1.25E-04		1.14E-04		0.000121
37	DRE	E1	%			99.99999		99.99999		99.999996		99.999995
38												
39	Arsenic		ug/dscf	n	nd	0.0105 nd		0.0102		0.0089		
40	Beryllium		ug/dscf	n	nd	0.0009		0.0005		0.0001		
41	Cadmium		ug/dscf	n		0.0123		0.0095		0.0126		
42	Chromium		ug/dscf	n		0.0143		0.0176		0.0266		
43	Chromium (Hex)		ug/dscf	n								
44	Lead		ug/dscf	n		0.518		0.583		0.537		
45	Mercury		ug/dscf	n		0.171		0.157		0.349		
46	Nickel		ug/dscf	n		8.72E-03		0.0101		0.0321		
47	Vanadium		ug/dscf	n		8.40E-04		0.0151		0.0124		
48												
49	Sampling Train	PM	E1									
50	Stack Gas Flowrate		dscfm			39300		39850		39850		39666.7
51	O2		%			6.7		6.9		8.1		7.2
52	Moisture		%			6.5		6.6		6.6		6.6
53	Temperature		°F			104		104		104		104.0
54												
55	Sampling Train	Metals	E2									
56	Stack Gas Flowrate		dscfm			39850		39800		39900		39850.0
57	O2		%			6.7		6.9		8.1		7.2
58	Moisture		%			6.7		6.9		6.7		6.8
59	Temperature		°F			103		104		103		103.3
60												
61	Arsenic	E2	ug/dscm	y	nd	0.4 nd		0.4		0.3		0.4
62	Beryllium	E2	ug/dscm	y	nd	0.0		0.0		0.0		0.0
63	Cadmium	E2	ug/dscm	y		0.4		0.3		0.5		0.4
64	Chromium	E2	ug/dscm	y		0.5		0.6		1.0		0.7
65	Chromium (Hex)											
66	Lead	E2	ug/dscm	y		17.9		20.5		20.6		19.7
67	Mercury	E2	ug/dscm	y		5.92		5.5		13.4		8.3
68	Nickel	E2	ug/dscm	y		0.3		0.4		1.2		0.6
69	Vanadium	E2	ug/dscm	y		0.0		0.5		0.5		0.3
70												
71	SVM	E2	ug/dscm	y	2	18.3	2	20.8	1.6	21.1		20.1

	B	C	D	E	F	G	H	I	J	K	L	M
72	LVM	E2	ug/dscm	y		0.9		1.0		1.4		1.1
73												
74												
75	603C11		Nickel SRE			R1		R2		R3		Cond Avg
76												
77	Nickel		ug/dscf	n		0.119		0.077		0.141		0.11
78	Nickel	E1	ug/dscm	y		4.3		2.8		5.1		4.02
79	Nickel SRE		%			99.997		99.998		99.996		99.997
80												
81												
82	603C12					R1		R2		R3		Cond Avg
83												
84	CO (MHRA)	E1	ppmv	y								2.7
85	HC		ppmv	y								0.70
86	PM	E1	gr/dscf	y		0.011		0.012		0.0072		0.0101
87	HCl		ug/dscf	n		22.4		29.6		11.3		
88	Cl2		ug/dscf	n		1.57		1.22		2.04		
89	HCl	E1	ppmv	y		0.51		0.67		0.25		0.47
90	Cl2	E1	ppmv	y		0.02		0.01		0.02		0.02
91	Total Chlorine	E1	ppmv	y		0.55		0.69		0.29		0.51
92												
93	Sampling Train	HCl	E1									
94	Stack Gas Flowrate		dscfm			40000		40300		39000		
95	O2		%			6.70		6.50		6.10		
96	Moisture		%			9.20		7.90		7.30		
97	Temperature		°F			115		108		111		
98												
99	Sampling Train	metals	E2									
100	Stack Gas Flowrate		dscfm			41200		42100		40600		
101	O2		%			6.7		6.5		6.1		
102	Moisture		%			10.4		8.3		9		
103	Temperature		°F			116		109		114		
104												
105	Aluminum		ug/dscf	n		116		1.68		1.48		
106	Antimony		ug/dscf	n		4.15		3.37		0.997		
107	Arsenic		ug/dscf	n		5.68		4.53		1.35		
108	Barium		ug/dscf	n		112		2.63		0.853		
109	Beryllium		ug/dscf	n		0.182		0.158		0.05		
110	Boron		ug/dscf	n		0.534		0.176		0.288		
111	Cadmium		ug/dscf	n		5.6		4.02		1.41		
112	Calcium		ug/dscf	n		54.8		4.44		4.03		
113	Chromium		ug/dscf	n		5.8		6.41		1.96		
114	Cobalt		ug/dscf	n		0.109		0.0574		0.095		
115	Copper		ug/dscf	n		19.9		8.07		3.09		
116	Iron		ug/dscf	n		8.49		5.54		3.04		
117	Lead		ug/dscf	n		110		82		26.5		
118	Magnesium		ug/dscf	n		7.95		0.742		0.663		
119	Manganese		ug/dscf	n		0.37		0.155		2.93		
120	Mercury		ug/dscf	n		22.8		19.5		15.5		
121	Molybdenum		ug/dscf	n		10.6		15.5		3.31		
122	Nickel		ug/dscf	n		7.88		11.8		4.43		
123	Phosphorus		ug/dscf	n		10.5		13.9		4.32		
124	Potassium		ug/dscf	n		127		18.3		9.92		
125	Selenium		ug/dscf	n		4.31		3.27		1.03		
126	Silicon		ug/dscf	n		0.965		1.11		0.592		
127	Silver		ug/dscf	n		0.56		0.571		0.832		
128	Sodium		ug/dscf	n		317		48.9		28.7		
129	Strontium		ug/dscf	n		2.77		0.0687		0.0298		
130	Thallium		ug/dscf	n		2.81		2		0.677		
131	Tin		ug/dscf	n		1.5		0.921		0.395		
132	Titanium		ug/dscf	n		1.07		0.12		0.0539		
133	Vanadium		ug/dscf	n		1.72		1.8		0.504		
134	Zinc		ug/dscf	n		115		3.36		1.25		
135	Chromium (Hex)		ug/dscf	n		0.0675		0.0767		0.406		
136												
137	Aluminum	E2	ug/dscm	y		4012.9		57.3		49.1		1373.1
138	Antimony	E2	ug/dscm	y		143.6		115.0		33.1		97.2
139	Arsenic	E2	ug/dscm	y		196.5		154.6		44.8		132.0
140	Barium	E2	ug/dscm	y		3874.6		89.7		28.3		1330.9
141	Beryllium	E2	ug/dscm	y		6.3		5.4		1.7		4.4
142	Boron	E2	ug/dscm	y		18.5		6.0		9.6		11.3

	B	C	D	E	F	G	H	I	J	K	L	M
143	Cadmium	E2	ug/dscm	y		193.7		137.2		46.8		125.9
144	Calcium	E2	ug/dscm	y		1895.8		151.5		133.8		727.0
145	Chromium	E2	ug/dscm	y		200.6		218.7		65.1		161.5
146	Cobalt	E2	ug/dscm	y		3.8		2.0		3.2		3.0
147	Copper	E2	ug/dscm	y		688.4		275.3		102.6		355.4
148	Iron	E2	ug/dscm	y		293.7		189.0		100.9		194.5
149	Lead	E2	ug/dscm	y		3805.4		2797.6		879.8		2494.3
150	Magnesium	E2	ug/dscm	y		275.0		25.3		22.0		107.5
151	Manganese	E2	ug/dscm	y		12.8		5.3		97.3		38.5
152	Mercury	E2	ug/dscm	y		788.8		665.3		514.6		656.2
153	Molybdenum	E2	ug/dscm	y		366.7		528.8		109.9		335.1
154	Nickel	E2	ug/dscm	y		272.6		402.6		147.1		274.1
155	Phosphorus	E2	ug/dscm	y		363.2		474.2		143.4		327.0
156	Potassium	E2	ug/dscm	y		4393.5		624.3		329.4		1782.4
157	Selenium	E2	ug/dscm	y		149.1		111.6		34.2		98.3
158	Silicon	E2	ug/dscm	y		33.4		37.9		19.7		30.3
159	Silver	E2	ug/dscm	y		19.4		19.5		27.6		22.2
160	Sodium	E2	ug/dscm	y		10966.4		1668.3		952.9		4529.2
161	Strontium	E2	ug/dscm	y		95.8		2.3		1.0		33.1
162	Thallium	E2	ug/dscm	y		97.2		68.2		22.5		62.6
163	Tin	E2	ug/dscm	y		51.9		31.4		13.1		32.1
164	Titanium	E2	ug/dscm	y		37.0		4.1		1.8		14.3
165	Vanadium	E2	ug/dscm	y		59.5		61.4		16.7		45.9
166	Zinc	E2	ug/dscm	y		3978.4		114.6		41.5		1378.2
167	Chromium (Hex)	E2	ug/dscm	y		2.3		2.6		13.5		6.1
168	SVM	E2	ug/dscm	y		3999.1		2934.8		926.6		2620.2
169	LVM	E2	ug/dscm	y		403.4		378.6		111.6		297.9
170												
171	POHC		Chlorobenzene									
172	POHC Feedrate		lb/hr			256		302		293		
173	Emission Rate	E1	lb/hr			2.66E-04		3.37E-04		1.71E-04		
174	DRE	E1	%			99.999896		99.999888		99.999942		
175												
176	POHC		Tetrachloroethylene									
177	POHC Feedrate		lb/hr			285		305		302		
178	Emission Rate	E1	lb/hr			3.68E-04		3.90E-04		3.74E-04		
179	DRE	E1	%			99.999871		99.999872		99.999876		
180												
181	603C13					R1		R2		R3		Cond Avg
182												
183	CO (MHRA)	E1	ppmv	y								1.8
184	HC	E1	ppmv	y								1.00
185	PM	E1	gr/dscf	y		0.0035		0.0068		0.005		0.0051
186	HCl		ug/dscf	n		12.5		23.2		14.2		
187	Cl2		ug/dscf	n		2.18		3.19		3.27		
188	HCl	E1	ppmv	y		0.29		0.59		0.36		0.41
189	Cl2	E1	ppmv	y		0.03		0.04		0.04		0.04
190	Total Chlorine	E1	ppmv	y		0.35		0.67		0.45		0.49
191												
192	Sampling Train	HCl	E1									
193	Stack Gas Flowrate		dscfm			35800		39400		37300		
194	O2		%			7.10		8.10		8.20		
195	Moisture		%			7.80		8.60		9.20		
196	Temperature		°F			110		112		114		
197												
198	Sampling Train	metals	E2									
199	Stack Gas Flowrate		dscfm			37100		39600		39700		
200	O2		%			7.1		8.1		8.2		
201	Moisture		%			7.8		9.1		9		
202	Temperature		°F			109		112		113		
203												
204	Aluminum		ug/dscf	n		127		123		226		
205	Antimony		ug/dscf	n		0.749		2.52		1.42		
206	Arsenic		ug/dscf	n		0.61		2.43		1.31		
207	Barium		ug/dscf	n		126		122		151		
208	Beryllium		ug/dscf	n		0.0623		0.118		0.109		
209	Boron		ug/dscf	n		0.553		0.313		0.735		
210	Cadmium		ug/dscf	n		1.04		2.78		1.63		
211	Calcium		ug/dscf	n		58.8		57.2		99.5		
212	Chromium		ug/dscf	n		1.4		4.14		2.46		
213	Cobalt		ug/dscf	n		0.0771		0.215		0.116		

	B	C	D	E	F	G	H	I	J	K	L	M
214	Copper		ug/dscf	n		4.55		4.81		2.78		
215	Iron		ug/dscf	n		6.87		9.48		5.87		
216	Lead		ug/dscf	n		7.95		22.4		14.5		
217	Magnesium		ug/dscf	n		8.52		8.47		14.7		
218	Manganese		ug/dscf	n		0.343		0.551		0.329		
219	Mercury		ug/dscf	n		0.413		8.01		6.84		
220	Molybdenum		ug/dscf	n		0.656		11.1		2.92		
221	Nickel		ug/dscf	n		2.38		4.18		1.82		
222	Phosphorus		ug/dscf	n		2.19		4.02		4.42		
223	Potassium		ug/dscf	n		111		114		210		
224	Selenium		ug/dscf	n		0.937		3.12		1.61		
225	Silicon		ug/dscf	n		2.1		1.14		1.95		
226	Silver		ug/dscf	n		0.233		0.548		0.577		
227	Sodium		ug/dscf	n		290		294		485		
228	Strontium		ug/dscf	n		3.26		3.08		5.65		
229	Thallium		ug/dscf	n		0.744		1.82		1.14		
230	Tin		ug/dscf	n		0.265		0.342		0.354		
231	Titanium		ug/dscf	n		0.406		0.344		0.622		
232	Vanadium		ug/dscf	n		0.199		0.98		0.361		
233	Zinc		ug/dscf	n		124		118		192		
234	Chromium (Hex)		ug/dscf	n		0.0312		0.177		0.154		
235												
236	Aluminum	E2	ug/dscm	y		4519.9		4716.9		8734.5		5990.5
237	Antimony	E2	ug/dscm	y		26.7		96.6		54.9		59.4
238	Arsenic	E2	ug/dscm	y		21.7		93.2		50.6		55.2
239	Barium	E2	ug/dscm	y		4484.3		4678.6		5835.9		4999.6
240	Beryllium	E2	ug/dscm	y		2.2		4.5		4.2		3.7
241	Boron	E2	ug/dscm	y		19.7		12.0		28.4		20.0
242	Cadmium	E2	ug/dscm	y		37.0		106.6		63.0		68.9
243	Calcium	E2	ug/dscm	y		2092.7		2193.6		3845.5		2710.6
244	Chromium	E2	ug/dscm	y		49.8		158.8		95.1		101.2
245	Cobalt	E2	ug/dscm	y		2.7		8.2		4.5		5.2
246	Copper	E2	ug/dscm	y		161.9		184.5		107.4		151.3
247	Iron	E2	ug/dscm	y		244.5		363.5		226.9		278.3
248	Lead	E2	ug/dscm	y		282.9		859.0		560.4		567.5
249	Magnesium	E2	ug/dscm	y		303.2		324.8		568.1		398.7
250	Manganese	E2	ug/dscm	y		12.2		21.1		12.7		15.4
251	Mercury	E2	ug/dscm	y		14.7		307.2		264.4		195.4
252	Molybdenum	E2	ug/dscm	y		23.3		425.7		112.9		187.3
253	Nickel	E2	ug/dscm	y		84.7		160.3		70.3		105.1
254	Phosphorus	E2	ug/dscm	y		77.9		154.2		170.8		134.3
255	Potassium	E2	ug/dscm	y		3950.5		4371.8		8116.2		5479.5
256	Selenium	E2	ug/dscm	y		33.3		119.6		62.2		71.7
257	Silicon	E2	ug/dscm	y		74.7		43.7		75.4		64.6
258	Silver	E2	ug/dscm	y		8.3		21.0		22.3		17.2
259	Sodium	E2	ug/dscm	y		10321.1		11274.6		18744.5		13446.7
260	Strontium	E2	ug/dscm	y		116.0		118.1		218.4		150.8
261	Thallium	E2	ug/dscm	y		26.5		69.8		44.1		46.8
262	Tin	E2	ug/dscm	y		9.4		13.1		13.7		12.1
263	Titanium	E2	ug/dscm	y		14.4		13.2		24.0		17.2
264	Vanadium	E2	ug/dscm	y		7.1		37.6		14.0		19.5
265	Zinc	E2	ug/dscm	y		4413.1		4525.2		7420.5		5452.9
266	Chromium (Hex)	E2	ug/dscm	y		1.1		6.8		6.0		4.6
267	SVM	E2	ug/dscm	y		320.0		965.6		623.4		636.3
268	LVM	E2	ug/dscm	y		73.8		256.5		149.9		160.0
269												
270												
271	POHC		Chlorobenzene									
272	POHC Feedrate		lb/hr			215		274		275		
273	Emission Rate	E1	lb/hr			2.76E-04		3.19E-04		3.72E-04		
274	DRE	E1	%			99.999872		99.999884		99.999865		
275												
276	POHC		Tetrachloroethylene									
277	POHC Feedrate		lb/hr			209		266		283		
278	Emission Rate	E1	lb/hr			3.90E-04		1.49E-04		9.85E-05		
279	DRE	E1	%			99.999813		99.999944		99.999965		

