

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347 DEVICE NAME:

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	347C1R1	ND 2.73e-3 ng/dscm 7%O2	3.06e-11 lbs/hr	CE7%O2
4D 2378	347C1R2	ND 1.30e-3 ng/dscm 7%O2	1.51e-11 lbs/hr	CE7%O2
4D 2378	347C1R3	ND 1.90e-3 ng/dscm 7%O2	2.01e-11 lbs/hr	CE7%O2
4D 2378	347C1R4	ND 1.46e-3 ng/dscm 7%O2	1.52e-11 lbs/hr	CE7%O2
4D 2378	347C2R1	ND 1.00e-3 ng/dscm 7%O2	1.10e-11 lbs/hr	CE7%O2
4D 2378	347C3R1	ND 7.40e-3 ng/dscm 7%O2	1.05e-10 lbs/hr	CE7%O2
4D 2378	347C3R2	ND 7.94e-3 ng/dscm 7%O2	1.04e-10 lbs/hr	CE7%O2
4D 2378	347C3R3	ND 7.98e-3 ng/dscm 7%O2	1.03e-10 lbs/hr	CE7%O2
4D 2378	347C3R4	ND 7.90e-3 ng/dscm 7%O2	1.06e-10 lbs/hr	CE7%O2
4D 2378	347C4R1	ND 1.25e-2 ng/dscm 7%O2	1.61e-10 lbs/hr	CE7%O2
4D Other	347C1R1	2 4.55e-3 ng/dscm 7%O2	5.10e-11 lbs/hr	CE7%O2
4D Other	347C1R2	2 4.33e-3 ng/dscm 7%O2	5.05e-11 lbs/hr	CE7%O2
4D Other	347C1R3	ND 1.90e-3 ng/dscm 7%O2	2.01e-11 lbs/hr	CE7%O2
4D Other	347C1R4	2 4.37e-3 ng/dscm 7%O2	4.56e-11 lbs/hr	CE7%O2
4D Other	347C2R1	2 5.02e-3 ng/dscm 7%O2	5.48e-11 lbs/hr	CE7%O2
4D Other	347C3R1	ND 7.40e-3 ng/dscm 7%O2	1.05e-10 lbs/hr	CE7%O2
4D Other	347C3R2	ND 7.94e-3 ng/dscm 7%O2	1.04e-10 lbs/hr	CE7%O2
4D Other	347C3R3	ND 7.98e-3 ng/dscm 7%O2	1.03e-10 lbs/hr	CE7%O2
4D Other	347C3R4	ND 7.90e-3 ng/dscm 7%O2	1.06e-10 lbs/hr	CE7%O2
4D Other	347C4R1	ND 1.25e-2 ng/dscm 7%O2	1.61e-10 lbs/hr	CE7%O2
4D Total	347C1R1	7.28e-3 ng/dscm 7%O2	8.17e-11 lbs/hr	OCE
4D Total	347C1R2	5.63e-3 ng/dscm 7%O2	6.56e-11 lbs/hr	OCE
4D Total	347C1R3	3.79e-3 ng/dscm 7%O2	4.02e-11 lbs/hr	OCE
4D Total	347C1R4	5.82e-3 ng/dscm 7%O2	6.08e-11 lbs/hr	OCE
4D Total	347C2R1	6.03e-3 ng/dscm 7%O2	6.58e-11 lbs/hr	OCE
4D Total	347C3R1	1.48e-2 ng/dscm 7%O2	2.11e-10 lbs/hr	OCE
4D Total	347C3R2	1.59e-2 ng/dscm 7%O2	2.09e-10 lbs/hr	OCE
4D Total	347C3R3	1.60e-2 ng/dscm 7%O2	2.05e-10 lbs/hr	OCE
4D Total	347C3R4	1.58e-2 ng/dscm 7%O2	2.11e-10 lbs/hr	OCE
4D Total	347C4R1	2.50e-2 ng/dscm 7%O2	3.22e-10 lbs/hr	OCE
4F 2378	347C1R1	2 4.55e-3 ng/dscm 7%O2	5.10e-11 lbs/hr	CE7%O2
4F 2378	347C1R2	4.33e-3 ng/dscm 7%O2	5.05e-11 lbs/hr	CE7%O2
4F 2378	347C1R3	3.32e-3 ng/dscm 7%O2	3.52e-11 lbs/hr	CE7%O2
4F 2378	347C1R4	4.37e-3 ng/dscm 7%O2	4.56e-11 lbs/hr	CE7%O2
4F 2378	347C2R1	5.02e-3 ng/dscm 7%O2	5.48e-11 lbs/hr	CE7%O2
4F 2378	347C3R1	1.11e-2 ng/dscm 7%O2	1.58e-10 lbs/hr	CE7%O2
4F 2378	347C3R2	2 1.99e-2 ng/dscm 7%O2	2.61e-10 lbs/hr	CE7%O2
4F 2378	347C3R3	2.39e-2 ng/dscm 7%O2	3.08e-10 lbs/hr	CE7%O2
4F 2378	347C3R4	1.97e-2 ng/dscm 7%O2	2.64e-10 lbs/hr	CE7%O2
4F 2378	347C4R1	4.58e-2 ng/dscm 7%O2	5.89e-10 lbs/hr	CE7%O2
4F Other	347C1R1	ND 0.00e+0	0.00e+0	
4F Other	347C1R2	ND 0.00e+0	0.00e+0	
4F Other	347C1R3	ND 0.00e+0	0.00e+0	
4F Other	347C1R4	5.34e-3 ng/dscm 7%O2	5.58e-11 lbs/hr	CE7%O2
4F Other	347C2R1	5.02e-3 ng/dscm 7%O2	5.48e-11 lbs/hr	CE7%O2
4F Other	347C3R1	2 5.18e-2 ng/dscm 7%O2	7.38e-10 lbs/hr	CE7%O2
4F Other	347C3R2	2 1.99e-2 ng/dscm 7%O2	2.61e-10 lbs/hr	CE7%O2
4F Other	347C3R3	7.98e-3 ng/dscm 7%O2	1.03e-10 lbs/hr	CE7%O2
4F Other	347C3R4	3.16e-2 ng/dscm 7%O2	4.23e-10 lbs/hr	CE7%O2
4F Other	347C4R1	1.83e-1 ng/dscm 7%O2	2.36e-9 lbs/hr	CE7%O2
4F Total	347C1R1	4.55e-3 ng/dscm 7%O2	5.10e-11 lbs/hr	OCE
4F Total	347C1R2	4.33e-3 ng/dscm 7%O2	5.05e-11 lbs/hr	OCE
4F Total	347C1R3	3.32e-3 ng/dscm 7%O2	3.52e-11 lbs/hr	OCE
4F Total	347C1R4	9.70e-3 ng/dscm 7%O2	1.01e-10 lbs/hr	OCE
4F Total	347C2R1	1.00e-2 ng/dscm 7%O2	1.10e-10 lbs/hr	OCE
4F Total	347C3R1	6.29e-2 ng/dscm 7%O2	8.96e-10 lbs/hr	OCE

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EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

4F Total	347C3R2		3.97e-2	ng/dscm	7%O2	5.22e-10	lbs/hr	OCE
4F Total	347C3R3		3.19e-2	ng/dscm	7%O2	4.10e-10	lbs/hr	OCE
4F Total	347C3R4		5.13e-2	ng/dscm	7%O2	6.87e-10	lbs/hr	OCE
4F Total	347C4R1		2.29e-1	ng/dscm	7%O2	2.95e-9	lbs/hr	OCE
5D 12378	347C1R1	ND	3.64e-3	ng/dscm	7%O2	4.08e-11	lbs/hr	CE7%O2
5D 12378	347C1R2	ND	1.73e-3	ng/dscm	7%O2	2.02e-11	lbs/hr	CE7%O2
5D 12378	347C1R3	ND	3.79e-3	ng/dscm	7%O2	4.02e-11	lbs/hr	CE7%O2
5D 12378	347C1R4	ND	2.91e-3	ng/dscm	7%O2	3.04e-11	lbs/hr	CE7%O2
5D 12378	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
5D 12378	347C3R1	ND	1.11e-2	ng/dscm	7%O2	1.58e-10	lbs/hr	CE7%O2
5D 12378	347C3R2	ND	1.19e-2	ng/dscm	7%O2	1.57e-10	lbs/hr	CE7%O2
5D 12378	347C3R3	ND	1.60e-2	ng/dscm	7%O2	2.05e-10	lbs/hr	CE7%O2
5D 12378	347C3R4	ND	1.58e-2	ng/dscm	7%O2	2.11e-10	lbs/hr	CE7%O2
5D 12378	347C4R1	ND	2.08e-2	ng/dscm	7%O2	2.68e-10	lbs/hr	CE7%O2
5D Other	347C1R1	ND	3.64e-3	ng/dscm	7%O2	4.08e-11	lbs/hr	CE7%O2
5D Other	347C1R2	ND	1.73e-3	ng/dscm	7%O2	2.02e-11	lbs/hr	CE7%O2
5D Other	347C1R3	ND	3.79e-3	ng/dscm	7%O2	4.02e-11	lbs/hr	CE7%O2
5D Other	347C1R4	ND	2.91e-3	ng/dscm	7%O2	3.04e-11	lbs/hr	CE7%O2
5D Other	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
5D Other	347C3R1	ND	1.11e-2	ng/dscm	7%O2	1.58e-10	lbs/hr	CE7%O2
5D Other	347C3R2	ND	1.19e-2	ng/dscm	7%O2	1.57e-10	lbs/hr	CE7%O2
5D Other	347C3R3	ND	1.60e-2	ng/dscm	7%O2	2.05e-10	lbs/hr	CE7%O2
5D Other	347C3R4	ND	1.58e-2	ng/dscm	7%O2	2.11e-10	lbs/hr	CE7%O2
5D Other	347C4R1	ND	2.08e-2	ng/dscm	7%O2	2.68e-10	lbs/hr	CE7%O2
5D Total	347C1R1		7.28e-3	ng/dscm	7%O2	8.17e-11	lbs/hr	OCE
5D Total	347C1R2		3.47e-3	ng/dscm	7%O2	4.04e-11	lbs/hr	OCE
5D Total	347C1R3		7.58e-3	ng/dscm	7%O2	8.04e-11	lbs/hr	OCE
5D Total	347C1R4		5.82e-3	ng/dscm	7%O2	6.08e-11	lbs/hr	OCE
5D Total	347C2R1		4.02e-3	ng/dscm	7%O2	4.39e-11	lbs/hr	OCE
5D Total	347C3R1		2.22e-2	ng/dscm	7%O2	3.16e-10	lbs/hr	OCE
5D Total	347C3R2		2.38e-2	ng/dscm	7%O2	3.13e-10	lbs/hr	OCE
5D Total	347C3R3		3.19e-2	ng/dscm	7%O2	4.10e-10	lbs/hr	OCE
5D Total	347C3R4		3.16e-2	ng/dscm	7%O2	4.23e-10	lbs/hr	OCE
5D Total	347C4R1		4.17e-2	ng/dscm	7%O2	5.36e-10	lbs/hr	OCE
5F 12378	347C1R1	ND	2.27e-3	ng/dscm	7%O2	2.55e-11	lbs/hr	CE7%O2
5F 12378	347C1R2	ND	1.30e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
5F 12378	347C1R3	ND	2.37e-3	ng/dscm	7%O2	2.51e-11	lbs/hr	CE7%O2
5F 12378	347C1R4	ND	1.94e-3	ng/dscm	7%O2	2.03e-11	lbs/hr	CE7%O2
5F 12378	347C2R1	ND	1.00e-3	ng/dscm	7%O2	1.10e-11	lbs/hr	CE7%O2
5F 12378	347C3R1	ND	7.42e-3	ng/dscm	7%O2	1.06e-10	lbs/hr	CE7%O2
5F 12378	347C3R2	ND	7.94e-3	ng/dscm	7%O2	1.04e-10	lbs/hr	CE7%O2
5F 12378	347C3R3	ND	7.98e-3	ng/dscm	7%O2	1.03e-10	lbs/hr	CE7%O2
5F 12378	347C3R4	ND	7.90e-3	ng/dscm	7%O2	1.06e-10	lbs/hr	CE7%O2
5F 12378	347C4R1	ND	1.25e-2	ng/dscm	7%O2	1.61e-10	lbs/hr	CE7%O2
5F 23478	347C1R1	ND	2.27e-3	ng/dscm	7%O2	2.55e-11	lbs/hr	CE7%O2
5F 23478	347C1R2	ND	1.30e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
5F 23478	347C1R3	ND	1.90e-3	ng/dscm	7%O2	2.01e-11	lbs/hr	CE7%O2
5F 23478	347C1R4	ND	1.94e-3	ng/dscm	7%O2	2.03e-11	lbs/hr	CE7%O2
5F 23478	347C2R1	ND	1.00e-3	ng/dscm	7%O2	1.10e-11	lbs/hr	CE7%O2
5F 23478	347C3R1	ND	7.40e-3	ng/dscm	7%O2	1.05e-10	lbs/hr	CE7%O2
5F 23478	347C3R2	ND	7.94e-3	ng/dscm	7%O2	1.04e-10	lbs/hr	CE7%O2
5F 23478	347C3R3	ND	7.98e-3	ng/dscm	7%O2	1.03e-10	lbs/hr	CE7%O2
5F 23478	347C3R4	ND	7.90e-3	ng/dscm	7%O2	1.06e-10	lbs/hr	CE7%O2
5F 23478	347C4R1	ND	1.25e-2	ng/dscm	7%O2	1.61e-10	lbs/hr	CE7%O2
5F Other	347C1R1	ND	2.27e-3	ng/dscm	7%O2	2.55e-11	lbs/hr	CE7%O2
5F Other	347C1R2	2	2.60e-3	ng/dscm	7%O2	3.03e-11	lbs/hr	CE7%O2
5F Other	347C1R3	ND	2.37e-3	ng/dscm	7%O2	2.51e-11	lbs/hr	CE7%O2
5F Other	347C1R4	2	3.40e-3	ng/dscm	7%O2	3.55e-11	lbs/hr	CE7%O2
5F Other	347C2R1	ND	1.00e-3	ng/dscm	7%O2	1.10e-11	lbs/hr	CE7%O2
5F Other	347C3R1	ND	7.40e-3	ng/dscm	7%O2	1.05e-10	lbs/hr	CE7%O2
5F Other	347C3R2	ND	7.94e-3	ng/dscm	7%O2	1.04e-10	lbs/hr	CE7%O2
5F Other	347C3R3		1.20e-2	ng/dscm	7%O2	1.54e-10	lbs/hr	CE7%O2

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SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347 DEVICE NAME:

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

5F Other	347C3R4		1.18e-2	ng/dscm	7%O2	1.59e-10	lbs/hr	CE7%O2
5F Other	347C4R1	ND	1.25e-2	ng/dscm	7%O2	1.61e-10	lbs/hr	CE7%O2
5F Total	347C1R1		6.82e-3	ng/dscm	7%O2	7.66e-11	lbs/hr	OCE
5F Total	347C1R2		5.20e-3	ng/dscm	7%O2	6.06e-11	lbs/hr	OCE
5F Total	347C1R3		6.63e-3	ng/dscm	7%O2	7.04e-11	lbs/hr	OCE
5F Total	347C1R4		7.28e-3	ng/dscm	7%O2	7.60e-11	lbs/hr	OCE
5F Total	347C2R1		3.01e-3	ng/dscm	7%O2	3.29e-11	lbs/hr	OCE
5F Total	347C3R1		2.22e-2	ng/dscm	7%O2	3.17e-10	lbs/hr	OCE
5F Total	347C3R2		2.38e-2	ng/dscm	7%O2	3.13e-10	lbs/hr	OCE
5F Total	347C3R3		2.79e-2	ng/dscm	7%O2	3.59e-10	lbs/hr	OCE
5F Total	347C3R4		2.76e-2	ng/dscm	7%O2	3.70e-10	lbs/hr	OCE
5F Total	347C4R1		3.75e-2	ng/dscm	7%O2	4.82e-10	lbs/hr	OCE
6D 123478	347C1R1	ND	4.55e-3	ng/dscm	7%O2	5.10e-11	lbs/hr	CE7%O2
6D 123478	347C1R2	ND	2.17e-3	ng/dscm	7%O2	2.52e-11	lbs/hr	CE7%O2
6D 123478	347C1R3	ND	1.90e-3	ng/dscm	7%O2	2.01e-11	lbs/hr	CE7%O2
6D 123478	347C1R4	ND	1.94e-3	ng/dscm	7%O2	2.03e-11	lbs/hr	CE7%O2
6D 123478	347C2R1	ND	2.51e-3	ng/dscm	7%O2	2.74e-11	lbs/hr	CE7%O2
6D 123678	347C1R1	ND	3.64e-3	ng/dscm	7%O2	4.08e-11	lbs/hr	CE7%O2
6D 123678	347C1R2	ND	1.73e-3	ng/dscm	7%O2	2.02e-11	lbs/hr	CE7%O2
6D 123678	347C1R3	ND	1.42e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
6D 123678	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
6D 123678	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
6D 123789	347C1R1	ND	4.09e-3	ng/dscm	7%O2	4.59e-11	lbs/hr	CE7%O2
6D 123789	347C1R2	ND	2.17e-3	ng/dscm	7%O2	2.52e-11	lbs/hr	CE7%O2
6D 123789	347C1R3	ND	1.90e-3	ng/dscm	7%O2	2.01e-11	lbs/hr	CE7%O2
6D 123789	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
6D 123789	347C2R1	ND	2.51e-3	ng/dscm	7%O2	2.74e-11	lbs/hr	CE7%O2
6D 2378	347C3R1	ND	2.22e-2	ng/dscm	7%O2	3.16e-10	lbs/hr	CE7%O2
6D 2378	347C3R2	ND	1.99e-2	ng/dscm	7%O2	2.61e-10	lbs/hr	CE7%O2
6D 2378	347C3R3	ND	2.79e-2	ng/dscm	7%O2	3.59e-10	lbs/hr	CE7%O2
6D 2378	347C3R4	ND	2.36e-2	ng/dscm	7%O2	3.16e-10	lbs/hr	CE7%O2
6D 2378	347C4R1	ND	2.92e-2	ng/dscm	7%O2	3.76e-10	lbs/hr	CE7%O2
6D Other	347C1R1	ND	4.09e-3	ng/dscm	7%O2	4.59e-11	lbs/hr	CE7%O2
6D Other	347C1R2	2	3.47e-3	ng/dscm	7%O2	4.04e-11	lbs/hr	CE7%O2
6D Other	347C1R3	ND	1.90e-3	ng/dscm	7%O2	2.01e-11	lbs/hr	CE7%O2
6D Other	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
6D Other	347C2R1	ND	2.51e-3	ng/dscm	7%O2	2.74e-11	lbs/hr	CE7%O2
6D Other	347C3R1	ND	1.85e-2	ng/dscm	7%O2	2.64e-10	lbs/hr	CE7%O2
6D Other	347C3R2	ND	1.99e-2	ng/dscm	7%O2	2.61e-10	lbs/hr	CE7%O2
6D Other	347C3R3	ND	2.79e-2	ng/dscm	7%O2	3.59e-10	lbs/hr	CE7%O2
6D Other	347C3R4	ND	1.97e-2	ng/dscm	7%O2	2.64e-10	lbs/hr	CE7%O2
6D Other	347C4R1	ND	2.92e-2	ng/dscm	7%O2	3.75e-10	lbs/hr	CE7%O2
6D Total	347C1R1		1.64e-2	ng/dscm	7%O2	1.84e-10	lbs/hr	OCE
6D Total	347C1R2		9.54e-3	ng/dscm	7%O2	1.11e-10	lbs/hr	OCE
6D Total	347C1R3		7.11e-3	ng/dscm	7%O2	7.54e-11	lbs/hr	OCE
6D Total	347C1R4		6.31e-3	ng/dscm	7%O2	6.59e-11	lbs/hr	OCE
6D Total	347C2R1		9.54e-3	ng/dscm	7%O2	1.04e-10	lbs/hr	OCE
6D Total	347C3R1		4.07e-2	ng/dscm	7%O2	5.80e-10	lbs/hr	OCE
6D Total	347C3R2		3.97e-2	ng/dscm	7%O2	5.22e-10	lbs/hr	OCE
6D Total	347C3R3		5.58e-2	ng/dscm	7%O2	7.18e-10	lbs/hr	OCE
6D Total	347C3R4		4.34e-2	ng/dscm	7%O2	5.80e-10	lbs/hr	OCE
6D Total	347C4R1		5.84e-2	ng/dscm	7%O2	7.51e-10	lbs/hr	OCE
6F 123478	347C1R1	ND	3.18e-3	ng/dscm	7%O2	3.57e-11	lbs/hr	CE7%O2
6F 123478	347C1R2	ND	1.73e-3	ng/dscm	7%O2	2.02e-11	lbs/hr	CE7%O2
6F 123478	347C1R3	ND	1.42e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
6F 123478	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
6F 123478	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
6F 123678	347C1R1	ND	2.27e-3	ng/dscm	7%O2	2.55e-11	lbs/hr	CE7%O2
6F 123678	347C1R2	ND	1.30e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
6F 123678	347C1R3	ND	9.48e-4	ng/dscm	7%O2	1.01e-11	lbs/hr	CE7%O2
6F 123678	347C1R4	ND	9.70e-4	ng/dscm	7%O2	1.01e-11	lbs/hr	CE7%O2
6F 123678	347C2R1	ND	1.51e-3	ng/dscm	7%O2	1.65e-11	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347 DEVICE NAME:

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

6F 123789	347C1R1	ND	3.64e-3	ng/dscm	7%O2	4.08e-11	lbs/hr	CE7%O2
6F 123789	347C1R2	ND	1.73e-3	ng/dscm	7%O2	2.02e-11	lbs/hr	CE7%O2
6F 123789	347C1R3	ND	1.42e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
6F 123789	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
6F 123789	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
6F 234678	347C1R1		4.55e-3	ng/dscm	7%O2	5.10e-11	lbs/hr	CE7%O2
6F 234678	347C1R2	2	4.33e-3	ng/dscm	7%O2	5.05e-11	lbs/hr	CE7%O2
6F 234678	347C1R3		4.74e-3	ng/dscm	7%O2	5.03e-11	lbs/hr	CE7%O2
6F 234678	347C1R4		9.70e-3	ng/dscm	7%O2	1.01e-10	lbs/hr	CE7%O2
6F 234678	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
6F 2378	347C3R1	ND	1.48e-2	ng/dscm	7%O2	2.11e-10	lbs/hr	CE7%O2
6F 2378	347C3R2	ND	1.59e-2	ng/dscm	7%O2	2.09e-10	lbs/hr	CE7%O2
6F 2378	347C3R3	ND	1.99e-2	ng/dscm	7%O2	2.56e-10	lbs/hr	CE7%O2
6F 2378	347C3R4	ND	1.57e-2	ng/dscm	7%O2	2.11e-10	lbs/hr	CE7%O2
6F 2378	347C4R1	ND	2.09e-2	ng/dscm	7%O2	2.68e-10	lbs/hr	CE7%O2
6F Other	347C1R1	ND	0.00e+0			0.00e+0		
6F Other	347C1R2	ND	0.00e+0			0.00e+0		
6F Other	347C1R3	ND	0.00e+0			0.00e+0		
6F Other	347C1R4	ND	0.00e+0			0.00e+0		
6F Other	347C2R1	ND	2.01e-3	ng/dscm	7%O2	2.19e-11	lbs/hr	CE7%O2
6F Other	347C3R1	ND	1.48e-2	ng/dscm	7%O2	2.11e-10	lbs/hr	CE7%O2
6F Other	347C3R2	ND	1.59e-2	ng/dscm	7%O2	2.09e-10	lbs/hr	CE7%O2
6F Other	347C3R3	ND	1.99e-2	ng/dscm	7%O2	2.56e-10	lbs/hr	CE7%O2
6F Other	347C3R4	ND	1.58e-2	ng/dscm	7%O2	2.11e-10	lbs/hr	CE7%O2
6F Other	347C4R1	ND	2.08e-2	ng/dscm	7%O2	2.68e-10	lbs/hr	CE7%O2
6F Total	347C1R1		1.36e-2	ng/dscm	7%O2	1.53e-10	lbs/hr	OCE
6F Total	347C1R2		9.10e-3	ng/dscm	7%O2	1.06e-10	lbs/hr	OCE
6F Total	347C1R3		8.53e-3	ng/dscm	7%O2	9.05e-11	lbs/hr	OCE
6F Total	347C1R4		1.36e-2	ng/dscm	7%O2	1.42e-10	lbs/hr	OCE
6F Total	347C2R1		9.54e-3	ng/dscm	7%O2	1.04e-10	lbs/hr	OCE
6F Total	347C3R1		2.96e-2	ng/dscm	7%O2	4.22e-10	lbs/hr	OCE
6F Total	347C3R2		3.18e-2	ng/dscm	7%O2	4.17e-10	lbs/hr	OCE
6F Total	347C3R3		3.99e-2	ng/dscm	7%O2	5.13e-10	lbs/hr	OCE
6F Total	347C3R4		3.15e-2	ng/dscm	7%O2	4.22e-10	lbs/hr	OCE
6F Total	347C4R1		4.17e-2	ng/dscm	7%O2	5.36e-10	lbs/hr	OCE
7D 1234678	347C1R1	ND	4.55e-3	ng/dscm	7%O2	5.10e-11	lbs/hr	CE7%O2
7D 1234678	347C1R2	ND	2.17e-3	ng/dscm	7%O2	2.52e-11	lbs/hr	CE7%O2
7D 1234678	347C1R3	ND	2.37e-3	ng/dscm	7%O2	2.51e-11	lbs/hr	CE7%O2
7D 1234678	347C1R4		3.40e-3	ng/dscm	7%O2	3.55e-11	lbs/hr	CE7%O2
7D 1234678	347C2R1		1.00e-2	ng/dscm	7%O2	1.10e-10	lbs/hr	CE7%O2
7D 1234678	347C3R1		1.85e-2	ng/dscm	7%O2	2.64e-10	lbs/hr	CE7%O2
7D 1234678	347C3R2	2	2.78e-2	ng/dscm	7%O2	3.65e-10	lbs/hr	CE7%O2
7D 1234678	347C3R3	2	2.79e-2	ng/dscm	7%O2	3.59e-10	lbs/hr	CE7%O2
7D 1234678	347C3R4		2.75e-2	ng/dscm	7%O2	3.69e-10	lbs/hr	CE7%O2
7D 1234678	347C4R1		5.84e-2	ng/dscm	7%O2	7.51e-10	lbs/hr	CE7%O2
7D Other	347C1R1	ND	4.55e-3	ng/dscm	7%O2	5.10e-11	lbs/hr	CE7%O2
7D Other	347C1R2	2	3.47e-3	ng/dscm	7%O2	4.04e-11	lbs/hr	CE7%O2
7D Other	347C1R3	ND	2.37e-3	ng/dscm	7%O2	2.51e-11	lbs/hr	CE7%O2
7D Other	347C1R4	ND	0.00e+0			0.00e+0		
7D Other	347C2R1	2	2.01e-2	ng/dscm	7%O2	2.19e-10	lbs/hr	CE7%O2
7D Other	347C3R1	ND	0.00e+0			0.00e+0		
7D Other	347C3R2	2	1.99e-2	ng/dscm	7%O2	2.61e-10	lbs/hr	CE7%O2
7D Other	347C3R3	2	3.59e-2	ng/dscm	7%O2	4.62e-10	lbs/hr	CE7%O2
7D Other	347C3R4		0.00e+0			0.00e+0		
7D Other	347C4R1		2.50e-2	ng/dscm	7%O2	3.22e-10	lbs/hr	CE7%O2
7D Total	347C1R1		9.10e-3	ng/dscm	7%O2	1.02e-10	lbs/hr	OCE
7D Total	347C1R2		5.63e-3	ng/dscm	7%O2	6.56e-11	lbs/hr	OCE
7D Total	347C1R3		4.74e-3	ng/dscm	7%O2	5.03e-11	lbs/hr	OCE
7D Total	347C1R4		3.40e-3	ng/dscm	7%O2	3.55e-11	lbs/hr	OCE
7D Total	347C2R1		3.01e-2	ng/dscm	7%O2	3.29e-10	lbs/hr	OCE
7D Total	347C3R1		1.85e-2	ng/dscm	7%O2	2.64e-10	lbs/hr	OCE
7D Total	347C3R2		4.76e-2	ng/dscm	7%O2	6.26e-10	lbs/hr	OCE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347 DEVICE NAME:

