

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

5. Type: WASTE

6. Description: BR-201 SYNTH POHC

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Bromine	808C1R1	1.85e+4 ug/g	2.60e+1 lbs/hr	CC
Bromine	808C1R2	5.45e+6 ug/dscm	2.70e+1 lbs/hr	CC
Bromine	808C1R3	1.92e+4 ug/g	2.42e+1 lbs/hr	CC
Bromine	808C2R1	2.07e+4 ug/g	2.57e+1 lbs/hr	CC
Bromine	808C2R2	2.01e+4 ug/g	2.78e+1 lbs/hr	CC
Bromine	808C2R3	1.98e+4 ug/g	2.93e+1 lbs/hr	CC
Chlorine	808C1R1	6.35e+5 ug/g	8.92e+2 lbs/hr	CC
Chlorine	808C1R2	1.76e+8 ug/dscm	8.70e+2 lbs/hr	CC
Chlorine	808C1R3	6.38e+5 ug/g	8.04e+2 lbs/hr	CC
Chlorine	808C2R1	6.77e+5 ug/g	8.41e+2 lbs/hr	CC
Chlorine	808C2R2	6.66e+5 ug/g	9.22e+2 lbs/hr	CC
Chlorine	808C2R3	6.50e+5 ug/g	9.62e+2 lbs/hr	CC
Fluorine	808C1R1	3.40e+4 ug/g	4.78e+1 lbs/hr	CC
Fluorine	808C1R2	9.60e+6 ug/dscm	4.76e+1 lbs/hr	CC
Fluorine	808C1R3	3.51e+4 ug/g	4.43e+1 lbs/hr	CC
Fluorine	808C2R1	3.70e+4 ug/g	4.60e+1 lbs/hr	CC
Fluorine	808C2R2	3.64e+4 ug/g	5.04e+1 lbs/hr	CC
Fluorine	808C2R3	3.60e+4 ug/g	5.33e+1 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Bromochloromethane	808C1R1	3.03e+4 ug/g	4.26e+1 lbs/hr	CC
Bromochloromethane	808C1R2	8.81e+6 ug/dscm	4.37e+1 lbs/hr	CC
Bromochloromethane	808C1R3	3.10e+4 ug/g	3.91e+1 lbs/hr	CC
Bromochloromethane	808C2R1	3.35e+4 ug/g	4.16e+1 lbs/hr	CC
Bromochloromethane	808C2R2	3.25e+4 ug/g	4.50e+1 lbs/hr	CC
Bromochloromethane	808C2R3	3.20e+4 ug/g	4.74e+1 lbs/hr	CC
Carbon Tetrachloride	808C1R1	4.98e+5 ug/g	7.00e+2 lbs/hr	CC
Carbon Tetrachloride	808C1R2	2.70e+7 ug/dscm	1.34e+2 lbs/hr	CC
Carbon Tetrachloride	808C1R3	4.99e+5 ug/g	6.29e+2 lbs/hr	CC
Carbon Tetrachloride	808C2R1	5.30e+5 ug/g	6.58e+2 lbs/hr	CC
Carbon Tetrachloride	808C2R2	5.22e+5 ug/g	7.24e+2 lbs/hr	CC
Carbon Tetrachloride	808C2R3	5.10e+5 ug/g	7.55e+2 lbs/hr	CC
o-Dichlorobenzene	808C1R1	2.30e+4 ug/g	3.23e+1 lbs/hr	CC
o-Dichlorobenzene	808C1R2	6.13e+6 ug/dscm	3.04e+1 lbs/hr	CC
o-Dichlorobenzene	808C1R3	2.30e+4 ug/g	2.90e+1 lbs/hr	CC
o-Dichlorobenzene	808C2R1	2.44e+4 ug/g	3.03e+1 lbs/hr	CC
o-Dichlorobenzene	808C2R2	2.35e+4 ug/g	3.25e+1 lbs/hr	CC
o-Dichlorobenzene	808C2R3	2.50e+4 ug/g	3.70e+1 lbs/hr	CC
Tetrachloroethene	808C1R1	1.01e+5 ug/g	1.42e+2 lbs/hr	CC
Tetrachloroethene	808C1R2	1.38e+8 ug/dscm	6.83e+2 lbs/hr	CC
Tetrachloroethene	808C1R3	9.90e+4 ug/g	1.25e+2 lbs/hr	CC
Tetrachloroethene	808C2R1	1.06e+5 ug/g	1.31e+2 lbs/hr	CC
Tetrachloroethene	808C2R2	1.02e+5 ug/g	1.42e+2 lbs/hr	CC
Tetrachloroethene	808C2R3	1.01e+5 ug/g	1.50e+2 lbs/hr	CC
Trichlorofluoroethane	808C1R1	1.20e+5 ug/g	1.69e+2 lbs/hr	CC
Trichlorofluoroethane	808C1R2	3.42e+7 ug/dscm	1.69e+2 lbs/hr	CC
Trichlorofluoroethane	808C1R3	1.25e+5 ug/g	1.58e+2 lbs/hr	CC
Trichlorofluoroethane	808C2R1	1.32e+5 ug/g	1.64e+2 lbs/hr	CC
Trichlorofluoroethane	808C2R2	1.29e+5 ug/g	1.79e+2 lbs/hr	CC
Trichlorofluoroethane	808C2R3	1.28e+5 ug/g	1.90e+2 lbs/hr	CC