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Stack Gas Emissions 2																	
2																		
3																		
4																		
5	603C1			7%O2														
6		Comments	Units			R1	R2	R3	R4	R5	R6							Cond Avg
7	PM	E2	gr/dscf	y	0.0008	0.0015	0.0011											0.0012
8	CO (RA)	E2	ppmv	y	0.0	1.6	0.0											0.5
9	HC (RA)	E2	ppmv	y	0.0	0.2	0.6											0.3
10	HCl	E2	ppmv	y	1.2 nd	0.8 nd	0.8											0.9
11																		
12	PCBs	DRE	%		99.999990	99.999995	99.999998											
13																		
14	Sampling Train	Dioxin & Furan	E1															
15	Stack Gas Flowrate		dscfm		38400.0	31600.0	32300.0											
16	O2		%		7.8	12.5	7.6											
17	Moisture		%		19.6	14.6	15.8											
18	Temperature		°F		135.0	129.0	132.0											
19																		
20	Sampling Train	Particulate	E2															
21	Stack Gas Flowrate		dscfm		34500.0	31300.0	29200.0											
22	O2		%		7.8	12.5	7.6											
23	Moisture		%		19.3	14.6	16.0											
24	Temperature		°F		138.0	131.0	133.0											
25																		
26	Sampling Train	SVOC	E3															
27	Stack Gas Flowrate		dscfm		32700.0	32400.0	31500.0											
28	O2		%		7.8	12.5	7.6											
29	Moisture		%		18.9	14.2	15.4											
30	Temperature		°F		138.0	131.0	132.0											
31																		
32	603C2																	
33																		
34	PM	E2	gr/dscf	y	0.0021	0.0013	0.0010											0.0015
35	CO (RA)	E2	ppmv	y	0.0	0.0	0.0											0.0
36	HC (RA)	E2	ppmv	y	0.2	0.3	0.0											0.2
37	HCl	E2	ppmv	y	0.4	0.2	0.7											0.4
38																		
39	PCBs	DRE	%		99.999976	99.999999	99.999992											
40																		
41	Sampling Train	Dioxin & Furan	E1															
42	Stack Gas Flowrate		dscfm		32600.0	32900.0	34200.0											
43	O2		%		7.4	7.3	8.0											
44	Moisture		%		20.9	20.4	19.0											
45	Temperature		°F		140.0	141.0	138.0											
46																		
47	Sampling Train	Particulate	E2															
48	Stack Gas Flowrate		dscfm		30300.0	32100.0	32300.0											
49	O2		%		7.4	7.3	8.0											
50	Moisture		%		20.4	20.4	18.9											
51	Temperature		°F		141.0	142.0	140.0											
52																		
53	Sampling Train	SVOC	E3															

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
54	Stack Gas Flowrate		dscfm			30900.0		31500.0		35100.0								
55	O2		%			7.4		7.3		8.0								
56	Moisture		%			20.6		20.4		18.7								
57	Temperature		°F			141.0		143.0		140.0								
58																		
59	603C3					R1	R2	R3	R4	R5	R6							Cond Avg
60	PM	E3	gr/dscf	y		0.0059	0.0067	0.0041										0.0056
62	CO (RA)	E3	ppmv	y		10.4	5.4	6.6										7.5
63	HC (RA)	E3	ppmv	y	nd	0.1	nd	0.1										0.1
64	HCl	E3	ppmv	y		1.0	1.1	1.2										1.1
65	Arsenic	E2	ug/dscm	y		9.5	7.1	8.2										8.3
66	Beryllium	E2	ug/dscm	y	nd	0.2	nd	0.2										0.2
67	Cadmium	E2	ug/dscm	y		1.6	2.2	2.1										2.0
68	Chromium	E2	ug/dscm	y		5.5	4.9	5.8										5.4
69	Lead	E2	ug/dscm	y		33.6	35.2	66.2										45.0
70	Mercury	E2	ug/dscm	y		1.9	2.0	9.3										4.4
71	Nickel	E2	ug/dscm	y		1.3	2.5	2.1										2.0
72	Vanadium	E2	ug/dscm	y	nd	1.8	nd	2.0										1.9
73	SVM	E2	ug/dscm	y		35.2	37.4	68.2										46.9
74	LVM	E2	ug/dscm	y		15.2	12.2	14.2										13.9
75																		
76	1,1,2-trichloroethane	DRE	%			99.999954	99.999952	99.999952										
77	Carbon Tetrachloride	DRE	%			99.999896	99.999877	99.999894										
78	Chlorobenzene	DRE	%			99.999967	99.999958	99.999986										
79	trichloroethene	DRE	%			99.999949	99.999947	99.999947										
80																		
81	Sampling Train	Dioxin & Furan	E1															
82	Stack Gas Flowrate		dscfm			40181.0	41005.0	42044.0										
83	O2		%			8.5	7.8	8.3										
84	Moisture		%			13.2	13.8	18.0										
85	Temperature		°F			124.0	124.0	134.0										
86																		
87	Sampling Train	Metals	E2															
88	Stack Gas Flowrate		dscfm			39616.0	40802.0	40323.0										
89	O2		%			8.5	7.8	8.3										
90	Moisture		%			13.3	14.0	18.2										
91	Temperature		°F			124.0	124.0	134.0										
92																		
93	Sampling Train	Particulate	E3															
94	Stack Gas Flowrate		dscfm			39530.0	41235.0	43844.0										
95	O2		%			8.5	7.8	8.3										
96	Moisture		%			13.4	14.0	18.4										
97	Temperature		°F			122.0	122.0	132.0										
98																		
99	603C4					R1	R2	R3	R4	R5	R6							Cond Avg
100																		
101	PM	E2	gr/dscf	y		0.0055	0.0093	0.0062										0.0070
102	CO (RA)	E2	ppmv	y		8.5	5.8	5.1										6.5
103	HC (RA)	E2	ppmv	y	nd	0.1	1.0	0.3										0.5
104	HCl	E2	ppmv	y		1.0	1.7	1.5										1.4
105																		
106	1,1,2-trichloroethane	DRE	%			99.999949	99.999961	99.999949										

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
107	Carbon Tetrachloride	DRE	%			99.999905	99.999905	99.999905	99.999789									
108	Chlorobenzene	DRE	%			99.999963	99.999963	99.999982	99.999961									
109	trichloroethene	DRE	%			99.999943	99.999943	99.999995	99.999937									
110																		
111	Sampling Train	Dioxin & Furan E1																
112	Stack Gas Flowrate	dscfm				43341.0	43341.0	40901.0	42093.0									
113	O2	%				6.6	6.6	6.8	7.6									
114	Moisture	%				21.5	21.5	19.6	17.2									
115	Temperature	°F				142.0	142.0	138.0	133.0									
116																		
117	Sampling Train	Particulate	E2															
118	Stack Gas Flowrate	dscfm				43694.0	43694.0	39636.0	44874.0									
119	O2	%				6.6	6.6	6.8	7.6									
120	Moisture	%				22.2	22.2	0.0	17.7									
121	Temperature	°F				140.0	140.0	135.0	131.0									
122																		
123	603C5					R1	R1	R2	R3	R4	R4	R5	R5	R6	R6			Cond Avg
124																		
125	PM	E2	gr/dscf	y		0.0025	0.0025	0.0028	0.0014									0.0023
126	CO (RA)	E2	ppmv	y		3.0	3.0	2.8	2.5									2.8
127	HC (RA)	E2	ppmv	y		1.8	1.8	0.6	0.1									0.9
128	HCl	E2	ppmv	y	nd	0.0	0.0	0.0	0.0									0.0
129																		
130	1,1,2-trichloroethane	DRE	%			99.999976	99.999976	99.999972	99.999946									
131	Carbon Tetrachloride	DRE	%			99.999741	99.999741	99.999745	99.999621									
132	Chlorobenzene	DRE	%			99.999998	99.999998	99.999993	99.999999									
133	trichloroethene	DRE	%			99.999961	99.999961	99.999985	99.999955									
134																		
135	Sampling Train	Dioxin & Furan E1																
136	Stack Gas Flowrate	dscfm				34518.0	34518.0	34345.0	33657.0									
137	O2	%				8.8	8.8	10.1	8.3									
138	Moisture	%				9.3	9.3	9.2	9.2									
139	Temperature	°F				117.0	117.0	117.0	118.0									
140																		
141	Sampling Train	Particulate	E2															
142	Stack Gas Flowrate	dscfm				33708.0	33708.0	32836.0	33667.0									
143	O2	%				8.8	8.8	10.1	8.3									
144	Moisture	%				9.9	9.9	9.7	9.6									
145	Temperature	°F				113.0	113.0	113.0	114.0									
146																		
147	603C6					R1	R1	R2	R3	R4	R4	R5	R5	R6	R6			Cond Avg
148																		
149	PM	E2	gr/dscf	y		0.0050	0.0050	0.0016	0.0009									0.0025
150	CO (RA)	E2	ppmv	y		23.3	23.3	1.0	1.0									12.2
151	HC (RA)	E2	ppmv	y		0.0	0.0	0.0	0.3									0.1
152	HCl	E2	ppmv	y	nd	0.3	0.3	0.2	0.2									0.2
153																		
154	1,1,2-trichloroethane	DRE	%			99.999994	99.999994	99.999994	99.999993									
155	Carbon Tetrachloride	DRE	%			99.999984	99.999984	99.999976	99.999983									
156	Chlorobenzene	DRE	%			99.999998	99.999998	99.999998	99.999998									
157	Tetrachloroethene	DRE	%			99.999999	99.999999	99.999979	99.999996									
158																		
159	Sampling Train	Dioxin & Furan E1																

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
160	Stack Gas Flowrate		dscfm			33800.0		33800.0		33500.0								
161	O2		%			7.2		7.4		7.2								
162	Moisture		%			11.7		17.9		12.8								
163	Temperature		°F			119.0		136.0		124.0								
164																		
165	Sampling Train	Particulate	E2															
166	Stack Gas Flowrate		dscfm			34400.0		35500.0		39200.0								
167	O2		%			7.2		7.4		7.2								
168	Moisture		%			11.5		18.8		6.0								
169	Temperature		°F			119.0		137.0		124.0								
170																		
171	603C7					R1		R2		R3		R4		R5		R6		Cond Avg
172																		
173	PM	E1	gr/dscf	y		0.0019		0.0008		0.0012								0.0014
174	CO (RA)	E1	ppmv	y				1.1		1.1								1.1
175	HC (RA)	E1	ppmv	y		4.6		0.0		0.0								0.0
176	HCl	E1	ppmv	y		0.3		0.3		0.4								0.5
177																		
178	Sampling Train	Particulate	E1															
179	Stack Gas Flowrate		dscfm			45000.0		43000.0		40300.0								40100.0
180	O2		%			7.5		8.0		8.1								8.4
181	Moisture		%			13.2		15.5		10.5								10.9
182	Temperature		°F			128.0		129.0		116.0								118.0
183																		
184	1,1,2-trichloroethane	DRE	%			99.99991		99.99993		99.99994								99.99997
185	Carbon Tetrachloride	DRE	%			99.99979		99.99964		99.99979								99.99986
186	Chlorobenzene	DRE	%			99.99998		99.99997		99.99998								99.99996
187	Tetrachloroethene	DRE	%			99.999995		99.999965		99.999981								99.99997
188																		
189	603C8					R1		R2		R3		R4		R5		R6		Cond Avg
190																		
191	PM	E2	gr/dscf	y		0.0017		0.0017		0.0022								0.0018
192	CO (RA)	E2	ppmv	y		0.0		1.0		10.9								4.0
193	HC (RA)	E2	ppmv	y		1.0		1.1		1.6								1.2
194	HCl	E2	ppmv	y		0.1 nd		0.4 nd		0.4								0.3
195	Arsenic	E1	ug/dscm	y		3.4		3.8		6.7								4.6
196	Beryllium	E1	ug/dscm	y		0.2 nd		0.2 nd		0.4								0.3
197	Cadmium	E1	ug/dscm	y		0.6 nd		0.5 nd		0.9								0.7
198	Chromium	E1	ug/dscm	y		5.7		6.4		10.8								7.7
199	Lead	E1	ug/dscm	y		2.4		2.7		3.9								3.0
200	Mercury	E1	ug/dscm	y		3.2		4.0		8.7								5.3
201	Nickel	E1	ug/dscm	y		2.4 nd		2.1 nd		3.6								2.7
202	Vanadium	E1	ug/dscm	y		1.4 nd		1.1 nd		1.9								1.4
203	SVM	E1	ug/dscm	y		3.0		3.2		4.8								3.6
204	LVM	E1	ug/dscm	y		9.3		10.4		17.9								12.5
205																		
206	1,1,2-trichloroethane	DRE	%			99.99989		99.99989		99.99991								
207	Carbon Tetrachloride	DRE	%			99.99984		99.99993		99.99988								
208	Chlorobenzene	DRE	%			99.99999		99.99997		99.99997								
209	Tetrachloroethene	DRE	%			99.999938		99.999988		99.999967								
210																		
211	Sampling Train	Metals	E1															
212	Stack Gas Flowrate		dscfm			38600.0		35200.0		39600.0								