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

7D Total	347C3R3		6.38e-2	ng/dscm	7%O2	8.21e-10	lbs/hr	OCE
7D Total	347C3R4		2.75e-2	ng/dscm	7%O2	3.69e-10	lbs/hr	OCE
7D Total	347C4R1		8.34e-2	ng/dscm	7%O2	1.07e-9	lbs/hr	OCE
7F 1234678	347C1R1	ND	2.73e-3	ng/dscm	7%O2	3.06e-11	lbs/hr	CE7%O2
7F 1234678	347C1R2	ND	1.30e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
7F 1234678	347C1R3	ND	1.42e-3	ng/dscm	7%O2	1.51e-11	lbs/hr	CE7%O2
7F 1234678	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
7F 1234678	347C2R1	2	3.52e-3	ng/dscm	7%O2	3.84e-11	lbs/hr	CE7%O2
7F 1234789	347C1R1	ND	4.55e-3	ng/dscm	7%O2	5.10e-11	lbs/hr	CE7%O2
7F 1234789	347C1R2	ND	2.17e-3	ng/dscm	7%O2	2.52e-11	lbs/hr	CE7%O2
7F 1234789	347C1R3	ND	1.90e-3	ng/dscm	7%O2	2.01e-11	lbs/hr	CE7%O2
7F 1234789	347C1R4	ND	1.94e-3	ng/dscm	7%O2	2.03e-11	lbs/hr	CE7%O2
7F 1234789	347C2R1	ND	3.01e-3	ng/dscm	7%O2	3.29e-11	lbs/hr	CE7%O2
7F 2378	347C3R1	ND	2.22e-2	ng/dscm	7%O2	3.16e-10	lbs/hr	CE7%O2
7F 2378	347C3R2	ND	2.38e-2	ng/dscm	7%O2	3.13e-10	lbs/hr	CE7%O2
7F 2378	347C3R3	ND	2.79e-2	ng/dscm	7%O2	3.59e-10	lbs/hr	CE7%O2
7F 2378	347C3R4	ND	1.97e-2	ng/dscm	7%O2	2.63e-10	lbs/hr	CE7%O2
7F 2378	347C4R1	ND	2.92e-2	ng/dscm	7%O2	3.76e-10	lbs/hr	CE7%O2
7F Other	347C1R1	ND	3.64e-3	ng/dscm	7%O2	4.08e-11	lbs/hr	CE7%O2
7F Other	347C1R2	2	4.33e-3	ng/dscm	7%O2	5.05e-11	lbs/hr	CE7%O2
7F Other	347C1R3	ND	1.42e-3	ng/dscm	7%O2	1.50e-11	lbs/hr	CE7%O2
7F Other	347C1R4	ND	1.46e-3	ng/dscm	7%O2	1.52e-11	lbs/hr	CE7%O2
7F Other	347C2R1	2	4.52e-3	ng/dscm	7%O2	4.94e-11	lbs/hr	CE7%O2
7F Other	347C3R1	ND	1.85e-2	ng/dscm	7%O2	2.64e-10	lbs/hr	CE7%O2
7F Other	347C3R2	ND	2.38e-2	ng/dscm	7%O2	3.13e-10	lbs/hr	CE7%O2
7F Other	347C3R3	ND	2.79e-2	ng/dscm	7%O2	3.59e-10	lbs/hr	CE7%O2
7F Other	347C3R4	ND	1.97e-2	ng/dscm	7%O2	2.64e-10	lbs/hr	CE7%O2
7F Other	347C4R1	ND	2.92e-2	ng/dscm	7%O2	3.75e-10	lbs/hr	CE7%O2
7F Total	347C1R1		1.09e-2	ng/dscm	7%O2	1.23e-10	lbs/hr	OCE
7F Total	347C1R2		7.80e-3	ng/dscm	7%O2	9.09e-11	lbs/hr	OCE
7F Total	347C1R3		4.73e-3	ng/dscm	7%O2	5.02e-11	lbs/hr	OCE
7F Total	347C1R4		4.85e-3	ng/dscm	7%O2	5.07e-11	lbs/hr	OCE
7F Total	347C2R1		1.10e-2	ng/dscm	7%O2	1.21e-10	lbs/hr	OCE
7F Total	347C3R1		4.07e-2	ng/dscm	7%O2	5.80e-10	lbs/hr	OCE
7F Total	347C3R2		4.76e-2	ng/dscm	7%O2	6.26e-10	lbs/hr	OCE
7F Total	347C3R3		5.58e-2	ng/dscm	7%O2	7.18e-10	lbs/hr	OCE
7F Total	347C3R4		3.94e-2	ng/dscm	7%O2	5.28e-10	lbs/hr	OCE
7F Total	347C4R1		5.84e-2	ng/dscm	7%O2	7.51e-10	lbs/hr	OCE
8D	347C1R1	2	1.36e-2	ng/dscm	7%O2	1.53e-10	lbs/hr	CE7%O2
8D	347C1R2		1.30e-2	ng/dscm	7%O2	1.51e-10	lbs/hr	CE7%O2
8D	347C1R3		1.42e-2	ng/dscm	7%O2	1.51e-10	lbs/hr	CE7%O2
8D	347C1R4	2	9.70e-3	ng/dscm	7%O2	1.01e-10	lbs/hr	CE7%O2
8D	347C2R1		4.52e-2	ng/dscm	7%O2	4.94e-10	lbs/hr	CE7%O2
8D	347C3R1		1.22e-1	ng/dscm	7%O2	1.74e-9	lbs/hr	CE7%O2
8D	347C3R2		1.47e-1	ng/dscm	7%O2	1.93e-9	lbs/hr	CE7%O2
8D	347C3R3		2.31e-1	ng/dscm	7%O2	2.97e-9	lbs/hr	CE7%O2
8D	347C3R4		1.90e-1	ng/dscm	7%O2	2.54e-9	lbs/hr	CE7%O2
8D	347C4R1		1.38e-1	ng/dscm	7%O2	1.77e-9	lbs/hr	CE7%O2
8F	347C1R1	ND	4.55e-3	ng/dscm	7%O2	5.10e-11	lbs/hr	CE7%O2
8F	347C1R2	ND	2.17e-3	ng/dscm	7%O2	2.52e-11	lbs/hr	CE7%O2
8F	347C1R3	ND	2.37e-3	ng/dscm	7%O2	2.51e-11	lbs/hr	CE7%O2
8F	347C1R4	ND	2.43e-3	ng/dscm	7%O2	2.53e-11	lbs/hr	CE7%O2
8F	347C2R1	ND	3.01e-3	ng/dscm	7%O2	3.29e-11	lbs/hr	CE7%O2
8F	347C3R1	ND	3.70e-2	ng/dscm	7%O2	5.27e-10	lbs/hr	CE7%O2
8F	347C3R2	ND	3.97e-2	ng/dscm	7%O2	5.22e-10	lbs/hr	CE7%O2
8F	347C3R3	ND	7.98e-2	ng/dscm	7%O2	1.03e-9	lbs/hr	CE7%O2
8F	347C3R4	ND	3.95e-2	ng/dscm	7%O2	5.29e-10	lbs/hr	CE7%O2
8F	347C4R1	ND	4.17e-2	ng/dscm	7%O2	5.36e-10	lbs/hr	CE7%O2
TEQ	347C1R1		8.98e-3	ng/dscm	7%O2	1.01e-10	lbs/hr	CCET
TEQ	347C1R2		4.90e-3	ng/dscm	7%O2	5.71e-11	lbs/hr	CCET
TEQ	347C1R3		6.64e-3	ng/dscm	7%O2	7.04e-11	lbs/hr	CCET
TEQ	347C1R4		6.34e-3	ng/dscm	7%O2	6.62e-11	lbs/hr	CCET

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

TEQ	347C2R1	4.73e-3	ng/dscm	7%O2	5.17e-11	lbs/hr	CCET
TEQ	347C3R1	2.24e-2	ng/dscm	7%O2	3.19e-10	lbs/hr	CCET
TEQ	347C3R2	2.45e-2	ng/dscm	7%O2	3.22e-10	lbs/hr	CCET
TEQ	347C3R3	2.84e-2	ng/dscm	7%O2	3.65e-10	lbs/hr	CCET
TEQ	347C3R4	2.68e-2	ng/dscm	7%O2	3.58e-10	lbs/hr	CCET
TEQ	347C4R1	4.04e-2	ng/dscm	7%O2	5.20e-10	lbs/hr	CCET
Total PCDD/PCDF	347C1R1	9.41e-2	ng/dscm	7%O2	1.06e-9	lbs/hr	CCET
Total PCDD/PCDF	347C1R2	6.59e-2	ng/dscm	7%O2	7.67e-10	lbs/hr	CCET
Total PCDD/PCDF	347C1R3	6.30e-2	ng/dscm	7%O2	6.69e-10	lbs/hr	CCET
Total PCDD/PCDF	347C1R4	6.89e-2	ng/dscm	7%O2	7.20e-10	lbs/hr	CCET
Total PCDD/PCDF	347C2R1	1.32e-1	ng/dscm	7%O2	1.44e-9	lbs/hr	CCET
Total PCDD/PCDF	347C3R1	4.11e-1	ng/dscm	7%O2	5.85e-9	lbs/hr	CCET
Total PCDD/PCDF	347C3R2	4.57e-1	ng/dscm	7%O2	6.00e-9	lbs/hr	CCET
Total PCDD/PCDF	347C3R3	6.34e-1	ng/dscm	7%O2	8.15e-9	lbs/hr	CCET
Total PCDD/PCDF	347C3R4	4.97e-1	ng/dscm	7%O2	6.66e-9	lbs/hr	CCET
Total PCDD/PCDF	347C4R1	7.55e-1	ng/dscm	7%O2	9.70e-9	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc	
HCl	347C1R1	ND	7.91e-2	ppmv	1.34e-3	lbs/hr	CC7%O2
HCl	347C1R2	ND	7.90e-2	ppmv	1.39e-3	lbs/hr	CC7%O2
HCl	347C1R3	ND	7.55e-2	ppmv	1.21e-3	lbs/hr	CC7%O2
HCl	347C1R4	ND	1.35e+0	ppmv	2.13e-2	lbs/hr	CC7%O2
HCl	347C2R1	ND	7.46e-2	ppmv	1.23e-3	lbs/hr	CC7%O2
HCl	347C3R1	ND	1.71e-1	ppmv	3.67e-3	lbs/hr	CC7%O2
HCl	347C3R2	ND	1.11e-1	ppmv	2.20e-3	lbs/hr	CC7%O2
HCl	347C3R3	ND	3.51e+0	ppmv	6.82e-2	lbs/hr	CC7%O2
HCl	347C3R4	ND	2.57e+0	ppmv	5.19e-2	lbs/hr	CC7%O2
HCl	347C4R1	ND	4.43e+0	ppmv	8.61e-2	lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc	
Antimony	347C1R1	ND	6.62e-1	ug/dscm	7.42e-6	lbs/hr	CC7%O2
Antimony	347C1R2	ND	6.69e-1	ug/dscm	7.79e-6	lbs/hr	CC7%O2
Antimony	347C1R3	ND	7.37e-1	ug/dscm	7.81e-6	lbs/hr	CC7%O2
Antimony	347C1R4	ND	7.38e-1	ug/dscm	7.70e-6	lbs/hr	CC7%O2
Antimony	347C2R1	ND	6.81e-1	ug/dscm	7.43e-6	lbs/hr	CC7%O2
Antimony	347C3R1	ND	5.04e-1	ug/dscm	1.00e-5	lbs/hr	7%O2
Antimony	347C3R2	ND	5.15e-1	ug/dscm	9.92e-6	lbs/hr	7%O2
Antimony	347C3R3	ND	5.20e-1	ug/dscm	9.06e-6	lbs/hr	7%O2
Antimony	347C3R4	ND	5.09e-1	ug/dscm	1.02e-5	lbs/hr	7%O2
Antimony	347C4R1	ND	5.04e-1	ug/dscm	9.60e-6	lbs/hr	7%O2
Arsenic	347C1R1	ND	6.62e-1	ug/dscm	7.42e-6	lbs/hr	CC7%O2
Arsenic	347C1R2	ND	6.69e-1	ug/dscm	7.79e-6	lbs/hr	CC7%O2
Arsenic	347C1R3	ND	7.37e-1	ug/dscm	7.81e-6	lbs/hr	CC7%O2
Arsenic	347C1R4	ND	7.38e-1	ug/dscm	7.70e-6	lbs/hr	CC7%O2
Arsenic	347C2R1	ND	6.81e-1	ug/dscm	7.43e-6	lbs/hr	CC7%O2
Arsenic	347C3R1	ND	1.51e+0	ug/dscm	2.01e-5	lbs/hr	7%O2
Arsenic	347C3R2	ND	2.06e+0	ug/dscm	2.97e-5	lbs/hr	7%O2
Arsenic	347C3R3	ND	1.56e+0	ug/dscm	1.81e-5	lbs/hr	7%O2
Arsenic	347C3R4	ND	2.04e+0	ug/dscm	3.05e-5	lbs/hr	7%O2
Arsenic	347C4R1	ND	1.51e+0	ug/dscm	1.92e-5	lbs/hr	7%O2
Barium	347C1R1	ND	1.32e+0	ug/dscm	1.48e-5	lbs/hr	CC7%O2
Barium	347C1R2	ND	2.68e+0	ug/dscm	3.12e-5	lbs/hr	CC7%O2
Barium	347C1R3	ND	5.38e+1	ug/dscm	5.70e-4	lbs/hr	CC7%O2
Barium	347C1R4	ND	2.21e+0	ug/dscm	2.31e-5	lbs/hr	CC7%O2
Barium	347C2R1	ND	1.37e+0	ug/dscm	1.49e-5	lbs/hr	CC7%O2
Barium	347C3R1	ND	2.58e+1	ug/dscm	3.72e-4	lbs/hr	7%O2
Barium	347C3R2	ND	2.87e+1	ug/dscm	3.77e-4	lbs/hr	7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347 DEVICE NAME:

EPA ID: ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

Barium	347C3R3	2.21e+1	ug/dscm	7%O2	2.81e-4	lbs/hr	7%O2	
Barium	347C3R4	2.10e+1	ug/dscm	7%O2	2.85e-4	lbs/hr	7%O2	
Barium	347C4R1	3.04e+1	ug/dscm	7%O2	3.94e-4	lbs/hr	7%O2	
Beryllium	347C1R1	ND	2.65e-1	ug/dscm	7%O2	2.97e-6	lbs/hr	CC7%O2
Beryllium	347C1R2	ND	2.68e-1	ug/dscm	7%O2	3.12e-6	lbs/hr	CC7%O2
Beryllium	347C1R3	ND	2.94e-1	ug/dscm	7%O2	3.12e-6	lbs/hr	CC7%O2
Beryllium	347C1R4	ND	2.95e-1	ug/dscm	7%O2	3.08e-6	lbs/hr	CC7%O2
Beryllium	347C2R1	ND	2.72e-1	ug/dscm	7%O2	2.97e-6	lbs/hr	CC7%O2
Beryllium	347C3R1	ND	1.40e+0	ug/dscm	7%O2	2.01e-5	lbs/hr	7%O2
Beryllium	347C3R2	ND	1.51e+0	ug/dscm	7%O2	1.98e-5	lbs/hr	7%O2
Beryllium	347C3R3	ND	1.43e+0	ug/dscm	7%O2	1.81e-5	lbs/hr	7%O2
Beryllium	347C3R4	ND	1.50e+0	ug/dscm	7%O2	2.03e-5	lbs/hr	7%O2
Beryllium	347C4R1	ND	1.48e+0	ug/dscm	7%O2	1.92e-5	lbs/hr	7%O2
Cadmium	347C1R1	2.65e+0	ug/dscm	7%O2	2.97e-5	lbs/hr	CC7%O2	
Cadmium	347C1R2	2.54e+0	ug/dscm	7%O2	2.96e-5	lbs/hr	CC7%O2	
Cadmium	347C1R3	4.05e+0	ug/dscm	7%O2	4.29e-5	lbs/hr	CC7%O2	
Cadmium	347C1R4	1.40e+0	ug/dscm	7%O2	1.46e-5	lbs/hr	CC7%O2	
Cadmium	347C2R1	2.04e+0	ug/dscm	7%O2	2.23e-5	lbs/hr	CC7%O2	
Cadmium	347C3R1	3.03e+0	ug/dscm	7%O2	4.02e-5	lbs/hr	7%O2	
Cadmium	347C3R2	4.63e+0	ug/dscm	7%O2	5.95e-5	lbs/hr	7%O2	
Cadmium	347C3R3	3.64e+0	ug/dscm	7%O2	4.53e-5	lbs/hr	7%O2	
Cadmium	347C3R4	4.59e+0	ug/dscm	7%O2	6.20e-5	lbs/hr	7%O2	
Cadmium	347C4R1	1.01e+0	ug/dscm	7%O2	1.06e-5	lbs/hr	7%O2	
Chromium	347C1R1	5.30e+0	ug/dscm	7%O2	5.94e-5	lbs/hr	CC7%O2	
Chromium	347C1R2	3.35e+0	ug/dscm	7%O2	3.90e-5	lbs/hr	CC7%O2	
Chromium	347C1R3	5.89e+0	ug/dscm	7%O2	6.24e-5	lbs/hr	CC7%O2	
Chromium	347C1R4	7.38e+0	ug/dscm	7%O2	7.70e-5	lbs/hr	CC7%O2	
Chromium	347C2R1	6.13e+0	ug/dscm	7%O2	6.69e-5	lbs/hr	CC7%O2	
Chromium	347C3R1	2.98e+1	ug/dscm	7%O2	4.32e-4	lbs/hr	7%O2	
Chromium	347C3R2	5.56e+1	ug/dscm	7%O2	7.34e-4	lbs/hr	7%O2	
Chromium	347C3R3	1.77e+1	ug/dscm	7%O2	2.27e-4	lbs/hr	7%O2	
Chromium	347C3R4	6.62e+0	ug/dscm	7%O2	9.15e-5	lbs/hr	7%O2	
Chromium	347C4R1	1.31e+1	ug/dscm	7%O2	1.73e-4	lbs/hr	7%O2	
Chromium (Hex)	347C1R1	ND	5.03e-1	ug/dscm	7%O2	5.64e-6	lbs/hr	CC7%O2
Chromium (Hex)	347C1R2	ND	4.98e-1	ug/dscm	7%O2	5.80e-6	lbs/hr	CC7%O2
Chromium (Hex)	347C1R3	ND	5.42e-1	ug/dscm	7%O2	5.74e-6	lbs/hr	CC7%O2
Chromium (Hex)	347C1R4	ND	3.09e-1	ug/dscm	7%O2	3.23e-6	lbs/hr	CC7%O2
Chromium (Hex)	347C2R1	ND	5.69e-1	ug/dscm	7%O2	6.21e-6	lbs/hr	CC7%O2
Lead	347C1R1	6.62e+0	ug/dscm	7%O2	7.42e-5	lbs/hr	CC7%O2	
Lead	347C1R2	1.07e+1	ug/dscm	7%O2	1.25e-4	lbs/hr	CC7%O2	
Lead	347C1R3	ND	7.37e+0	ug/dscm	7%O2	7.81e-5	lbs/hr	CC7%O2
Lead	347C1R4	1.18e+1	ug/dscm	7%O2	1.23e-4	lbs/hr	CC7%O2	
Lead	347C2R1	1.16e+1	ug/dscm	7%O2	1.26e-4	lbs/hr	CC7%O2	
Lead	347C3R1	1.06e+1	ug/dscm	7%O2	1.51e-4	lbs/hr	7%O2	
Lead	347C3R2	1.49e+1	ug/dscm	7%O2	1.98e-4	lbs/hr	7%O2	
Lead	347C3R3	7.28e+0	ug/dscm	7%O2	9.06e-5	lbs/hr	7%O2	
Lead	347C3R4	ND	3.06e+0	ug/dscm	7%O2	4.07e-5	lbs/hr	7%O2
Lead	347C4R1	ND	3.03e+0	ug/dscm	7%O2	3.84e-5	lbs/hr	7%O2
Mercury	347C1R1	ND	1.99e+0	ug/dscm	7%O2	2.23e-5	lbs/hr	CC7%O2
Mercury	347C1R2	1.13e+1	ug/dscm	7%O2	1.32e-4	lbs/hr	CC7%O2	
Mercury	347C1R3	ND	1.47e+0	ug/dscm	7%O2	1.56e-5	lbs/hr	CC7%O2
Mercury	347C1R4	ND	1.48e+0	ug/dscm	7%O2	1.54e-5	lbs/hr	CC7%O2
Mercury	347C2R1	ND	3.41e+0	ug/dscm	7%O2	3.72e-5	lbs/hr	CC7%O2
Mercury	347C3R1	1.66e+1	ug/dscm	7%O2	2.41e-4	lbs/hr	7%O2	
Mercury	347C3R2	1.34e+1	ug/dscm	7%O2	1.78e-4	lbs/hr	7%O2	
Mercury	347C3R3	1.20e+1	ug/dscm	7%O2	1.54e-4	lbs/hr	7%O2	
Mercury	347C3R4	2.24e+1	ug/dscm	7%O2	3.05e-4	lbs/hr	7%O2	
Mercury	347C4R1	5.04e-1	ug/dscm	7%O2	4.80e-6	lbs/hr	7%O2	
Nickel	347C1R1	ND	6.62e+0	ug/dscm	7%O2	7.42e-5	lbs/hr	CC7%O2
Nickel	347C1R2	ND	6.69e+0	ug/dscm	7%O2	7.79e-5	lbs/hr	CC7%O2
Nickel	347C1R3	ND	7.37e+0	ug/dscm	7%O2	7.81e-5	lbs/hr	CC7%O2
Nickel	347C1R4	ND	7.38e+0	ug/dscm	7%O2	7.70e-5	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347 DEVICE NAME:

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

Nickel	347C2R1	ND	6.81e+0	ug/dscm	7%O2	7.43e-5	lbs/hr	CC7%O2
Nickel	347C3R1		1.51e+1	ug/dscm	7%O2	2.21e-4	lbs/hr	7%O2
Nickel	347C3R2		2.27e+1	ug/dscm	7%O2	2.97e-4	lbs/hr	7%O2
Nickel	347C3R3		1.09e+1	ug/dscm	7%O2	1.36e-4	lbs/hr	7%O2
Nickel	347C3R4		2.04e+1	ug/dscm	7%O2	2.74e-4	lbs/hr	7%O2
Nickel	347C4R1		9.58e+0	ug/dscm	7%O2	1.25e-4	lbs/hr	7%O2
Selenium	347C1R1	ND	6.62e-1	ug/dscm	7%O2	7.42e-6	lbs/hr	CC7%O2
Selenium	347C1R2	ND	6.69e-1	ug/dscm	7%O2	7.79e-6	lbs/hr	CC7%O2
Selenium	347C1R3	ND	7.37e-1	ug/dscm	7%O2	7.81e-6	lbs/hr	CC7%O2
Selenium	347C1R4	ND	7.38e-1	ug/dscm	7%O2	7.70e-6	lbs/hr	CC7%O2
Selenium	347C2R1	ND	1.50e+0	ug/dscm	7%O2	1.64e-5	lbs/hr	CC7%O2
Selenium	347C3R1	ND	5.04e-1	ug/dscm	7%O2	1.00e-5	lbs/hr	7%O2
Selenium	347C3R2	ND	5.15e-1	ug/dscm	7%O2	9.92e-6	lbs/hr	7%O2
Selenium	347C3R3	ND	5.20e-1	ug/dscm	7%O2	9.06e-6	lbs/hr	7%O2
Selenium	347C3R4	ND	3.06e+0	ug/dscm	7%O2	4.07e-5	lbs/hr	7%O2
Selenium	347C4R1	ND	5.04e-1	ug/dscm	7%O2	9.60e-6	lbs/hr	7%O2
Silver	347C1R1	ND	6.62e-1	ug/dscm	7%O2	7.42e-6	lbs/hr	CC7%O2
Silver	347C1R2	ND	6.69e-1	ug/dscm	7%O2	7.79e-6	lbs/hr	CC7%O2
Silver	347C1R3	ND	7.37e-1	ug/dscm	7%O2	7.81e-6	lbs/hr	CC7%O2
Silver	347C1R4	ND	7.38e-1	ug/dscm	7%O2	7.70e-6	lbs/hr	CC7%O2
Silver	347C2R1	ND	6.81e-1	ug/dscm	7%O2	7.43e-6	lbs/hr	CC7%O2
Silver	347C3R1		5.04e-1	ug/dscm	7%O2	1.00e-5	lbs/hr	7%O2
Silver	347C3R2		5.15e-1	ug/dscm	7%O2	9.92e-6	lbs/hr	7%O2
Silver	347C3R3	ND	5.20e-1	ug/dscm	7%O2	9.06e-6	lbs/hr	7%O2
Silver	347C3R4		3.06e+0	ug/dscm	7%O2	4.07e-5	lbs/hr	7%O2
Silver	347C4R1		1.51e+0	ug/dscm	7%O2	1.92e-5	lbs/hr	7%O2
Thallium	347C1R1	ND	6.62e+0	ug/dscm	7%O2	7.42e-5	lbs/hr	CC7%O2
Thallium	347C1R2	ND	6.69e+0	ug/dscm	7%O2	7.79e-5	lbs/hr	CC7%O2
Thallium	347C1R3	ND	7.37e+0	ug/dscm	7%O2	7.81e-5	lbs/hr	CC7%O2
Thallium	347C1R4	ND	7.38e+0	ug/dscm	7%O2	7.70e-5	lbs/hr	CC7%O2
Thallium	347C2R1	ND	6.81e+0	ug/dscm	7%O2	7.43e-5	lbs/hr	CC7%O2
Thallium	347C3R1	ND	6.96e+0	ug/dscm	7%O2	1.00e-4	lbs/hr	7%O2
Thallium	347C3R2	ND	7.52e+0	ug/dscm	7%O2	9.92e-5	lbs/hr	7%O2
Thallium	347C3R3	ND	7.13e+0	ug/dscm	7%O2	9.06e-5	lbs/hr	7%O2
Thallium	347C3R4	ND	7.49e+0	ug/dscm	7%O2	1.02e-4	lbs/hr	7%O2
Thallium	347C4R1	ND	7.41e+0	ug/dscm	7%O2	9.60e-5	lbs/hr	7%O2

7. Category: PAH

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Fluoranthene	347C1R1	ND	3.99e+2	ng/dscm	4.47e-6	lbs/hr
Fluoranthene	347C1R2	ND	3.87e+2	ng/dscm	4.50e-6	lbs/hr
Fluoranthene	347C1R3	ND	6.77e+2	ng/dscm	7.18e-6	lbs/hr
Fluoranthene	347C1R4		4.70e+3	ng/dscm	4.91e-5	lbs/hr
Fluoranthene	347C2R1	ND	3.26e+2	ng/dscm	3.56e-6	lbs/hr
Phenanthrene	347C1R1	ND	5.58e+2	ng/dscm	6.26e-6	lbs/hr
Phenanthrene	347C1R2	ND	5.46e+2	ng/dscm	6.35e-6	lbs/hr
Phenanthrene	347C1R3	ND	8.80e+2	ng/dscm	9.33e-6	lbs/hr
Phenanthrene	347C1R4		3.14e+3	ng/dscm	3.28e-5	lbs/hr
Phenanthrene	347C2R1		7.76e+2	ng/dscm	8.46e-6	lbs/hr
Pyrene	347C1R1	ND	3.24e+2	ng/dscm	3.63e-6	lbs/hr
Pyrene	347C1R2	ND	3.01e+2	ng/dscm	3.50e-6	lbs/hr
Pyrene	347C1R3	ND	5.99e+2	ng/dscm	6.35e-6	lbs/hr
Pyrene	347C1R4		5.28e+3	ng/dscm	5.51e-5	lbs/hr
Pyrene	347C2R1	ND	2.72e+2	ng/dscm	2.97e-6	lbs/hr

