	B	C
1	**Source Description**	
2		
3	Phase I ID No.	614
4	EPA ID No.	TXD982286932
5	Facility Name	Occidental Chemical Corp.
6	Facility Location	
7	City	Gregory
8	State	TX
9	Unit ID Name/No.	VCM Incinerator CCIN-1 (F-550)
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Onsite incinerator
13	Combustor Type	Liquid injection
14	Combustor Characteristics	BIGELOW-LIPTAK custom design combustion chamber with a waste heat boiler
15	Capacity (MMBtu/hr)	
16	Soot Blowing	
17	APCS Detailed Acronym	WHB/WQ/PB/SC
18	APCS General Class	WHB, LEWS
19	APCS Characteristics	Waste heat boiler, water quench, packed bed, 2 spray columns, knockout pot (WQ/PB are for recovery of 10% HCl)
20	Hazardous Wastes	Liq and process vents
21	Haz Waste Description	VCM heavy ends, VCM light ends, EDC heavy ends
22	Supplemental Fuel	Natural gas
23		
24	Stack Characteristics	
25	Diameter (ft)	2.5
26	Height (ft)	105.0
27	Gas Velocity (ft/sec)	21.5
28	Gas Temperature (°F)	108.0
29		
30	Permitting Status	RCRA
31	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Description**	
2		
3	**614C1**	
4		
5	Report Name/Date	Test Report on Exhaust Emissions from VCM Incinerator CC-IN-1 (550) at the Oxymar VCM Production Facility, Gregory Texas, prepared by Cubix Corporation, Job # 2924, November, 1994
6	Report Prepare	Cubix Corporation
7	Testing Firm	Cubix Corporation
8	Cond Descr	Loading Rate Of 4512 Lbs/Hr At 1737 F
9	Testing Dates	October 26, 1994
10	Cond Dates	Nov-94
11		
12	**614C4**	
13		
14	Report Name/Date	
15	Report Prepare	Cubix Corporation
16	Testing Firm	Cubix Corporation
17	Cond Descr	Normal Operating Condition
18	Testing Dates	February 7-8, 2001
19	Cond Dates	Feb-01

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions 2**											
2												
3		Comments	Units	7%O2								
4												
5	**614C1**					R1		R2		R3		Cond Avg
6												
7												
8	PM	E1	gr/dscf	y		0.006		0.0047		0.0075		0.0061
9	CO (RA)	E1	ppmv	y		9.2		18.9		0.5		9.53
10	HC (RA)	E1	ppmv	y		0.9		1.0		1.6		1.17
11	HCl	E1	ppmv	y		2.8		1.6		1.1		1.83
12	Cl2	E1	ppmv	y		2.9		1.0		1.0		1.63
13	Total Chlorine	E1	ppmv	y		8.6		3.6		3.1		5.10
14												
15	Sampling Train	PM/HCl	E1									
16	Stack Gas Flowrate		dscfm			11209.5		9955.4		11198.1		10788
17	O2		%			12.9		12.5		12.7		12.70
18	Moisture		%									
19	Temperature		°F									
20												
21	**614C4**					R1		R2		R3		Cond Avg
22												
23	CO (RA)	E1	ppmv	y		10.8		9.4		11.8		10.7
24												
25	Sampling Train	PCDD/F	E1									
26	Stack Gas Flowrate		dscfm			13273		13327		13187		13262.3
27	O2		%			10.8		11		12		11.3
28	Moisture		%			5.76		5.94		6.15		6.0
29	Temperature		°F			111		111		110		110.7

	B	C	D	E
1	**Feedstream 2**			
2				
3	**614C1**			
4				
5	No feedrate information available			

	A	B	C	D	E
1	**Process Info**				
2					
3	**614C4**		R1	R2	R3
4					
5	Firebox Temperature	F	1901	1903	1877
6	WHB Exit temperature	F	416	417	415