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
213	O2		%			6.7		7.0		6.9								
214	Moisture		%			17.8		19.9		20.1								
215	Temperature		%F			136.0		141.0		142.0								
216																		
217	Sampling Train	Particulate	E2															
218	Stack Gas Flowrate		dscfm			39600.0		36500.0		40300.0								
219	O2		%			6.7		7.0		6.9								
220	Moisture		%			17.8		20.3		20.3								
221	Temperature		%F			135.0		129.0		140.0								
222																		
223	603C9					R1	R2	R2		R3	R4	R5	R6					Cond Avg
224																		
225	PM	E1	gr/dscf	Y		0.0042		0.0032		0.0040								0.0038
226	CO (RA)	E1	ppmv	Y		6.4		8.1		7.8								7.4
227	HC (RA)	E1	ppmv	Y		1.3		0.0		0.0								0.4
228	HCl	E1	ppmv	Y		1.9		2.8		0.0								1.6
229	HF		ppmv	Y	nd	0.3		0.2		0.3								0.3
230																		
231	1,1,2-trichloroethane	DRE	%			99.99991		99.99993		99.99992								
232	Carbon Tetrachloride	DRE	%			99.99982		99.99986		99.99972								
233	Chlorobenzene	DRE	%			99.99996		99.99997		99.99994								
234	Tetrachloroethene	DRE	%			99.999967		99.999989		99.999942								
235																		
236	Sampling Train	Particulate	E1															
237	Stack Gas Flowrate		dscfm			24400.0		24000.0		25800.0								
238	O2		%			10.0		10.6		10.2								
239	Moisture		%			8.2		8.6		7.2								
240	Temperature		%F			104.0		102.0		105.0								
241																		
242	603B1					R1	R2	R2		R3	R4	R5	R6					Cond Avg
243																		
244	PM	E1	gr/dscf	Y		0.0002		0.0012		0.0011								0.0010
245	CO (RA)	E1	ppmv	Y				1.2		1.1								1.1
246	HC (RA)	E1	ppmv	Y				0.0		0.3								0.1
247	HCl	E1	ppmv	Y		0.7		6.9		8.1								8.1
248																		
249	Sampling Train	Particulate	E1															
250	Stack Gas Flowrate		dscfm			32800.0		30000.0		29300.0								
251	O2		%			9.0		7.8		7.2								7.8
252	Moisture		%			8.3		8.8		7.8								6.4
253	Temperature		%F			109.0		110.0		108.0								100.0
254																		
255	1,1,2-trichloroethane	DRE	%					99.9999		99.99996								99.99989
256	Carbon Tetrachloride	DRE	%					99.99987		99.99985								99.99982
257	Chlorobenzene	DRE	%					99.99998		99.99997								99.99993
258	Tetrachloroethene	DRE	%					99.999969		99.999979								99.999936
259																		
260	603B2					R1	R2	R2		R3	R4	R5	R6					Cond Avg
261																		
262	PM	E2	gr/dscf	Y		0.0026		0.0031		0.0042								0.0058
263	CO (RA)	E2	ppmv	Y		0.0		0.0		0.0								0.0
264	HC (RA)	E2	ppmv	Y		1.0		1.0		1.0								1.0
265	HCl	E2	ppmv	Y		0.6		0.2		0.2								0.3

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
266																		
267	1,1,2-trichloroethane	DRE	%			99.99997		99.99992		99.99993								
268	Carbon Tetrachloride	DRE	%			99.99968		99.9997		99.99963								
269	Chlorobenzene	DRE	%			99.99996		99.99996		99.99996								
270	Tetrachloroethene	DRE	%			99.999958		99.999968		99.99997								
271																		
272	Sampling Train	Dioxin & Furan E1	dscfm			40400.0		37500.0		43000.0								
273	Stack Gas Flowrate		%			7.5		6.9		6.3								
274	O2		%			23.6		28.5		20.7								
275	Moisture		°F			145.0		143.0		141.0								
276	Temperature																	
277																		
278	Sampling Train	Particulate	E2			43600.0		40400.0		41200.0		43900.0		47500.0		42800.0		
279	Stack Gas Flowrate		dscfm			7.5		6.9		6.3		7.5		6.9		6.3		
280	O2		%			22.7		22.0		21.5		24.8		25.9		25.4		
281	Moisture		°F			147.0		135.0		142.0		147.0		151.0		149.0		
282	Temperature																	
283																		
284	603B3					R1		R2		R3		R4		R5		R6		Cond Avg
285																		
286	PM	E4	gr/dscf	Y		0.0022		0.0016		0.0010								0.0016
287	CO (RA)	E4	ppmv	Y		2.0		0.8		1.0								1.3
288	HCl	E2	ppmv	Y		0.2		0.2		0.1								0.2
289	Cl2	E2	ppmv	Y		0.1		0.1		0.1								0.1
290	Total Chlorine	E2	ppmv	Y		0.4		0.3		0.3								0.3
291																		
292	Arsenic	E3	ug/dscm	Y		3.4		1.1		1.1								1.9
293	Beryllium	E3	ug/dscm	Y	nd	0.0		0.0	nd	0.0								0.0
294	Cadmium	E3	ug/dscm	Y		1.2		0.9		2.4								1.5
295	Chromium	E3	ug/dscm	Y		4.0		2.0		2.3								2.8
296	Lead	E3	ug/dscm	Y		61.6		33.5		34.6								43.2
297	Mercury	E3	ug/dscm	Y		899.3		1171.7		454.0								841.7
298	Nickel	E3	ug/dscm	Y		1.3		2.3		1.5								1.7
299	Vanadium	E3	ug/dscm	Y		0.6		0.5		0.8								0.6
300	SVM	E3	ug/dscm	Y		62.7		34.4		37.0								44.7
301	LVM	E3	ug/dscm	Y		7.4		3.1		3.4								4.7
302																		
303	Sampling Train	Dioxin & Furan E1	dscfm			34982.0		36197.0		37180.0								
304	Stack Gas Flowrate		%			8.8		8.6		8.7								
305	O2		%			8.3		8.8		8.6								
306	Moisture		°F			112.0		115.2		112.7								
307	Temperature																	
308																		
309	Sampling Train	Halogens	E2			35482.0		35782.0		36046.0								
310	Stack Gas Flowrate		dscfm			8.8		8.6		8.7								
311	O2		%			8.8		9.5		9.2								
312	Moisture		°F			113.0		115.0		112.2								
313	Temperature																	
314																		
315	Sampling Train	Metals	E3			35669.0		35814.0		36374.0								
316	Stack Gas Flowrate		dscfm			8.8		8.6		8.7								
317	O2		%			9.1		8.8		9.0								
318	Moisture		°F															

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
319	Temperature		°F			112.0		112.9		110.3								
320																		
321	Sampling Train	Particulate	E4															
322	Stack Gas Flowrate		dscfm			36053.0		34091.0		35564.0								
323	O2		%			8.8		8.6		8.7								
324	Moisture		%			8.5		9.2		7.0								
325	Temperature		°F			114.0		114.8		111.8								
326																		
327	1,1,2-trichloroethane	DRE	%			99.999995		99.999996		99.999993								
328	Chlorobenzene	DRE	%			99.999996		99.999961		99.999959								
329	Tetrachloroethene	DRE	%			99.999941		99.999976		99.999997								
330																		
331	603B4					R1		R2		R3								Cond Avg
332																		
333	Sampling Train	VOC	E1															
334	Stack Gas Flowrate		dscfm			19500.0		24200.0		26600.0								
335	O2		%			12.5		10.5		10.5								
336	Moisture		%			7.4		8.4		8.1								
337	Temperature		°F			111.0		111.0		111.0								
338																		
339	1,1,2-trichloroethane	DRE	%			99.999993		99.999995		99.999994								
340	Carbon Tetrachloride	DRE	%			99.999998		99.999999		99.999992								
341	Chlorobenzene	DRE	%			99.999986		99.999999		99.999995								
342	Tetrachloroethene	DRE	%			99.999995		99.999999		99.999993								
343																		
344	603B5					R1		R2		R3								Cond Avg
345																		
346	Sampling Train	VOC	E1															
347	Stack Gas Flowrate		dscfm			14900.0		26500.0		27100.0								
348	O2		%			8.5		9.0		9.0								
349	Moisture		%			8.7		8.8		8.7								
350	Temperature		°F			114.0		113.0		114.0								
351																		
352	1,1,2-trichloroethane	DRE	%			99.999995		99.999994		99.999994								
353	Carbon Tetrachloride	DRE	%			99.999998		99.999996		99.999995								
354	Chlorobenzene	DRE	%			99.999991		99.999988		99.999989								
355	Tetrachloroethene	DRE	%			99.999991		99.999988		99.999989								

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	Feedstreams 2																										
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																											
31																											
32																											
33																											
34																											
35																											
36																											
37																											
38																											
39																											
40																											
41																											
42																											
43																											
44																											
45																											
46																											
47																											
48																											
49																											
50																											
51																											
52																											
53																											
54																											
55																											
56																											
57																											
58																											
59																											
60																											

US EPA ARCHIVE DOCUMENT

B	AD	AE	AF	AG	AI	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
1	Feedstreams 2																									
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										
21																										
22																										
23																										
24																										
25																										
26																										
27																										
28																										
29																										
30																										
31																										
32																										
33																										
34																										
35																										
36																										
37																										
38																										
39																										
40																										
41																										
42																										
43																										
44																										
45																										
46																										
47																										
48																										
49																										
50																										
51																										
52																										
53																										
54																										
55																										
56																										
57																										
58																										
59																										
60																										

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
1	Feedstreams 2											
2												
3												
4	603C10	R3	Cond Avg	R1	R2	R3						Cond Avg
5												
6	Feedstream Number	F7										
7	Feed Class	Total	F7									
8	Feed Class 2	Total	Total									
9	Feedstream Description											
10	Feed Rate											
11	Density											
12	Ash											
13	Chlorine											
14	Heating value											
15												
16	Stack Gas Flowrate	40100		39800								
17	Oxygen	8.1		7.2								
18												
19	Thermal Feedrate	77.1		71.4								
20	Estimated Firing Rate	164.22		173.94								
21												
22	Feedrate MTEC Calculations											
23												
24	Ash	55130.0		53438.5				50273.5		55130.0		53438.5
25	Chlorine	15773756.9		15103917.2								
26												
27	603C11											
28												
29	Feedstream Number											
30	Feed Class											
31	Feed Class 2											
32	Feedstream											
33	Nickel											
34	Gas flowrate											
35												
36	Feedrate MTEC Calculations											
37	Nickel											
38												
39	603C12											
40												
41	Feedstream Number											
42	Feed Class											
43	Feed Class 2											
44	Feed Description											
45	Feedrate											
46	Ash											
47	Chlorine											
48	Antimony											
49	Arsenic											
50	Barium											
51	Beryllium											
52	Cadmium											
53	Chromium											
54	Lead											
55	Mercury											
56	Nickel											
57	Selenium											
58	Silver											
59	Thallium											
60	Vanadium											

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	
61																												
62	Stack Gas Flowrate				41200		42100		40600																			
63	Oxygen			6.7			6.5		6.1																			
64																												
65	<i>Feedrate MTEC Calculations</i>																											
66	Ash	mg/dscm	y		28546		17121		13662																		19777	
67	Chlorine	ug/dscm	y	14231837		16985404		17758889		16325377																		
68	Antimony	ug/dscm	y	17599		16707		16934		16934																		
69	Arsenic	ug/dscm	y	18616		17047		17388		17683																		
70	Barium	ug/dscm	y	43140		32806		33847		36598																		
71	Beryllium	ug/dscm	y	6182		6114		6095		6130																		
72	Cadmium	ug/dscm	y	18298		17169		17450		17639																		
73	Chromium	ug/dscm	y	149307		153911		150363		151194																		
74	Lead	ug/dscm	y	339277		342774		493784		391945																		
75	Mercury	ug/dscm	y	915		858		866		880																		
76	Nickel	ug/dscm	y	170274		80941		76728		109314																		
77	Selenium	ug/dscm	y	29226		27962		28402		28530																		
78	Silver	ug/dscm	y	9086		8769		8910		8922																		
79	Thallium	ug/dscm	y	9975		9566		9715		9752																		
80	Vanadium	ug/dscm	y	176627		65611		11571		84603																		
81	SVM	ug/dscm	y	357575		359943		511233		409584																		
82	LVM	ug/dscm	y	174105		177071		173845		175007																		
83																												
84	603C13				R1		R2		R3																		Cond Avg	
85																												
86	Feedstream Number																											
87	Feed Class				F1		F1		F1																			
88	Feed Class 2				Total		Total		Total																			
89	Feed Description				Total		Total		Total																			
90	Ash	lb/hr		8160		5033		4931		2700																		
91	Chlorine	lb/hr		2200		2290		2700		2700																		
92	Antimony	lb/hr		3.19		2.75		3.0		2.6																		
93	Arsenic	lb/hr		2.53		2.47		2.6		2.6																		
94	Barium	lb/hr		5.79		5.62		7.0		7.0																		
95	Beryllium	lb/hr		0.884		0.98		1.0		1.0																		
96	Cadmium	lb/hr		2.32		2.31		2.4		2.4																		
97	Chromium	lb/hr		15.1		16.90		15.9		15.9																		
98	Lead	lb/hr		15.1		15.30		19.0		19.0																		
99	Mercury	lb/hr		0.133		0.14		0.1		0.1																		
100	Nickel	lb/hr		14.1		12.90		12.8		12.8																		
101	Selenium	lb/hr		4.64		4.57		4.6		4.6																		
102	Silver	lb/hr		1.41		1.41		1.4		1.4																		
103	Thallium	lb/hr		1.57		1.57		1.6		1.6																		
104	Vanadium	lb/hr		2.09		5.95		4.0		4.0																		
105																												
106	Stack Gas Flowrate				37100		39600		39700																			
107	Oxygen			7.1		8.1		8.2		8.2																		
108																												
109	<i>Feedrate MTEC Calculations</i>																											
110	Ash	mg/dscm	y	59233		36882		36325		44147																		
111	Chlorine	ug/dscm	y	15969090		16780187		1988842		17546040																		
112	Antimony	ug/dscm	y	23155		20151		21826		21826																		
113	Arsenic	ug/dscm	y	18364		18099		19005		18490																		
114	Barium	ug/dscm	y	42028		41181		51416		44875																		
115	Beryllium	ug/dscm	y	6417		7210		7514		7047																		
116	Cadmium	ug/dscm	y	16840		16927		17679		17149																		
117	Chromium	ug/dscm	y	109606		123836		117123		116855																		
118	Lead	ug/dscm	y	109606		112112		139959		120559																		
119	Mercury	ug/dscm	y	965		989		1098		1017																		
120	Nickel	ug/dscm	y	102347		94526		94288		97054																		

	B	AD	AE	AF	AG	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	
61																														
62																														
63																														
64																														
65																														
66																														
67																														
68																														
69																														
70																														
71																														
72																														
73																														
74																														
75																														
76																														
77																														
78																														
79																														
80																														
81																														
82																														
83																														
84																														
85																														
86																														
87																														
88																														
89																														
90																														
91																														
92																														
93																														
94																														
95																														
96																														
97																														
98																														
99																														
100																														
101																														
102																														
103																														
104																														
105																														
106																														
107																														
108																														
109																														
110																														
111																														
112																														
113																														
114																														
115																														
116																														
117																														
118																														
119																														
120																														