7. Category: Particulate

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Particulate	347C1R1		8.02e-3	gr/dscf	2.06e-1	lbs/hr
Particulate	347C1R2		1.35e-2	gr/dscf	3.60e-1	lbs/hr

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

Particulate	347C1R3	1.19e-2	gr/dscf	7%O2	2.89e-1	lbs/hr	CE
Particulate	347C1R4	1.32e-2	gr/dscf	7%O2	3.15e-1	lbs/hr	CE
Particulate	347C2R1	2.55e-3	gr/dscf	7%O2	6.37e-2	lbs/hr	CE
Particulate	347C3R1	1.52e-2	gr/dscf	7%O2	4.66e-1	lbs/hr	7%O2
Particulate	347C3R2	1.44e-2	gr/dscf	7%O2	4.40e-1	lbs/hr	7%O2
Particulate	347C3R3	4.36e-3	gr/dscf	7%O2	1.32e-1	lbs/hr	7%O2
Particulate	347C3R4	1.01e-2	gr/dscf	7%O2	2.95e-1	lbs/hr	7%O2
Particulate	347C4R1	5.86e-4	gr/dscf	7%O2	1.70e-2	lbs/hr	7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc	
2,4,6-Trinitrotoluene	347C1R1	ND	1.25e+3	ng/dscm	7%O2	1.40e-5 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C1R2	ND	1.27e+3	ng/dscm	7%O2	1.48e-5 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C1R3	ND	1.23e+3	ng/dscm	7%O2	1.30e-5 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C1R4	ND	1.28e+3	ng/dscm	7%O2	1.34e-5 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C2R1	ND	1.12e+3	ng/dscm	7%O2	1.23e-5 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C3R1	ND	1.98e+5	ng/dscm	7%O2	2.82e-3 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C3R2	ND	2.29e+5	ng/dscm	7%O2	3.01e-3 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C3R3	ND	2.29e+5	ng/dscm	7%O2	2.94e-3 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C3R4	ND	2.23e+5	ng/dscm	7%O2	2.99e-3 lbs/hr	CE7%O2
2,4,6-Trinitrotoluene	347C4R1	ND	2.30e+5	ng/dscm	7%O2	2.96e-3 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C1R1	ND	1.25e+3	ng/dscm	7%O2	1.40e-5 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C1R2	ND	1.22e+3	ng/dscm	7%O2	1.42e-5 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C1R3	ND	1.23e+3	ng/dscm	7%O2	1.30e-5 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C1R4	ND	1.34e+3	ng/dscm	7%O2	1.40e-5 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C2R1	ND	1.12e+3	ng/dscm	7%O2	1.23e-5 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C3R1	ND	1.98e+5	ng/dscm	7%O2	2.82e-3 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C3R2	ND	2.29e+5	ng/dscm	7%O2	3.01e-3 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C3R3	ND	2.29e+5	ng/dscm	7%O2	2.94e-3 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C3R4	ND	2.23e+5	ng/dscm	7%O2	2.99e-3 lbs/hr	CE7%O2
2,4-Dinitrotoluene	347C4R1	ND	2.30e+5	ng/dscm	7%O2	2.96e-3 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C1R1	ND	1.25e+3	ng/dscm	7%O2	1.40e-5 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C1R2	ND	1.22e+3	ng/dscm	7%O2	1.42e-5 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C1R3	ND	1.23e+3	ng/dscm	7%O2	1.30e-5 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C1R4	ND	1.34e+3	ng/dscm	7%O2	1.40e-5 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C2R1	ND	1.12e+3	ng/dscm	7%O2	1.23e-5 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C3R1	ND	1.98e+5	ng/dscm	7%O2	2.82e-3 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C3R2	ND	2.29e+5	ng/dscm	7%O2	3.01e-3 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C3R3	ND	2.29e+5	ng/dscm	7%O2	2.94e-3 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C3R4	ND	2.23e+5	ng/dscm	7%O2	2.99e-3 lbs/hr	CE7%O2
2,6-Dinitrotoluene	347C4R1	ND	2.30e+5	ng/dscm	7%O2	2.96e-3 lbs/hr	CE7%O2
Benzoic acid	347C1R1		1.29e+5	ng/dscm	7%O2	1.45e-3 lbs/hr	CC7%O2
Benzoic acid	347C1R2		1.19e+5	ng/dscm	7%O2	1.39e-3 lbs/hr	CC7%O2
Benzoic acid	347C1R3		1.15e+5	ng/dscm	7%O2	1.22e-3 lbs/hr	CC7%O2
Benzoic acid	347C1R4		1.03e+5	ng/dscm	7%O2	1.08e-3 lbs/hr	CC7%O2
Benzoic acid	347C2R1		1.63e+5	ng/dscm	7%O2	1.78e-3 lbs/hr	CC7%O2
Benzoic acid	347C3R1		2.73e+5	ng/dscm	7%O2	3.82e-3 lbs/hr	7%O2
Benzoic acid	347C3R2		1.02e+5	ng/dscm	7%O2	1.32e-3 lbs/hr	7%O2
Benzoic acid	347C3R3		2.77e+5	ng/dscm	7%O2	3.55e-3 lbs/hr	7%O2
Benzoic acid	347C3R4		2.61e+5	ng/dscm	7%O2	3.41e-3 lbs/hr	7%O2
Benzoic acid	347C4R1		1.86e+5	ng/dscm	7%O2	2.36e-3 lbs/hr	7%O2
bis(2-ethylexyl) Phthalate	347C1R1		4.26e+3	ng/dscm	7%O2	4.78e-5 lbs/hr	CC7%O2
bis(2-ethylexyl) Phthalate	347C1R2		3.29e+3	ng/dscm	7%O2	3.83e-5 lbs/hr	CC7%O2
bis(2-ethylexyl) Phthalate	347C1R3		9.41e+3	ng/dscm	7%O2	9.97e-5 lbs/hr	CC7%O2
bis(2-ethylexyl) Phthalate	347C1R4		2.59e+4	ng/dscm	7%O2	2.70e-4 lbs/hr	CC7%O2
bis(2-ethylexyl) Phthalate	347C2R1		8.85e+6	ng/dscm	7%O2	9.65e-2 lbs/hr	CC7%O2
bis(2-ethylexyl) Phthalate	347C3R1	ND	7.56e+3	ng/dscm	7%O2	1.03e-4 lbs/hr	7%O2
bis(2-ethylexyl) Phthalate	347C3R2		1.29e+4	ng/dscm	7%O2	1.67e-4 lbs/hr	7%O2
bis(2-ethylexyl) Phthalate	347C3R3	ND	7.80e+3	ng/dscm	7%O2	1.02e-4 lbs/hr	7%O2
bis(2-ethylexyl) Phthalate	347C3R4	ND	7.64e+3	ng/dscm	7%O2	1.02e-4 lbs/hr	7%O2
bis(2-ethylexyl) Phthalate	347C4R1		3.33e+4	ng/dscm	7%O2	4.27e-4 lbs/hr	7%O2

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SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY
 2. STATE: UT
 3. CITY: TOOELE
 4. EP ID: 347

EPA ?
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 8
 APC SYSTEM: C/QC/VS/S/DM

Butylbenzylphthalate	347C1R1	ND	5.67e+2	ng/dscm	7%O2	6.36e-6	lbs/hr	CC7%O2
Butylbenzylphthalate	347C1R2	ND	5.29e+2	ng/dscm	7%O2	6.15e-6	lbs/hr	CC7%O2
Butylbenzylphthalate	347C1R3	ND	1.06e+3	ng/dscm	7%O2	1.12e-5	lbs/hr	CC7%O2
Butylbenzylphthalate	347C1R4	ND	1.37e+3	ng/dscm	7%O2	1.43e-5	lbs/hr	CC7%O2
Butylbenzylphthalate	347C2R1	ND	2.23e+3	ng/dscm	7%O2	2.43e-5	lbs/hr	CC7%O2
di-n-Butyl Phthalate	347C3R1	ND	7.56e+3	ng/dscm	7%O2	1.03e-4	lbs/hr	7%O2
di-n-Butyl Phthalate	347C3R2	ND	1.54e+4	ng/dscm	7%O2	1.97e-4	lbs/hr	7%O2
di-n-Butyl Phthalate	347C3R3	ND	7.80e+3	ng/dscm	7%O2	1.02e-4	lbs/hr	7%O2
di-n-Butyl Phthalate	347C3R4	ND	7.64e+3	ng/dscm	7%O2	1.02e-4	lbs/hr	7%O2
di-n-Butyl Phthalate	347C4R1	ND	8.57e+3	ng/dscm	7%O2	1.07e-4	lbs/hr	7%O2
di-n-Octyl Phthalate	347C1R1	ND	3.02e+2	ng/dscm	7%O2	3.38e-6	lbs/hr	CC7%O2
di-n-Octyl Phthalate	347C1R2	ND	2.84e+2	ng/dscm	7%O2	3.30e-6	lbs/hr	CC7%O2
di-n-Octyl Phthalate	347C1R3	ND	5.53e+2	ng/dscm	7%O2	5.86e-6	lbs/hr	CC7%O2
di-n-Octyl Phthalate	347C1R4	ND	2.44e+4	ng/dscm	7%O2	2.55e-4	lbs/hr	CC7%O2
di-n-Octyl Phthalate	347C2R1	ND	3.13e+2	ng/dscm	7%O2	3.41e-6	lbs/hr	CC7%O2
Diethylphthalate	347C1R1	ND	3.09e+3	ng/dscm	7%O2	3.46e-5	lbs/hr	CC7%O2
Diethylphthalate	347C1R2	ND	2.18e+3	ng/dscm	7%O2	2.54e-5	lbs/hr	CC7%O2
Diethylphthalate	347C1R3	ND	9.81e+2	ng/dscm	7%O2	1.04e-5	lbs/hr	CC7%O2
Diethylphthalate	347C1R4	ND	1.21e+3	ng/dscm	7%O2	1.26e-5	lbs/hr	CC7%O2
Diethylphthalate	347C2R1	ND	7.82e+3	ng/dscm	7%O2	8.53e-5	lbs/hr	CC7%O2
Phenol	347C1R1	ND	3.24e+3	ng/dscm	7%O2	3.63e-5	lbs/hr	CC7%O2
Phenol	347C1R2	ND	3.28e+3	ng/dscm	7%O2	3.82e-5	lbs/hr	CC7%O2
Phenol	347C1R3	ND	2.61e+3	ng/dscm	7%O2	2.77e-5	lbs/hr	CC7%O2
Phenol	347C1R4	ND	2.89e+3	ng/dscm	7%O2	3.02e-5	lbs/hr	CC7%O2
Phenol	347C2R1	ND	6.53e+3	ng/dscm	7%O2	7.12e-5	lbs/hr	CC7%O2
Phenol	347C3R1	ND	1.06e+4	ng/dscm	7%O2	1.49e-4	lbs/hr	7%O2
Phenol	347C3R2	ND	7.72e+3	ng/dscm	7%O2	1.03e-4	lbs/hr	7%O2
Phenol	347C3R3	ND	7.80e+3	ng/dscm	7%O2	1.02e-4	lbs/hr	7%O2
Phenol	347C3R4	ND	7.64e+3	ng/dscm	7%O2	1.02e-4	lbs/hr	7%O2
Phenol	347C4R1	ND	8.57e+3	ng/dscm	7%O2	1.07e-4	lbs/hr	7%O2
VX-Nerve Agent	347C1R1	ND	1.54e+2	ng/dscm	7%O2	1.73e-6	lbs/hr	CC7%O2
VX-Nerve Agent	347C1R2	ND	1.52e+2	ng/dscm	7%O2	1.77e-6	lbs/hr	CC7%O2
VX-Nerve Agent	347C1R3	ND	1.54e+2	ng/dscm	7%O2	1.63e-6	lbs/hr	CC7%O2
VX-Nerve Agent	347C1R4	ND	1.59e+2	ng/dscm	7%O2	1.66e-6	lbs/hr	CC7%O2
VX-Nerve Agent	347C2R1	ND	1.47e+2	ng/dscm	7%O2	1.60e-6	lbs/hr	CC7%O2

5. Type: UNCONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: SECONDARY EXIT Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	347C1R1	4.69e+1 ppmv 7%O2	7.02e-1 lbs/hr	CC7%O2
HCl	347C1R2	9.18e+1 ppmv 7%O2	1.34e+0 lbs/hr	CC7%O2
HCl	347C1R3	5.06e+1 ppmv 7%O2	6.82e-1 lbs/hr	CC7%O2
HCl	347C1R4	7.48e+1 ppmv 7%O2	9.34e-1 lbs/hr	CC7%O2
HCl	347C2R1	1.91e+0 ppmv 7%O2	2.90e-2 lbs/hr	CC7%O2
HCl	347C3R1	1.37e+3 ppmv 7%O2	1.83e+1 lbs/hr	CC7%O2
HCl	347C3R2	1.09e+3 ppmv 7%O2	1.81e+1 lbs/hr	CC7%O2
HCl	347C3R3	1.13e+3 ppmv 7%O2	1.79e+1 lbs/hr	CC7%O2
HCl	347C3R4	6.59e+2 ppmv 7%O2	1.04e+1 lbs/hr	CC7%O2
HCl	347C4R1	1.53e+2 ppmv 7%O2	2.26e+0 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	347C1R1	4.58e-1 gr/dscf 7%O2	1.04e+1 lbs/hr	CE
Particulate	347C1R2	4.28e-1 gr/dscf 7%O2	9.47e+0 lbs/hr	CE
Particulate	347C1R3	5.78e-1 gr/dscf 7%O2	1.18e+1 lbs/hr	CE
Particulate	347C1R4	4.93e-1 gr/dscf 7%O2	9.32e+0 lbs/hr	CE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ARMY

2. STATE: UT

3. CITY: TOOELE

EPA ID: ?

REGION: 8

4. EP ID: 347 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: C/QC/VS/S/DM

Particulate	347C2R1	3.68e-2	gr/dscf	7%O2	8.48e-1	lbs/hr	CE
Particulate	347C3R1	1.78e-1	gr/dscf	7%O2	3.60e+0	lbs/hr	7%O2
Particulate	347C3R2	8.71e-2	gr/dscf	7%O2	2.18e+0	lbs/hr	7%O2
Particulate	347C3R3	1.54e-1	gr/dscf	7%O2	3.70e+0	lbs/hr	7%O2
Particulate	347C3R4	1.49e-1	gr/dscf	7%O2	3.56e+0	lbs/hr	7%O2
Particulate	347C4R1	8.18e-2	gr/dscf	7%O2	1.83e+0	lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DEPARTMENT OF ENERGY
 2. STATE: TN
 3. CITY: OAK RIDGE EPA TN0890090004 REGION: 4
 4. EP ID: 357 DEVICE NAME: K-25 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/PT/IWS

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	357C1R1	9.58e+0 ppmv 7%O2	3.20e-1 lbs/hr	CE7%O2
HCl	357C1R2	6.79e+0 ppmv 7%O2	2.30e-1 lbs/hr	CE7%O2
HCl	357C1R3	ND 4.52e+0 ppmv 7%O2	1.60e-1 lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	357C1R1	3.27e-2 gr/dscf 7%O2	1.66e+0 lbs/hr	CE
Particulate	357C1R2	2.44e-2 gr/dscf 7%O2	1.25e+0 lbs/hr	CE
Particulate	357C1R3	1.77e-2 gr/dscf 7%O2	9.50e-1 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	357C1R2	1.60e+1 ppmv 7%O2	4.17e-1 lbs/hr	CE
CO	357C1R3	6.00e+0 ppmv 7%O2	1.63e-1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	357C1R1	ND 7.78e+4 ng/dscm 7%O2	1.72e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	357C1R2	ND 5.68e+4 ng/dscm 7%O2	1.27e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	357C1R3	ND 8.82e+4 ng/dscm 7%O2	2.07e-3 lbs/hr	CE7%O2
Trichlorofluoromethane	357C1R1	5.66e+4 ng/dscm 7%O2	1.25e-3 lbs/hr	CE7%O2
Trichlorofluoromethane	357C1R2	3.48e+5 ng/dscm 7%O2	7.80e-3 lbs/hr	CE7%O2
Trichlorofluoromethane	357C1R3	1.49e+5 ng/dscm 7%O2	3.49e-3 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: LA
 3. CITY: PLAQUEMINE
 4. EP ID: 808 DEVICE NAME: I-300

EPA ID: LAD008187080
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 6
 APC SYSTEM: QT/PBS/ESP

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	808C1R2	1.82e-2 ng/dscm 7%O2	1.01e-9 lbs/hr	CE7%O2
4D 2378	808C1R3	3.45e-2 ng/dscm 7%O2	1.90e-9 lbs/hr	CE7%O2
4D Other	808C1R2	1.47e+0 ng/dscm 7%O2	8.16e-8 lbs/hr	OCE
4D Other	808C1R3	1.78e+0 ng/dscm 7%O2	9.83e-8 lbs/hr	OCE
4D Total	808C1R2	1.49e+0 ng/dscm 7%O2	8.26e-8 lbs/hr	CE7%O2
4D Total	808C1R3	1.82e+0 ng/dscm 7%O2	1.00e-7 lbs/hr	CE7%O2
4F 2378	808C1R2	6.18e-2 ng/dscm 7%O2	3.42e-9 lbs/hr	CE7%O2
4F 2378	808C1R3	9.82e-2 ng/dscm 7%O2	5.41e-9 lbs/hr	CE7%O2
4F Other	808C1R2	7.03e+0 ng/dscm 7%O2	3.89e-7 lbs/hr	OCE
4F Other	808C1R3	7.54e+0 ng/dscm 7%O2	4.15e-7 lbs/hr	OCE
4F Total	808C1R2	7.09e+0 ng/dscm 7%O2	3.93e-7 lbs/hr	CE7%O2
4F Total	808C1R3	7.64e+0 ng/dscm 7%O2	4.21e-7 lbs/hr	CE7%O2
5D 12378	808C1R2	ND 7.27e-2 ng/dscm 7%O2	4.03e-9 lbs/hr	CE7%O2
5D 12378	808C1R3	ND 7.27e-2 ng/dscm 7%O2	4.01e-9 lbs/hr	CE7%O2
5D Other	808C1R2	3.64e-2 ng/dscm 7%O2	2.01e-9 lbs/hr	OCE
5D Other	808C1R3	2.18e-1 ng/dscm 7%O2	1.20e-8 lbs/hr	OCE
5D Total	808C1R2	1.09e-1 ng/dscm 7%O2	6.04e-9 lbs/hr	CE7%O2
5D Total	808C1R3	2.91e-1 ng/dscm 7%O2	1.60e-8 lbs/hr	CE7%O2
5F 2378	808C1R2	9.45e-2 ng/dscm 7%O2	5.24e-9 lbs/hr	CE7%O2
5F 2378	808C1R3	1.31e-1 ng/dscm 7%O2	7.21e-9 lbs/hr	CE7%O2
5F Other	808C1R2	9.60e-1 ng/dscm 7%O2	5.32e-8 lbs/hr	OCE
5F Other	808C1R3	1.69e+0 ng/dscm 7%O2	9.30e-8 lbs/hr	OCE
5F Total	808C1R2	1.05e+0 ng/dscm 7%O2	5.84e-8 lbs/hr	CE7%O2
5F Total	808C1R3	1.82e+0 ng/dscm 7%O2	1.00e-7 lbs/hr	CE7%O2
6D 2378	808C1R2	ND 9.09e-2 ng/dscm 7%O2	5.03e-9 lbs/hr	CE7%O2
6D 2378	808C1R3	ND 7.27e-2 ng/dscm 7%O2	4.01e-9 lbs/hr	CE7%O2
6D Other	808C1R2	0.00e+0	8.08e-28 lbs/hr	OCE
6D Other	808C1R3	0.00e+0	8.08e-28 lbs/hr	OCE
6D Total	808C1R2	ND 9.09e-2 ng/dscm 7%O2	5.03e-9 lbs/hr	CE7%O2
6D Total	808C1R3	ND 7.27e-2 ng/dscm 7%O2	4.01e-9 lbs/hr	CE7%O2
6F 2378	808C1R2	1.04e-1 ng/dscm 7%O2	5.74e-9 lbs/hr	CE7%O2
6F 2378	808C1R3	2.00e-1 ng/dscm 7%O2	1.10e-8 lbs/hr	CE7%O2
6F Other	808C1R2	7.82e-2 ng/dscm 7%O2	4.33e-9 lbs/hr	OCE
6F Other	808C1R3	4.18e-1 ng/dscm 7%O2	2.30e-8 lbs/hr	OCE
6F Total	808C1R2	1.82e-1 ng/dscm 7%O2	1.01e-8 lbs/hr	CE7%O2
6F Total	808C1R3	6.18e-1 ng/dscm 7%O2	3.41e-8 lbs/hr	CE7%O2
7D 1234678	808C1R2	ND 1.45e-1 ng/dscm 7%O2	8.05e-9 lbs/hr	CE7%O2
7D 1234678	808C1R3	ND 1.09e-1 ng/dscm 7%O2	6.01e-9 lbs/hr	CE7%O2
7D Other	808C1R2	0.00e+0	0.00e+0	OCE
7D Other	808C1R3	0.00e+0	0.00e+0	OCE
7D Total	808C1R2	ND 1.45e-1 ng/dscm 7%O2	8.05e-9 lbs/hr	CE7%O2
7D Total	808C1R3	ND 1.09e-1 ng/dscm 7%O2	6.01e-9 lbs/hr	CE7%O2
7F 2378	808C1R2	1.09e-1 ng/dscm 7%O2	6.04e-9 lbs/hr	CE7%O2
7F 2378	808C1R3	2.36e-1 ng/dscm 7%O2	1.30e-8 lbs/hr	CE7%O2
7F Other	808C1R2	0.00e+0	4.04e-28 lbs/hr	OCE
7F Other	808C1R3	0.00e+0	1.62e-27 lbs/hr	OCE
7F Total	808C1R2	1.09e-1 ng/dscm 7%O2	6.04e-9 lbs/hr	CE7%O2
7F Total	808C1R3	2.36e-1 ng/dscm 7%O2	1.30e-8 lbs/hr	CE7%O2
8D	808C1R2	4.91e-1 ng/dscm 7%O2	2.72e-8 lbs/hr	CE7%O2
8D	808C1R3	6.18e-1 ng/dscm 7%O2	3.41e-8 lbs/hr	CE7%O2
8F	808C1R2	ND 4.18e-1 ng/dscm 7%O2	2.32e-8 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: LA
 3. CITY: PLAQUEMINE
 4. EP ID: 808 DEVICE NAME: I-300

EPA ID: LAD008187080
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 6
 APC SYSTEM: QT/PBS/ESP

8F	808C1R3	ND	2.55e-1	ng/dscm	7%O2	1.40e-8	lbs/hr	CE7%O2
TEQ	808C1R2		1.31e-1	ng/dscm	7%O2	7.25e-9	lbs/hr	CCET
TEQ	808C1R3		1.78e-1	ng/dscm	7%O2	9.80e-9	lbs/hr	CCET
Total PCDD/PCDF	808C1R2		1.12e+1	ng/dscm	7%O2	6.19e-7	lbs/hr	CCET
Total PCDD/PCDF	808C1R3		1.35e+1	ng/dscm	7%O2	7.42e-7	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
HBr	808C1R1		2.18e+1	ppmv	7%O2	4.29e+0 lbs/hr CE7%O2
HBr	808C1R2		1.92e+1	ppmv	7%O2	3.56e+0 lbs/hr CE7%O2
HBr	808C1R3		2.58e+1	ppmv	7%O2	4.77e+0 lbs/hr CE7%O2
HBr	808C2R1		1.13e+1	ppmv	7%O2	2.87e+0 lbs/hr CE7%O2
HBr	808C2R2		1.31e+1	ppmv	7%O2	3.20e+0 lbs/hr CE7%O2
HBr	808C2R3		2.13e+1	ppmv	7%O2	4.77e+0 lbs/hr CE7%O2
HCl	808C1R1		9.44e-1	ppmv	7%O2	8.36e-2 lbs/hr CE7%O2
HCl	808C1R2		2.78e-1	ppmv	7%O2	2.32e-2 lbs/hr CE7%O2
HCl	808C1R3		6.87e-1	ppmv	7%O2	5.73e-2 lbs/hr CE7%O2
HCl	808C2R1		1.48e-1	ppmv	7%O2	1.69e-2 lbs/hr CE7%O2
HCl	808C2R2		6.20e-1	ppmv	7%O2	6.84e-2 lbs/hr CE7%O2
HCl	808C2R3		8.03e-2	ppmv	7%O2	8.10e-3 lbs/hr CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Particulate	808C1R1		5.97e-2	gr/dscf	7%O2	8.00e+0 lbs/hr CE7%O2
Particulate	808C1R2		1.34e-2	gr/dscf	7%O2	1.70e+0 lbs/hr CE7%O2
Particulate	808C1R3		8.90e-3	gr/dscf	7%O2	1.12e+0 lbs/hr CE7%O2
Particulate	808C2R1		6.71e-3	gr/dscf	7%O2	1.17e+0 lbs/hr CE7%O2
Particulate	808C2R2		8.25e-3	gr/dscf	7%O2	1.38e+0 lbs/hr CE7%O2
Particulate	808C2R3		1.78e-2	gr/dscf	7%O2	2.71e+0 lbs/hr CE7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
CO	808C1R1		4.87e+2	ppmv	7%O2	3.32e+1 lbs/hr CE7%O2
CO	808C1R2		2.91e+1	ppmv	7%O2	1.87e+0 lbs/hr CE7%O2
CO	808C1R3		8.91e+1	ppmv	7%O2	5.70e+0 lbs/hr CE7%O2
CO	808C2R1	ND	1.20e+1	ppmv	7%O2	1.05e+0 lbs/hr CE7%O2
CO	808C2R2	ND	1.25e+1	ppmv	7%O2	1.06e+0 lbs/hr CE7%O2
CO	808C2R3	ND	1.36e+1	ppmv	7%O2	1.05e+0 lbs/hr CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Carbon Tetrachloride	808C1R1		8.37e+4	ng/dscm	7%O2	4.90e-3 lbs/hr CC7%O2
Carbon Tetrachloride	808C1R2		5.42e+3	ng/dscm	7%O2	3.00e-4 lbs/hr CC7%O2
Carbon Tetrachloride	808C1R3		1.45e+4	ng/dscm	7%O2	8.00e-4 lbs/hr CC7%O2
Carbon Tetrachloride	808C2R1		3.30e+4	ng/dscm	7%O2	2.50e-3 lbs/hr CC7%O2
Carbon Tetrachloride	808C2R2		6.04e+4	ng/dscm	7%O2	4.40e-3 lbs/hr CC7%O2
Carbon Tetrachloride	808C2R3		3.30e+4	ng/dscm	7%O2	2.20e-3 lbs/hr CC7%O2
o-Dichlorobenzene	808C1R1	ND	4.78e+3	ng/dscm	7%O2	2.80e-4 lbs/hr CC7%O2
o-Dichlorobenzene	808C1R2	ND	1.63e+3	ng/dscm	7%O2	9.00e-5 lbs/hr CC7%O2
o-Dichlorobenzene	808C1R3		2.36e+3	ng/dscm	7%O2	1.30e-4 lbs/hr CC7%O2
o-Dichlorobenzene	808C2R1	ND	1.19e+3	ng/dscm	7%O2	9.00e-5 lbs/hr CC7%O2
o-Dichlorobenzene	808C2R2	ND	1.24e+3	ng/dscm	7%O2	9.00e-5 lbs/hr CC7%O2
o-Dichlorobenzene	808C2R3	ND	1.35e+3	ng/dscm	7%O2	9.00e-5 lbs/hr CC7%O2
Tetrachloroethene	808C1R1		6.49e+5	ng/dscm	7%O2	3.80e-2 lbs/hr CC7%O2
Tetrachloroethene	808C1R2		7.23e+3	ng/dscm	7%O2	4.00e-4 lbs/hr CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: LA