	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:		Occidental															
4	Condition ID:		**614C4**															
5	Condition/Test Date:		Normal operating condition, Feb 7-8, 2001															
6																		
7			I-TEF			Run 1						Run 2					Run 3	
8			Wght Fact		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ
9					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
10	Detected in sample volume (pg)																	
11		2,3,7,8-TCDD	1		10.6	10.60	10.60	10.60		14.1	14.10	14.10	14.10		14.1	14	14	14
12		1,2,3,7,8-PCDD	0.5		160.1	80.05	160.10	80.05		170	85.00	170.00	85.00		209.5	105	210	105
13		1,2,3,4,7,8-HxCDD	0.1		665	66.50	665.00	66.50		829	82.90	829.00	82.90		817	82	817	82
14		1,2,3,6,7,8-HxCDD	0.1		737	73.70	737.00	73.70		893	89.30	893.00	89.30		892	89	892	89
15		1,2,3,7,8,9-HxCDD	0.1		585	58.50	585.00	58.50		649	64.90	649.00	64.90		678	68	678	68
16		1,2,3,4,6,7,8-HpCDD	0.01		10070	100.70	10070.00	100.70		10920	109.20	10920.00	109.20		13620	136	13620	136
17		OCDD	0.001		60210	60.21	60210.00	60.21		58700	58.70	58700	58.70		92200	92	92200	92
18		Total TCDD	0		199	0	199	0		282	0.00	282	0.00		272	0	272	0
19		Total PCDD	0		1343	0	1343	0		1580	0.00	1580	0.00		1787	0	1787	0
20		Total HxCDD	0		7020	0	7020	0		7390	0.00	7390	0.00		8910	0	8910	0
21		Total HpCDD	0		18530	0	18530	0		20980	0.00	20980	0.00		26000	0	26000	0
22		2,3,7,8-TCDF	0.1		180.8	18.08	180.80	18.08		235.1	23.51	235	23.51		246.2	25	246	25
23		1,2,3,7,8-PCDF	0.05		2053	103	2053	103		2701	135.05	2701	135.05		2802	140	2802	140
24		2,3,4,7,8-PCDF	0.5		2276	1138	2276	1138		2983	1491.50	2983	1491.50		2851	1426	2851	1426
25		1,2,3,4,7,8-HxCDF	0.1		22890	2289	22890	2289		28480	2848.00	28480	2848.00		28420	2842	28420	2842
26		1,2,3,6,7,8-HxCDF	0.1		21390	2139	21390	2139		27000	2700.00	27000	2700.00		27150	2715	27150	2715
27		2,3,4,6,7,8-HxCDF	0.1		12840	1284	12840	1284		15390	1539.00	15390	1539.00		15180	1518	15180	1518
28		1,2,3,7,8,9-HxCDF	0.1		5100	510	5100	510		6160	616.00	6160	616.00		5970	597	5970	597
29		1,2,3,4,6,7,8-HpCDF	0.01		163200	1632	163200	1632		194200	1942.00	194200	1942.00		216800	2168	216800	2168
30		1,2,3,4,7,8,9-HpCDF	0.01		36470	365	36470	365		35600	356.00	35600	356.00		42600	426	42600	426
31		OCDF	0.001		322300	322	322300	322		306000	306.00	306000	306.00		417000	417	417000	417
32		Total TCDF	0		14000	0	14000	0		11553	0.00	11553	0.00		12874	0	12874	0
33		Total PCDF	0		4300	0	4300	0		50920	0.00	50920	0.00		53660	0	53660	0
34		Total HxCDF	0		630	0	630	0		243200	0.00	243200	0.00		249900	0	249900	0
35		Total HpCDF	0		51	0	51	0		355900	0.00	355900	0.00		397000	0	397000	0
36																		
37		Gas sample volume (dscf)				108.81	108.81	108.81			110.106	110.106	110.106			110.284	110.284	110.284
38		O2 (%)				10.80	10.80	10.80			11	11	11			12	12	12
39																		
40		PCDD/PCDF (ng in sample)				10.250	428.6	10.250			12.461	1056.5	12.461			12.86	1259.6	12.86
41		PCDD/PCDF (ng/dscm @ 7% O2)		0.0		4.569	191.027	4.569	0.0		5.60	474.68	5.60	0.0		6.41	627.80	6.41
42																		
43		TEQ Cond Avg	5.53															
44		Total Cond Avg	431.2															