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
61												
62	Stack Gas Flowrate											
63	Oxygen											
64												
65	Feedrate MTEC Calculations											
66	Ash											
67	Chlorine											
68	Antimony											
69	Arsenic											
70	Barium											
71	Beryllium											
72	Cadmium											
73	Chromium											
74	Lead											
75	Mercury											
76	Nickel											
77	Selenium											
78	Silver											
79	Thallium											
80	Vanadium											
81	SVM											
82	LVM											
83												
84	603C13											
85												
86	Feedstream Number											
87	Feed Class											
88	Feed Class 2											
89	Feed Description											
90	Ash											
91	Chlorine											
92	Antimony											
93	Arsenic											
94	Barium											
95	Beryllium											
96	Cadmium											
97	Chromium											
98	Lead											
99	Mercury											
100	Nickel											
101	Selenium											
102	Silver											
103	Thallium											
104	Vanadium											
105												
106	Stack Gas Flowrate											
107	Oxygen											
108												
109	Feedrate MTEC Calculations											
110	Ash											
111	Chlorine											
112	Antimony											
113	Arsenic											
114	Barium											
115	Beryllium											
116	Cadmium											
117	Chromium											
118	Lead											
119	Mercury											
120	Nickel											

US EPA ARCHIVE DOCUMENT

	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	Selenium		ug/dscm	y		33680		33487		33664		33610																
122	Silver		ug/dscm	y		10235		10332		10534		10367																
123	Thallium		ug/dscm	y		11396		11504		11491		11464																
124	Vanadium		ug/dscm	y		15171		43599		29318		29362																
125	SVM		ug/dscm	y		126446		129039		157637		137708																
126	LVM		ug/dscm	y		134387		149146		143642		142392																

US EPA ARCHIVE DOCUMENT

	B	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	BF		
121	Selenium																															
122	Silver																															
123	Thallium																															
124	Vanadium																															
125	SVM																															
126	LVM																															

US EPA ARCHIVE DOCUMENT

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
121	Selenium											
122	Silver											
123	Thallium											
124	Vanadium											
125	SVM											
126	LVM											

	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	A
1	Feedstream 2																									
2																										
3	603C1				R1		R2		R3																	
4																										
5	Feedstream Number				F1		F1		F1																	
6	Feed Class				Total		Total		Total																	
7	Feed Class 2				Total		Total		Total																	
8	Feedstream Description				Total		Total		Total																	
9	Chlorine	lb/hr			1802		2004		1965																	
10	Ash	lb/hr			4302		4712		4639																	
11																										
12																										
13																										
14	Stack Gas Flowrate	dscfm			34500		31300		29200																	
15	Oxygen	%			7.8		12.5		7.6																	
16																										
17	Estimated Firing Rate	MMBtu/hr			144.57		84.46		124.22																	
18																										
19	Feedrate MTEC Calculations																									
20	Ash	mg/dscm			35361		66296		44380																	
21	Chlorine	ug/dscm			14811804		28195556		18798410																	
22																										
23	603C2				R1		R2		R3																	
24																										
25	Feedstream Number				F1		F1		F1																	
26	Feed Class				Total		Total		Total																	
27	Feed Class 2				Total		Total		Total																	
28	Feedstream Description				Total		Total		Total																	
29	Chlorine	lb/hr			1535		1602		1681																	
30	Ash	lb/hr			4783		4871		4810																	
31																										
32	Stack Gas Flowrate	dscfm			30300		32100		32300																	
33	Oxygen	%			7.4		7.3		8																	
34																										
35	Estimated Firing Rate	MMBtu/hr			130.82		139.61		133.30																	
36																										
37	Feedrate MTEC Calculations																									
38	Ash	mg/dscm			43448		41461		42879																	
39	Chlorine	ug/dscm			13943540		13635878		14985390																	
40																										
41																										
42	603C3				R1		R2		R3																	
43																										
44	Feedstream Number				F1		F1		F1																	
45	Feed Class				Solid HW		Solid HW		Solid HW																	
46	Feed Class 2																									
47	Feedstream Description				Bulk Solids		Bulk Solids		Bulk Solids																	
48	Feedrate	lb/hr			13174		16095		15620																	
49	Chlorine	wt %			0.1		0.1		0.1																	
50	Chlorine	lb/hr			0.1		0.1		0.1																	
51	Ash	wt %			85.2		83.8		85.2																	
52																										
53	Stack Gas Flowrate	dscfm			39530		41235		43844																	
54	Oxygen	%			8.5		7.8		8.3																	
55																										
56	Estimated Firing Rate	MMBtu/hr																								
57																										
58	Feedrate MTEC Calculations																									
59	Ash	mg/dscm			85029		92756		89465																	
60	Chlorine	ug/dscm			99799		110687		105006																	

US EPA ARCHIVE DOCUMENT

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1	Feedstream 2																							
2																								
3	603C1																							
4																								
5	Feedstream Number																							
6	Feed Class																							
7	Feed Class 2																							
8	Feedstream Description																							
9	Chlorine																							
10	Ash																							
11																								
12																								
13																								
14	Stack Gas Flowrate																							
15	Oxygen																							
16																								
17	Estimated Firing Rate																							
18																								
19	Feedrate MTEC Calculati																							
20	Ash																							
21	Chlorine																							
22																								
23	603C2																							
24																								
25	Feedstream Number																							
26	Feed Class																							
27	Feed Class 2																							
28	Feedstream Description																							
29	Chlorine																							
30	Ash																							
31																								
32	Stack Gas Flowrate																							
33	Oxygen																							
34																								
35	Estimated Firing Rate																							
36																								
37	Feedrate MTEC Calculati																							
38	Ash																							
39	Chlorine																							
40																								
41																								
42	603C3																							
43																								
44	Feedstream Number																							
45	Feed Class																							
46	Feed Class 2																							
47	Feedstream Description																							
48	Feedrate																							
49	Chlorine																							
50	Chlorine																							
51	Ash																							
52																								
53	Stack Gas Flowrate																							
54	Oxygen																							
55																								
56	Estimated Firing Rate																							
57																								
58	Feedrate MTEC Calculati																							
59	Ash																							
60	Chlorine																							

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
61																								
62	603C4			R1		R2		R3	R1	R1		R2		R3	R1	R1	R2		R3		R1		R2	
63	Feedstream Number			F1		F1		F1	F2	F2		F2		F2	F3	F3	F3		F3		F4		F4	
64	Feed Class			Solid HW		Solid HW		Solid HW	Liq HW	Liq HW		Liq HW		Liq HW	Liq HW	Liq HW	Liq HW		Liq HW		Liq HW		Liq HW	
65	Feed Class 2			Bulk Solids		Bulk Solids		Bulk Solids	Aqueous wastes	Aqueous wastes		Liq HW		Liq HW	Liq HW	Liq HW	Liq HW		Liq HW		Liq HW		Liq HW	
66	Feedstream Description																							
67	Feedrate	lb/hr	nd	12164	12349	12349	17751	17751	8979	8979	8087	8087	8099	8099	1998	1998	1954	1954	754	754	4677	4677	4649	
68	Chlorine	wt %	nd	0.1	0.1	0.1	0.1	0.1	0.07	0.07	0.07	0.07	0.07	0.11	0.11	0.12	0.12	0.11	0.11	0.11	0.01	0.01	0.01	
69	Chlorine	lb/hr		74.1	85.3	85.3	85.1	85.1	1.01	1.01	0.49	0.49	0.01	0.14	0.14	0.29	0.29	0.5	0.5	0.01	0.01	0.01	0.02	
70	Ash	wt %		43694	39636	39636	44874	44874	43694	43694	39636	39636	44874	43694	43694	39636	39636	44874	44874	7.6	7.6	43694	39636	
71	Stack Gas Flowrate	dscfm		6.6	6.8	6.8	7.6	7.6	6.6	6.6	6.8	6.8	7.6	6.6	6.6	6.8	6.8	7.6	7.6	6.6	6.6	6.6	6.8	
72	Oxygen	%																						
73	Estimated Firing Rate	MMBtu/hr																						
74																								
75																								
76																								
77																								
78	Feedrate MTEC Calculations																							
79	Ash	mg/dscm		53623.7	70056.6	70056.6	94037.1	94037.1	539.5	539.5	263.5	263.5	5.0	16.6	16.6	37.7	37.7	23.5	23.5	2.8	2.8	2.8	6.2	
80	Chlorine	ug/dscm	100	72366.6	100.0	100.0	110501.8	110501.8	37392.8	37392.8	37649.0	37649.0	35292.0	13075.3	13075.3	15594.6	15594.6	5163.1	5163.1	2782.5	2782.5	2782.5	3091.9	
81																								
82	603C5			R1		R2		R3	R1	R1		R2		R3	R1	R1	R2		R3		R1		R2	
83	Feedstream Number			F1		F1		F1	F2	F2		F2		F2	F3	F3	F3		F3		F4		F4	
84	Feed Class			Solid HW		Solid HW		Solid HW	Liq HW	Liq HW		Liq HW		Liq HW	Liq HW	Liq HW	Liq HW		Liq HW		Liq HW		Liq HW	
85	Feed Class 2			Bulk Solids		Bulk Solids		Bulk Solids	Aqueous wastes	Aqueous wastes		Liq HW		Liq HW	Liq HW	Liq HW	Liq HW		Liq HW		Liq HW		Liq HW	
86	Feedstream Description																							
87	Feedrate	lb/hr	nd	18597	19909	19909	22110	22110	10884	10884	9312	9312	8284	2150	2150	2560	2560	2451	2451	2146	2146	1829	1829	
88	Chlorine	wt %	nd	0.1	0.1	0.1	0.1	0.1	0.74	0.74	0.12	0.12	0.11	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	
89	Chlorine	lb/hr		85.3	84	84	84.3	84.3	2.59	2.59	0.29	0.29	0.34	0.05	0.05	0.07	0.07	0.09	0.09	0.09	0.09	0.09	0.08	
90	Ash	wt %		33708	32836	32836	33667	33667	33708	33708	32836	32836	33667	33708	33708	32836	32836	33667	33667	33708	33708	32836	32836	
91	Stack Gas Flowrate	dscfm		8.8	10.1	10.1	8.3	8.3	8.8	8.8	10.1	10.1	8.3	8.8	8.8	10.1	10.1	8.3	8.3	8.8	8.8	8.8	10.1	
92	Oxygen	%																						
93	Estimated Firing Rate	MMBtu/hr																						
94																								
95																								
96																								
97	Feedrate MTEC Calculations																							
98	Ash	mg/dscm		144392.7	174903.4	174903.4	163175.3	163175.3	2565.9	2565.9	282.4	282.4	246.6	9.8	9.8	18.7	18.7	19.3	19.3	17.6	17.6	15.3	15.3	
99	Chlorine	ug/dscm	100	169276.3	100.0	100.0	193565.0	193565.0	733117.6	733117.6	116867.5	116867.5	79775.7	7828.0	7828.0	8032.1	8032.1	6437.3	6437.3	3906.7	3906.7	3825.7	3825.7	
100																								
101																								
102	603C6			R1		R2		R3																
103	Feedstream Number			F1		F1		F1	F1	F1		F1		F1	F1	F1	F1		F1		F1		F1	
104	Feed Class			Solid HW		Solid HW		Solid HW	Total	Total		Total		Total	Total	Total	Total		Total		Total		Total	
105	Feed Class 2			Bulk Solids		Bulk Solids		Bulk Solids	Aqueous wastes	Aqueous wastes		Liq HW		Liq HW	Liq HW	Liq HW	Liq HW		Liq HW		Liq HW		Liq HW	
106	Feedstream Description																							
107	Feedrate	lb/hr		697	750	750	910	910																
108	Ash	lb/hr		1560	1602	1602	1664	1664																
109	Chlorine	dscfm		33800	33800	33800	33500	33500	33700	33700	33700	33500	33700	33700	33700	33700	33700	33700	33700	33700	33700	33700	33700	
110	Stack Gas Flowrate	%		7.2	7.4	7.4	7.2	7.2	7.3	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	
111	Oxygen	MMBtu/hr		148.08	145.93	145.93	146.76	146.76	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	146.92	
112	Estimated Firing Rate																							
113																								
114																								
115	Feedrate MTEC Calculations																							
116	Ash	mg/dscm		5593.5	6107.3	6107.3	7368.2	7368.2	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	6356.4	
117	Chlorine	ug/dscm	12519154.9	13045271	13045271	13473351	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	13012592.4	
118																								
119																								
120	603C7			R1		R2		R3	R4	R4		R4		R4	R4	R4	R4		R4		R4		R4	

B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
61																							
62	603C4	R3	R1	R2	R2	R3	R3	R1	R1	R2	R2	R3	R3	Cond Avg	R1	R2	R3						
63	Feedstream Number	F4	F5	F5	F5	F5	F5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6						
64	Feed Class	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total						
65	Feed Class 2		Chlorinated POHC																				
66	Feedstream Description																						
67	Feedrate	4650																					
68	Chlorine	0.01																					
69	Chlorine		619	619	619	619	619																
70	Ash																						
71	Stack Gas Flowrate	44874	43694	39636	44874	44874	44874	43694	43694	39636	39636	44874	44874	42734.6667	44874	44874	44874						
72	Oxygen	7.6	6.6	6.8	7.6	7.6	7.6	6.6	6.6	6.8	6.8	7.6	7.6	7	7.6	7.6	7.6						
73	Estimated Firing Rate							199.74	199.74	178.68	178.68	190.89	190.89	189.93	189.93	189.93	189.93						
74	Feedrate MTEC Calculati																						
75	Ash	5.8						54182.6	54182.6	70364.0	70364.0	94071.4	94071.4	72872.7	70364	70364	70364						
76	Chlorine	2894.7	4689214	4256934	4161242	4161242	4161242	4814830.8	4814830.8	4395399.2	4395399.2	4315093.5	4315093.5	4508441.2	4814831	4395399	4315093						
77	Estimated Firing Rate																						
78	Feedrate MTEC Calculati																						
79	Ash																						
80	Chlorine																						
81	Estimated Firing Rate																						
82	603C5	R3	R1	R2	R2	R3	R3	R1	R1	R2	R2	R3	R3	Cond Avg	R1	R2	R3						
83	Feedstream Number	F4	F5	F5	F5	F5	F5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6						
84	Feed Class	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total						
85	Feed Class 2		Chlorinated POHC																				
86	Feedstream Description																						
87	Feedrate	2295																					
88	Chlorine	0.02																					
89	Chlorine		619	619	619	619	619																
90	Ash																						
91	Stack Gas Flowrate	33667	33708	32836	33667	33667	33667	33708	33708	32836	32836	33667	33667	33403.6667	33667	33667	33667						
92	Oxygen	8.3	8.8	10.1	8.3	8.3	8.3	8.8	8.8	10.1	10.1	8.3	8.3	9.06666667	8.3	8.3	8.3						
93	Estimated Firing Rate							130.55	130.55	113.62	113.62	135.74	135.74	126.55	126.55	126.55							
94	Feedrate MTEC Calculati																						
95	Ash																						
96	Chlorine																						
97	Estimated Firing Rate																						
98	Feedrate MTEC Calculati																						
99	Ash	18.1						146986.0	146986.0	175219.8	175219.8	163459.3	163459.3	161888.4	146986	175220	163459						
100	Chlorine	4018.4	4689214	4256934	4161242	4161242	4161242	5603342.4	5603342.4	4593877.7	4593877.7	4445038.3	4445038.3	4880752.8	5603342	4593878	4445038						
101	Estimated Firing Rate																						
102	603C6																						
103	Feedstream Number																						
104	Feed Class																						
105	Feed Class 2																						
106	Feedstream Description																						
107	Feedrate																						
108	Chlorine																						
109	Chlorine																						
110	Stack Gas Flowrate																						
111	Oxygen																						
112	Estimated Firing Rate																						
113	Feedrate MTEC Calculati																						
114	Ash																						
115	Chlorine																						
116	Estimated Firing Rate																						
117	Feedrate MTEC Calculati																						
118	Ash																						
119	Chlorine																						
120	603C7																						