3. CITY: PLAQUEMINE

EPA LAD008187080

REGION: 6

4. EP ID: 808 DEVICE NAME: I-300

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/PBS/ESP

Tetrachloroethene	808C1R3	1.27e+4	ng/dscm	7%O2	7.00e-4	lbs/hr	CC7%O2
Tetrachloroethene	808C2R1	2.64e+3	ng/dscm	7%O2	2.00e-4	lbs/hr	CC7%O2
Tetrachloroethene	808C2R2	1.37e+3	ng/dscm	7%O2	1.00e-4	lbs/hr	CC7%O2
Tetrachloroethene	808C2R3	4.50e+3	ng/dscm	7%O2	3.00e-4	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

EPA ID: MID000724724

REGION: 5

4. EP ID: 353 DEVICE NAME: UNIT 703

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	353C2R2	3.94e-2 ng/dscm 7%O2	0.00e+0	7%O2
4D 2378	353C2R3	1.39e-1 ng/dscm 7%O2	0.00e+0	7%O2
4D 2378	353C2R4	4.93e-2 ng/dscm 7%O2	0.00e+0	7%O2
4D Other	353C2R2	3.90e+0 ng/dscm 7%O2	0.00e+0	CCE
4D Other	353C2R3	6.72e+0 ng/dscm 7%O2	0.00e+0	CCE
4D Other	353C2R4	4.36e+0 ng/dscm 7%O2	0.00e+0	CCE
4D Total	353C2R2	3.94e+0 ng/dscm 7%O2	0.00e+0	7%O2
4D Total	353C2R3	6.85e+0 ng/dscm 7%O2	0.00e+0	7%O2
4D Total	353C2R4	4.41e+0 ng/dscm 7%O2	0.00e+0	7%O2
4F 2378	353C2R2	2.85e-2 ng/dscm 7%O2	0.00e+0	7%O2
4F 2378	353C2R3	5.40e-2 ng/dscm 7%O2	0.00e+0	7%O2
4F 2378	353C2R4	3.37e-2 ng/dscm 7%O2	0.00e+0	7%O2
4F Other	353C2R2	6.11e+1 ng/dscm 7%O2	0.00e+0	CCE
4F Other	353C2R3	1.21e+2 ng/dscm 7%O2	0.00e+0	CCE
4F Other	353C2R4	9.33e+1 ng/dscm 7%O2	0.00e+0	CCE
4F Total	353C2R2	6.12e+1 ng/dscm 7%O2	0.00e+0	7%O2
4F Total	353C2R3	1.21e+2 ng/dscm 7%O2	0.00e+0	7%O2
4F Total	353C2R4	9.33e+1 ng/dscm 7%O2	0.00e+0	7%O2
5D 12378	353C2R2	2.31e-2 ng/dscm 7%O2	0.00e+0	7%O2
5D 12378	353C2R3	4.23e-2 ng/dscm 7%O2	0.00e+0	7%O2
5D 12378	353C2R4	2.85e-2 ng/dscm 7%O2	0.00e+0	7%O2
5D Other	353C2R2	6.16e-1 ng/dscm 7%O2	0.00e+0	CCE
5D Other	353C2R3	6.58e-1 ng/dscm 7%O2	0.00e+0	CCE
5D Other	353C2R4	8.66e-1 ng/dscm 7%O2	0.00e+0	CCE
5D Total	353C2R2	6.39e-1 ng/dscm 7%O2	0.00e+0	7%O2
5D Total	353C2R3	7.00e-1 ng/dscm 7%O2	0.00e+0	7%O2
5D Total	353C2R4	8.94e-1 ng/dscm 7%O2	0.00e+0	7%O2
5F 2378	353C2R2	7.34e-2 ng/dscm 7%O2	0.00e+0	7%O2
5F 2378	353C2R3	1.08e-1 ng/dscm 7%O2	0.00e+0	7%O2
5F 2378	353C2R4	7.26e-2 ng/dscm 7%O2	0.00e+0	7%O2
5F Other	353C2R2	1.15e+0 ng/dscm 7%O2	0.00e+0	CCE
5F Other	353C2R3	2.66e+0 ng/dscm 7%O2	0.00e+0	CCE
5F Other	353C2R4	1.22e+0 ng/dscm 7%O2	0.00e+0	CCE
5F Total	353C2R2	1.22e+0 ng/dscm 7%O2	0.00e+0	7%O2
5F Total	353C2R3	2.77e+0 ng/dscm 7%O2	0.00e+0	7%O2
5F Total	353C2R4	1.30e+0 ng/dscm 7%O2	0.00e+0	7%O2
6D 2378	353C2R2	1.17e-1 ng/dscm 7%O2	0.00e+0	7%O2
6D 2378	353C2R3	1.46e-1 ng/dscm 7%O2	0.00e+0	7%O2
6D 2378	353C2R4	6.48e-2 ng/dscm 7%O2	0.00e+0	7%O2
6D Other	353C2R2	1.50e-2 ng/dscm 7%O2	0.00e+0	CCE
6D Other	353C2R3	-2.71e-20 ng/dscm 7%O2	0.00e+0	CCE
6D Other	353C2R4	6.78e-21 ng/dscm 7%O2	0.00e+0	CCE
6D Total	353C2R2	1.32e-1 ng/dscm 7%O2	0.00e+0	7%O2
6D Total	353C2R3	1.46e-1 ng/dscm 7%O2	0.00e+0	7%O2
6D Total	353C2R4	6.48e-2 ng/dscm 7%O2	0.00e+0	7%O2
6F 2378	353C2R2	1.50e-1 ng/dscm 7%O2	0.00e+0	7%O2
6F 2378	353C2R3	2.33e-1 ng/dscm 7%O2	0.00e+0	7%O2
6F 2378	353C2R4	1.43e-1 ng/dscm 7%O2	0.00e+0	7%O2
6F Other	353C2R2	5.30e-1 ng/dscm 7%O2	0.00e+0	CCE
6F Other	353C2R3	5.98e-1 ng/dscm 7%O2	0.00e+0	CCE
6F Other	353C2R4	3.24e-1 ng/dscm 7%O2	0.00e+0	CCE
6F Total	353C2R2	6.80e-1 ng/dscm 7%O2	0.00e+0	7%O2
6F Total	353C2R3	8.31e-1 ng/dscm 7%O2	0.00e+0	7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: MI
 3. CITY: MIDLAND
 4. EP ID: 353 DEVICE NAME: UNIT 703

EPA ID: MID000724724
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: QC/VS/DM/ESP

6F Total	353C2R4	4.67e-1	ng/dscm 7%O2	0.00e+0	7%O2
7D 1234678	353C2R2	1.50e-1	ng/dscm 7%O2	0.00e+0	7%O2
7D 1234678	353C2R3	2.63e-1	ng/dscm 7%O2	0.00e+0	7%O2
7D 1234678	353C2R4	6.48e-2	ng/dscm 7%O2	0.00e+0	7%O2
7D Other	353C2R2	1.50e-1	ng/dscm 7%O2	0.00e+0	CCE
7D Other	353C2R3	2.77e-1	ng/dscm 7%O2	0.00e+0	CCE
7D Other	353C2R4	6.48e-2	ng/dscm 7%O2	0.00e+0	CCE
7D Total	353C2R2	2.99e-1	ng/dscm 7%O2	0.00e+0	7%O2
7D Total	353C2R3	5.40e-1	ng/dscm 7%O2	0.00e+0	7%O2
7D Total	353C2R4	1.30e-1	ng/dscm 7%O2	0.00e+0	7%O2
7F 2378	353C2R2	2.45e-1	ng/dscm 7%O2	0.00e+0	7%O2
7F 2378	353C2R3	5.54e-1	ng/dscm 7%O2	0.00e+0	7%O2
7F 2378	353C2R4	1.94e-1	ng/dscm 7%O2	0.00e+0	7%O2
7F Other	353C2R2	1.77e-1	ng/dscm 7%O2	0.00e+0	CCE
7F Other	353C2R3	3.21e-1	ng/dscm 7%O2	0.00e+0	CCE
7F Other	353C2R4	1.17e-1	ng/dscm 7%O2	0.00e+0	CCE
7F Total	353C2R2	4.21e-1	ng/dscm 7%O2	0.00e+0	7%O2
7F Total	353C2R3	8.75e-1	ng/dscm 7%O2	0.00e+0	7%O2
7F Total	353C2R4	3.11e-1	ng/dscm 7%O2	0.00e+0	7%O2
8D	353C2R2	5.71e-1	ng/dscm 7%O2	0.00e+0	7%O2
8D	353C2R3	1.31e+0	ng/dscm 7%O2	0.00e+0	7%O2
8D	353C2R4	2.20e-1	ng/dscm 7%O2	0.00e+0	7%O2
8F	353C2R2	1.50e-1	ng/dscm 7%O2	0.00e+0	7%O2
8F	353C2R3	5.25e-1	ng/dscm 7%O2	0.00e+0	7%O2
8F	353C2R4	1.43e-1	ng/dscm 7%O2	0.00e+0	7%O2
TEQ	353C2R2	1.22e-1	ng/dscm 7%O2	0.00e+0	CCET
TEQ	353C2R3	2.67e-1	ng/dscm 7%O2	0.00e+0	CCET
TEQ	353C2R4	1.27e-1	ng/dscm 7%O2	0.00e+0	CCET
Total PCDD/PCDF	353C2R2	6.92e+1	ng/dscm 7%O2	0.00e+0	CCET
Total PCDD/PCDF	353C2R3	1.36e+2	ng/dscm 7%O2	0.00e+0	CCET
Total PCDD/PCDF	353C2R4	1.01e+2	ng/dscm 7%O2	0.00e+0	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	353C1R1	0.00e+0	5.80e-1 lbs/hr	
HCl	353C1R2	ND 0.00e+0	5.10e-1 lbs/hr	
HCl	353C1R3	ND 0.00e+0	4.20e-1 lbs/hr	
HCl	353C1R4	ND 0.00e+0	4.20e-1 lbs/hr	
HCl	353C2R1	0.00e+0	5.53e+0 lbs/hr	
HCl	353C2R2	0.00e+0	1.73e+0 lbs/hr	
HCl	353C2R3	0.00e+0	3.76e+0 lbs/hr	
HCl	353C2R4	0.00e+0	3.76e+0 lbs/hr	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	353C1R1	1.37e-1 ug/dscm 7%O2	1.11e-5 lbs/hr	7%O2
Antimony	353C1R2	1.84e-1 ug/dscm 7%O2	1.51e-5 lbs/hr	7%O2
Antimony	353C1R3	1.20e-1 ug/dscm 7%O2	1.03e-5 lbs/hr	7%O2
Antimony	353C1R4	1.07e+0 ug/dscm 7%O2	9.53e-6 lbs/hr	7%O2
Antimony	353C2R1	2.31e+1 ug/dscm 7%O2	1.91e-3 lbs/hr	7%O2
Antimony	353C2R2	1.90e+1 ug/dscm 7%O2	1.75e-3 lbs/hr	7%O2
Antimony	353C2R3	2.19e+1 ug/dscm 7%O2	1.91e-3 lbs/hr	7%O2
Antimony	353C2R4	1.81e+1 ug/dscm 7%O2	1.75e-3 lbs/hr	7%O2
Arsenic	353C1R1	ND 6.24e+0 ug/dscm 7%O2	4.76e-4 lbs/hr	7%O2
Arsenic	353C1R2	ND 1.02e+1 ug/dscm 7%O2	7.94e-4 lbs/hr	7%O2
Arsenic	353C1R3	ND 1.05e+1 ug/dscm 7%O2	7.94e-4 lbs/hr	7%O2
Arsenic	353C1R4	ND 1.09e+1 ug/dscm 7%O2	7.94e-4 lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: MI
 3. CITY: MIDLAND
 4. EP ID: 353 DEVICE NAME: UNIT 703

EPA MID000724724
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: QC/VS/DM/ESP

Arsenic	353C2R1		1.54e+0	ug/dscm 7%O2	1.27e-4	lbs/hr	7%O2
Arsenic	353C2R2		2.45e+0	ug/dscm 7%O2	2.30e-4	lbs/hr	7%O2
Arsenic	353C2R3		2.19e+0	ug/dscm 7%O2	1.83e-5	lbs/hr	7%O2
Arsenic	353C2R4		1.94e+0	ug/dscm 7%O2	1.91e-4	lbs/hr	7%O2
Barium	353C1R1		5.48e+0	ug/dscm 7%O2	4.37e-4	lbs/hr	7%O2
Barium	353C1R2		1.13e+1	ug/dscm 7%O2	9.53e-4	lbs/hr	7%O2
Barium	353C1R3	ND	1.05e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Barium	353C1R4		1.57e+1	ug/dscm 7%O2	1.35e-3	lbs/hr	7%O2
Barium	353C2R1	ND	1.25e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Barium	353C2R2		2.17e+1	ug/dscm 7%O2	1.98e-3	lbs/hr	7%O2
Barium	353C2R3		3.06e+0	ug/dscm 7%O2	2.62e-4	lbs/hr	7%O2
Barium	353C2R4		9.33e+0	ug/dscm 7%O2	8.73e-4	lbs/hr	7%O2
Beryllium	353C1R1	ND	6.24e+0	ug/dscm 7%O2	4.76e-4	lbs/hr	7%O2
Beryllium	353C1R2	ND	1.02e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Beryllium	353C1R3	ND	1.05e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Beryllium	353C1R4	ND	1.09e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Beryllium	353C2R1	ND	1.25e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Beryllium	353C2R2	ND	1.10e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Beryllium	353C2R3	ND	1.60e+1	ug/dscm 7%O2	1.59e-3	lbs/hr	7%O2
Beryllium	353C2R4	ND	1.30e+1	ug/dscm 7%O2	1.59e-3	lbs/hr	7%O2
Cadmium	353C1R1	ND	6.24e+0	ug/dscm 7%O2	4.76e-4	lbs/hr	7%O2
Cadmium	353C1R2	ND	1.02e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Cadmium	353C1R3	ND	1.05e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Cadmium	353C1R4	ND	1.09e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Cadmium	353C2R1		4.92e+0	ug/dscm 7%O2	4.05e-4	lbs/hr	7%O2
Cadmium	353C2R2		8.29e+0	ug/dscm 7%O2	7.62e-4	lbs/hr	7%O2
Cadmium	353C2R3		5.54e+0	ug/dscm 7%O2	4.76e-4	lbs/hr	7%O2
Cadmium	353C2R4		5.06e+0	ug/dscm 7%O2	4.76e-4	lbs/hr	7%O2
Chromium	353C1R1	ND	6.24e+0	ug/dscm 7%O2	4.76e-4	lbs/hr	7%O2
Chromium	353C1R2	ND	1.02e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Chromium	353C1R3	ND	1.05e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Chromium	353C1R4	ND	1.09e+1	ug/dscm 7%O2	7.94e-4	lbs/hr	7%O2
Chromium	353C2R1		9.23e+2	ug/dscm 7%O2	7.38e-2	lbs/hr	7%O2
Chromium	353C2R2		5.17e+0	ug/dscm 7%O2	4.68e-4	lbs/hr	7%O2
Chromium	353C2R3		3.35e+2	ug/dscm 7%O2	2.86e-2	lbs/hr	7%O2
Chromium	353C2R4		6.48e+0	ug/dscm 7%O2	6.11e-4	lbs/hr	7%O2
Lead	353C1R1		2.89e+0	ug/dscm 7%O2	2.30e-4	lbs/hr	7%O2
Lead	353C1R2		1.98e+0	ug/dscm 7%O2	1.67e-4	lbs/hr	7%O2
Lead	353C1R3		4.40e-1	ug/dscm 7%O2	1.11e-4	lbs/hr	7%O2
Lead	353C1R4		1.27e+0	ug/dscm 7%O2	1.11e-4	lbs/hr	7%O2
Lead	353C2R1		1.23e+2	ug/dscm 7%O2	1.03e-2	lbs/hr	7%O2
Lead	353C2R2		3.26e+2	ug/dscm 7%O2	3.02e-2	lbs/hr	7%O2
Lead	353C2R3		1.60e+2	ug/dscm 7%O2	1.43e-2	lbs/hr	7%O2
Lead	353C2R4		2.07e+2	ug/dscm 7%O2	1.91e-2	lbs/hr	7%O2
Mercury	353C1R1		1.14e+0	ug/dscm 7%O2	9.53e-5	lbs/hr	7%O2
Mercury	353C1R2		1.70e+0	ug/dscm 7%O2	1.43e-4	lbs/hr	7%O2
Mercury	353C1R3		5.33e+0	ug/dscm 7%O2	1.59e-4	lbs/hr	7%O2
Mercury	353C1R4		1.70e+0	ug/dscm 7%O2	1.59e-4	lbs/hr	7%O2
Mercury	353C2R1		6.77e+0	ug/dscm 7%O2	5.40e-4	lbs/hr	7%O2
Mercury	353C2R2		7.88e+0	ug/dscm 7%O2	7.23e-4	lbs/hr	7%O2
Mercury	353C2R3		5.98e+0	ug/dscm 7%O2	5.08e-4	lbs/hr	7%O2
Mercury	353C2R4		5.44e+0	ug/dscm 7%O2	5.16e-4	lbs/hr	7%O2
Thallium	353C1R1	ND	1.25e+0	ug/dscm 7%O2	7.94e-5	lbs/hr	7%O2
Thallium	353C1R2	ND	1.98e+0	ug/dscm 7%O2	1.75e-4	lbs/hr	7%O2
Thallium	353C1R3	ND	2.13e+0	ug/dscm 7%O2	2.38e-4	lbs/hr	7%O2
Thallium	353C1R4	ND	2.22e+0	ug/dscm 7%O2	2.38e-4	lbs/hr	7%O2
Thallium	353C2R1		2.15e-1	ug/dscm 7%O2	1.75e-5	lbs/hr	7%O2
Thallium	353C2R2		1.90e-1	ug/dscm 7%O2	1.67e-5	lbs/hr	7%O2
Thallium	353C2R3		1.75e-1	ug/dscm 7%O2	1.51e-5	lbs/hr	7%O2
Thallium	353C2R4		1.43e-1	ug/dscm 7%O2	1.35e-5	lbs/hr	7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: MI
 3. CITY: MIDLAND
 4. EP ID: 353 DEVICE NAME: UNIT 703

EPA ID: MID000724724
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: QC/VS/DM/ESP

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	353C1R1	1.14e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C1R2	1.02e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C1R3	5.16e-3 gr/dscf 7%O2	0.00e+0	
Particulate	353C1R4	6.68e-3 gr/dscf 7%O2	0.00e+0	
Particulate	353C2R1	1.33e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C2R2	9.60e-3 gr/dscf 7%O2	0.00e+0	
Particulate	353C2R3	1.15e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C2R4	1.01e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C3R1	4.58e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C3R2	4.49e-2 gr/dscf 7%O2	0.00e+0	
Particulate	353C3R3	4.92e-2 gr/dscf 7%O2	0.00e+0	

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	353C1R1	1.07e+1 ppmv 7%O2	0.00e+0	7%O2
CO	353C1R2	9.90e+0 ppmv 7%O2	0.00e+0	7%O2
CO	353C1R3	1.33e+1 ppmv 7%O2	0.00e+0	7%O2
CO	353C1R4	6.55e+0 ppmv 7%O2	0.00e+0	7%O2
CO	353C2R1	1.85e+1 ppmv 7%O2	0.00e+0	7%O2
CO	353C2R2	1.63e+1 ppmv 7%O2	0.00e+0	7%O2
CO	353C2R3	2.04e+1 ppmv 7%O2	0.00e+0	7%O2
CO	353C2R4	1.04e+1 ppmv 7%O2	0.00e+0	7%O2
CO	353C3R1	1.90e+1 ppmv	0.00e+0	
CO	353C3R2	2.00e+1 ppmv	0.00e+0	
CO	353C3R3	2.10e+1 ppmv	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	353C1R1	0.00e+0	1.70e-4 lbs/hr	
Carbon Tetrachloride	353C1R2	ND 0.00e+0	1.20e-4 lbs/hr	
Carbon Tetrachloride	353C1R3	0.00e+0	1.70e-4 lbs/hr	
Carbon Tetrachloride	353C1R4	0.00e+0	5.20e-4 lbs/hr	
Carbon Tetrachloride	353C2R1	0.00e+0	4.10e-3 lbs/hr	
Carbon Tetrachloride	353C2R2	0.00e+0	2.60e-3 lbs/hr	
Carbon Tetrachloride	353C2R3	0.00e+0	3.20e-3 lbs/hr	
Carbon Tetrachloride	353C2R4	0.00e+0	5.60e-3 lbs/hr	
Chlorobenzene	353C1R1	ND 0.00e+0	2.50e-4 lbs/hr	
Chlorobenzene	353C1R2	ND 0.00e+0	2.50e-4 lbs/hr	
Chlorobenzene	353C1R3	0.00e+0	4.70e-4 lbs/hr	
Chlorobenzene	353C1R4	0.00e+0	1.50e-3 lbs/hr	
Chlorobenzene	353C2R1	0.00e+0	4.60e-4 lbs/hr	
Chlorobenzene	353C2R2	0.00e+0	3.30e-4 lbs/hr	
Chlorobenzene	353C2R3	ND 0.00e+0	2.60e-4 lbs/hr	
Chlorobenzene	353C2R4	ND 0.00e+0	2.60e-4 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

EPA MID000724724

REGION: 5

4. EP ID: 354 DEVICE NAME: UNIT 830

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/AS/VS/DM/IWS

5. Type: CONTROLLED

6. Description: EMISSIONS

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	354C2R1	2.26e-3 ng/dscm 7%O2	1.52e-10 lbs/hr	CE7%O2
4D 2378	354C2R2	2.20e-3 ng/dscm 7%O2	1.52e-10 lbs/hr	CE7%O2
4D 2378	354C2R3	3.25e-3 ng/dscm 7%O2	2.11e-10 lbs/hr	CE7%O2
4D 2378	354C2R4	6.59e-3 ng/dscm 7%O2	4.39e-10 lbs/hr	CE7%O2
4F 2378	354C2R1	2.69e-3 ng/dscm 7%O2	1.80e-10 lbs/hr	CE7%O2
4F 2378	354C2R2	1.65e-3 ng/dscm 7%O2	1.14e-10 lbs/hr	CE7%O2
4F 2378	354C2R3	3.11e-3 ng/dscm 7%O2	2.02e-10 lbs/hr	CE7%O2
4F 2378	354C2R4	4.80e-3 ng/dscm 7%O2	3.20e-10 lbs/hr	CE7%O2
5D 12378	354C2R1	1.56e-3 ng/dscm 7%O2	1.04e-10 lbs/hr	CE7%O2
5D 12378	354C2R2	ND 9.61e-4 ng/dscm 7%O2	6.64e-11 lbs/hr	CE7%O2
5D 12378	354C2R3	ND 1.13e-3 ng/dscm 7%O2	7.35e-11 lbs/hr	CE7%O2
5D 12378	354C2R4	6.04e-3 ng/dscm 7%O2	4.03e-10 lbs/hr	CE7%O2
5F 12378	354C2R1	6.08e-3 ng/dscm 7%O2	4.08e-10 lbs/hr	CE7%O2
5F 12378	354C2R2	2.47e-3 ng/dscm 7%O2	1.71e-10 lbs/hr	CE7%O2
5F 12378	354C2R3	ND 2.55e-3 ng/dscm 7%O2	1.65e-10 lbs/hr	CE7%O2
5F 12378	354C2R4	9.33e-3 ng/dscm 7%O2	6.22e-10 lbs/hr	CE7%O2
5F 23478	354C2R1	3.11e-3 ng/dscm 7%O2	2.09e-10 lbs/hr	CE7%O2
5F 23478	354C2R2	2.06e-3 ng/dscm 7%O2	1.42e-10 lbs/hr	CE7%O2
5F 23478	354C2R3	2.40e-3 ng/dscm 7%O2	1.56e-10 lbs/hr	CE7%O2
5F 23478	354C2R4	5.63e-3 ng/dscm 7%O2	3.75e-10 lbs/hr	CE7%O2
6D 123478/678	354C2R1	2.26e-3 ng/dscm 7%O2	1.52e-10 lbs/hr	CE7%O2
6D 123478/678	354C2R2	1.51e-3 ng/dscm 7%O2	1.04e-10 lbs/hr	CE7%O2
6D 123478/678	354C2R3	ND 1.56e-3 ng/dscm 7%O2	1.01e-10 lbs/hr	CE7%O2
6D 123478/678	354C2R4	5.22e-3 ng/dscm 7%O2	3.48e-10 lbs/hr	CE7%O2
6D 123789	354C2R1	1.41e-3 ng/dscm 7%O2	9.49e-11 lbs/hr	CE7%O2
6D 123789	354C2R2	ND 1.10e-3 ng/dscm 7%O2	7.59e-11 lbs/hr	CE7%O2
6D 123789	354C2R3	ND 1.13e-3 ng/dscm 7%O2	7.35e-11 lbs/hr	CE7%O2
6D 123789	354C2R4	ND 2.75e-3 ng/dscm 7%O2	1.83e-10 lbs/hr	CE7%O2
6F 123478/678	354C2R1	1.30e-2 ng/dscm 7%O2	8.73e-10 lbs/hr	CE7%O2
6F 123478/678	354C2R2	6.59e-3 ng/dscm 7%O2	4.55e-10 lbs/hr	CE7%O2
6F 123478/678	354C2R3	4.38e-3 ng/dscm 7%O2	2.85e-10 lbs/hr	CE7%O2
6F 123478/678	354C2R4	1.07e-2 ng/dscm 7%O2	7.14e-10 lbs/hr	CE7%O2
6F 123789	354C2R1	3.11e-3 ng/dscm 7%O2	2.09e-10 lbs/hr	CE7%O2
6F 123789	354C2R2	1.51e-3 ng/dscm 7%O2	1.04e-10 lbs/hr	CE7%O2
6F 123789	354C2R3	ND 8.48e-4 ng/dscm 7%O2	5.51e-11 lbs/hr	CE7%O2
6F 123789	354C2R4	ND 1.10e-3 ng/dscm 7%O2	7.32e-11 lbs/hr	CE7%O2
6F 234678	354C2R1	ND 2.40e-3 ng/dscm 7%O2	1.61e-10 lbs/hr	CE7%O2
6F 234678	354C2R2	1.78e-3 ng/dscm 7%O2	1.23e-10 lbs/hr	CE7%O2
6F 234678	354C2R3	1.13e-3 ng/dscm 7%O2	7.35e-11 lbs/hr	CE7%O2
6F 234678	354C2R4	3.84e-3 ng/dscm 7%O2	2.56e-10 lbs/hr	CE7%O2
7D 1234678	354C2R1	2.39e-2 ng/dscm 7%O2	1.60e-9 lbs/hr	CE7%O2
7D 1234678	354C2R2	1.62e-2 ng/dscm 7%O2	1.12e-9 lbs/hr	CE7%O2
7D 1234678	354C2R3	1.15e-2 ng/dscm 7%O2	7.44e-10 lbs/hr	CE7%O2
7D 1234678	354C2R4	3.51e-2 ng/dscm 7%O2	2.34e-9 lbs/hr	CE7%O2
7F 1234678	354C2R1	2.47e-2 ng/dscm 7%O2	1.66e-9 lbs/hr	CE7%O2
7F 1234678	354C2R2	1.07e-2 ng/dscm 7%O2	7.40e-10 lbs/hr	CE7%O2
7F 1234678	354C2R3	5.37e-3 ng/dscm 7%O2	3.49e-10 lbs/hr	CE7%O2
7F 1234678	354C2R4	1.76e-2 ng/dscm 7%O2	1.17e-9 lbs/hr	CE7%O2
7F 1234789	354C2R1	4.81e-3 ng/dscm 7%O2	3.23e-10 lbs/hr	CE7%O2
7F 1234789	354C2R2	2.06e-3 ng/dscm 7%O2	1.42e-10 lbs/hr	CE7%O2
7F 1234789	354C2R3	ND 1.13e-3 ng/dscm 7%O2	7.35e-11 lbs/hr	CE7%O2
7F 1234789	354C2R4	ND 1.65e-3 ng/dscm 7%O2	1.10e-10 lbs/hr	CE7%O2
8D	354C2R1	1.09e-1 ng/dscm 7%O2	7.32e-9 lbs/hr	CE7%O2
8D	354C2R2	9.59e-2 ng/dscm 7%O2	6.63e-9 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: MI
 3. CITY: MIDLAND
 4. EP ID: 354 DEVICE NAME: UNIT 830

EPA ID: MID000724724
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5
 APC SYSTEM: QC/AS/VS/DM/IWS

8D	354C2R3	7.13e-2	ng/dscm	7%O2	4.63e-9	lbs/hr	CE7%O2
8D	354C2R4	1.50e-1	ng/dscm	7%O2	9.97e-9	lbs/hr	CE7%O2
8F	354C2R1	2.63e-2	ng/dscm	7%O2	1.76e-9	lbs/hr	CE7%O2
8F	354C2R2	1.58e-2	ng/dscm	7%O2	1.09e-9	lbs/hr	CE7%O2
8F	354C2R3	1.05e-2	ng/dscm	7%O2	6.80e-10	lbs/hr	CE7%O2
8F	354C2R4	2.13e-2	ng/dscm	7%O2	1.42e-9	lbs/hr	CE7%O2
TEQ	354C2R1	8.06e-3	ng/dscm	7%O2	5.41e-10	lbs/hr	CCET
TEQ	354C2R2	5.64e-3	ng/dscm	7%O2	3.90e-10	lbs/hr	CCET
TEQ	354C2R3	6.62e-3	ng/dscm	7%O2	4.30e-10	lbs/hr	CCET
TEQ	354C2R4	1.64e-2	ng/dscm	7%O2	1.10e-9	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc	
Chlorine	354C1R1	1.81e+0	ppmv	7%O2	3.27e-1	lbs/hr	CC7%O2
Chlorine	354C1R2	1.31e+0	ppmv	7%O2	2.40e-1	lbs/hr	CC7%O2
Chlorine	354C1R3	5.39e+0	ppmv	7%O2	9.28e-1	lbs/hr	CC7%O2
Chlorine	354C1R4	4.65e+0	ppmv	7%O2	8.44e-1	lbs/hr	CC7%O2
Chlorine	354C2R1	1.10e+0	ppmv	7%O2	2.16e-1	lbs/hr	CC7%O2
Chlorine	354C2R2	9.06e-1	ppmv	7%O2	1.84e-1	lbs/hr	CC7%O2
Chlorine	354C2R3	1.04e+0	ppmv	7%O2	1.99e-1	lbs/hr	CC7%O2
Chlorine	354C2R4	1.03e+0	ppmv	7%O2	2.02e-1	lbs/hr	CC7%O2
Chlorine	354C3R1	5.62e-2	ppmv	7%O2	1.04e-2	lbs/hr	CC7%O2
Chlorine	354C3R2	6.72e-2	ppmv	7%O2	1.33e-2	lbs/hr	CC7%O2
Chlorine	354C3R3	9.26e-2	ppmv	7%O2	1.73e-2	lbs/hr	CC7%O2
Chlorine	354C3R4	8.18e-2	ppmv	7%O2	1.52e-2	lbs/hr	CC7%O2
Chlorine	354C4R1	4.72e-1	ppmv	7%O2	8.85e-2	lbs/hr	CC7%O2
Chlorine	354C4R2	3.23e-1	ppmv	7%O2	6.23e-2	lbs/hr	CC7%O2
Chlorine	354C4R3	7.63e-1	ppmv	7%O2	1.51e-1	lbs/hr	CC7%O2
Chlorine	354C4R4	4.48e-2	ppmv	7%O2	9.15e-3	lbs/hr	CC7%O2
Chlorine	354C4R5	1.02e-1	ppmv	7%O2	2.06e-2	lbs/hr	CC7%O2
HCl	354C1R1	1.49e+0	ppmv	7%O2	1.38e-1	lbs/hr	CC7%O2
HCl	354C1R2	1.67e+0	ppmv	7%O2	1.57e-1	lbs/hr	CC7%O2
HCl	354C1R3	6.55e-1	ppmv	7%O2	5.80e-2	lbs/hr	CC7%O2
HCl	354C1R4	6.86e-1	ppmv	7%O2	6.40e-2	lbs/hr	CC7%O2
HCl	354C2R1	3.45e-1	ppmv	7%O2	3.50e-2	lbs/hr	CC7%O2
HCl	354C2R2	3.26e-1	ppmv	7%O2	3.40e-2	lbs/hr	CC7%O2
HCl	354C2R3	3.57e-1	ppmv	7%O2	3.50e-2	lbs/hr	CC7%O2
HCl	354C2R4	3.28e-1	ppmv	7%O2	3.30e-2	lbs/hr	CC7%O2
HCl	354C3R1	2.31e-1	ppmv	7%O2	2.20e-2	lbs/hr	CC7%O2
HCl	354C3R2	1.87e-1	ppmv	7%O2	1.90e-2	lbs/hr	CC7%O2
HCl	354C3R3	2.08e-1	ppmv	7%O2	2.00e-2	lbs/hr	CC7%O2
HCl	354C3R4	2.09e-1	ppmv	7%O2	2.00e-2	lbs/hr	CC7%O2
HCl	354C4R1	7.88e-1	ppmv	7%O2	7.60e-2	lbs/hr	CC7%O2
HCl	354C4R2	7.67e-1	ppmv	7%O2	7.60e-2	lbs/hr	CC7%O2
HCl	354C4R3	7.18e-1	ppmv	7%O2	7.30e-2	lbs/hr	CC7%O2
HCl	354C4R4	4.96e-1	ppmv	7%O2	5.20e-2	lbs/hr	CC7%O2
HCl	354C4R5	5.13e-1	ppmv	7%O2	5.30e-2	lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc	
Antimony	354C1R1	ND	4.79e+0	ug/dscm	2.94e-4	lbs/hr	CC7%O2
Antimony	354C1R2	ND	4.72e+0	ug/dscm	2.94e-4	lbs/hr	CC7%O2
Antimony	354C1R3	ND	4.74e+0	ug/dscm	2.78e-4	lbs/hr	CC7%O2
Antimony	354C1R4	ND	4.50e+0	ug/dscm	2.78e-4	lbs/hr	CC7%O2
Arsenic	354C1R1	ND	4.79e+0	ug/dscm	2.94e-4	lbs/hr	CC7%O2
Arsenic	354C1R2	ND	4.72e+0	ug/dscm	2.94e-4	lbs/hr	CC7%O2
Arsenic	354C1R3	ND	4.74e+0	ug/dscm	2.78e-4	lbs/hr	CC7%O2
Arsenic	354C1R4	ND	4.50e+0	ug/dscm	2.78e-4	lbs/hr	CC7%O2
Barium	354C1R1	ND	2.72e-1	ug/dscm	1.67e-5	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

4. EP ID: 354 DEVICE NAME: UNIT 830

EPA ID: MID000724724

REGION: 5

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/AS/VS/DM/IWS

Barium	354C1R2	ND	2.68e-1	ug/dscm	7%O2	1.67e-5	lbs/hr	CC7%O2
Barium	354C1R3	ND	2.71e-1	ug/dscm	7%O2	1.59e-5	lbs/hr	CC7%O2
Barium	354C1R4		3.09e-1	ug/dscm	7%O2	1.91e-5	lbs/hr	CC7%O2
Cadmium	354C1R1	ND	3.37e-1	ug/dscm	7%O2	2.06e-5	lbs/hr	CC7%O2
Cadmium	354C1R2	ND	3.32e-1	ug/dscm	7%O2	2.06e-5	lbs/hr	CC7%O2
Cadmium	354C1R3	ND	3.39e-1	ug/dscm	7%O2	1.99e-5	lbs/hr	CC7%O2
Cadmium	354C1R4	ND	3.22e-1	ug/dscm	7%O2	1.99e-5	lbs/hr	CC7%O2
Chromium	354C1R1	ND	5.44e-1	ug/dscm	7%O2	3.33e-5	lbs/hr	CC7%O2
Chromium	354C1R2	ND	5.36e-1	ug/dscm	7%O2	3.33e-5	lbs/hr	CC7%O2
Chromium	354C1R3	ND	5.42e-1	ug/dscm	7%O2	3.18e-5	lbs/hr	CC7%O2
Chromium	354C1R4	ND	5.15e-1	ug/dscm	7%O2	3.18e-5	lbs/hr	CC7%O2
Lead	354C1R1		2.72e+0	ug/dscm	7%O2	1.67e-4	lbs/hr	CC7%O2
Lead	354C1R2	ND	2.04e+0	ug/dscm	7%O2	1.27e-4	lbs/hr	CC7%O2
Lead	354C1R3	ND	2.03e+0	ug/dscm	7%O2	1.19e-4	lbs/hr	CC7%O2
Lead	354C1R4		1.93e+0	ug/dscm	7%O2	1.19e-4	lbs/hr	CC7%O2
Mercury	354C1R1		1.09e+0	ug/dscm	7%O2	6.67e-5	lbs/hr	CC7%O2
Mercury	354C1R2		3.44e+0	ug/dscm	7%O2	2.14e-4	lbs/hr	CC7%O2
Mercury	354C1R3	ND	5.83e-1	ug/dscm	7%O2	3.41e-5	lbs/hr	CC7%O2
Mercury	354C1R4	ND	5.53e-1	ug/dscm	7%O2	3.41e-5	lbs/hr	CC7%O2
Silver	354C1R1	ND	1.30e+0	ug/dscm	7%O2	7.94e-5	lbs/hr	CC7%O2
Silver	354C1R2	ND	1.28e+0	ug/dscm	7%O2	7.94e-5	lbs/hr	CC7%O2
Silver	354C1R3	ND	1.36e+0	ug/dscm	7%O2	7.94e-5	lbs/hr	CC7%O2
Silver	354C1R4	ND	1.29e+0	ug/dscm	7%O2	7.94e-5	lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	354C1R1	2.00e-4 gr/dscf 7%O2	2.81e-2 lbs/hr	CE
Particulate	354C1R2	1.20e-3 gr/dscf 7%O2	1.71e-1 lbs/hr	CE
Particulate	354C1R3	1.00e-4 gr/dscf 7%O2	1.34e-2 lbs/hr	CE
Particulate	354C2R1	1.80e-3 gr/dscf 7%O2	2.76e-1 lbs/hr	CE
Particulate	354C2R2	7.00e-4 gr/dscf 7%O2	1.11e-1 lbs/hr	CE
Particulate	354C2R3	5.80e-4 gr/dscf 7%O2	8.63e-2 lbs/hr	CE
Particulate	354C2R4	3.80e-4 gr/dscf 7%O2	5.80e-2 lbs/hr	CE
Particulate	354C3R1	1.10e-3 gr/dscf 7%O2	1.59e-1 lbs/hr	CE
Particulate	354C3R2	1.70e-3 gr/dscf 7%O2	2.62e-1 lbs/hr	CE
Particulate	354C3R3	1.70e-3 gr/dscf 7%O2	2.47e-1 lbs/hr	CE
Particulate	354C3R4	1.10e-3 gr/dscf 7%O2	1.59e-1 lbs/hr	CE
Particulate	354C4R1	3.66e-2 gr/dscf 7%O2	5.35e+0 lbs/hr	CE
Particulate	354C4R2	3.30e-2 gr/dscf 7%O2	4.95e+0 lbs/hr	CE
Particulate	354C4R3	2.26e-2 gr/dscf 7%O2	3.49e+0 lbs/hr	CE
Particulate	354C4R4	1.88e-2 gr/dscf 7%O2	2.99e+0 lbs/hr	CE
Particulate	354C4R5	1.67e-2 gr/dscf 7%O2	2.62e+0 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	354C1R1	3.05e+0 ppmv 7%O2	2.17e-1 lbs/hr	CE7%O2
CO	354C1R2	2.95e+0 ppmv 7%O2	2.13e-1 lbs/hr	CE7%O2
CO	354C1R3	3.15e+0 ppmv 7%O2	2.14e-1 lbs/hr	CE7%O2
CO	354C1R4	3.01e+0 ppmv 7%O2	2.16e-1 lbs/hr	CE7%O2
CO	354C2R1	2.83e+0 ppmv 7%O2	2.20e-1 lbs/hr	CE7%O2
CO	354C2R2	1.37e+0 ppmv 7%O2	1.10e-1 lbs/hr	CE7%O2
CO	354C2R3	2.83e+0 ppmv 7%O2	2.13e-1 lbs/hr	CE7%O2
CO	354C2R4	4.12e+0 ppmv 7%O2	3.19e-1 lbs/hr	CE7%O2
CO	354C3R1	4.52e+0 ppmv 7%O2	3.31e-1 lbs/hr	CE7%O2
CO	354C3R2	4.38e+0 ppmv 7%O2	3.42e-1 lbs/hr	CE7%O2
CO	354C3R3	1.52e+1 ppmv 7%O2	1.12e+0 lbs/hr	CE7%O2
CO	354C3R4	1.51e+0 ppmv 7%O2	1.11e-1 lbs/hr	CE7%O2
CO	354C4R1	1.52e+0 ppmv 7%O2	1.13e-1 lbs/hr	CE7%O2
CO	354C4R2	1.54e+0 ppmv 7%O2	1.17e-1 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

EPA ID: MID000724724

REGION: 5

4. EP ID: 354 DEVICE NAME: UNIT 830

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/AS/VIS/DM/IWS

CO	354C4R3	2.83e+0	ppmv	7%O2	2.21e-1	lbs/hr	CE7%O2
CO	354C4R4	1.41e+0	ppmv	7%O2	1.14e-1	lbs/hr	CE7%O2
CO	354C4R5	1.39e+0	ppmv	7%O2	1.10e-1	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DOW CHEMICAL CO.
 2. STATE: TX
 3. CITY: FREEPORT
 4. EP ID: 600 DEVICE NAME:

EPA ID: TXD008092793
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 6
 APC SYSTEM: WHB/QC/PT/IWS

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	600C1R1	2.81e-1 ppmv 7%O2	2.00e-2 lbs/hr	7%O2
HCl	600C1R2	7.63e-1 ppmv 7%O2	7.00e-2 lbs/hr	7%O2
HCl	600C1R3	3.35e-1 ppmv 7%O2	3.00e-2 lbs/hr	7%O2
HCl	600C2R1	2.03e+0 ppmv 7%O2	2.20e-1 lbs/hr	7%O2
HCl	600C2R2	2.01e+0 ppmv 7%O2	2.10e-1 lbs/hr	7%O2
HCl	600C2R3	7.09e-1 ppmv 7%O2	8.00e-2 lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	600C1R1	1.20e-2 gr/dscf 7%O2	1.40e+0 lbs/hr	CE
Particulate	600C1R2	1.10e-2 gr/dscf 7%O2	1.41e+0 lbs/hr	CE
Particulate	600C1R3	8.00e-3 gr/dscf 7%O2	9.83e-1 lbs/hr	CE
Particulate	600C2R1	4.00e-3 gr/dscf 7%O2	6.72e-1 lbs/hr	CE
Particulate	600C2R2	6.00e-3 gr/dscf 7%O2	9.57e-1 lbs/hr	CE
Particulate	600C2R3	4.00e-3 gr/dscf 7%O2	6.91e-1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1-Dichloroethane	600C1R1	ND 5.19e+3 ng/dscm 7%O2	2.65e-4 lbs/hr	CC7%O2
1,1-Dichloroethane	600C1R2	ND 2.36e+3 ng/dscm 7%O2	1.32e-4 lbs/hr	CC7%O2
1,1-Dichloroethane	600C1R3	ND 4.93e+3 ng/dscm 7%O2	2.65e-4 lbs/hr	CC7%O2
1,1-Dichloroethane	600C2R1	ND 3.61e+3 ng/dscm 7%O2	2.65e-4 lbs/hr	CC7%O2
1,1-Dichloroethane	600C2R2	ND 5.71e+3 ng/dscm 7%O2	3.97e-4 lbs/hr	CC7%O2
1,1-Dichloroethane	600C2R3	ND 3.51e+3 ng/dscm 7%O2	2.65e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	600C1R1	1.19e+4 ng/dscm 7%O2	6.61e-4 lbs/hr	7%O2
Carbon Tetrachloride	600C1R2	6.43e+3 ng/dscm 7%O2	3.97e-4 lbs/hr	7%O2
Carbon Tetrachloride	600C1R3	9.54e+3 ng/dscm 7%O2	5.29e-4 lbs/hr	7%O2
Carbon Tetrachloride	600C2R1	5.84e+4 ng/dscm 7%O2	4.23e-3 lbs/hr	7%O2
Carbon Tetrachloride	600C2R2	5.70e+4 ng/dscm 7%O2	3.97e-3 lbs/hr	7%O2
Carbon Tetrachloride	600C2R3	4.44e+4 ng/dscm 7%O2	3.31e-3 lbs/hr	7%O2
Trichlorofluoromethane	600C1R1	1.30e+4 ng/dscm 7%O2	6.61e-4 lbs/hr	CC7%O2
Trichlorofluoromethane	600C1R2	9.43e+3 ng/dscm 7%O2	5.29e-4 lbs/hr	CC7%O2
Trichlorofluoromethane	600C1R3	9.87e+3 ng/dscm 7%O2	5.29e-4 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: DE
 3. CITY: WILMINGTON EPA DED003930807 REGION: 3
 4. EP ID: 700 DEVICE NAME: INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: SD/RJS/VS/WS

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: FIXED HEARTH Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	700C1R1	1.94e-1	ppmv 7%O2	2.25e-2 lbs/hr	CC7%O2
Chlorine	700C1R2	9.80e-2	ppmv 7%O2	1.06e-2 lbs/hr	CC7%O2
Chlorine	700C1R3	4.01e-1	ppmv 7%O2	4.23e-2 lbs/hr	CC7%O2
Chlorine	700C2R1	ND	5.01e-2 ppmv 7%O2	5.29e-3 lbs/hr	CC7%O2
Chlorine	700C2R2	ND	4.70e-2 ppmv 7%O2	5.29e-3 lbs/hr	CC7%O2
Chlorine	700C2R3	ND	4.82e-2 ppmv 7%O2	5.29e-3 lbs/hr	CC7%O2
HCl	700C1R1	1.84e+1	ppmv 7%O2	1.10e+0 lbs/hr	CC7%O2
HCl	700C1R2	4.62e+1	ppmv 7%O2	2.57e+0 lbs/hr	CC7%O2
HCl	700C1R3	2.27e+1	ppmv 7%O2	1.23e+0 lbs/hr	CC7%O2
HCl	700C2R1	3.66e+0	ppmv 7%O2	1.98e-1 lbs/hr	CC7%O2
HCl	700C2R2	3.43e+0	ppmv 7%O2	1.98e-1 lbs/hr	CC7%O2
HCl	700C2R3	5.15e+0	ppmv 7%O2	2.91e-1 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	700C1R1	4	3.47e+1 ug/dscm 7%O2	1.37e-3 lbs/hr	CE7%O2
Antimony	700C1R2	4	7.25e+1 ug/dscm 7%O2	2.66e-3 lbs/hr	CE7%O2
Antimony	700C1R3	4	4.06e+1 ug/dscm 7%O2	1.46e-3 lbs/hr	CE7%O2
Arsenic	700C1R1		1.81e+2 ug/dscm 7%O2	7.15e-3 lbs/hr	CE7%O2
Arsenic	700C1R2		1.90e+2 ug/dscm 7%O2	6.99e-3 lbs/hr	CE7%O2
Arsenic	700C1R3		1.91e+2 ug/dscm 7%O2	6.85e-3 lbs/hr	CE7%O2
Barium	700C1R1		1.45e+1 ug/dscm 7%O2	5.74e-4 lbs/hr	CE7%O2
Barium	700C1R2		2.83e+1 ug/dscm 7%O2	1.04e-3 lbs/hr	CE7%O2
Barium	700C1R3		1.56e+1 ug/dscm 7%O2	5.58e-4 lbs/hr	CE7%O2
Beryllium	700C1R1	4	4.12e+1 ug/dscm 7%O2	1.63e-3 lbs/hr	CE7%O2
Beryllium	700C1R2	4	4.20e+1 ug/dscm 7%O2	1.54e-3 lbs/hr	CE7%O2
Beryllium	700C1R3	4	5.73e+1 ug/dscm 7%O2	2.06e-3 lbs/hr	CE7%O2
Cadmium	700C1R1		1.69e+2 ug/dscm 7%O2	6.68e-3 lbs/hr	CE7%O2
Cadmium	700C1R2		1.57e+2 ug/dscm 7%O2	5.78e-3 lbs/hr	CE7%O2
Cadmium	700C1R3		1.97e+2 ug/dscm 7%O2	7.06e-3 lbs/hr	CE7%O2
Chromium	700C1R1		4.48e+2 ug/dscm 7%O2	1.77e-2 lbs/hr	CE7%O2
Chromium	700C1R2		3.63e+2 ug/dscm 7%O2	1.33e-2 lbs/hr	CE7%O2
Chromium	700C1R3		5.01e+2 ug/dscm 7%O2	1.80e-2 lbs/hr	CE7%O2
Chromium (Hex)	700C1R1		2.25e+2 ug/dscm 7%O2	8.87e-3 lbs/hr	CE7%O2
Chromium (Hex)	700C1R2		1.55e+2 ug/dscm 7%O2	5.68e-3 lbs/hr	CE7%O2
Chromium (Hex)	700C1R3		2.11e+2 ug/dscm 7%O2	7.56e-3 lbs/hr	CE7%O2
Lead	700C1R1		2.45e+4 ug/dscm 7%O2	9.66e-1 lbs/hr	CE7%O2
Lead	700C1R2		2.55e+4 ug/dscm 7%O2	9.35e-1 lbs/hr	CE7%O2
Lead	700C1R3		3.76e+4 ug/dscm 7%O2	1.35e+0 lbs/hr	CE7%O2
Mercury	700C1R1	4	4.48e+0 ug/dscm 7%O2	1.77e-4 lbs/hr	CE7%O2
Mercury	700C1R2	4	5.97e+0 ug/dscm 7%O2	2.19e-4 lbs/hr	CE7%O2
Mercury	700C1R3	4	3.62e+0 ug/dscm 7%O2	1.30e-4 lbs/hr	CE7%O2
Nickel	700C1R1		3.25e+1 ug/dscm 7%O2	1.28e-3 lbs/hr	CE7%O2
Nickel	700C1R2		2.09e+1 ug/dscm 7%O2	7.67e-4 lbs/hr	CE7%O2
Nickel	700C1R3		3.27e+1 ug/dscm 7%O2	1.17e-3 lbs/hr	CE7%O2
Silver	700C1R1	4	5.14e+0 ug/dscm 7%O2	2.03e-4 lbs/hr	CE7%O2
Silver	700C1R2	4	1.06e+1 ug/dscm 7%O2	3.91e-4 lbs/hr	CE7%O2
Silver	700C1R3	4	4.39e+0 ug/dscm 7%O2	1.58e-4 lbs/hr	CE7%O2
Thallium	700C1R1	ND	5.16e+0 ug/dscm 7%O2	2.04e-4 lbs/hr	CE7%O2
Thallium	700C1R2	ND	1.16e+1 ug/dscm 7%O2	4.28e-4 lbs/hr	CE7%O2
Thallium	700C1R3	ND	5.91e+0 ug/dscm 7%O2	2.12e-4 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: DE
 3. CITY: WILMINGTON EPA ID: DED003930807 REGION: 3
 4. EP ID: 700 DEVICE NAME: INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: SD/RJS/VS/WS

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	700C1R1	6.09e-2 gr/dscf 7%O2	5.51e+0 lbs/hr	CE
Particulate	700C1R2	5.25e-2 gr/dscf 7%O2	4.42e+0 lbs/hr	CE
Particulate	700C1R3	5.81e-2 gr/dscf 7%O2	4.77e+0 lbs/hr	CE
Particulate	700C2R1	3.34e-2 gr/dscf 7%O2	2.75e+0 lbs/hr	CE
Particulate	700C2R2	2.86e-2 gr/dscf 7%O2	2.51e+0 lbs/hr	CE
Particulate	700C2R3	2.83e-2 gr/dscf 7%O2	2.42e+0 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	700C2R1	1.30e+4 ng/dscm 7%O2	4.68e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	700C2R2	ND 9.39e+3 ng/dscm 7%O2	3.60e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	700C2R3	1.41e+4 ng/dscm 7%O2	5.29e-4 lbs/hr	CE7%O2
Chlorobenzene	700C2R1	ND 2.83e+3 ng/dscm 7%O2	1.02e-4 lbs/hr	CE7%O2
Chlorobenzene	700C2R2	ND 2.88e+3 ng/dscm 7%O2	1.10e-4 lbs/hr	CE7%O2
Chlorobenzene	700C2R3	ND 2.80e+3 ng/dscm 7%O2	1.05e-4 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: KY
 3. CITY: LOUISVILLE
 4. EP ID: 356 DEVICE NAME: EPA ID: KYD003924198 REGION: 4
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/AS/FN/S/DM

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	356C1R1	3.50e-2 gr/dscf 7%O2	1.27e+0 lbs/hr	CE
Particulate	356C1R2	3.10e-2 gr/dscf 7%O2	1.18e+0 lbs/hr	CE
Particulate	356C1R3	3.10e-2 gr/dscf 7%O2	1.21e+0 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	356C1R1	4.56e+0 ppmv 7%O2	8.37e-2 lbs/hr	CE7%O2
CO	356C1R2	1.32e+0 ppmv 7%O2	2.55e-2 lbs/hr	CE7%O2
CO	356C1R3	2.70e+0 ppmv 7%O2	5.36e-2 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: LA
 3. CITY: LA PLACE
 4. EP ID: 710 DEVICE NAME: INCINERATOR
 EPA ID: LAD001890367
 SYSTEM TYPE: ONSITE INCINERATOR
 REGION: 6
 APC SYSTEM: QT/OS/C/S