	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	A	
121	Feedstream Number																										
122	Feed Class				F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	
123	Feed Class 2				Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
124	Feed Class 2				Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
125	Feedstream Description																										
126	Ash	lb/hr			2751	2687	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697	
127	Chlorine	lb/hr			1387	1249	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	
128																											
129	Stack Gas Flowrate	dscfm			45000	43000	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	
130	Oxygen	%			7.5	8	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	
131																											
132	Estimated Firing Rate	MMBtu/hr			192.86	177.46	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	165.04	
133																											
134	<i>Feedrate MTEC Calculations</i>																										
135	Ash	mg/dscm			16950.8	17992.9	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	19419.2	
136	Chlorine	ug/dscm			8546265.52	8363668.93	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	12636551	
137																											
138	603C8				R1	R2	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	R3	
139																											
140	Feedstream Number																										
141	Feed Class				F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	
142	Feed Class 2				Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
143	Feedstream Description																										
144	Ash	lb/hr			31193	32047	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	31210	
145	Chlorine	lb/hr			651	644	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	
146	Arsenic	lb/hr			5.40E-01	5.30E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	5.40E-01	
147	Beryllium	lb/hr			1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	1.80E-01	
148	Cadmium	lb/hr			1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	1.90E-03	
149	Chromium	lb/hr			1.20E+00	1.10E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	
150	Mercury	lb/hr		nd	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05	
151	Nickel	lb/hr			3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	
152	Lead	lb/hr			5.10E-01	5.00E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	
153	Vanadium	lb/hr			6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	6.90E-02	
154																											
155																											
156	Stack Gas Flowrate	dscfm			39600	36500	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	40300	
157	Oxygen	%			6.7	7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	
158																											
159	Estimated Firing Rate	MMBtu/hr			179.77	162.22	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	180.39	
160																											
161	<i>Feedrate MTEC Calculations</i>																										
162	Ash	mg/dscm			206192.149	234753.828	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	205596.55	
163	Chlorine	ug/dscm			4303244.0	4717492.0	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	4288476.5	
164	Arsenic	ug/dscm			3569.5	3882.4	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	3557.3	
165	Beryllium	ug/dscm			1189.8	1318.6	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	
166	Cadmium	ug/dscm			12.6	13.9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
167	Chromium	ug/dscm			7932.2	8057.8	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	7905.0	
168	Mercury	ug/dscm		100	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
169	Nickel	ug/dscm			198.3	219.8	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	
170	Lead	ug/dscm			3371.2	3662.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	3359.6	
171	Vanadium	ug/dscm																									

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	
121																									
122																									
123																									
124																									
125																									
126																									
127																									
128																									
129																									
130																									
131																									
132																									
133																									
134																									
135																									
136																									
137																									
138																									
139																									
140																									
141																									
142																									
143																									
144																									
145																									
146																									
147																									
148																									
149																									
150																									
151																									
152																									
153																									
154																									
155																									
156																									
157																									
158																									
159																									
160																									
161																									
162																									
163																									
164																									
165																									
166																									
167																									
168																									
169																									
170																									
171																									
172																									
173																									
174																									
175																									
176																									
177																									
178																									
179																									
180																									

	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	A
181	Feedstream Description																									
182	Ash	lb/hr			31		34		54																	
183	Chlorine	lb/hr			1258		1227		1226																	
184																										
185	Stack Gas Flowrate	dscfm			24400		24000		25800		24733.3333															
186	Oxygen	%			10		10.6		10.2		10.3															
187																										
188	Estimated Firing Rate	MMBtu/hr			85.21		79.24		88.46		84.28															
189																										
190	Feedrate MTEC Calculations																									
191	Ash	mg/dscm			432.3		509.9		725.4		555.9															
192	Chlorine	ug/dscm			17544634.8		18401201.6		16469985		17471940.6															
193																										
194	603B1				R1		R2		R3		Cond Avg															
195																										
196	Feedstream Number				F1		F1		F1		F1															
197	Feed Class				Total		Total		Total		Total															
198	Feed Class 2				Total		Total		Total		Total															
199	Feedstream Description				Total		Total		Total		Total															
200	Ash	lb/hr			7762		9715		5394		5394															
201	Chlorine	lb/hr			1424		1361		1401		1401															
202																										
203	Stack Gas Flowrate	dscfm			32800		30000		29300		30700															
204	Oxygen	%			9		7.8		7.2		8															
205																										
206	Estimated Firing Rate	MMBtu/hr			124.95		125.71		128.36		126.70															
207																										
208	Feedrate MTEC Calculations																									
209	Ash	mg/dscm			73818.4		91832.0		49935.6		71862.0															
210	Chlorine	ug/dscm			13542570.4		12864980.8		12969930		13125827.1															
211																										
212	603B2				R1		R2		R3		Cond Avg															
213																										
214	Feedstream Number				F1		F1		F1		F1															
215	Feed Class				Total		Total		Total		Total															
216	Feed Class 2				Total		Total		Total		Total															
217	Feedstream Description				Total		Total		Total		Total															
218	Ash	lb/hr			6196		5683		5851		5851															
219	Chlorine	lb/hr			2108		2217		2248		2248															
220																										
221	Stack Gas Flowrate	dscfm			43600		40400		41200		41733.3333															
222	Oxygen	%			7.5		6.9		6.3		6.9															
223																										
224	Estimated Firing Rate	MMBtu/hr			186.86		180.84		192.27		186.81															
225																										
226	Feedrate MTEC Calculations																									
227	Ash	mg/dscm			39403.7		37344.2		36162.8		37636.9															
228	Chlorine	ug/dscm			13405917.8		14568385.3		13894021		13956108.1															
229																										
230	603B3				R1		R2		R3		R1															
231																										
232	Feedstream Number				F1		F1		F1		F2															
233	Feed Class				Solid HW		Solid HW		Solid HW		Liq HW															
234	Feed Class 2				Solid HW		Solid HW		Solid HW		Liq HW															
235	Feedstream Description				Bulk Solids		Bulk Solids		Bulk Solids		Aqueous wastes															
236	Feedrate	lb/hr			10716		10676		8997		5967															
237	Chlorine	lb/hr			37.5		72.6		73.4		15.5															
238	Ash	wt %			71.8		72.6		73.4		0.71															
239																										
240	Stack Gas Flowrate	dscfm			35482		35782		36046		35482															

	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	A
241	Oxygen		%			8.8	8.6			8.7		8.8	8.6		8.7		8.8		8.6		8.7		8.8		8.6	
242	Estimated Firing Rate		MMBtu/hr																							
243																										
244	Feedrate MTEC Calculations		mg/dscm		66533		65389		55754		366		111		125		82		127		134		137		18	
246	Ash		ug/dscm		324272						134032		57368		134240		695239		555962		548779		84743		132452	
247	Chlorine																									

US EPA ARCHIVE DOCUMENT

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
241	Oxygen	8.7								8.8			8.6		8.7		8.7							
242																								
243	Estimated Firing Rate									137.42		140.86		140.75		139.67								
244																								
245	Feedrate MTEC Calculati																							
246	Ash	109								67118	65645	65645	65645	56123	56123	62962	67118	67118	65645	65645		56123		
247	Chlorine	135928								10644771	12317222	12317222	12317222	12115349	12115349	11692447	1238287	1238287	745782	745782		818947		

	B	C	D	E
1	Process Information			
2				
3	603C10	RCRA / TSCA		Cond Avg
4				
5	Primary Comb Chamb Temp	°F		1295
6	Sec Comb Chamb Temp	°F		1680
7	Comb Cham Pressure	in H2O		2
8	VS Pressure Drop	in H2O		40
9	VS Brine Flow	gpm		66
10	Clean Liquor Flow	gpm		285
11	Demistor pressure drop	in H2O		8
12	Scrubber liquid	pH		9.7
13				
14				
15	603C11	Nickel SRE		Cond Avg
16				
17	Kiln exit Temp	°F		1373
18	Sec Comb Chamb Temp	°F		1955
19	Kiln Pressure	in H2O		-0.55
20	Absorber Flow (avg of 2)	gpm		2130
21	Absorber pH (avg of 2)			5.4
22	IWS recycle flow (avg of 4)	gpm		745
23	IWS secondary voltage (avg of 4)	KV		21.7
24	Scrubber liquid	pH		

	C	D	E	F	G	H
1	Process Information 2					
2						
3	603C1		R1	R2	R3	
4						
5	Kiln Temperature	F	1846	1750	1730	
6	Afterburner Temperature	F	2268	2277	2324	
7	WS Temperature	F	187	188	187	
8	WS pH		7.1	7.4	8.1	
9	WS pH		7.2	7.8	8.4	
10						
11	603C2		R1	R2	R3	
12						
13	Kiln Temperature	F	1699	1687	1649	
14	Afterburner Temperature	F	2359	2341	2308	
15	WS Temperature	F	188	188	185	
16	WS pH		8.4	8.5	8.3	
17	WS pH		9.4	9.5	9.5	
18						
19	603C3		R1	R2	R3	
20						
21	Kiln Temperature	F	1476	1468	1438	
22	Afterburner Temperature	F	2281	2280	2238	
23	WS Temperature	F	186	186	186	
24	WS pH		7.1	7.3	7.3	
25	WS pH		7	7.5	7.8	
26						
27	603C4		R1	R2	R3	
28						
29	Kiln Temperature	F	1571	1519	1465	
30	Afterburner Temperature	F	2341	2352	2319	
31	WS Temperature	F	188	189	191	
32	WS pH		7.2	7.2	7.5	
33	WS pH		7.3	7.3	7.3	
34						
35	603C5		R1	R2	R3	
36						
37	Kiln Temperature	F	1449	1638	1556	
38	Afterburner Temperature	F	1862	1872	1858	
39	WS Temperature	F	184	182	182	
40	WS pH		7.2	6.8	6.8	
41	WS pH		7	6.9	6.9	
42						
43	603C6		R1	R2	R3	
44						
45	Kiln Temperature	F	1816	1853	1809	
46	Afterburner Temperature	F	2204	2209	2205	
47	WS Temperature	F	189	199	191	
48	WS pH		8.1	9.4	8.9	
49	WS pH		8.1	9.4	8.9	
50						
51	603C7		R1	R2	R3	
52						
53	Kiln Temperature	F	1804	1846	1820	1821
54	Afterburner Temperature	F	2223	2205	2239	2232
55	WS Temperature	F	191	192	190	190
56	WS pH		6.6	7.6	6.8	7.3
57	WS pH		6.6	7.6	6.8	7.3
58						
59	603C8		R1	R2	R3	
60						
61	Kiln Temperature	F	1766	1739	1751	
62	Afterburner Temperature	F	2396	2382	2359	
63	WS Temperature	F	185	184	184	
64	WS pH		7.2	7.3	7.7	
65	WS pH		7.2	7.3	7.7	
66						
67	603C9		R1	R2	R3	
68						
69	Afterburner Temperature	F	2265	2252	2267	
70	WS Temperature	F	183	183	183	
71	WS pH		6.8	8	8.5	

	C	D	E	F	G	H
72	WS pH		6.8	8	8.5	
73						
74	603B1		R2	R3	R4	
75						
76	Kiln Temperature	F	1643	1677	1748	
77	Afterburner Temperature	F	2194	2227	2279	
78	WS Temperature	F	187	189	188	
79	WS pH		7.1	7.5	6.8	
80	WS pH		7.1	7.5	6.8	
81						
82	603B2		R1	R2	R3	
83						
84	Kiln Temperature	F	1992	1991	2001	
85	Afterburner Temperature	F	2317	2318	2275	
86	WS Temperature	F	188	188	189	
87	WS pH		7.5	7.3	7.5	
88	WS pH		7.5	7.3	7.5	
89						
90	603B3		R1	R2	R3	
91						
92	Kiln Temperature	F	1704	1725	1772	
93	Afterburner Temperature	F	2058	2056	2069	
94	WS Temperature	F	186	186	172	
95	WS pH		8	8.5	8.5	
96	WS pH		8.2	8.6	8.6	
97						
98	603B4		R1	R2	R3	
99						
100	Kiln Temperature	F	1181	1186	1203	
101	Afterburner Temperature	F	2235	2233	2243	
102	WS Temperature	F	181	181	182	
103	WS pH		7.3	7.3	7.3	
104	WS pH		7.9	8	7.8	
105						
106	603B5		R1	R2	R3	
107						
108	Kiln Temperature	F	1310	1298	1307	
109	Afterburner Temperature	F	2243	2246	2262	
110	WS Temperature	F	181	182	182	
111	WS pH		7.3	7.5	7.4	
112	WS pH		7.7	8.2	7.9	