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ALL DEVICES Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	1.16e+2 ppmv 7%O2	1.50e+1 lbs/hr	CC7%O2
Chlorine	710C1R2	1.56e+2 ppmv 7%O2	2.10e+1 lbs/hr	CC7%O2
Chlorine	710C1R3	1.49e+2 ppmv 7%O2	2.07e+1 lbs/hr	CC7%O2
Chlorine	710C2R1	2.01e+2 ppmv 7%O2	2.39e+1 lbs/hr	CC7%O2
Chlorine	710C2R2	1.79e+2 ppmv 7%O2	2.19e+1 lbs/hr	CC7%O2
Chlorine	710C2R3	1.60e+2 ppmv 7%O2	2.06e+1 lbs/hr	CC7%O2
Chlorine	710C3R1	1.15e+2 ppmv 7%O2	1.15e+1 lbs/hr	CC7%O2
Chlorine	710C3R2	1.17e+2 ppmv 7%O2	9.63e+0 lbs/hr	CC7%O2
Chlorine	710C3R3	1.23e+2 ppmv 7%O2	1.12e+1 lbs/hr	CC7%O2
HCl	710C1R1	7.39e+1 ppmv 7%O2	4.90e+0 lbs/hr	CC7%O2
HCl	710C1R2	6.98e+1 ppmv 7%O2	4.82e+0 lbs/hr	CC7%O2
HCl	710C1R3	8.02e+1 ppmv 7%O2	5.71e+0 lbs/hr	CC7%O2
HCl	710C2R1	8.18e+1 ppmv 7%O2	5.02e+0 lbs/hr	CC7%O2
HCl	710C2R2	9.49e+1 ppmv 7%O2	5.97e+0 lbs/hr	CC7%O2
HCl	710C2R3	6.23e+1 ppmv 7%O2	4.12e+0 lbs/hr	CC7%O2
HCl	710C3R1	1.15e+2 ppmv 7%O2	5.89e+0 lbs/hr	CC7%O2
HCl	710C3R2	1.20e+2 ppmv 7%O2	5.05e+0 lbs/hr	CC7%O2
HCl	710C3R3	9.55e+1 ppmv 7%O2	4.48e+0 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	710C1R1	1.77e-2 gr/dscf 7%O2	1.78e+0 lbs/hr	CE
Particulate	710C1R2	1.50e-2 gr/dscf 7%O2	1.57e+0 lbs/hr	CE
Particulate	710C1R3	1.77e-2 gr/dscf 7%O2	1.91e+0 lbs/hr	CE
Particulate	710C2R1	2.12e-2 gr/dscf 7%O2	1.97e+0 lbs/hr	CE
Particulate	710C2R2	2.22e-2 gr/dscf 7%O2	2.12e+0 lbs/hr	CE
Particulate	710C2R3	2.07e-2 gr/dscf 7%O2	2.07e+0 lbs/hr	CE
Particulate	710C3R1	4.41e-2 gr/dscf 7%O2	3.43e+0 lbs/hr	CE
Particulate	710C3R2	4.43e-2 gr/dscf 7%O2	2.84e+0 lbs/hr	CE
Particulate	710C3R3	3.83e-2 gr/dscf 7%O2	2.72e+0 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	710C1R1	1.35e+1 ppmv 7%O2	6.89e-1 lbs/hr	CE7%O2
CO	710C1R2	1.52e+1 ppmv 7%O2	8.06e-1 lbs/hr	CE7%O2
CO	710C1R3	1.49e+1 ppmv 7%O2	8.17e-1 lbs/hr	CE7%O2
CO	710C2R1	9.07e+0 ppmv 7%O2	4.28e-1 lbs/hr	CE7%O2
CO	710C2R2	7.92e+0 ppmv 7%O2	3.83e-1 lbs/hr	CE7%O2
CO	710C2R3	3.38e+1 ppmv 7%O2	1.72e+0 lbs/hr	CE7%O2
CO	710C3R1	1.59e+0 ppmv 7%O2	6.27e-2 lbs/hr	CE7%O2
CO	710C3R2	3.59e+1 ppmv 7%O2	1.17e+0 lbs/hr	CE7%O2
CO	710C3R3	1.02e+1 ppmv 7%O2	3.70e-1 lbs/hr	CE7%O2
CO(MHRA)	710C1R1	1.96e+1 ppmv 7%O2	1.00e+0 lbs/hr	CE7%O2
CO(MHRA)	710C1R2	2.57e+1 ppmv 7%O2	1.36e+0 lbs/hr	CE7%O2
CO(MHRA)	710C1R3	7.00e+1 ppmv 7%O2	3.83e+0 lbs/hr	CE7%O2
CO(MHRA)	710C2R1	1.94e+1 ppmv 7%O2	9.17e-1 lbs/hr	CE7%O2
CO(MHRA)	710C2R2	1.45e+1 ppmv 7%O2	7.03e-1 lbs/hr	CE7%O2
CO(MHRA)	710C2R3	1.29e+2 ppmv 7%O2	6.57e+0 lbs/hr	CE7%O2
CO(MHRA)	710C3R1	1.59e+0 ppmv 7%O2	6.27e-2 lbs/hr	CE7%O2
CO(MHRA)	710C3R2	6.34e+2 ppmv 7%O2	2.06e+1 lbs/hr	CE7%O2
CO(MHRA)	710C3R3	8.71e+1 ppmv 7%O2	3.14e+0 lbs/hr	CE7%O2
THC	710C1R1	5.53e+0 ppmv 7%O2	4.43e-1 lbs/hr	CE7%O2
THC	710C1R2	1.17e+0 ppmv 7%O2	9.74e-2 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT

2. STATE: LA

3. CITY: LA PLACE

EPA ID: LAD001890367

REGION: 6

4. EP ID: 710 DEVICE NAME: INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/OS/C/S

THC	710C1R3	1.15e+0	ppmv 7%O2	9.87e-2	lbs/hr	CE7%O2
THC	710C2R1	6.48e-1	ppmv 7%O2	4.81e-2	lbs/hr	CE7%O2
THC	710C2R2	6.60e-1	ppmv 7%O2	5.02e-2	lbs/hr	CE7%O2
THC	710C2R3	1.81e+0	ppmv 7%O2	1.45e-1	lbs/hr	CE7%O2
THC	710C3R1	1.11e+1	ppmv 7%O2	6.90e-1	lbs/hr	CE7%O2
THC	710C3R2	3.59e+1	ppmv 7%O2	1.84e+0	lbs/hr	CE7%O2
THC	710C3R3	8.54e-1	ppmv 7%O2	4.84e-2	lbs/hr	CE7%O2
THC(MHRA)	710C1R1	9.82e+0	ppmv 7%O2	7.88e-1	lbs/hr	CE7%O2
THC(MHRA)	710C1R2	2.33e+0	ppmv 7%O2	1.95e-1	lbs/hr	CE7%O2
THC(MHRA)	710C1R3	2.30e+0	ppmv 7%O2	1.97e-1	lbs/hr	CE7%O2
THC(MHRA)	710C2R1	1.30e+0	ppmv 7%O2	9.61e-2	lbs/hr	CE7%O2
THC(MHRA)	710C2R2	1.32e+0	ppmv 7%O2	1.00e-1	lbs/hr	CE7%O2
THC(MHRA)	710C2R3	3.62e+0	ppmv 7%O2	2.89e-1	lbs/hr	CE7%O2
THC(MHRA)	710C3R1	5.57e+1	ppmv 7%O2	3.45e+0	lbs/hr	CE7%O2
THC(MHRA)	710C3R2	7.19e+1	ppmv 7%O2	3.67e+0	lbs/hr	CE7%O2
THC(MHRA)	710C3R3	1.71e+0	ppmv 7%O2	9.68e-2	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Benzene	710C1R1	2.61e+4 ng/dscm 7%O2	1.15e-3 lbs/hr	CE7%O2
Benzene	710C1R2	2.08e+4 ng/dscm 7%O2	9.50e-4 lbs/hr	CE7%O2
Benzene	710C1R3	2.29e+4 ng/dscm 7%O2	1.08e-3 lbs/hr	CE7%O2
Benzene	710C2R1	7.54e+3 ng/dscm 7%O2	3.06e-4 lbs/hr	CE7%O2
Benzene	710C2R2	5.78e+3 ng/dscm 7%O2	2.41e-4 lbs/hr	CE7%O2
Benzene	710C2R3	4.40e+4 ng/dscm 7%O2	1.93e-3 lbs/hr	CE7%O2
Benzene	710C3R1	1.21e+4 ng/dscm 7%O2	4.10e-4 lbs/hr	CE7%O2
Benzene	710C3R2	1.92e+4 ng/dscm 7%O2	5.37e-4 lbs/hr	CE7%O2
Benzene	710C3R3	1.46e+4 ng/dscm 7%O2	4.52e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	710C1R1	2.02e+5 ng/dscm 7%O2	8.86e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C1R2	1.51e+5 ng/dscm 7%O2	6.93e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C1R3	1.31e+5 ng/dscm 7%O2	6.15e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C2R1	5.48e+4 ng/dscm 7%O2	2.23e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C2R2	5.06e+4 ng/dscm 7%O2	2.11e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C2R3	4.40e+4 ng/dscm 7%O2	1.93e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C3R1	3.51e+4 ng/dscm 7%O2	1.19e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C3R2	5.52e+4 ng/dscm 7%O2	1.54e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	710C3R3	4.75e+4 ng/dscm 7%O2	1.48e-3 lbs/hr	CE7%O2
Chlorobenzene	710C1R1	4.32e+4 ng/dscm 7%O2	1.90e-3 lbs/hr	CE7%O2
Chlorobenzene	710C1R2	1.37e+4 ng/dscm 7%O2	6.29e-4 lbs/hr	CE7%O2
Chlorobenzene	710C1R3	6.47e+3 ng/dscm 7%O2	3.05e-4 lbs/hr	CE7%O2
Chlorobenzene	710C2R1	1.55e+4 ng/dscm 7%O2	6.30e-4 lbs/hr	CE7%O2
Chlorobenzene	710C2R2	3.65e+3 ng/dscm 7%O2	1.52e-4 lbs/hr	CE7%O2
Chlorobenzene	710C2R3	1.19e+4 ng/dscm 7%O2	5.21e-4 lbs/hr	CE7%O2
Chlorobenzene	710C3R1	6.97e+3 ng/dscm 7%O2	2.37e-4 lbs/hr	CE7%O2
Chlorobenzene	710C3R2	1.08e+4 ng/dscm 7%O2	3.03e-4 lbs/hr	CE7%O2
Chlorobenzene	710C3R3	5.33e+4 ng/dscm 7%O2	1.66e-3 lbs/hr	CE7%O2
Toluene	710C1R1	9.19e+4 ng/dscm 7%O2	4.04e-3 lbs/hr	CE7%O2
Toluene	710C1R2	3.94e+4 ng/dscm 7%O2	1.80e-3 lbs/hr	CE7%O2
Toluene	710C1R3	2.99e+4 ng/dscm 7%O2	1.41e-3 lbs/hr	CE7%O2
Toluene	710C2R1	2.06e+4 ng/dscm 7%O2	8.37e-4 lbs/hr	CE7%O2
Toluene	710C2R2	2.18e+4 ng/dscm 7%O2	9.07e-4 lbs/hr	CE7%O2
Toluene	710C2R3	1.34e+4 ng/dscm 7%O2	5.89e-4 lbs/hr	CE7%O2
Toluene	710C3R1	4.49e+4 ng/dscm 7%O2	1.52e-3 lbs/hr	CE7%O2
Toluene	710C3R2	6.01e+4 ng/dscm 7%O2	1.68e-3 lbs/hr	CE7%O2
Toluene	710C3R3	4.29e+4 ng/dscm 7%O2	1.33e-3 lbs/hr	CE7%O2
Trichlorofluoroethane	710C1R1	ND 0.00e+0	0.00e+0	
Trichlorofluoroethane	710C1R2	ND 0.00e+0	0.00e+0	
Trichlorofluoroethane	710C1R3	ND 0.00e+0	0.00e+0	
Trichlorofluoroethane	710C2R1	ND 0.00e+0	0.00e+0	
Trichlorofluoroethane	710C2R2	ND 0.00e+0	0.00e+0	
Trichlorofluoroethane	710C2R3	ND 0.00e+0	0.00e+0	

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: LA
 3. CITY: LA PLACE
 4. EP ID: 710 DEVICE NAME: INCINERATOR

EPA ID: LAD001890367

REGION: 6

SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/OS/C/S

Trichlorofluoroethane	710C3R1	ND	0.00e+0	0.00e+0	
Trichlorofluoroethane	710C3R2	ND	0.00e+0	0.00e+0	
Trichlorofluoroethane	710C3R3	ND	0.00e+0	0.00e+0	

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: NJ
 3. CITY: DEEPWATER EPA NJD002385730 REGION: 2
 4. EP ID: 339 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: AT/PT/RJS/ESP

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: INCINERATOR Location: STACK Phase: GAS
 7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	339C1R4	1.15e-1 ppmv 7%O2	5.53e-3 lbs/hr	CC7%O2
Chlorine	339C1R5	1.32e-2 ppmv 7%O2	6.50e-4 lbs/hr	CC7%O2
Chlorine	339C1R6	1.22e-2 ppmv 7%O2	6.00e-4 lbs/hr	CC7%O2
HCl	339C1R1	2.22e+0 ppmv 7%O2	5.10e-2 lbs/hr	CC7%O2
HCl	339C1R2	1.74e+1 ppmv 7%O2	4.23e-1 lbs/hr	CC7%O2
HCl	339C1R3	4.27e+1 ppmv 7%O2	1.01e+0 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	339C1R1	2.09e-3 gr/dscf 7%O2	7.26e-2 lbs/hr	CC7%O2
Particulate	339C1R2	3.26e-3 gr/dscf 7%O2	1.20e-1 lbs/hr	CC7%O2
Particulate	339C1R3	2.92e-3 gr/dscf 7%O2	1.05e-1 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
THC	339C1R1	1.06e+0 ppmv 7%O2	2.95e-2 lbs/hr	CE7%O2
THC	339C1R2	2.29e+0 ppmv 7%O2	6.73e-2 lbs/hr	CE7%O2
THC	339C1R3	1.41e+0 ppmv 7%O2	4.06e-2 lbs/hr	CE7%O2
THC	339C1R4	6.14e-1 ppmv 7%O2	1.83e-2 lbs/hr	CE7%O2
THC	339C1R5	8.82e-1 ppmv 7%O2	2.69e-2 lbs/hr	CE7%O2
THC	339C1R6	1.61e+0 ppmv 7%O2	4.95e-2 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	339C1R1	2.25e+5 ng/dscm 7%O2	3.42e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	339C1R2	2.01e+5 ng/dscm 7%O2	3.24e-3 lbs/hr	CE7%O2
Carbon Tetrachloride	339C1R3	2.29e+5 ng/dscm 7%O2	3.59e-3 lbs/hr	CE7%O2
o-Dichlorobenzene	339C1R1	4.65e+4 ng/dscm 7%O2	7.07e-4 lbs/hr	CE7%O2
o-Dichlorobenzene	339C1R2	9.32e+4 ng/dscm 7%O2	1.50e-3 lbs/hr	CE7%O2
o-Dichlorobenzene	339C1R3	6.11e+4 ng/dscm 7%O2	9.60e-4 lbs/hr	CE7%O2
Toluene	339C1R1	8.27e+4 ng/dscm 7%O2	1.26e-3 lbs/hr	CE7%O2
Toluene	339C1R2	3.69e+4 ng/dscm 7%O2	5.94e-4 lbs/hr	CE7%O2
Toluene	339C1R3	1.75e+4 ng/dscm 7%O2	2.75e-4 lbs/hr	CE7%O2
Trichlorofluoromethane	339C1R1	1.45e+5 ng/dscm 7%O2	2.20e-3 lbs/hr	CE7%O2
Trichlorofluoromethane	339C1R2	3.60e+4 ng/dscm 7%O2	5.80e-4 lbs/hr	CE7%O2
Trichlorofluoromethane	339C1R3	3.81e+4 ng/dscm 7%O2	5.98e-4 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: LA PORTE
 4. EP ID: 350 DEVICE NAME: VINYL INCINERATOR EPA ID: TXD008079212 REGION: 6
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/HE/FF

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS
 7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	350C1R1	1.00e-3 gr/dscf 7%O2	7.94e-2 lbs/hr	CE
Particulate	350C1R2	1.30e-3 gr/dscf 7%O2	1.18e-1 lbs/hr	CE
Particulate	350C1R3	2.50e-3 gr/dscf 7%O2	2.21e-1 lbs/hr	CE
Particulate	350C2R1	5.00e-4 gr/dscf 7%O2	4.04e-2 lbs/hr	CE
Particulate	350C2R2	7.00e-4 gr/dscf 7%O2	5.89e-2 lbs/hr	CE
Particulate	350C2R3	4.00e-4 gr/dscf 7%O2	3.26e-2 lbs/hr	CE
Particulate	350C3R1	4.00e-4 gr/dscf 7%O2	2.99e-2 lbs/hr	CE
Particulate	350C3R2	2.00e-4 gr/dscf 7%O2	1.89e-2 lbs/hr	CE
Particulate	350C3R3	1.50e-3 gr/dscf 7%O2	1.18e-1 lbs/hr	CE
Particulate	350C4R1	7.00e-4 gr/dscf 7%O2	4.94e-2 lbs/hr	CE
Particulate	350C4R2	6.00e-4 gr/dscf 7%O2	4.42e-2 lbs/hr	CE
Particulate	350C4R3	1.20e-3 gr/dscf 7%O2	8.92e-2 lbs/hr	CE
Particulate	350C5R1	9.00e-4 gr/dscf 7%O2	6.15e-2 lbs/hr	CE
Particulate	350C5R2	7.00e-4 gr/dscf 7%O2	4.69e-2 lbs/hr	CE
Particulate	350C5R3	7.00e-4 gr/dscf 7%O2	5.05e-2 lbs/hr	CE
Particulate	350C6R2	7.00e-4 gr/dscf 7%O2	4.49e-2 lbs/hr	CE
Particulate	350C6R3	5.00e-4 gr/dscf 7%O2	3.20e-2 lbs/hr	CE
Particulate	350C7R1	1.38e-2 gr/dscf 7%O2	6.67e-1 lbs/hr	CE
Particulate	350C7R2	1.19e-2 gr/dscf 7%O2	0.00e+0	
Particulate	350C7R3	1.25e-2 gr/dscf 7%O2	6.14e-1 lbs/hr	CE
Particulate	350C8R1	9.00e-4 gr/dscf 7%O2	5.12e-2 lbs/hr	CE
Particulate	350C8R2	1.20e-3 gr/dscf 7%O2	6.94e-2 lbs/hr	CE
Particulate	350C8R3	7.00e-4 gr/dscf 7%O2	3.96e-2 lbs/hr	CE
Particulate	350C9R1	1.30e-3 gr/dscf 7%O2	7.03e-2 lbs/hr	CE
Particulate	350C9R2	8.00e-4 gr/dscf 7%O2	4.34e-2 lbs/hr	CE
Particulate	350C9R3	3.13e-6 gr/dscf 7%O2	1.72e-4 lbs/hr	CC7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
p-Benzoquinone	350C1R1	ND 2.67e+3 ng/dscm 7%O2	9.26e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C1R2	ND 2.60e+3 ng/dscm 7%O2	1.03e-4 lbs/hr	CC7%O2
p-Benzoquinone	350C1R3	ND 2.51e+3 ng/dscm 7%O2	9.66e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C2R1	ND 2.78e+3 ng/dscm 7%O2	9.79e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C2R2	ND 2.67e+3 ng/dscm 7%O2	9.79e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C2R3	ND 2.75e+3 ng/dscm 7%O2	9.79e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C3R1	ND 3.04e+3 ng/dscm 7%O2	9.92e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C3R2	ND 2.31e+3 ng/dscm 7%O2	9.53e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C3R3	ND 2.73e+3 ng/dscm 7%O2	9.39e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C4R1	ND 3.09e+3 ng/dscm 7%O2	9.53e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C4R2	ND 3.08e+3 ng/dscm 7%O2	9.92e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C4R3	ND 2.94e+3 ng/dscm 7%O2	9.53e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C5R1	ND 3.29e+3 ng/dscm 7%O2	9.79e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C5R2	ND 3.35e+3 ng/dscm 7%O2	9.79e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C5R3	ND 1.67e+6 ng/dscm 7%O2	5.27e-2 lbs/hr	CE
p-Benzoquinone	350C6R1	ND 3.38e+3 ng/dscm 7%O2	9.26e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C6R2	ND 3.40e+3 ng/dscm 7%O2	9.53e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C6R3	ND 3.46e+3 ng/dscm 7%O2	9.66e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C7R1	ND 3.77e+3 ng/dscm 7%O2	7.94e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C7R2	ND 0.00e+0	7.94e-5 lbs/hr	
p-Benzoquinone	350C7R3	ND 3.70e+3 ng/dscm 7%O2	7.94e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C8R1	ND 2.45e+3 ng/dscm 7%O2	6.09e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C8R2	ND 3.46e+3 ng/dscm 7%O2	8.73e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C8R3	ND 3.54e+3 ng/dscm 7%O2	8.73e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C9R1	ND 4.09e+3 ng/dscm 7%O2	9.66e-5 lbs/hr	CC7%O2
p-Benzoquinone	350C9R2	ND 4.08e+3 ng/dscm 7%O2	9.66e-5 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: LA PORTE
 4. EP ID: 350

DEVICE NAME: VINYL INCINERATOR

EPA ID: TXD008079212
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB/HE/FF

REGION: 6

p-Benzoquinone	350C9R3	ND	4.03e+3	ng/dscm	7%O2	9.66e-5	lbs/hr	CC7%O2
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7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
⊘	350C1R1	3.94e+2	ppmv 7%O2	1.58e+1 lbs/hr	CE7%O2
⊘	350C1R2	1.93e+1	ppmv 7%O2	8.90e-1 lbs/hr	CE7%O2
⊘	350C1R3	7.74e+0	ppmv 7%O2	3.47e-1 lbs/hr	CE7%O2
⊘	350C2R1	9.10e+0	ppmv 7%O2	3.72e-1 lbs/hr	CE7%O2
⊘	350C2R2	2.82e+0	ppmv 7%O2	1.20e-1 lbs/hr	CE7%O2
⊘	350C2R3	2.17e+0	ppmv 7%O2	8.97e-2 lbs/hr	CE7%O2
⊘	350C3R1	ND	1.06e+0 ppmv 7%O2	4.02e-2 lbs/hr	CE7%O2
⊘	350C3R2	ND	1.04e+0 ppmv 7%O2	4.98e-2 lbs/hr	CE7%O2
⊘	350C3R3	ND	1.02e+0 ppmv 7%O2	4.06e-2 lbs/hr	CE7%O2
⊘	350C4R1	ND	1.10e+0 ppmv 7%O2	3.95e-2 lbs/hr	CE7%O2
⊘	350C4R2	ND	1.10e+0 ppmv 7%O2	4.12e-2 lbs/hr	CE7%O2
⊘	350C4R3	ND	1.05e+0 ppmv 7%O2	3.94e-2 lbs/hr	CE7%O2
⊘	350C5R1	ND	1.04e+0 ppmv 7%O2	3.59e-2 lbs/hr	CE7%O2
⊘	350C5R2	ND	1.02e+0 ppmv 7%O2	3.47e-2 lbs/hr	CE7%O2
⊘	350C5R3	ND	1.02e+0 ppmv 7%O2	3.72e-2 lbs/hr	CE7%O2
⊘	350C6R1	ND	1.12e+0 ppmv 7%O2	3.56e-2 lbs/hr	CE7%O2
⊘	350C6R2	ND	1.11e+0 ppmv 7%O2	3.62e-2 lbs/hr	CE7%O2
⊘	350C6R3	ND	1.09e+0 ppmv 7%O2	3.55e-2 lbs/hr	CE7%O2
⊘	350C7R1	ND	1.25e+0 ppmv 7%O2	3.06e-2 lbs/hr	CE7%O2
⊘	350C7R2	ND	1.00e+0 ppmv	0.00e+0	
⊘	350C7R3	ND	1.25e+0 ppmv 7%O2	3.11e-2 lbs/hr	CE7%O2
⊘	350C8R1	ND	1.33e+0 ppmv 7%O2	3.85e-2 lbs/hr	CE7%O2
⊘	350C8R2	ND	1.35e+0 ppmv 7%O2	3.95e-2 lbs/hr	CE7%O2
⊘	350C8R3	ND	1.35e+0 ppmv 7%O2	3.86e-2 lbs/hr	CE7%O2
⊘	350C9R1	ND	1.35e+0 ppmv 7%O2	3.70e-2 lbs/hr	CE7%O2
⊘	350C9R2	ND	1.35e+0 ppmv 7%O2	3.70e-2 lbs/hr	CE7%O2
⊘	350C9R3	ND	1.36e+0 ppmv 7%O2	3.79e-2 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: LA PORTE EPA TXD008079212 REGION: 6
 4. EP ID: 702 DEVICE NAME: THF INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/S/C

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS
 7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	702A1R1	5.30e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A1R2	4.40e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A1R3	4.30e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A2R1	5.10e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A2R2	2.80e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A2R3	4.60e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A3R1	2.30e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A3R2	2.10e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702A3R3	2.30e-2 gr/dscf 7%O2	0.00e+0	
Particulate	702C6R1	8.05e-2 gr/dscf 7%O2	6.83e+0 lbs/hr	CE7%O2
Particulate	702C6R2	1.04e-1 gr/dscf 7%O2	7.33e+0 lbs/hr	CE7%O2
Particulate	702C6R3	9.15e-2 gr/dscf 7%O2	8.84e+0 lbs/hr	CE7%O2
Particulate	702C6R4	8.40e-2 gr/dscf 7%O2	8.23e+0 lbs/hr	CE7%O2
Particulate	702C7R1	6.63e-2 gr/dscf 7%O2	4.90e+0 lbs/hr	CE7%O2
Particulate	702C7R2	4.14e-2 gr/dscf 7%O2	2.81e+0 lbs/hr	CE7%O2
Particulate	702C7R3	1.07e-1 gr/dscf 7%O2	9.86e+0 lbs/hr	CE7%O2
Particulate	702C8R1	8.10e-2 gr/dscf 7%O2	6.88e+0 lbs/hr	CE7%O2
Particulate	702C8R2	1.32e-1 gr/dscf 7%O2	1.19e+1 lbs/hr	CE7%O2
Particulate	702C8R3	1.15e-1 gr/dscf 7%O2	1.01e+1 lbs/hr	CE7%O2
Particulate	702C9R1	1.89e-1 gr/dscf 7%O2	1.67e+1 lbs/hr	CE7%O2
Particulate	702C9R2	1.86e-1 gr/dscf 7%O2	1.69e+1 lbs/hr	CE7%O2
Particulate	702C9R3	1.88e-1 gr/dscf 7%O2	1.54e+1 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Formaldehyde	702C1R1	2.33e+5 ng/dscm 7%O2	1.08e-2 lbs/hr	CE7%O2
Formaldehyde	702C1R2	2.97e+5 ng/dscm 7%O2	1.62e-2 lbs/hr	CE7%O2
Formaldehyde	702C1R3	3.74e+5 ng/dscm 7%O2	1.89e-2 lbs/hr	CE7%O2
Formaldehyde	702C2R1	4.20e+5 ng/dscm 7%O2	1.67e-2 lbs/hr	CE7%O2
Formaldehyde	702C2R2	5.32e+5 ng/dscm 7%O2	1.89e-2 lbs/hr	CE7%O2
Formaldehyde	702C2R3	4.03e+5 ng/dscm 7%O2	1.48e-2 lbs/hr	CE7%O2
Formaldehyde	702C3R1	2.19e+5 ng/dscm 7%O2	9.20e-3 lbs/hr	CE7%O2
Formaldehyde	702C3R2	4.95e+5 ng/dscm 7%O2	1.77e-2 lbs/hr	CE7%O2
Formaldehyde	702C3R3	2.24e+5 ng/dscm 7%O2	9.48e-3 lbs/hr	CE7%O2
Formaldehyde	702C4R1	4.10e+5 ng/dscm 7%O2	2.07e-2 lbs/hr	CE7%O2
Formaldehyde	702C4R2	6.06e+5 ng/dscm 7%O2	2.45e-2 lbs/hr	CE7%O2
Formaldehyde	702C4R3	4.65e+5 ng/dscm 7%O2	2.25e-2 lbs/hr	CE7%O2
Formaldehyde	702C5R1	6.84e+5 ng/dscm 7%O2	2.43e-2 lbs/hr	CE7%O2
Formaldehyde	702C5R2	5.24e+5 ng/dscm 7%O2	1.87e-2 lbs/hr	CE7%O2
Formaldehyde	702C5R3	5.75e+5 ng/dscm 7%O2	1.58e-2 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: LA PORTE EPA ID: TXD008079212 REGION: 6
 4. EP ID: 707 DEVICE NAME: CENTRAL SCRUBBED INC SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/WS