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:	CWM															
4	Condition ID:	603C10															
5	Condition/Test Date:	RCRA / TSCA Biannual Trial	Mar-00				March 21-22, 2000										
6																	
7																	
8		I-TEF															
9		Wght Fact															
10	Detected in sample volume (pg)																
11	2,3,7,8-TCDD	1	nd	6.6	6.60	3.30	3.30	nd	3.7	3.70	1.85	1.85	nd	6.5	7	3	3
12	Total TCDD	0		250	0	250	250	0	290	0.00	290	0.00		350	0	350	0
13	1,2,3,7,8-PCDD	0.5	nd	9.4	4.70	4.70	4.70	nd	9.2	4.60	4.60	2.30	nd	9.4	5	5	2
14	Total PCDD	0		110	0	110	110	0	18000	0.00	18000	0.00		130	0	130	0
15	1,2,3,4,7,8-HxCDD	0.1	nd	7.8	0.78	3.90	3.90	nd	5.1	0.51	2.55	0.26	nd	4.8	0	2	0
16	1,2,3,6,7,8-HxCDD	0.1	nd	6.2	0.62	3.10	3.10	nd	4.1	0.41	2.05	0.21	nd	3.9	0	2	0
17	1,2,3,7,8,9-HxCDD	0.1	nd	5.9	0.59	2.95	2.95	nd	4	0.40	2.00	0.20	nd	3.7	0	2	0
18	Total HxCDD	0		100	0	100	100	0	860	0.00	860	0.00		41	0	41	0
19	1,2,3,4,6,7,8-HpCDD	0.01		14	0.14	14.00	14.00		10	0.10	10.00	0.10	nd	8.4	0	4	0
20	Total HpCDD	0		28	0	28	28	0	120	0.00	120	0.00	nd	8.4	0	4	0
21	OCDD	0.001		22	0.02	22.00	22.00		11	0.01	11	0.01	nd	10.8	0	5	0
22	2,3,7,8-TCDF	0.1		750	75.00	750.00	750.00		900	90.00	900	90.00		920	92	920	92
23	Total TCDF	0		14000	0	14000	14000	0	18000	0.00	18000	0.00		18000	0	18000	0
24	1,2,3,7,8-PCDF	0.05		130	7	130	130	7	170	8.50	170	8.50		150	8	150	8
25	2,3,4,7,8-PCDF	0.5		190	95	190	190	95	240	120.00	240	120.00		220	110	220	110
26	Total PCDF	0		4300	0	4300	4300	0	5400	0.00	5400	0.00		4900	0	4900	0
27	1,2,3,4,7,8-HxCDF	0.1		76	8	76	76	8	104	10.40	104	10.40		84	8	84	8
28	1,2,3,6,7,8-HxCDF	0.1		37	4	37	37	4	53	5.30	53	5.30		45	5	45	5
29	2,3,4,6,7,8-HxCDF	0.1		15	2	15	15	2	26	2.60	26	2.60		18	2	18	2
30	1,2,3,7,8,9-HxCDF	0.1	nd	6.4	1	3	3	0	9.4	0.94	5	0.47	nd	6	1	3	0
31	Total HxCDF	0		630	0	630	630	0	860	0.00	860	0.00		730	0	730	0
32	1,2,3,4,6,7,8-HpCDF	0.01		51	1	51	51	1	73	0.73	73	0.73		44	0	44	0
33	1,2,3,4,7,8,9-HpCDF	0.01	nd	4.6	0	2	2	0	7.5	0.08	8	0.08	nd	3.3	0	2	0
34	Total HpCDF	0		51	0	51	51	0	120	0.00	120	0.00	52	8.6	0	4	0
35	OCDF	0.001	nd	15	0	8	8	0	22	0.02	22	0.02	nd		0	4	0
36																	
37	Gas sample volume (dsct)				120.00	120.00	120.00			120.449	120.449	120.449		121.81	121.81	121.81	121.81
38	O2 (%)				6.70	6.70	6.70			6.9	6.9	6.9		8.1	8.1	8.1	8.1
39																	
40	PCDD/PCDF (ng in sample)				0.204	19.5	19.5			0.248	43.7	0.243		0.24	0.24	24.2	0.23
41	PCDD/PCDF (ng/dscm @ 7% O2)		6.9		0.059	5.621	5.621	4.3		0.07	12.72	0.07	5.5	0.07	0.07	7.61	0.07
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:	CWM															
4	Condition ID:	603C12															
5	Condition/Test Date:	Bi-annual testing trial burn, r	Jul-98														
6																	
7		I-TEF															
8		Wght Fact															
9																	
10	Detected in sample volume (pg)																
11	2,3,7,8-TCDD	1	15	15.00	15.00	15.00	15.00	11	11.00	11.00	11.00	11.00	11	11	11	11	11
12	Total TCDD	0	840	0	840	0	840	630	0.00	630	0.00	630	570	570	0	570	0
13	1,2,3,7,8-PCDD	0.5	21	10.50	21.00	10.50	10.50	11	5.50	11.00	5.50	5.50	8.6	8.6	4	9	4
14	Total PCDD	0	600	0	600	0	600	350	0.00	350	0.00	350	310	310	0	310	0
15	1,2,3,4,7,8-HxCDD	0.1	16	1.60	16.00	1.60	1.60	11	1.10	11.00	1.10	1.10	6.9	6.9	1	7	1
16	1,2,3,6,7,8-HxCDD	0.1	13	1.30	13.00	1.30	1.30	12	1.20	12.00	1.20	1.20	6.3	6.3	1	6	1
17	1,2,3,7,8,9-HxCDD	0.1	8.7	0.87	8.70	0.87	0.87	7.5	0.75	7.50	0.75	0.75	6.6	6.6	1	7	1
18	Total HxCDD	0	360	0	360	0	360	220	0.00	220	0.00	220	120	120	0	120	0
19	1,2,3,4,6,7,8-HpCDD	0.01	16	0.16	16.00	0.16	0.16	20	0.20	20.00	0.20	0.20	6.8	6.8	0	7	0
20	Total HpCDD	0	49	0	49	0	49	44	0.00	44	0.00	44	17	17	0	17	0
21	OCDD	0.001	24	0.02	24.00	0.02	0.02	38	0.04	38	0.04	0.04	17	17	0	17	0
22	2,3,7,8-TCDF	0.1	2300	230.00	2300.00	230.00	230.00	1500	150.00	1500	150.00	150.00	1400	1400	140	1400	140
23	Total TCDF	0	37000	0	37000	0	37000	25000	0.00	25000	0.00	25000	25000	25000	0	25000	0
24	1,2,3,7,8-PCDF	0.05	410	21	410	21	21	250	12.50	250	12.50	12.50	200	200	10	200	10
25	2,3,4,7,8-PCDF	0.5	780	390	780	390	390	450	225.00	450	225.00	225.00	360	360	180	360	180
26	Total PCDF	0	14000	0	14000	0	14000	8200	0.00	8200	0.00	8200	7400	7400	0	7400	0
27	1,2,3,4,7,8-HxCDF	0.1	410	41	410	41	41	210	21.00	210	21.00	21.00	150	150	15	150	15
28	1,2,3,6,7,8-HxCDF	0.1	240	24	240	24	24	120	12.00	120	12.00	12.00	84	84	8	84	8
29	2,3,4,6,7,8-HxCDF	0.1	130	13	130	13	13	80	8.00	80	8.00	8.00	42	42	4	42	4
30	1,2,3,7,8,9-HxCDF	0.1	39	4	39	4	4	26	2.60	26	2.60	2.60	14	14	1	14	1
31	Total HxCDF	0	4300	0	4300	0	4300	2200	0.00	2200	0.00	2200	1600	1600	0	1600	0
32	1,2,3,4,6,7,8-HpCDF	0.01	360	4	360	4	4	200	2.00	200	2.00	2.00	93	93	1	93	1
33	1,2,3,4,7,8,9-HpCDF	0.01	11	0	11	0	0	12	0.12	12	0.12	0.12	3.2	3.2	0	3	0
34	Total HpCDF	0	490	0	490	0	490	290	0.00	290	0.00	290	130	130	0	130	0
35	OCDF	0.001	19	0	19	0	0	26	0.03	26	0.03	0.03	9.8	9.8	0	10	0
36																	
37	Gas sample volume (dscf)		114.175	114.175	114.175	114.175	114.175	116.978	116.978	116.978	116.978	116.978	110.825	110.825	110.825	110.825	110.825
38	O2 (%)		6.7	6.7	6.7	6.7	6.7	6.5	6.5	6.5	6.5	6.5	6.1	6.1	6.1	6.1	6.1
39																	
40	PCDD/PCDF (ng in sample)		0.756	0.756	0.756	0.756	0.756	0.453	0.453	0.453	0.453	0.453	0.38	0.38	0.38	0.38	0.38
41	PCDD/PCDF (ng/dscm @ 7% O2)	0.0	0.229	0.229	0.229	0.229	0.229	0.13	0.13	0.13	0.13	0.13	0.0	0.0	0.0	0.0	0.0
42																	
43	TEQ Cond Avg	0.1580															
44	Total Cond Avg	12.9352															

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:	CWM, Port Arthur, TX															
4	Condition ID:	603C13															
5	Condition/Test Date:	RCRA / TSCA Biannual Trial Jul-98															
6																	
7																	
8																	
9																	
10	Detected in sample volume (pg)																
11	2,3,7,8-TCDD	1	10	10.00	10.00	10.00	10.00	10.00	12	12.00	12.00	12.00	12.00	9.6	10	10	10
12	Total TCDD	0	520	0	520	0	520	0	610	0.00	610	0.00	0.00	470	0	470	0
13	1,2,3,7,8-PCDD	0.5	6.8	3.40	3.40	1.70	nd	1.70	7	3.50	3.50	1.75	nd	7.2	4	4	2
14	Total PCDD	0	180	0	180	0	180	0	290	0.00	290	0.00	0.00	180	0	180	0
15	1,2,3,4,7,8-HxCDD	0.1	5.9	0.59	2.95	0.30	nd	0.30	5.2	0.52	2.60	0.26	nd	4.9	0	2	0
16	1,2,3,6,7,8-HxCDD	0.1	4.3	0.43	2.15	0.22	nd	0.22	6.8	0.68	3.40	0.34	nd	3.5	0	2	0
17	1,2,3,7,8,9-HxCDD	0.1	4.5	0.45	2.25	0.23	nd	0.23	4.9	0.49	2.45	0.25	nd	3.7	0	2	0
18	Total HxCDD	0	69	0	69	0	69	0	130	0.00	130	0.00	0.00	60	0	60	0
19	1,2,3,4,6,7,8-HpCDD	0.01	6.2	0.06	6.20	0.06	0.06	0.06	9.8	0.10	9.80	0.10	0.10	4.7	0	5	0
20	Total HpCDD	0	17	0	17	0	17	0	25	0.00	25	0.00	0.00	11	0	11	0
21	OCDD	0.001	26	0.03	26.00	0.03	0.03	0.03	24	0.02	24	0.02	0.02	29	0	29	0
22	2,3,7,8-TCDF	0.1	1300	130.00	1300.00	130.00	130.00	130.00	2100	210.00	2100	210.00	210.00	1900	190	1900	190
23	Total TCDF	0	26000	0	26000	0	26000	0	33000	0.00	33000	0.00	0.00	27000	0	27000	0
24	1,2,3,7,8-PCDF	0.05	200	10	200	10	200	10	340	17.00	340	17.00	17.00	230	12	230	12
25	2,3,4,7,8-PCDF	0.5	300	150	300	150	300	150	670	335.00	670	335.00	335.00	460	230	460	230
26	Total PCDF	0	7000	0	7000	0	7000	0	10000	0.00	10000	0.00	0.00	7000	0	7000	0
27	1,2,3,4,7,8-HxCDF	0.1	140	14	140	14	140	14	240	24.00	240	24.00	24.00	120	12	120	12
28	1,2,3,6,7,8-HxCDF	0.1	78	8	78	8	78	8	120	12.00	120	12.00	12.00	62	6	62	6
29	2,3,4,6,7,8-HxCDF	0.1	36	4	36	4	36	4	77	7.70	77	7.70	7.70	44	4	44	4
30	1,2,3,7,8,9-HxCDF	0.1	12	1	12	1	12	1	20	2.00	20	2.00	2.00	9.6	1	10	1
31	Total HxCDF	0	1500	0	1500	0	1500	0	2200	0.00	2200	0.00	0.00	1100	0	1100	0
32	1,2,3,4,6,7,8-HpCDF	0.01	110	1	110	1	110	1	180	1.80	180	1.80	1.80	60	1	60	1
33	1,2,3,4,7,8,9-HpCDF	0.01	3.6	0	4	0	4	0	8.3	0.08	8	0.08	0.08	2.5	0	3	0
34	Total HpCDF	0	140	0	140	0	140	0	240	0.00	240	0.00	0.00	80	0	80	0
35	OCDF	0.001	17	0	17	0	17	0	20	0.02	20	0.02	0.02	11	0	11	0
36																	
37	Gas sample volume (dscf)			110.052	110.052	110.052	110.052	110.052	111.599	111.599	111.599	111.599	111.599	111.519	111.519	111.519	111.519
38	O2 (%)			7.1	7.1	7.1	7.1	7.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2
39																	
40	PCDD/PCDF (ng in sample)			0.333	35.5	0.330	0.330	0.330	0.627	46.5	0.624	0.624	0.624	35.9	0.47	35.9	0.47
41	PCDD/PCDF (ng/dscm @ 7% O2)			0.108	11.470	0.107	0.107	0.107	0.22	15.99	0.21	0.21	0.21	12.46	0.16	12.46	0.16
42																	
43	TEQ Cond Avg			0.1612													
44	Total Cond Avg			13.3061													

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	603C1													
2														
3	ng/dscm													
4		I-TEF Wt Fact		Total Full ND	Run 1 Total 1/2 ND	TEQ 1/2 ND		Total Full ND	Run 2 Total 1/2 ND	TEQ 1/2 ND		Total Full ND	Run 3 Total 1/2 ND	TEQ 1/2 ND
5	4D 2378	1	0.007	0.007	0.007	0.007	1	0.010	0.005	0.005		0.007	0.007	0.007
6	4D Other	0	1.441	1.441	0.000	0.000		0.754	0.754	0.000		0.811	0.811	0.000
7	4D Total	0	1.447	1.447	0.000	0.000		0.763	0.763	0.000		0.818	0.818	0.000
8	5D 12378	0.5	0.004	0.004	0.002	0.002		0.035	0.035	0.017	1	0.003	0.001	0.001
9	5D Other	0	0.027	0.027	0.000	0.000		0.000	0.000	0.000		0.038	0.038	0.000
10	5D Total	0	0.030	0.030	0.000	0.000		0.035	0.035	0.000		0.041	0.041	0.000
11	6D 123478	0.1	0.003	0.002	0.000	0.000	1	0.005	0.002	0.000		0.002	0.002	0.000
12	6D 123678	0.1	0.004	0.002	0.000	0.000		0.004	0.004	0.000		0.004	0.004	0.000
13	6D 123789	0.1	0.003	0.002	0.000	0.000		0.006	0.006	0.001		0.006	0.006	0.001
14	6D Other	0	0.001	0.001	0.000	0.000		0.015	0.015	0.000		0.012	0.012	0.000
15	6D Total	0	0.012	0.012	0.000	0.000		0.030	0.030	0.000		0.024	0.024	0.000
16	7D 1234678	0.01	0.015	0.015	0.000	0.000		0.036	0.036	0.000		0.024	0.024	0.000
17	7D Other	0	0.011	0.011	0.000	0.000		0.025	0.025	0.000		-0.002	-0.002	0.000
18	7D Total	0	0.026	0.026	0.000	0.000		0.061	0.061	0.000		0.022	0.022	0.000
19	8D	0.001	0.152	0.152	0.000	0.000		1.628	1.628	0.002		1.153	1.153	0.001
20	4F 2378	0.1	2.388	2.388	0.239	0.239		0.504	0.504	0.050		0.264	0.264	0.026
21	4F Other	0	11.362	11.362	0.000	0.000		2.142	2.142	0.000		1.856	1.856	0.000
22	4F Total	0	13.750	13.750	0.000	0.000		2.646	2.646	0.000		2.120	2.120	0.000
23	5F 12378	0.05	0.221	0.221	0.011	0.011		0.036	0.036	0.002		0.017	0.017	0.001
24	5F 23478	0.5	0.351	0.351	0.175	0.175		0.061	0.061	0.031		0.036	0.036	0.018
25	5F Other	0	2.649	2.649	0.000	0.000		0.336	0.336	0.000		0.308	0.308	0.000
26	5F Total	0	3.220	3.220	0.000	0.000		0.432	0.432	0.000		0.361	0.361	0.000
27	6F 123478	0.1	0.166	0.166	0.017	0.017		0.030	0.030	0.003		0.015	0.015	0.002
28	6F 123678	0.1	0.036	0.036	0.004	0.004		0.009	0.009	0.001		0.006	0.006	0.001
29	6F 123789	0.1	0.030	0.030	0.003	0.003		0.008	0.008	0.001		0.006	0.006	0.001
30	6F 234678	0.1	0.001	0.001	0.000	0.000		0.002	0.002	0.000		0.002	0.002	0.000
31	6F Other	0	0.237	0.237	0.000	0.000		0.022	0.022	0.000		0.023	0.023	0.000
32	6F Total	0	0.470	0.470	0.000	0.000		0.071	0.071	0.000		0.052	0.052	0.000
33	7F 1234678	0.01	0.033	0.033	0.000	0.000		0.014	0.014	0.000		0.013	0.013	0.000
34	7F 1234789	0.01	0.004	0.004	0.000	0.000		0.004	0.004	0.000		0.003	0.003	0.000
35	7F Other	0	0.014	0.014	0.000	0.000		0.000	0.000	0.000		0.006	0.006	0.000
36	7F Total	0	0.051	0.051	0.000	0.000		0.018	0.018	0.000		0.022	0.022	0.000
37	8F	0.001	0.007	0.007	0.000	0.000		0.010	0.010	0.000		0.011	0.011	0.000
38	Total PCDD/PCDF		19.166	19.166	0.458	0.458	8.6	5.695	5.695	0.113	2.2	4.625	4.625	0.058
39	TEQ		0.2	0.459	0.2	0.458	8.6	0.118	0.118	0.113	2.2	0.059	0.059	0.058

	C	D	E	F	G	H	I	J	K	L
1	603C2									
2	ng/dscm									
3										
4										
5	4D 2378	1		0.006	0.006	0.006		0.016	0.016	0.016
6	4D Other	0		1.855	1.855	0.000		1.580	1.580	0.000
7	4D Total	0		1.860	1.860	0.000		1.596	1.596	0.000
8	5D 12378	0.5		0.005	0.005	0.003		0.004	0.004	0.002
9	5D Other	0		0.090	0.090	0.000		0.088	0.088	0.000
10	5D Total	0		0.095	0.095	0.000		0.093	0.093	0.000
11	6D 123478	0.1		0.002	0.002	0.000	1	0.003	0.002	0.000
12	6D 123678	0.1		0.003	0.003	0.000	1	0.004	0.002	0.000
13	6D 123789	0.1		0.003	0.003	0.000		0.003	0.003	0.000
14	6D Other	0		0.022	0.022	0.000		0.009	0.009	0.000
15	6D Total	0		0.030	0.030	0.000		0.019	0.019	0.000
16	7D 1234678	0.01		0.013	0.013	0.000		0.017	0.017	0.000
17	7D Other	0		0.012	0.012	0.000		0.013	0.013	0.000
18	7D Total	0		0.024	0.024	0.000		0.030	0.030	0.000
19	8D	0.001		0.171	0.171	0.000		1.188	1.188	0.001
20	4F 2378	0.1		2.955	2.955	0.295		2.190	2.190	0.219
21	4F Other	0		20.026	20.026	0.000		10.429	10.429	0.000
22	4F Total	0		22.981	22.981	0.000		12.619	12.619	0.000
23	5F 12378	0.05		0.230	0.230	0.011		0.163	0.163	0.008
24	5F 23478	0.5		0.511	0.511	0.255		0.364	0.364	0.182
25	5F Other	0		5.461	5.461	0.000		3.184	3.184	0.000
26	5F Total	0		6.201	6.201	0.000		3.711	3.711	0.000
27	6F 123478	0.1		0.171	0.171	0.017		0.122	0.122	0.012
28	6F 123678	0.1		0.044	0.044	0.004		0.035	0.035	0.003
29	6F 123789	0.1		0.044	0.044	0.004		0.031	0.031	0.003
30	6F 234678	0.1		0.002	0.002	0.000		0.002	0.002	0.000
31	6F Other	0		0.432	0.432	0.000		0.255	0.255	0.000
32	6F Total	0		0.693	0.693	0.000		0.445	0.445	0.000
33	7F 1234678	0.01		0.031	0.031	0.000		0.027	0.027	0.000
34	7F 1234789	0.01		0.005	0.005	0.000		0.003	0.003	0.000
35	7F Other	0		0.012	0.012	0.000		0.011	0.011	0.000
36	7F Total	0		0.047	0.047	0.000		0.041	0.041	0.000
37	8F	0.001		0.007	0.007	0.000		0.007	0.007	0.000
38	Total PCDD/PCDF			32.110	32.110			19.748	19.748	
39	TEQ			0.0	0.598	0.598	0.2	0.449	0.448	0.448

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	603C3													
2	ng/dscm													
3		I-TEF		Total	Run 1	TEQ		Total	Run 2	TEQ		Total	Run 3	TEQ
4		Wt Fact		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
5	4D 2378	1	1	0.005	0.003	0.003	1	0.006	0.003	0.003	1	0.014	0.007	0.007
6	4D Other	0		-0.003	-0.003	0.000		0.003	0.003	0.000		0.017	0.017	0.000
7	4D Total	0		0.003	0.003	0.000		0.009	0.009	0.000		0.031	0.031	0.000
8	5D 12378	0.5	1	0.002	0.001	0.000	1	0.001	0.001	0.000	1	0.002	0.001	0.000
9														
10														
11	6D 123478	0.1	1	0.001	0.001	0.000	1	0.001	0.000	0.000	1	0.002	0.001	0.000
12	6D 123678	0.1	1	0.003	0.001	0.000		0.001	0.001	0.000	1	0.001	0.001	0.000
13	6D 123789	0.1	1	0.001	0.001	0.000	1	0.001	0.001	0.000	1	0.001	0.001	0.000
14	6D Other	0		-0.002	-0.002	0.000		-0.002	-0.002	0.000			0.000	0.000
15	6D Total	0		0.003	0.003	0.000		0.001	0.001	0.000			0.000	0.000
16	7D 1234678	0.01	1	0.005	0.003	0.000		0.005	0.005	0.000	1	0.005	0.003	0.000
17	7D Other	0	1	-0.002	-0.001	0.000		0.000	0.000	0.000			0.000	0.000
18	7D Total	0		0.003	0.003	0.000		0.005	0.005	0.000			0.000	0.000
19	8D	0.001		0.048	0.048	0.000		0.066	0.066	0.000		0.043	0.043	0.000
20	4F 2378	0.1	1	0.003	0.002	0.000		0.003	0.003	0.000		0.008	0.008	0.001
21	4F Other	0		0.006	0.006	0.000		0.048	0.048	0.000		0.276	0.276	0.000
22	4F Total	0		0.009	0.009	0.000		0.051	0.051	0.000		0.283	0.283	0.000
23	5F 12378	0.05	1	0.004	0.002	0.000	1	0.004	0.002	0.000	1	0.009	0.004	0.000
24	5F 23478	0.5	1	0.003	0.001	0.001	1	0.005	0.003	0.001		0.004	0.004	0.002
25	5F Other	0		0.000	0.000	0.000		-0.004	-0.004	0.000		0.034	0.034	0.000
26	5F Total	0		0.001	0.001	0.000		0.005	0.005	0.000		0.046	0.046	0.000
27	6F 123478	0.1	1	0.001	0.001	0.000	1	0.001	0.001	0.000		0.002	0.002	0.000
28	6F 123678	0.1	1	0.001	0.000	0.000	1	0.001	0.000	0.000	1	0.004	0.002	0.000
29	6F 123789	0.1	1	0.001	0.001	0.000	1	0.001	0.001	0.000	1	0.002	0.001	0.000
30	6F 234678	0.1	1	0.000	0.000	0.000	1	0.001	0.000	0.000	1	0.001	0.001	0.000
31	6F Other	0		-0.002	-0.002	0.000		0.000	0.000	0.000	1	0.001	0.000	0.000
32	6F Total	0		0.001	0.001	0.000		0.000	0.000	0.000		0.010	0.010	0.000
33	7F 1234678	0.01	1	0.003	0.001	0.000	1	0.003	0.002	0.000	1	0.009	0.004	0.000
34	7F 1234789	0.01	1	0.003	0.002	0.000	1	0.003	0.001	0.000	1	0.003	0.001	0.000
35														
36														
37	8F	0.001	1	0.005	0.003	0.000	1	0.002	0.001	0.000	1	0.005	0.003	0.000
38	Total PCDD/PCDF			0.073	0.070	0.005	94.4	0.139	0.138	0.006	85.2	0.418	0.416	0.011
39	TEQ		99.5	0.009				0.011						

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	603C4													
2	ng/dscm													
3														
4		1	1	0.012	0.006	0.006	1	0.003	0.002	0.002	1	0.007	0.004	0.004
5	4D 2378				0.000	0.000		0.074	0.074	0.000		0.082	0.082	0.000
6	4D Other	0			0.000	0.000		0.077	0.077	0.000		0.089	0.089	0.000
7	4D Total	0			0.000	0.000		0.001	0.001	0.000		0.003	0.001	0.001
8	5D 12378	0.5	1	0.004	0.002	0.001	1	0.006	0.006	0.000	1	0.000	0.000	0.000
9	5D Other	0			0.000	0.000		0.007	0.007	0.000		0.000	0.000	0.000
10	5D Total	0			0.000	0.000		0.000	0.000	0.000		0.002	0.001	0.000
11	6D 123478	0.1	1	0.001	0.000	0.000	1	0.000	0.000	0.000	1	0.000	0.001	0.000
12	6D 123678	0.1	1	0.007	0.004	0.000		0.001	0.001	0.000	1	0.002	0.001	0.000
13	6D 123789	0.1	1	0.002	0.001	0.000	1	0.001	0.000	0.000	1	0.001	0.001	0.000
14	6D Other	0			0.000	0.000		0.002	0.002	0.000		-0.001	-0.001	0.000
15	6D Total	0			0.000	0.000		0.004	0.004	0.000		0.004	0.004	0.000
16	7D 1234678	0.01	1	0.007	0.003	0.000	1	0.003	0.002	0.000	1	0.008	0.004	0.000
17	7D Other	0			0.000	0.000		-0.001	-0.001	0.000		-0.001	-0.001	0.000
18	7D Total	0			0.000	0.000		0.002	0.002	0.000		0.007	0.007	0.000
19	8D	0.001			0.108	0.108		0.047	0.047	0.000		0.063	0.063	0.000
20	4F 2378	0.1	1	0.025	0.013	0.001		0.019	0.019	0.002		0.022	0.022	0.000
21	4F Other	0			0.199	0.199		0.505	0.505	0.000		0.581	0.581	0.000
22	4F Total	0			0.224	0.224		0.525	0.525	0.000		0.603	0.603	0.000
23	5F 12378	0.05	1	0.007	0.004	0.000		0.003	0.003	0.000		0.003	0.003	0.000
24	5F 23478	0.5	1	0.015	0.007	0.004		0.005	0.005	0.002	1	0.006	0.003	0.002
25	5F Other	0			0.000	0.000		0.081	0.081	0.000		0.040	0.040	0.000
26	5F Total	0			0.000	0.000		0.088	0.088	0.000		0.049	0.049	0.000
27	6F 123478	0.1			0.003	0.000		0.001	0.001	0.000		0.002	0.002	0.000
28	6F 123678	0.1			0.002	0.002		0.001	0.001	0.000	1	0.001	0.001	0.000
29	6F 123789	0.1	1	0.002	0.001	0.000		0.001	0.001	0.000	1	0.002	0.001	0.000
30	6F 234678	0.1	1	0.002	0.001	0.000	1	0.000	0.000	0.000	1	0.000	0.000	0.000
31	6F Other	0			-0.002	-0.002		0.008	0.008	0.000		0.001	0.001	0.000
32	6F Total	0			0.007	0.007		0.012	0.012	0.000		0.007	0.007	0.000
33	7F 1234678	0.01	1	0.007	0.003	0.000		0.003	0.003	0.000	1	0.005	0.003	0.000
34	7F 1234789	0.01	1	0.003	0.001	0.000	1	0.000	0.000	0.000	1	0.004	0.002	0.000
35	7F Other	0			0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000
36	7F Total	0			0.000	0.000		0.003	0.003	0.000		0.000	0.000	0.000
37	8F	0.001	1	0.014	0.007	0.000		0.002	0.002	0.000		0.003	0.003	0.000
38	Total PCDD/PCDF			0.354	0.346	0.014	42.8	0.769	0.769	0.007	83.3	0.825	0.825	0.009
39	TEQ			0.027	0.027	0.014	42.8	0.009	0.009	0.007	83.3	0.015	0.015	0.009

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	603C5													
2	ng/dscm													
3		I-TEF		Total	Run 1	TEQ	Total	Run 2	Total	TEQ	Total	Run 3	Total	TEQ
4		Wt Fact		Full ND	1/2 ND	1/2 ND	Full ND	1/2 ND	1/2 ND	1/2 ND	Full ND	1/2 ND	1/2 ND	1/2 ND
5	4D 2378	1	1	0.005	0.003	0.003	0.007	0.004	0.004	0.004	1	0.006	0.003	0.003
6	4D Other	0		0.000	0.000	0.000	-0.002	-0.002	0.000	0.000		0.008	0.008	0.000
7	4D Total	0		0.000	0.000	0.000	0.005	0.005	0.000	0.000		0.013	0.013	0.000
8	5D 12378	0.5	1	0.002	0.001	0.001	0.002	0.001	0.001	0.001	1	0.001	0.001	0.000
9	6D 123478	0.1	1	0.001	0.001	0.000	0.001	0.001	0.001	0.000	1	0.001	0.000	0.000
10	6D 123678	0.1		0.002	0.002	0.000	0.002	0.002	0.002	0.000		0.002	0.002	0.000
11	6D 123789	0.1	1	0.001	0.001	0.000	0.001	0.000	0.000	0.000	1	0.001	0.000	0.000
12	6D Other	0		-0.002	-0.002	0.000	-0.001	-0.001	0.000	0.000		0.005	0.005	0.000
13	6D Total	0		0.002	0.002	0.000	0.003	0.003	0.000	0.000		0.009	0.009	0.000
14	7D 1234678	0.01		0.001	0.001	0.000	0.006	0.006	0.000	0.000		0.004	0.004	0.000
15	7D Other	0		0.014	0.014	0.000	0.006	0.006	0.000	0.000		0.006	0.006	0.000
16	7D Total	0		0.015	0.015	0.000	0.013	0.013	0.000	0.000		0.010	0.010	0.000
17	8D	0.001		0.066	0.066	0.000	0.058	0.058	0.000	0.000		0.041	0.041	0.000
18	4F 2378	0.1	1	0.008	0.004	0.000	0.004	0.004	0.000	0.000	1	0.006	0.003	0.000
19	4F Other	0		0.019	0.019	0.000	0.144	0.144	0.000	0.000		0.077	0.077	0.000
20	4F Total	0		0.027	0.027	0.000	0.148	0.148	0.000	0.000		0.083	0.083	0.000
21	5F 12378	0.05	1	0.005	0.003	0.000	0.003	0.001	0.000	0.000	1	0.003	0.001	0.000
22	5F 23478	0.5	1	0.007	0.003	0.002	0.005	0.003	0.001	0.001	1	0.004	0.002	0.001
23	5F Other	0		0.000	0.000	0.000	0.011	0.011	0.000	0.000		0.000	0.000	0.000
24	5F Total	0		0.000	0.000	0.000	0.020	0.020	0.000	0.000		0.000	0.000	0.000
25	6F 123478	0.1	1	0.002	0.001	0.000	0.002	0.002	0.002	0.000	1	0.002	0.001	0.000
26	6F 123678	0.1	1	0.002	0.001	0.000	0.002	0.002	0.002	0.000		0.001	0.001	0.000
27	6F 123789	0.1	1	0.002	0.001	0.000	0.001	0.000	0.000	0.000		0.001	0.001	0.000
28	6F 234678	0.1	1	0.001	0.001	0.000	0.001	0.000	0.000	0.000	1	0.000	0.000	0.000
29	6F Other	0		-0.003	-0.003	0.000	0.003	0.003	0.000	0.000		0.002	0.002	0.000
30	6F Total	0		0.004	0.004	0.000	0.008	0.008	0.000	0.000		0.006	0.006	0.000
31	7F 1234678	0.01	1	0.004	0.002	0.000	0.003	0.003	0.003	0.000		0.003	0.003	0.000
32	7F 1234789	0.01	1	0.003	0.002	0.000	0.002	0.001	0.001	0.000	1	0.001	0.001	0.000
33	7F Other	0		0.000	0.000	0.000	-0.002	-0.002	0.000	0.000		-0.001	-0.001	0.000
34	7F Total	0		0.000	0.000	0.000	0.003	0.003	0.003	0.000		0.003	0.003	0.000
35	8F	0.001		0.004	0.004	0.000	0.003	0.003	0.003	0.000		0.002	0.002	0.000
36	Total PCDD/PCDF			0.118	0.118	0.118	0.261	0.261	0.261	0.261		0.168	0.168	0.005
37	TEQ			0.012	0.012	0.006	0.013	0.013	0.007	0.007	94.5	0.010	0.010	0.005