5. Type: CONTROLLED
 6. Description: EMISSIONS Process Group: LIQUID INJECTION Location: STACK Phase: GAS
 7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	707A1R1	6.94e+0 ppmv 7%O2	8.40e-1 lbs/hr	CC7%O2
HCl	707A1R2	5.26e+0 ppmv 7%O2	6.30e-1 lbs/hr	CC7%O2
HCl	707A1R3	7.58e+0 ppmv 7%O2	8.80e-1 lbs/hr	CC7%O2
HCl	707A2R1	2.44e+0 ppmv 7%O2	2.30e-1 lbs/hr	CC7%O2
HCl	707A2R2	3.32e+0 ppmv 7%O2	3.70e-1 lbs/hr	CC7%O2
HCl	707A2R3	1.98e+0 ppmv 7%O2	2.30e-1 lbs/hr	CC7%O2
HCl	707C1R1	5.26e-1 ppmv 7%O2	7.00e-2 lbs/hr	CC7%O2
HCl	707C1R2	3.30e+0 ppmv 7%O2	4.30e-1 lbs/hr	CC7%O2
HCl	707C1R3	7.82e-1 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
HCl	707C2R1	9.31e+0 ppmv 7%O2	1.16e+0 lbs/hr	CC7%O2
HCl	707C2R2	3.12e+0 ppmv 7%O2	3.90e-1 lbs/hr	CC7%O2
HCl	707C2R3	9.49e+0 ppmv 7%O2	1.19e+0 lbs/hr	CC7%O2
HCl	707C3R1	1.92e+1 ppmv 7%O2	8.30e-1 lbs/hr	CC7%O2
HCl	707C3R2	8.55e+0 ppmv 7%O2	1.17e+0 lbs/hr	CC7%O2
HCl	707C3R3	8.83e+0 ppmv 7%O2	1.12e+0 lbs/hr	CC7%O2
HCl	707C4R1	1.24e+1 ppmv 7%O2	1.33e+0 lbs/hr	CC7%O2
HCl	707C4R2	9.96e+0 ppmv 7%O2	1.19e+0 lbs/hr	CC7%O2
HCl	707C4R3	1.09e+1 ppmv 7%O2	1.33e+0 lbs/hr	CC7%O2
HCl	707C7R1	5.76e-1 ppmv 7%O2	8.00e-2 lbs/hr	CC7%O2
HCl	707C7R2	4.59e-1 ppmv 7%O2	6.00e-2 lbs/hr	CC7%O2
HCl	707C7R3	5.09e-1 ppmv 7%O2	7.00e-2 lbs/hr	CC7%O2
HCl	707C8R1	6.80e-1 ppmv 7%O2	9.00e-2 lbs/hr	CC7%O2
HCl	707C8R2	5.82e-1 ppmv 7%O2	7.00e-2 lbs/hr	CC7%O2
HCl	707C8R3	1.15e+1 ppmv 7%O2	1.18e+0 lbs/hr	CC7%O2
HCl	707C9R1	3.62e+0 ppmv 7%O2	4.10e-1 lbs/hr	CC7%O2
HCl	707C9R2	5.13e+0 ppmv 7%O2	6.00e-1 lbs/hr	CC7%O2
HCl	707C9R3	1.22e+1 ppmv 7%O2	1.56e+0 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	707A1R1	4.86e-2 gr/dscf 7%O2	8.91e+0 lbs/hr	CE
Particulate	707A1R2	4.57e-2 gr/dscf 7%O2	8.29e+0 lbs/hr	CE
Particulate	707A1R3	4.26e-2 gr/dscf 7%O2	7.50e+0 lbs/hr	CE
Particulate	707A2R1	3.81e-2 gr/dscf 7%O2	5.44e+0 lbs/hr	CE
Particulate	707A2R2	3.21e-2 gr/dscf 7%O2	5.43e+0 lbs/hr	CE
Particulate	707A2R3	2.80e-2 gr/dscf 7%O2	4.93e+0 lbs/hr	CE
Particulate	707C1R1	4.86e-2 gr/dscf 7%O2	9.80e+0 lbs/hr	CE
Particulate	707C1R2	3.95e-2 gr/dscf 7%O2	7.80e+0 lbs/hr	CE
Particulate	707C1R3	2.62e-2 gr/dscf 7%O2	5.08e+0 lbs/hr	CE
Particulate	707C2R1	3.03e-2 gr/dscf 7%O2	5.72e+0 lbs/hr	CE
Particulate	707C2R2	3.50e-2 gr/dscf 7%O2	6.63e+0 lbs/hr	CE
Particulate	707C2R3	3.58e-2 gr/dscf 7%O2	6.80e+0 lbs/hr	CE
Particulate	707C3R1	1.98e-2 gr/dscf 7%O2	1.29e+0 lbs/hr	CE
Particulate	707C3R2	9.70e-3 gr/dscf 7%O2	2.01e+0 lbs/hr	CE
Particulate	707C3R3	1.52e-2 gr/dscf 7%O2	2.92e+0 lbs/hr	CE
Particulate	707C4R1	3.78e-2 gr/dscf 7%O2	6.13e+0 lbs/hr	CE
Particulate	707C4R2	3.63e-2 gr/dscf 7%O2	6.58e+0 lbs/hr	CE
Particulate	707C4R3	3.61e-2 gr/dscf 7%O2	6.69e+0 lbs/hr	CE
Particulate	707C7R1	3.00e-2 gr/dscf 7%O2	6.32e+0 lbs/hr	CE
Particulate	707C7R2	2.97e-2 gr/dscf 7%O2	5.89e+0 lbs/hr	CE
Particulate	707C7R3	2.59e-2 gr/dscf 7%O2	5.40e+0 lbs/hr	CE
Particulate	707C8R1	4.26e-2 gr/dscf 7%O2	8.55e+0 lbs/hr	CE
Particulate	707C8R2	4.71e-2 gr/dscf 7%O2	8.59e+0 lbs/hr	CE
Particulate	707C8R3	4.50e-2 gr/dscf 7%O2	6.99e+0 lbs/hr	CE
Particulate	707C9R1	5.59e+0 gr/dscf 7%O2	9.59e+2 lbs/hr	CE

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: LA PORTE
 4. EP ID: 707

DEVICE NAME: CENTRAL SCRUBBED INC

EPA ID: TXD008079212
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/WS

REGION: 6

Particulate	707C9R2	2.92e-2	gr/dscf 7%O2	5.18e+0	lbs/hr	CE
Particulate	707C9R3	8.50e-2	gr/dscf 7%O2	1.64e+1	lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
⊘	707A1R1	9.78e+3	ppmv 7%O2	9.10e+2	lbs/hr	CE7%O2
⊘	707A1R2	9.06e+3	ppmv 7%O2	8.34e+2	lbs/hr	CE7%O2
⊘	707A1R3	1.13e+4	ppmv 7%O2	1.01e+3	lbs/hr	CE7%O2
⊘	707A2R1	4.38e+3	ppmv 7%O2	3.17e+2	lbs/hr	CE7%O2
⊘	707A2R2	3.32e+3	ppmv 7%O2	2.85e+2	lbs/hr	CE7%O2
⊘	707A2R3	3.49e+3	ppmv 7%O2	3.12e+2	lbs/hr	CE7%O2
⊘	707A3R1	7.27e+3	ppmv	0.00e+0		
⊘	707A3R2	7.77e+3	ppmv	0.00e+0		
⊘	707A3R3	7.60e+3	ppmv	0.00e+0		
⊘	707A4R1	3.32e+3	ppmv	0.00e+0		
⊘	707A4R2	2.95e+3	ppmv	0.00e+0		
⊘	707A4R3	3.94e+3	ppmv	0.00e+0		
⊘	707A5R1	1.74e+3	ppmv	0.00e+0		
⊘	707A5R2	2.03e+3	ppmv	0.00e+0		
⊘	707A5R3	1.78e+3	ppmv	0.00e+0		
⊘	707A6R1	5.57e+3	ppmv	0.00e+0		
⊘	707A6R2	6.83e+3	ppmv	0.00e+0		
⊘	707A6R3	6.87e+3	ppmv	0.00e+0		
⊘	707C1R1	9.95e+3	ppmv 7%O2	1.02e+3	lbs/hr	CE7%O2
⊘	707C1R2	9.55e+3	ppmv 7%O2	9.56e+2	lbs/hr	CE7%O2
⊘	707C1R3	1.17e+4	ppmv 7%O2	1.15e+3	lbs/hr	CE7%O2
⊘	707C2R1	6.67e+3	ppmv 7%O2	6.39e+2	lbs/hr	CE7%O2
⊘	707C2R2	7.62e+3	ppmv 7%O2	7.32e+2	lbs/hr	CE7%O2
⊘	707C2R3	5.86e+3	ppmv 7%O2	5.65e+2	lbs/hr	CE7%O2
⊘	707C3R1	5.64e+3	ppmv 7%O2	1.87e+2	lbs/hr	CE7%O2
⊘	707C3R2	6.07e+3	ppmv 7%O2	6.39e+2	lbs/hr	CE7%O2
⊘	707C3R3	5.65e+3	ppmv 7%O2	5.51e+2	lbs/hr	CE7%O2
⊘	707C4R1	3.48e+3	ppmv 7%O2	2.86e+2	lbs/hr	CE7%O2
⊘	707C4R2	4.80e+3	ppmv 7%O2	4.41e+2	lbs/hr	CE7%O2
⊘	707C4R3	4.29e+3	ppmv 7%O2	4.03e+2	lbs/hr	CE7%O2
⊘	707C7R1	1.04e+4	ppmv 7%O2	1.11e+3	lbs/hr	CE7%O2
⊘	707C7R2	1.12e+4	ppmv 7%O2	1.13e+3	lbs/hr	CE7%O2
⊘	707C7R3	9.43e+3	ppmv 7%O2	9.97e+2	lbs/hr	CE7%O2
⊘	707C8R1	9.81e+3	ppmv 7%O2	9.98e+2	lbs/hr	CE7%O2
⊘	707C8R2	8.68e+3	ppmv 7%O2	8.03e+2	lbs/hr	CE7%O2
⊘	707C8R3	1.03e+4	ppmv 7%O2	8.07e+2	lbs/hr	CE7%O2
⊘	707C9R1	1.11e+4	ppmv 7%O2	9.64e+2	lbs/hr	CE7%O2
⊘	707C9R2	1.14e+4	ppmv 7%O2	1.03e+3	lbs/hr	CE7%O2
⊘	707C9R3	8.84e+3	ppmv 7%O2	8.66e+2	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	707A3R1	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A3R2	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A3R3	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A4R1	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A4R2	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A4R3	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A5R1	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A5R2	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A5R3	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A6R1	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A6R2	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707A6R3	0.00e+0		2.65e-5	lbs/hr	
Carbon Tetrachloride	707C2R1	3.21e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: LA PORTE
 4. EP ID: 707

DEVICE NAME: CENTRAL SCRUBBED INC

EPA ID: TXD008079212
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/WS

REGION: 6

Carbon Tetrachloride	707C2R2	3.20e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C2R3	3.19e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C3R1	9.27e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C3R2	2.92e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C3R3	3.15e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C4R1	3.74e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C4R2	3.35e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C4R3	3.27e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C9R1	3.54e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C9R2	3.42e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	707C9R3	3.14e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
o-Dichlorobenzene	707A3R1	0.00e+0		9.26e-5	lbs/hr	
o-Dichlorobenzene	707A3R2	0.00e+0		1.06e-4	lbs/hr	
o-Dichlorobenzene	707A3R3	0.00e+0		2.78e-4	lbs/hr	
o-Dichlorobenzene	707A4R1	0.00e+0		2.65e-5	lbs/hr	
o-Dichlorobenzene	707A4R2	0.00e+0		2.65e-5	lbs/hr	
o-Dichlorobenzene	707A4R3	0.00e+0		2.65e-5	lbs/hr	
o-Dichlorobenzene	707A5R1	0.00e+0		2.65e-5	lbs/hr	
o-Dichlorobenzene	707A5R2	0.00e+0		2.65e-5	lbs/hr	
o-Dichlorobenzene	707A5R3	0.00e+0		2.65e-5	lbs/hr	
o-Dichlorobenzene	707A6R1	0.00e+0		1.61e-2	lbs/hr	
o-Dichlorobenzene	707A6R2	0.00e+0		2.57e-2	lbs/hr	
o-Dichlorobenzene	707A6R3	0.00e+0		1.17e-2	lbs/hr	
o-Dichlorobenzene	707C2R1	6.26e+3	ng/dscm 7%O2	5.16e-4	lbs/hr	CC7%O2
o-Dichlorobenzene	707C2R2	4.80e+2	ng/dscm 7%O2	3.97e-5	lbs/hr	CC7%O2
o-Dichlorobenzene	707C2R3	3.19e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
o-Dichlorobenzene	707C3R1	3.47e+5	ng/dscm 7%O2	9.91e-3	lbs/hr	CC7%O2
o-Dichlorobenzene	707C3R2	3.05e+5	ng/dscm 7%O2	2.76e-2	lbs/hr	CC7%O2
o-Dichlorobenzene	707C3R3	1.68e+5	ng/dscm 7%O2	1.41e-2	lbs/hr	CC7%O2
o-Dichlorobenzene	707C4R1	3.74e+2	ng/dscm 7%O2	2.65e-5	lbs/hr	CC7%O2
o-Dichlorobenzene	707C4R2	1.03e+5	ng/dscm 7%O2	8.12e-3	lbs/hr	CC7%O2
o-Dichlorobenzene	707C4R3	2.98e+5	ng/dscm 7%O2	2.41e-2	lbs/hr	CC7%O2
o-Dichlorobenzene	707C9R1	2.90e+4	ng/dscm 7%O2	2.17e-3	lbs/hr	CC7%O2
o-Dichlorobenzene	707C9R2	6.84e+3	ng/dscm 7%O2	5.29e-4	lbs/hr	CC7%O2
o-Dichlorobenzene	707C9R3	1.37e+4	ng/dscm 7%O2	1.15e-3	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: ORANGE
 4. EP ID: 338 DEVICE NAME:

EPA ID: TXD008081101
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 6
 APC SYSTEM: QC/FF/SS/C/HES/DM

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	338C1R1	5.95e-2 ppmv 7%O2	2.40e-2 lbs/hr	CC7%O2
Chlorine	338C1R2	ND 4.84e-2 ppmv 7%O2	2.00e-2 lbs/hr	CC7%O2
Chlorine	338C1R3	ND 4.83e-2 ppmv 7%O2	2.00e-2 lbs/hr	CC7%O2
Chlorine	338C2R1	ND 5.94e-2 ppmv 7%O2	2.10e-2 lbs/hr	CC7%O2
Chlorine	338C2R2	ND 4.97e-2 ppmv 7%O2	1.80e-2 lbs/hr	CC7%O2
Chlorine	338C2R3	ND 4.95e-2 ppmv 7%O2	1.80e-2 lbs/hr	CC7%O2
HCl	338C1R1	ND 1.45e-1 ppmv 7%O2	3.00e-2 lbs/hr	CC7%O2
HCl	338C1R2	ND 1.37e-1 ppmv 7%O2	2.90e-2 lbs/hr	CC7%O2
HCl	338C1R3	ND 1.27e-1 ppmv 7%O2	2.70e-2 lbs/hr	CC7%O2
HCl	338C2R1	ND 1.65e-1 ppmv 7%O2	3.00e-2 lbs/hr	CC7%O2
HCl	338C2R2	ND 1.61e-1 ppmv 7%O2	3.00e-2 lbs/hr	CC7%O2
HCl	338C2R3	ND 1.55e-1 ppmv 7%O2	2.90e-2 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	338C1R1	ND 3.50e+1 ug/dscm 7%O2	4.80e-3 lbs/hr	CC7%O2
Antimony	338C1R2	ND 3.13e+1 ug/dscm 7%O2	4.40e-3 lbs/hr	CC7%O2
Antimony	338C1R3	ND 2.77e+1 ug/dscm 7%O2	3.90e-3 lbs/hr	CC7%O2
Antimony	338C2R1	ND 3.91e+1 ug/dscm 7%O2	4.70e-3 lbs/hr	CC7%O2
Antimony	338C2R2	ND 3.17e+1 ug/dscm 7%O2	3.90e-3 lbs/hr	CC7%O2
Antimony	338C2R3	ND 3.64e+1 ug/dscm 7%O2	4.50e-3 lbs/hr	CC7%O2
Arsenic	338C1R1	ND 2.33e+1 ug/dscm 7%O2	3.20e-3 lbs/hr	CC7%O2
Arsenic	338C1R2	ND 2.06e+1 ug/dscm 7%O2	2.90e-3 lbs/hr	CC7%O2
Arsenic	338C1R3	ND 1.85e+1 ug/dscm 7%O2	2.60e-3 lbs/hr	CC7%O2
Arsenic	338C2R1	ND 2.58e+1 ug/dscm 7%O2	3.10e-3 lbs/hr	CC7%O2
Arsenic	338C2R2	ND 2.11e+1 ug/dscm 7%O2	2.60e-3 lbs/hr	CC7%O2
Arsenic	338C2R3	ND 2.43e+1 ug/dscm 7%O2	3.00e-3 lbs/hr	CC7%O2
Barium	338C1R1	2.19e+0 ug/dscm 7%O2	3.00e-4 lbs/hr	CC7%O2
Barium	338C1R2	2.85e+0 ug/dscm 7%O2	4.00e-4 lbs/hr	CC7%O2
Barium	338C1R3	2.13e+0 ug/dscm 7%O2	3.00e-4 lbs/hr	CC7%O2
Barium	338C2R1	4.16e+0 ug/dscm 7%O2	5.00e-4 lbs/hr	CC7%O2
Barium	338C2R2	4.06e+0 ug/dscm 7%O2	5.00e-4 lbs/hr	CC7%O2
Barium	338C2R3	2.43e+0 ug/dscm 7%O2	3.00e-4 lbs/hr	CC7%O2
Beryllium	338C1R1	ND 1.46e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Beryllium	338C1R2	ND 7.12e-1 ug/dscm 7%O2	1.00e-4 lbs/hr	CC7%O2
Beryllium	338C1R3	ND 7.11e-1 ug/dscm 7%O2	1.00e-4 lbs/hr	CC7%O2
Beryllium	338C2R1	ND 1.33e+0 ug/dscm 7%O2	1.60e-4 lbs/hr	CC7%O2
Beryllium	338C2R2	ND 8.13e-1 ug/dscm 7%O2	1.00e-4 lbs/hr	CC7%O2
Beryllium	338C2R3	ND 8.09e-1 ug/dscm 7%O2	1.00e-4 lbs/hr	CC7%O2
Cadmium	338C1R1	ND 1.46e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Cadmium	338C1R2	ND 1.42e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Cadmium	338C1R3	ND 1.42e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Cadmium	338C2R1	ND 1.66e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Cadmium	338C2R2	ND 1.63e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Cadmium	338C2R3	ND 1.62e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Chromium	338C1R1	1.97e+1 ug/dscm 7%O2	2.70e-3 lbs/hr	CC7%O2
Chromium	338C1R2	1.14e+1 ug/dscm 7%O2	1.60e-3 lbs/hr	CC7%O2
Chromium	338C1R3	1.01e+2 ug/dscm 7%O2	1.42e-2 lbs/hr	CC7%O2
Chromium	338C2R1	1.50e+1 ug/dscm 7%O2	1.80e-3 lbs/hr	CC7%O2
Chromium	338C2R2	8.94e+0 ug/dscm 7%O2	1.10e-3 lbs/hr	CC7%O2
Chromium	338C2R3	1.05e+1 ug/dscm 7%O2	1.30e-3 lbs/hr	CC7%O2
Lead	338C1R1	ND 2.92e+1 ug/dscm 7%O2	4.00e-3 lbs/hr	CC7%O2
Lead	338C1R2	ND 2.63e+1 ug/dscm 7%O2	3.70e-3 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: ORANGE
 4. EP ID: 338

EPA TXD008081101
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 6
 APC SYSTEM: QC/FF/SS/C/HES/DM

Lead	338C1R3	ND	2.28e+1	ug/dscm	7%O2	3.20e-3	lbs/hr	CC7%O2
Lead	338C2R1	ND	3.24e+1	ug/dscm	7%O2	3.90e-3	lbs/hr	CC7%O2
Lead	338C2R2	ND	2.68e+1	ug/dscm	7%O2	3.30e-3	lbs/hr	CC7%O2
Lead	338C2R3	ND	2.99e+1	ug/dscm	7%O2	3.70e-3	lbs/hr	CC7%O2
Mercury	338C1R1		8.16e+0	ug/dscm	7%O2	1.12e-3	lbs/hr	CC7%O2
Mercury	338C1R2		3.15e+1	ug/dscm	7%O2	4.43e-3	lbs/hr	CC7%O2
Mercury	338C1R3		4.33e+1	ug/dscm	7%O2	6.09e-3	lbs/hr	CC7%O2
Mercury	338C2R1		1.03e+2	ug/dscm	7%O2	1.24e-2	lbs/hr	CC7%O2
Mercury	338C2R2		7.59e+1	ug/dscm	7%O2	9.34e-3	lbs/hr	CC7%O2
Mercury	338C2R3		8.96e+1	ug/dscm	7%O2	1.11e-2	lbs/hr	CC7%O2
Silver	338C1R1	ND	1.17e+1	ug/dscm	7%O2	1.60e-3	lbs/hr	CC7%O2
Silver	338C1R2	ND	1.07e+1	ug/dscm	7%O2	1.50e-3	lbs/hr	CC7%O2
Silver	338C1R3	ND	9.24e+0	ug/dscm	7%O2	1.30e-3	lbs/hr	CC7%O2
Silver	338C2R1	ND	1.33e+1	ug/dscm	7%O2	1.60e-3	lbs/hr	CC7%O2
Silver	338C2R2	ND	1.06e+1	ug/dscm	7%O2	1.30e-3	lbs/hr	CC7%O2
Silver	338C2R3	ND	1.21e+1	ug/dscm	7%O2	1.50e-3	lbs/hr	CC7%O2
Thallium	338C1R1	ND	4.08e+1	ug/dscm	7%O2	5.60e-3	lbs/hr	CC7%O2
Thallium	338C1R2	ND	3.63e+1	ug/dscm	7%O2	5.10e-3	lbs/hr	CC7%O2
Thallium	338C1R3	ND	3.20e+1	ug/dscm	7%O2	4.50e-3	lbs/hr	CC7%O2
Thallium	338C2R1	ND	4.57e+1	ug/dscm	7%O2	5.50e-3	lbs/hr	CC7%O2
Thallium	338C2R2	ND	3.66e+1	ug/dscm	7%O2	4.50e-3	lbs/hr	CC7%O2
Thallium	338C2R3	ND	4.21e+1	ug/dscm	7%O2	5.20e-3	lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	338C1R1	1.30e-3 gr/dscf 7%O2	4.00e-1 lbs/hr	
Particulate	338C1R2	2.00e-3 gr/dscf 7%O2	6.40e-1 lbs/hr	
Particulate	338C1R3	8.00e-4 gr/dscf 7%O2	2.70e-1 lbs/hr	
Particulate	338C2R1	1.70e-3 gr/dscf 7%O2	4.60e-1 lbs/hr	
Particulate	338C2R2	5.00e-4 gr/dscf 7%O2	1.30e-1 lbs/hr	
Particulate	338C2R3	1.20e-3 gr/dscf 7%O2	3.40e-1 lbs/hr	

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	338C1R1	2.85e+0 ppmv 7%O2	4.54e-1 lbs/hr	CE7%O2
CO	338C1R2	1.01e+0 ppmv 7%O2	1.65e-1 lbs/hr	CE7%O2
CO	338C1R3	2.11e+0 ppmv 7%O2	3.44e-1 lbs/hr	CE7%O2
CO	338C2R1	1.91e+0 ppmv 7%O2	2.67e-1 lbs/hr	CE7%O2
CO	338C2R2	1.80e+0 ppmv 7%O2	2.57e-1 lbs/hr	CE7%O2
CO	338C2R3	2.56e+0 ppmv 7%O2	3.68e-1 lbs/hr	CE7%O2
THC	338C1R1	1.12e+0 ppmv 7%O2	2.80e-1 lbs/hr	CE7%O2
THC	338C1R2	1.56e+0 ppmv 7%O2	4.00e-1 lbs/hr	CE7%O2
THC	338C1R3	1.30e+0 ppmv 7%O2	3.33e-1 lbs/hr	CE7%O2
THC	338C2R1	2.39e+0 ppmv 7%O2	5.25e-1 lbs/hr	CE7%O2
THC	338C2R2	1.90e+0 ppmv 7%O2	4.27e-1 lbs/hr	CE7%O2
THC	338C2R3	2.36e+0 ppmv 7%O2	5.33e-1 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	338C1R1	7.14e+3 ng/dscm 7%O2	9.79e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	338C1R2	2.82e+3 ng/dscm 7%O2	3.97e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	338C1R3	2.82e+3 ng/dscm 7%O2	3.97e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	338C2R1	1.76e+3 ng/dscm 7%O2	2.12e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	338C2R2	ND 3.12e+3 ng/dscm 7%O2	3.84e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	338C2R3	ND 3.32e+3 ng/dscm 7%O2	4.10e-4 lbs/hr	CC7%O2
Chlorobenzene	338C1R1	5.98e+3 ng/dscm 7%O2	8.20e-4 lbs/hr	CC7%O2
Chlorobenzene	338C1R2	2.17e+3 ng/dscm 7%O2	3.04e-4 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: DUPONT
 2. STATE: TX
 3. CITY: ORANGE
 4. EP ID: 338

EPA ID: TXD008081101

REGION: 6

DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/FF/SS/C/HES/DM

Chlorobenzene	338C1R3		6.58e+2	ng/dscm	7%O2	9.26e-5	lbs/hr	CC7%O2
Chlorobenzene	338C2R1	ND	3.41e+3	ng/dscm	7%O2	4.10e-4	lbs/hr	CC7%O2
Chlorobenzene	338C2R2	ND	3.12e+3	ng/dscm	7%O2	3.84e-4	lbs/hr	CC7%O2
Chlorobenzene	338C2R3	ND	3.32e+3	ng/dscm	7%O2	4.10e-4	lbs/hr	CC7%O2
Trichlorofluoroethane	338C1R1	ND	2.70e+3	ng/dscm	7%O2	3.70e-4	lbs/hr	CC7%O2
Trichlorofluoroethane	338C1R2	ND	2.82e+3	ng/dscm	7%O2	3.97e-4	lbs/hr	CC7%O2
Trichlorofluoroethane	338C1R3	ND	2.82e+3	ng/dscm	7%O2	3.97e-4	lbs/hr	CC7%O2
Trichlorofluoroethane	338C2R1	ND	3.41e+3	ng/dscm	7%O2	4.10e-4	lbs/hr	CC7%O2
Trichlorofluoroethane	338C2R2	ND	3.12e+3	ng/dscm	7%O2	3.84e-4	lbs/hr	CC7%O2
Trichlorofluoroethane	338C2R3	ND	3.32e+3	ng/dscm	7%O2	4.10e-4	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: EASTMAN KODAK
 2. STATE: NY
 3. CITY: ROCHESTER EPA NYD980592497 REGION: 2
 4. EP ID: 915 DEVICE NAME: BUILDING 218 CHI SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/C

5. Type: CONTROLLED

6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
TEQ	915C2R1	3.22e-1 ng/dscm 7%O2	3.28e-8 lbs/hr	
TEQ	915C2R2	2.17e-1 ng/dscm 7%O2	1.93e-8 lbs/hr	
TEQ	915C2R3	1.76e-1 ng/dscm 7%O2	1.75e-8 lbs/hr	
TEQ	915C3R1	6.33e-1 ng/dscm 7%O2	5.64e-8 lbs/hr	
TEQ	915C3R2	5.67e-1 ng/dscm 7%O2	4.74e-8 lbs/hr	
TEQ	915C3R3	8.37e-1 ng/dscm 7%O2	7.06e-8 lbs/hr	