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	603C6													
2														
3	ng/dscm													
4														
5	4D 2378	1		0.000	0.000	0.000		0.020	0.020	0.020		0.018	0.018	0.018
6	4D Other	0		2.317	2.317	0.000		6.689	6.689	0.000	1	2.942	1.471	0.000
7	4D Total	0		2.317	2.317	0.000		6.709	6.709	0.000		2.960	2.960	0.000
8	5D 12378	0.5	1	0.005	0.003	0.001		0.009	0.009	0.004	1	0.088	0.004	0.002
9	5D Other	0		0.053	0.053	0.000		0.363	0.363	0.000		0.086	0.086	0.000
10	5D Total	0		0.058	0.058	0.000		0.372	0.372	0.000		0.094	0.094	0.000
11	6D 123478	0.1	1	0.006	0.003	0.000	1	0.006	0.003	0.000	1	0.006	0.003	0.000
12	6D 123678	0.1	1	0.005	0.003	0.000	1	0.007	0.003	0.000	1	0.006	0.003	0.000
13	6D 123789	0.1	1	0.004	0.002	0.000	1	0.006	0.003	0.000	1	0.007	0.003	0.000
14	7D 1234678	0.01		0.011	0.011	0.000		0.071	0.071	0.001	1	0.009	0.004	0.000
15	7D Other	0			0.000	0.000		0.048	0.048	0.000			0.000	0.000
16	7D Total	0			0.000	0.000		0.118	0.118	0.000			0.000	0.000
17	8D	0.001		0.052	0.052	0.000		0.561	0.561	0.001		0.077	0.077	0.000
18	4F 2378	0.1		0.021	0.021	0.002		0.062	0.062	0.006		0.071	0.071	0.007
19	4F Other	0		0.720	0.720	0.000		1.856	1.856	0.000		1.072	1.072	0.000
20	4F Total	0		0.740	0.740	0.000		1.918	1.918	0.000		1.143	1.143	0.000
21	5F 12378	0.05	1	0.003	0.001	0.000	1	0.005	0.002	0.000	1	0.004	0.002	0.000
22	5F 23478	0.5	1	0.003	0.001	0.001	1	0.005	0.002	0.001	1	0.004	0.002	0.001
23	5F Other	0		0.049	0.049	0.000		0.179	0.179	0.000		0.062	0.062	0.000
24	5F Total	0		0.055	0.055	0.000		0.189	0.189	0.000		0.070	0.070	0.000
25	6F 123478	0.1	1	0.004	0.002	0.000	1	0.008	0.004	0.000	1	0.006	0.003	0.000
26	6F 123678	0.1	1	0.002	0.001	0.000	1	0.004	0.002	0.000	1	0.004	0.002	0.000
27	6F 123789	0.1	1	0.006	0.003	0.000	1	0.007	0.003	0.000	1	0.014	0.014	0.001
28	6F 234678	0.1	1	0.004	0.002	0.000	1	0.005	0.003	0.000	1	0.004	0.002	0.000
29	6F Other	0			0.000	0.000		0.019	0.019	0.000		-0.014	-0.014	0.000
30	6F Total	0			0.000	0.000		0.043	0.043	0.000		0.014	0.014	0.000
31	7F 1234678	0.01	1	0.008	0.004	0.000		0.028	0.028	0.000	1	0.006	0.003	0.000
32	7F 1234789	0.01	1	0.008	0.004	0.000	1	0.007	0.004	0.000	1	0.008	0.004	0.000
33	7F Other	0			0.000	0.000	1	0.145	0.073	0.000		0.000	0.000	0.000
34	7F Total	0			0.000	0.000		0.180	0.180	0.000	1	0.014	0.007	0.000
35	8F	0.001	1	0.024	0.012	0.000		0.189	0.189	0.000	1	0.014	0.007	0.000
36	Total PCDD/PCDF			3.246	3.179			10.280	9.910			4.372	4.275	
37	TEQ		73.1	0.010		0.006	17.9	0.039		0.035	26.4	0.037		0.032

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	603B2													
2	ng/dscm	I-TEF		Total	Total	TEQ	Total	Total	Total	TEQ	Total	Total	Total	TEQ
3		Wt Fact	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
4		1	0.0866	0.087	0.087	0.087	0.0573	0.057	0.057	0.057	0.0233	0.023	0.023	0.023
5	4D 2378	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6		0	5.6452	5.645	0.000	0.000	4.5841	4.584	4.584	0.000	3.9400	3.940	0.000	0.000
7	4D Total	0	0.0162	0.016	0.008	0.008	0.0180	0.018	0.018	0.009	0.0118	0.012	0.006	0.006
8	5D 12378	0	0.3237	0.324	0.000	0.000	0.2598	0.260	0.260	0.000	0.2221	0.222	0.000	0.000
9	5D Total	0	0.0019	0.001	0.000	0.000	0.0050	0.002	0.002	0.000	0.0050	0.003	0.000	0.000
10	6D 123478	0.1	0.0053	0.003	0.000	0.000	0.0061	0.003	0.003	0.000	0.0064	0.003	0.000	0.000
11	6D 123678	0.1	0.0026	0.001	0.000	0.000	0.0050	0.002	0.002	0.000	0.0036	0.002	0.000	0.000
12	6D 123789	0.1	0.0188	0.019	0.000	0.000	0.0172	0.017	0.017	0.000	0.0301	0.030	0.000	0.000
13	6D Total	0	0.0132	0.013	0.000	0.000	0.0168	0.017	0.017	0.000	0.0150	0.015	0.000	0.000
14	7D 1234678	0.01	0.0260	0.026	0.000	0.000	0.0371	0.037	0.037	0.000	0.0315	0.032	0.000	0.000
15	7D Total	0	1.5054	1.505	0.002	0.002	3.0179	3.018	3.018	0.003	1.6118	1.612	0.002	0.002
16	8D	0.001	0.1995	0.199	0.020	0.020	0.1566	0.157	0.157	0.016	0.1182	0.118	0.012	0.012
17	4F 2378	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	4F Total	0	3.6129	3.613	0.000	0.000	2.7505	2.750	2.750	0.000	1.5760	1.576	0.000	0.000
19	5F 12378	0.05	0.0094	0.009	0.000	0.000	0.0073	0.007	0.007	0.000	0.0039	0.004	0.000	0.000
20	5F 23478	0.5	0.0079	0.008	0.004	0.004	0.0057	0.006	0.006	0.003	0.0716	0.072	0.036	0.036
21		0	0.2484	0.248	0.000	0.000	0.1681	0.168	0.168	0.000	0.1254	0.125	0.000	0.000
22	5F Total	0	0.0117	0.012	0.001	0.001	0.0061	0.003	0.003	0.000	0.0064	0.006	0.001	0.001
23	6F 123478	0.1	0.0049	0.002	0.000	0.000	0.0038	0.004	0.004	0.000	0.0029	0.003	0.000	0.000
24	6F 123678	0.1	0.0041	0.002	0.000	0.000	0.0037	0.002	0.002	0.000	0.0068	0.003	0.000	0.000
25	6F 123789	0.1	0.0030	0.002	0.000	0.000	0.0019	0.001	0.001	0.000	0.0018	0.001	0.000	0.000
26	6F 234678	0.1	0.0000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000
27	6F Total	0	0.0452	0.045	0.000	0.000	0.0279	0.028	0.028	0.000	0.0254	0.025	0.000	0.000
28	7F 1234678	0.01	0.0090	0.009	0.000	0.000	0.0073	0.007	0.007	0.000	0.0061	0.006	0.000	0.000
29	7F 1234789	0.01	0.0060	0.003	0.000	0.000	0.0019	0.001	0.001	0.000	0.0086	0.004	0.000	0.000
30	7F Total	0	0.1280	0.128	0.000	0.000	0.0111	0.011	0.011	0.000	0.0061	0.006	0.000	0.000
31	8F	0.001	0.0087	0.009	0.000	0.000	0.0107	0.011	0.011	0.000	0.0125	0.006	0.000	0.000
32	Total PCDD/PCDF		11.5622	11.562	0.000	0.000	10.8843	10.884	10.884	0.090	7.5809	7.575	0.000	0.000
33	TEQ	1.8	0.1242	0.123	0.000	0.000	0.0916	0.090	0.090	0.000	0.0823	0.081	0.000	0.000

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
		I-TEF Wt Fact	Total Full ND	1/2 ND	TEQ 1/2 ND	Total Full ND	1/2 ND	TEQ 1/2 ND	Total Full ND	1/2 ND	TEQ 1/2 ND	Total Full ND	1/2 ND	TEQ 1/2 ND
1	603B3													
2	ng/dscm													
3	4D 2378	1	0.006	0.006	0.006	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.004
4	4D Other	0	0.078	0.078	0.000	0.053	0.053	0.000	0.080	0.080	0.000	0.080	0.080	0.000
5	4D Total	0	0.084	0.084	0.000	0.114	0.114	0.000	0.084	0.084	0.000	0.084	0.084	0.000
6	5D 12378	0.5	1	0.009	0.005	1	0.009	0.004	1	0.005	0.002	1	0.005	0.002
7	6D 123478	0.1	1	0.004	0.002	0.000	0.005	0.002	1	0.003	0.002	1	0.003	0.002
8	6D 123678	0.1	1	0.006	0.003	0.000	0.002	0.002	1	0.004	0.002	1	0.004	0.002
9	6D 123789	0.1	1	0.004	0.002	0.000	0.009	0.009	1	0.003	0.002	1	0.003	0.002
10	6D Other	0		0.000	0.000	0.000	0.016	0.016	0.000	0.000	0.000	0.000	0.000	0.000
11	6D Total	0	0.009	0.009	0.000	0.012	0.012	0.000	0.006	0.006	0.000	0.006	0.003	0.000
12	7D 1234678	0.01	0.009	0.009	0.000	0.011	0.011	0.000	0.007	0.007	0.000	0.007	0.007	0.000
13	7D Other	0	0.019	0.019	0.000	0.023	0.023	0.000	0.013	0.013	0.000	0.013	0.013	0.000
14	7D Total	0	0.006	0.006	0.000	0.075	0.075	0.000	0.035	0.035	0.000	0.035	0.035	0.000
15	8D	0.001	1.351	1.351	0.135	1.423	1.423	0.142	1.273	1.273	0.127	1.273	1.273	0.127
16	4F 2378	0.1	9.607	9.607	0.000	9.608	9.608	0.000	8.908	8.908	0.000	8.908	8.908	0.000
17	4F Other	0	10.958	10.958	0.000	11.031	11.031	0.000	10.181	10.181	0.000	10.181	10.181	0.000
18	4F Total	0	0.142	0.142	0.007	0.149	0.149	0.007	0.135	0.135	0.007	0.135	0.135	0.007
19	5F 12378	0.05	0.438	0.438	0.219	0.498	0.498	0.249	0.400	0.400	0.200	0.400	0.400	0.200
20	5F 23478	0.5	2.743	2.743	0.000	1.701	1.701	0.000	2.411	2.411	0.000	2.411	2.411	0.000
21	5F Other	0	3.324	3.324	0.000	2.349	2.349	0.000	2.945	2.945	0.000	2.945	2.945	0.000
22	5F Total	0	0.110	0.110	0.011	0.096	0.096	0.010	0.087	0.087	0.009	0.087	0.087	0.009
23	6F 123478	0.1	0.033	0.033	0.003	0.039	0.039	0.004	0.034	0.034	0.003	0.034	0.034	0.003
24	6F 123678	0.1	1	0.003	0.001	0.022	0.022	0.002	0.005	0.005	0.001	0.005	0.005	0.001
25	6F 123789	0.1	0.047	0.047	0.005	0.053	0.053	0.005	0.044	0.044	0.004	0.044	0.044	0.004
26	6F Other	0	0.282	0.282	0.000	0.323	0.323	0.000	0.230	0.230	0.000	0.230	0.230	0.000
27	6F Total	0	0.475	0.475	0.000	0.534	0.534	0.000	0.400	0.400	0.000	0.400	0.400	0.000
28	7F 1234678	0.01	0.028	0.028	0.000	0.039	0.039	0.000	0.036	0.036	0.000	0.036	0.036	0.000
29	7F 1234789	0.01	1	0.009	0.005	0.003	0.003	0.000	0.004	0.004	0.000	0.004	0.004	0.000
30	7F Other	0	-0.009	-0.009	0.000	0.011	0.011	0.000	0.015	0.015	0.000	0.015	0.015	0.000
31	7F Total	0	0.028	0.028	0.000	0.053	0.053	0.000	0.055	0.055	0.000	0.055	0.055	0.000
32	8F	0.001	0.008	0.008	0.000	0.007	0.007	0.000	0.007	0.007	0.000	0.007	0.007	0.000
33	Total PCDD/PCDF		14.901	14.901	0.390	14.202	14.202	0.484	13.718	13.718	0.484	13.718	13.718	0.357
34	TEQ		1.6	0.393	1.0	0.486	1.0	0.484	0.359	1.0	0.484	0.359	1.0	0.357