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	915C1R1	0.00e+0	2.00e-1 lbs/hr	
Chlorine	915C1R2	0.00e+0	2.00e-1 lbs/hr	
Chlorine	915C1R3	0.00e+0	3.00e-1 lbs/hr	
Chlorine	915C2R1	0.00e+0	7.00e-1 lbs/hr	
Chlorine	915C2R2	0.00e+0	3.00e-1 lbs/hr	
Chlorine	915C2R3	0.00e+0	5.00e-1 lbs/hr	
Chlorine	915C3R1	0.00e+0	5.00e-1 lbs/hr	
Chlorine	915C3R2	0.00e+0	2.00e-1 lbs/hr	
Chlorine	915C3R3	0.00e+0	2.00e-1 lbs/hr	
HCl	915C1R1	0.00e+0	3.60e+0 lbs/hr	
HCl	915C1R2	0.00e+0	4.80e+0 lbs/hr	
HCl	915C1R3	0.00e+0	3.40e+0 lbs/hr	
HCl	915C2R1	0.00e+0	3.00e+0 lbs/hr	
HCl	915C2R2	0.00e+0	2.30e+0 lbs/hr	
HCl	915C2R3	0.00e+0	2.50e+0 lbs/hr	
HCl	915C3R1	0.00e+0	1.30e+0 lbs/hr	
HCl	915C3R2	0.00e+0	1.10e+0 lbs/hr	
HCl	915C3R3	0.00e+0	3.00e-1 lbs/hr	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	915C4R1	6.50e+2 ug/dscm 7%O2	7.27e-2 lbs/hr	7%O2
Antimony	915C4R2	2.71e+2 ug/dscm 7%O2	2.92e-2 lbs/hr	7%O2
Antimony	915C4R3	3.19e+2 ug/dscm 7%O2	3.17e-2 lbs/hr	7%O2
Arsenic	915C1R1	5.79e+1 ug/dscm 7%O2	6.40e-3 lbs/hr	7%O2
Arsenic	915C1R2	5.68e+1 ug/dscm 7%O2	6.30e-3 lbs/hr	7%O2
Arsenic	915C1R3	3.66e+1 ug/dscm 7%O2	3.80e-3 lbs/hr	7%O2
Cadmium	915C1R1	2.15e+2 ug/dscm 7%O2	2.35e-2 lbs/hr	7%O2
Cadmium	915C1R2	7.26e+1 ug/dscm 7%O2	8.00e-3 lbs/hr	7%O2
Cadmium	915C1R3	7.20e+1 ug/dscm 7%O2	1.30e-2 lbs/hr	7%O2
Chromium	915C1R1	3.18e+2 ug/dscm 7%O2	3.49e-2 lbs/hr	7%O2
Chromium	915C1R2	2.15e+2 ug/dscm 7%O2	2.37e-2 lbs/hr	7%O2
Chromium	915C1R3	2.51e+2 ug/dscm 7%O2	2.82e-2 lbs/hr	7%O2
Chromium	915C4R1	1.70e+2 ug/dscm 7%O2	1.91e-2 lbs/hr	7%O2
Chromium	915C4R2	1.30e+2 ug/dscm 7%O2	1.41e-2 lbs/hr	7%O2
Chromium	915C4R3	1.25e+2 ug/dscm 7%O2	1.24e-2 lbs/hr	7%O2
Chromium (Hex)	915C1R1	5.85e+1 ug/dscm 7%O2	6.00e-3 lbs/hr	7%O2
Chromium (Hex)	915C1R2	1.04e+2 ug/dscm 7%O2	1.20e-1 lbs/hr	7%O2
Chromium (Hex)	915C1R3	3.22e+1 ug/dscm 7%O2	7.00e-3 lbs/hr	7%O2
Chromium (Hex)	915C4R1	1.66e+1 ug/dscm 7%O2	2.00e-3 lbs/hr	7%O2
Chromium (Hex)	915C4R2	1.20e+2 ug/dscm 7%O2	1.10e-2 lbs/hr	7%O2
Chromium (Hex)	915C4R3	1.51e+1 ug/dscm 7%O2	1.00e-3 lbs/hr	7%O2
Lead	915C1R1	1.01e+3 ug/dscm 7%O2	1.11e-1 lbs/hr	7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: EASTMAN KODAK
 2. STATE: NY
 3. CITY: ROCHESTER EPA NYD980592497 REGION: 2
 4. EP ID: 915 DEVICE NAME: BUILDING 218 CHI SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/C

Lead	915C1R2	1.51e+3 ug/dscm 7%O2	1.67e-1 lbs/hr	7%O2
Lead	915C1R3	9.71e+2 ug/dscm 7%O2	1.26e-1 lbs/hr	7%O2
Nickel	915C1R1	3.20e+2 ug/dscm 7%O2	3.50e-2 lbs/hr	7%O2
Nickel	915C1R2	2.38e+2 ug/dscm 7%O2	2.63e-2 lbs/hr	7%O2
Nickel	915C1R3	2.89e+2 ug/dscm 7%O2	3.05e-2 lbs/hr	7%O2
Silver	915C4R1	1.00e+3 ug/dscm 7%O2	1.12e-1 lbs/hr	7%O2
Silver	915C4R2	1.32e+3 ug/dscm 7%O2	1.43e-1 lbs/hr	7%O2
Silver	915C4R3	1.28e+3 ug/dscm 7%O2	1.27e-1 lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	915C1R1	7.40e-2 gr/dscf 7%O2	1.78e+1 lbs/hr	
Particulate	915C1R2	7.70e-2 gr/dscf 7%O2	1.92e+1 lbs/hr	
Particulate	915C1R3	7.80e-2 gr/dscf 7%O2	1.91e+1 lbs/hr	
Particulate	915C2R1	6.20e-2 gr/dscf 7%O2	1.54e+1 lbs/hr	
Particulate	915C2R2	6.00e-2 gr/dscf 7%O2	1.32e+1 lbs/hr	
Particulate	915C2R3	5.20e-2 gr/dscf 7%O2	1.18e+1 lbs/hr	
Particulate	915C3R1	1.50e-2 gr/dscf 7%O2	3.22e+0 lbs/hr	
Particulate	915C3R2	1.90e-2 gr/dscf 7%O2	4.02e+0 lbs/hr	
Particulate	915C3R3	3.70e-2 gr/dscf 7%O2	7.50e+0 lbs/hr	
Particulate	915C4R1	6.60e-2 gr/dscf 7%O2	1.67e+1 lbs/hr	
Particulate	915C4R2	7.00e-2 gr/dscf 7%O2	1.71e+1 lbs/hr	
Particulate	915C4R3	7.60e-2 gr/dscf 7%O2	1.71e+1 lbs/hr	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
2-Methylphenol (o-Cresol)	915C3R1	ND 0.00e+0	0.00e+0	
2-Methylphenol (o-Cresol)	915C3R2	ND 0.00e+0	0.00e+0	
2-Methylphenol (o-Cresol)	915C3R3	0.00e+0	5.00e-4 lbs/hr	
4-Methylphenol (p-Cresol)	915C3R1	ND 0.00e+0	0.00e+0	
4-Methylphenol (p-Cresol)	915C3R2	ND 0.00e+0	0.00e+0	
4-Methylphenol (p-Cresol)	915C3R3	0.00e+0	6.00e-4 lbs/hr	
Acetophenone	915C2R1	0.00e+0	2.00e-4 lbs/hr	
Acetophenone	915C2R2	ND 0.00e+0	0.00e+0	
Acetophenone	915C2R3	0.00e+0	9.00e-4 lbs/hr	
Acetophenone	915C3R1	0.00e+0	2.00e-4 lbs/hr	
Acetophenone	915C3R2	0.00e+0	2.00e-4 lbs/hr	
Acetophenone	915C3R3	0.00e+0	2.00e-4 lbs/hr	
Benzoic acid	915C2R1	ND 0.00e+0	0.00e+0	
Benzoic acid	915C2R2	0.00e+0	2.00e-3 lbs/hr	
Benzoic acid	915C2R3	ND 0.00e+0	0.00e+0	
Benzoic acid	915C3R1	0.00e+0	2.20e-3 lbs/hr	
Benzoic acid	915C3R2	0.00e+0	4.70e-3 lbs/hr	
Benzoic acid	915C3R3	0.00e+0	4.20e-3 lbs/hr	
Benzyl alcohol	915C2R1	0.00e+0	6.00e-4 lbs/hr	
Benzyl alcohol	915C2R2	0.00e+0	3.00e-4 lbs/hr	
Benzyl alcohol	915C2R3	0.00e+0	1.00e-3 lbs/hr	
Benzyl alcohol	915C3R1	0.00e+0	7.00e-4 lbs/hr	
Benzyl alcohol	915C3R2	0.00e+0	8.00e-4 lbs/hr	
Benzyl alcohol	915C3R3	0.00e+0	1.20e-3 lbs/hr	
bis(2-ethylexyl) Phthalate	915C2R1	0.00e+0	9.00e-4 lbs/hr	
bis(2-ethylexyl) Phthalate	915C2R2	0.00e+0	4.00e-4 lbs/hr	
bis(2-ethylexyl) Phthalate	915C2R3	0.00e+0	1.40e-3 lbs/hr	
bis(2-ethylexyl) Phthalate	915C3R1	0.00e+0	4.00e-4 lbs/hr	
bis(2-ethylexyl) Phthalate	915C3R2	0.00e+0	1.80e-3 lbs/hr	
bis(2-ethylexyl) Phthalate	915C3R3	0.00e+0	1.50e-3 lbs/hr	
Dibutylphthalate	915C2R1	0.00e+0	1.00e-4 lbs/hr	
Dibutylphthalate	915C2R2	0.00e+0	1.00e-4 lbs/hr	

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: EASTMAN KODAK

2. STATE: NY

3. CITY: ROCHESTER

EPA NYD980592497

REGION: 2

4. EP ID: 915 DEVICE NAME: BUILDING 218 CHI

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/C

Dibutylphthalate	915C2R3	0.00e+0	1.00e-4 lbs/hr
Dibutylphthalate	915C3R1	0.00e+0	1.00e-4 lbs/hr
Dibutylphthalate	915C3R2	0.00e+0	1.00e-4 lbs/hr
Dibutylphthalate	915C3R3	0.00e+0	1.00e-4 lbs/hr
Diethylphthalate	915C2R1	0.00e+0	3.00e-4 lbs/hr
Diethylphthalate	915C2R2	0.00e+0	4.00e-4 lbs/hr
Diethylphthalate	915C2R3	0.00e+0	3.00e-4 lbs/hr
Diethylphthalate	915C3R1	0.00e+0	7.00e-4 lbs/hr
Diethylphthalate	915C3R2	0.00e+0	1.30e-3 lbs/hr
Diethylphthalate	915C3R3	0.00e+0	9.00e-4 lbs/hr
Ethylbenzene	915C2R1	0.00e+0	7.00e-4 lbs/hr
Ethylbenzene	915C2R2	ND 0.00e+0	0.00e+0
Ethylbenzene	915C2R3	ND 0.00e+0	0.00e+0
Nitrobenzene	915C2R1	ND 0.00e+0	0.00e+0
Nitrobenzene	915C2R2	ND 0.00e+0	0.00e+0
Nitrobenzene	915C2R3	0.00e+0	8.00e-4 lbs/hr
Nitrobenzene	915C3R1	0.00e+0	3.00e-4 lbs/hr
Nitrobenzene	915C3R2	0.00e+0	4.00e-4 lbs/hr
Nitrobenzene	915C3R3	0.00e+0	2.00e-4 lbs/hr

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	915C1R1	1.00e+0 ppmv 7%O2	0.00e+0	
CO	915C1R2	1.00e+0 ppmv 7%O2	0.00e+0	
CO	915C1R3	1.00e+0 ppmv 7%O2	0.00e+0	
CO	915C2R1	1.10e+2 ppmv 7%O2	0.00e+0	
CO	915C2R2	1.22e+2 ppmv 7%O2	0.00e+0	
CO	915C2R3	6.85e+1 ppmv 7%O2	0.00e+0	
CO	915C3R1	1.25e+2 ppmv 7%O2	0.00e+0	
CO	915C3R2	9.68e+1 ppmv 7%O2	0.00e+0	
CO	915C3R3	1.04e+2 ppmv 7%O2	0.00e+0	
CO	915C4R1	1.35e+1 ppmv 7%O2	0.00e+0	
CO	915C4R2	6.00e+0 ppmv 7%O2	0.00e+0	
CO	915C4R3	9.20e+0 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C1R1	1.05e+1 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C1R2	1.36e+1 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C1R3	1.84e+1 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C2R1	1.62e+3 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C2R2	2.63e+3 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C2R3	6.80e+2 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C3R1	2.16e+3 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C3R2	5.40e+2 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C3R3	9.29e+2 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C4R1	7.35e+2 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C4R2	6.00e+0 ppmv 7%O2	0.00e+0	
CO(MHRA)	915C4R3	1.10e+1 ppmv 7%O2	0.00e+0	
THC	915C1R1	3.30e-1 ppmv 7%O2	0.00e+0	
THC	915C1R2	3.30e-1 ppmv 7%O2	0.00e+0	
THC	915C1R3	4.20e-1 ppmv 7%O2	0.00e+0	
THC	915C2R1	9.00e-2 ppmv 7%O2	0.00e+0	
THC	915C2R2	4.50e-1 ppmv 7%O2	0.00e+0	
THC	915C2R3	2.70e-1 ppmv 7%O2	0.00e+0	
THC	915C3R1	1.05e+0 ppmv 7%O2	0.00e+0	
THC	915C3R2	1.71e+0 ppmv 7%O2	0.00e+0	
THC	915C3R3	9.60e-1 ppmv 7%O2	0.00e+0	
THC(MHRA)	915C1R1	3.33e+1 ppmv 7%O2	0.00e+0	
THC(MHRA)	915C1R2	4.50e+0 ppmv 7%O2	0.00e+0	
THC(MHRA)	915C1R3	2.64e+1 ppmv 7%O2	0.00e+0	
THC(MHRA)	915C2R1	1.95e+1 ppmv 7%O2	0.00e+0	
THC(MHRA)	915C2R2	2.34e+1 ppmv 7%O2	0.00e+0	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: EASTMAN KODAK

2. STATE: NY

3. CITY: ROCHESTER

EPA NYD980592497

REGION: 2

4. EP ID: 915 DEVICE NAME: BUILDING 218 CHI

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/C

THC(MHRA)	915C2R3	6.00e+0	ppmv 7%O2	0.00e+0
THC(MHRA)	915C3R1	2.76e+1	ppmv 7%O2	0.00e+0
THC(MHRA)	915C3R2	4.20e+0	ppmv 7%O2	0.00e+0
THC(MHRA)	915C3R3	1.86e+1	ppmv 7%O2	0.00e+0

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	915C2R1	0.00e+0	1.00e-4 lbs/hr	
1,1,1-Trichloroethane	915C2R2	0.00e+0	1.00e-4 lbs/hr	
1,1,1-Trichloroethane	915C2R3	0.00e+0	1.00e-4 lbs/hr	
1,1,1-Trichloroethane	915C3R1	0.00e+0	1.00e-4 lbs/hr	
1,1,1-Trichloroethane	915C3R2	0.00e+0	1.00e-4 lbs/hr	
1,1,1-Trichloroethane	915C3R3	0.00e+0	1.00e-4 lbs/hr	
1,1-Dichloroethene	915C2R1	0.00e+0	6.00e-4 lbs/hr	
1,1-Dichloroethene	915C2R2	0.00e+0	1.00e-4 lbs/hr	
1,1-Dichloroethene	915C2R3	ND 0.00e+0	0.00e+0	
1,1-Dichloroethene	915C3R1	0.00e+0	1.00e-4 lbs/hr	
1,1-Dichloroethene	915C3R2	0.00e+0	3.00e-4 lbs/hr	
1,1-Dichloroethene	915C3R3	0.00e+0	1.00e-4 lbs/hr	
1,2-Dichloroethane	915C2R1	0.00e+0	1.00e-4 lbs/hr	
1,2-Dichloroethane	915C2R2	ND 0.00e+0	0.00e+0	
1,2-Dichloroethane	915C2R3	0.00e+0	6.00e-4 lbs/hr	
Acetone	915C2R1	0.00e+0	1.57e-2 lbs/hr	
Acetone	915C2R2	0.00e+0	2.10e-3 lbs/hr	
Acetone	915C2R3	0.00e+0	7.00e-3 lbs/hr	
Acetone	915C3R1	0.00e+0	1.00e-3 lbs/hr	
Acetone	915C3R2	ND 0.00e+0	0.00e+0	
Acetone	915C3R3	ND 0.00e+0	0.00e+0	
Benzene	915C2R1	0.00e+0	2.00e-4 lbs/hr	
Benzene	915C2R2	0.00e+0	3.00e-4 lbs/hr	
Benzene	915C2R3	0.00e+0	1.00e-4 lbs/hr	
Benzene	915C3R1	0.00e+0	2.00e-4 lbs/hr	
Benzene	915C3R2	ND 0.00e+0	0.00e+0	
Benzene	915C3R3	ND 0.00e+0	0.00e+0	
Bromodichloromethane	915C2R1	0.00e+0	4.10e-3 lbs/hr	
Bromodichloromethane	915C2R2	0.00e+0	3.50e-3 lbs/hr	
Bromodichloromethane	915C2R3	0.00e+0	2.50e-3 lbs/hr	
Bromodichloromethane	915C3R1	0.00e+0	2.10e-3 lbs/hr	
Bromodichloromethane	915C3R2	0.00e+0	1.20e-3 lbs/hr	
Bromodichloromethane	915C3R3	0.00e+0	1.30e-3 lbs/hr	
Bromoform	915C2R1	0.00e+0	5.00e-4 lbs/hr	
Bromoform	915C2R2	0.00e+0	2.00e-4 lbs/hr	
Bromoform	915C2R3	0.00e+0	2.00e-4 lbs/hr	
Bromoform	915C3R1	0.00e+0	2.00e-4 lbs/hr	
Bromoform	915C3R2	0.00e+0	1.00e-4 lbs/hr	
Bromoform	915C3R3	0.00e+0	2.00e-4 lbs/hr	
Bromomethane	915C3R1	ND 0.00e+0	0.00e+0	
Bromomethane	915C3R2	0.00e+0	1.00e-4 lbs/hr	
Bromomethane	915C3R3	ND 0.00e+0	0.00e+0	
Carbon disulfide	915C2R1	0.00e+0	2.00e-4 lbs/hr	
Carbon disulfide	915C2R2	0.00e+0	1.00e-4 lbs/hr	
Carbon disulfide	915C2R3	0.00e+0	1.00e-4 lbs/hr	
Carbon disulfide	915C3R1	0.00e+0	1.00e-4 lbs/hr	
Carbon disulfide	915C3R2	0.00e+0	3.00e-4 lbs/hr	
Carbon disulfide	915C3R3	ND 0.00e+0	0.00e+0	
Carbon Tetrachloride	915C1R1	0.00e+0	5.00e-4 lbs/hr	
Carbon Tetrachloride	915C1R2	0.00e+0	4.00e-4 lbs/hr	
Carbon Tetrachloride	915C1R3	0.00e+0	2.00e-4 lbs/hr	
Carbon Tetrachloride	915C2R1	0.00e+0	1.30e-3 lbs/hr	
Carbon Tetrachloride	915C2R2	0.00e+0	7.00e-4 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: EASTMAN KODAK

2. STATE: NY

3. CITY: ROCHESTER

EPA ID: NYD980592497

REGION: 2

4. EP ID: 915 DEVICE NAME: BUILDING 218 CHI

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/C

Carbon Tetrachloride	915C2R3		0.00e+0	4.00e-4 lbs/hr	
Carbon Tetrachloride	915C3R1		0.00e+0	1.00e-3 lbs/hr	
Carbon Tetrachloride	915C3R2		0.00e+0	5.00e-4 lbs/hr	
Carbon Tetrachloride	915C3R3		0.00e+0	6.00e-4 lbs/hr	
Chlorobenzene	915C1R1		0.00e+0	7.00e-4 lbs/hr	
Chlorobenzene	915C1R2		0.00e+0	3.00e-4 lbs/hr	
Chlorobenzene	915C1R3		0.00e+0	2.00e-4 lbs/hr	
Chlorobenzene	915C2R1		0.00e+0	2.20e-3 lbs/hr	
Chlorobenzene	915C2R2		0.00e+0	1.60e-3 lbs/hr	
Chlorobenzene	915C2R3		0.00e+0	2.00e-4 lbs/hr	
Chlorobenzene	915C3R1		0.00e+0	1.20e-3 lbs/hr	
Chlorobenzene	915C3R2		0.00e+0	2.00e-4 lbs/hr	
Chlorobenzene	915C3R3		0.00e+0	2.00e-4 lbs/hr	
Chloroform	915C2R1		0.00e+0	3.60e-3 lbs/hr	
Chloroform	915C2R2		0.00e+0	3.90e-3 lbs/hr	
Chloroform	915C2R3		0.00e+0	4.20e-3 lbs/hr	
Chloroform	915C3R1		0.00e+0	4.20e-3 lbs/hr	
Chloroform	915C3R2		0.00e+0	2.70e-3 lbs/hr	
Chloroform	915C3R3		0.00e+0	2.50e-3 lbs/hr	
Chloromethane	915C2R1		0.00e+0	8.00e-4 lbs/hr	
Chloromethane	915C2R2	ND	0.00e+0	0.00e+0	
Chloromethane	915C2R3	ND	0.00e+0	0.00e+0	
Chloromethane	915C3R1		0.00e+0	8.00e-4 lbs/hr	
Chloromethane	915C3R2		0.00e+0	3.00e-4 lbs/hr	
Chloromethane	915C3R3		0.00e+0	4.00e-4 lbs/hr	
Dibromochloromethane	915C2R1		0.00e+0	1.30e-3 lbs/hr	
Dibromochloromethane	915C2R2		0.00e+0	1.20e-3 lbs/hr	
Dibromochloromethane	915C2R3		0.00e+0	1.00e-3 lbs/hr	
Dibromochloromethane	915C3R1		0.00e+0	9.00e-4 lbs/hr	
Dibromochloromethane	915C3R2		0.00e+0	4.00e-4 lbs/hr	
Dibromochloromethane	915C3R3		0.00e+0	6.00e-4 lbs/hr	
Dichlorodifluoromethane	915C2R1		0.00e+0	2.40e-3 lbs/hr	
Dichlorodifluoromethane	915C2R2	ND	0.00e+0	0.00e+0	
Dichlorodifluoromethane	915C2R3	ND	0.00e+0	0.00e+0	
Dichlorodifluoromethane	915C3R1		0.00e+0	2.00e-4 lbs/hr	
Dichlorodifluoromethane	915C3R2		0.00e+0	2.00e-4 lbs/hr	
Dichlorodifluoromethane	915C3R3		0.00e+0	3.00e-4 lbs/hr	
m,p-Xylene	915C2R1		0.00e+0	8.00e-4 lbs/hr	
m,p-Xylene	915C2R2		0.00e+0	2.00e-4 lbs/hr	
m,p-Xylene	915C2R3		0.00e+0	2.00e-4 lbs/hr	
m,p-Xylene	915C3R1	ND	0.00e+0	0.00e+0	
m,p-Xylene	915C3R2	ND	0.00e+0	0.00e+0	
m,p-Xylene	915C3R3		0.00e+0	1.00e-4 lbs/hr	
Methylene Chloride	915C2R1		0.00e+0	1.16e-2 lbs/hr	
Methylene Chloride	915C2R2		0.00e+0	4.00e-3 lbs/hr	
Methylene Chloride	915C2R3		0.00e+0	6.00e-4 lbs/hr	
Methylene Chloride	915C3R1		0.00e+0	2.30e-3 lbs/hr	
Methylene Chloride	915C3R2		0.00e+0	8.00e-4 lbs/hr	
Methylene Chloride	915C3R3		0.00e+0	2.50e-3 lbs/hr	
o-Xylene	915C2R1		0.00e+0	6.00e-4 lbs/hr	
o-Xylene	915C2R2	ND	0.00e+0	0.00e+0	
o-Xylene	915C2R3	ND	0.00e+0	0.00e+0	
Styrene	915C2R1		0.00e+0	4.00e-4 lbs/hr	
Styrene	915C2R2	ND	0.00e+0	0.00e+0	
Styrene	915C2R3	ND	0.00e+0	0.00e+0	
Tetrachloroethene	915C2R1		0.00e+0	1.00e-3 lbs/hr	
Tetrachloroethene	915C2R2		0.00e+0	6.00e-4 lbs/hr	
Tetrachloroethene	915C2R3		0.00e+0	3.00e-4 lbs/hr	
Tetrachloroethene	915C3R1		0.00e+0	2.00e-4 lbs/hr	
Tetrachloroethene	915C3R2	ND	0.00e+0	0.00e+0	
Tetrachloroethene	915C3R3		0.00e+0	1.00e-4 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: EASTMAN KODAK

2. STATE: NY

3. CITY: ROCHESTER

EPA ID: NYD980592497

REGION: 2

4. EP ID: 915 DEVICE NAME: BUILDING 218 CHI

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/C

Toluene	915C1R1	2	0.00e+0	1.39e-2 lbs/hr
Toluene	915C1R2		0.00e+0	2.20e-3 lbs/hr
Toluene	915C1R3		0.00e+0	6.70e-3 lbs/hr
Toluene	915C2R1		0.00e+0	2.50e-3 lbs/hr
Toluene	915C2R2		0.00e+0	1.60e-3 lbs/hr
Toluene	915C2R3		0.00e+0	5.00e-4 lbs/hr
Toluene	915C3R1		0.00e+0	8.00e-4 lbs/hr
Toluene	915C3R2		0.00e+0	3.00e-4 lbs/hr
Toluene	915C3R3		0.00e+0	4.00e-4 lbs/hr
Trichlorofluoromethane	915C2R1		0.00e+0	6.00e-4 lbs/hr
Trichlorofluoromethane	915C2R2		0.00e+0	5.00e-4 lbs/hr
Trichlorofluoromethane	915C2R3		0.00e+0	2.00e-4 lbs/hr
Trichlorofluoromethane	915C3R1	ND	0.00e+0	0.00e+0
Trichlorofluoromethane	915C3R2		0.00e+0	2.00e-4 lbs/hr
Trichlorofluoromethane	915C3R3		0.00e+0	1.00e-4 lbs/hr
Vinyl Chloride	915C2R1		0.00e+0	2.00e-4 lbs/hr
Vinyl Chloride	915C2R2	ND	0.00e+0	0.00e+0
Vinyl Chloride	915C2R3	ND	0.00e+0	0.00e+0
Vinyl Chloride	915C3R1		0.00e+0	2.00e-4 lbs/hr
Vinyl Chloride	915C3R2		0.00e+0	2.00e-4 lbs/hr
Vinyl Chloride	915C3R3	ND	0.00e+0	0.00e+0

5. Type: UNCONTROLLED

6. Description: EMISSIONS

Process Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	915C1R1	0.00e+0	6.40e+0 lbs/hr	
Chlorine	915C1R2	0.00e+0	7.20e+0 lbs/hr	
Chlorine	915C1R3	0.00e+0	4.10e+0 lbs/hr	
Chlorine	915C2R1	0.00e+0	3.00e+0 lbs/hr	
Chlorine	915C2R2	0.00e+0	2.30e+0 lbs/hr	
Chlorine	915C2R3	0.00e+0	5.00e-1 lbs/hr	
Chlorine	915C3R1	0.00e+0	4.90e+0 lbs/hr	
Chlorine	915C3R2	0.00e+0	9.00e-1 lbs/hr	
Chlorine	915C3R3	0.00e+0	7.20e+0 lbs/hr	
HCl	915C1R1	0.00e+0	1.26e+3 lbs/hr	
HCl	915C1R2	0.00e+0	1.40e+3 lbs/hr	
HCl	915C1R3	0.00e+0	1.47e+3 lbs/hr	
HCl	915C2R1	0.00e+0	1.10e+3 lbs/hr	
HCl	915C2R2	0.00e+0	9.15e+2 lbs/hr	
HCl	915C2R3	0.00e+0	9.02e+2 lbs/hr	
HCl	915C3R1	0.00e+0	7.54e+2 lbs/hr	
HCl	915C3R2	0.00e+0	9.10e+2 lbs/hr	
HCl	915C3R3	0.00e+0	8.01e+2 lbs/hr	

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