6. Description: BR-211 ISOPAR

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	808C1R1	4.18e+5 ug/g	5.85e+2 lbs/hr	CC
Chlorine	808C1R2	4.06e+5 ug/g	5.56e+2 lbs/hr	CC

SECTION 8: OTHER STREAM 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

Chlorine	808C1R3	4.32e+5	ug/g	6.24e+2	lbs/hr	CC
Chlorine	808C2R1	4.27e+5	ug/g	5.50e+2	lbs/hr	CC
Chlorine	808C2R2	4.22e+5	ug/g	6.48e+2	lbs/hr	CC
Chlorine	808C2R3	4.19e+5	ug/g	5.47e+2	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	808C1R1	2.42e+5	ug/g	3.39e+2	lbs/hr	CC
Carbon Tetrachloride	808C1R2	2.35e+5	ug/g	3.22e+2	lbs/hr	CC
Carbon Tetrachloride	808C1R3	2.52e+5	ug/g	3.65e+2	lbs/hr	CC
Carbon Tetrachloride	808C2R1	2.48e+5	ug/g	3.20e+2	lbs/hr	CC
Carbon Tetrachloride	808C2R2	2.44e+5	ug/g	3.74e+2	lbs/hr	CC
Carbon Tetrachloride	808C2R3	2.44e+5	ug/g	3.19e+2	lbs/hr	CC
Tetrachloroethene	808C1R1	2.28e+5	ug/g	3.19e+2	lbs/hr	CC
Tetrachloroethene	808C1R2	2.22e+5	ug/g	3.04e+2	lbs/hr	CC
Tetrachloroethene	808C1R3	2.33e+5	ug/g	3.37e+2	lbs/hr	CC
Tetrachloroethene	808C2R1	2.32e+5	ug/g	2.99e+2	lbs/hr	CC
Tetrachloroethene	808C2R2	2.31e+5	ug/g	3.54e+2	lbs/hr	CC
Tetrachloroethene	808C2R3	2.27e+5	ug/g	2.97e+2	lbs/hr	CC

6. Description: PLASTIC PACKS

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	808C1R1	3.20e+3	ug/g	2.00e+1	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Cadmium	808C2R1	1.69e+1	ug/g	1.21e-1	lbs/hr	CC
Cadmium	808C2R2	1.59e+1	ug/g	1.15e-1	lbs/hr	CC
Cadmium	808C2R3	1.69e+1	ug/g	1.16e-1	lbs/hr	CC
Lead	808C2R1	1.41e+2	ug/g	1.02e+0	lbs/hr	CC
Lead	808C2R2	1.33e+2	ug/g	9.66e-1	lbs/hr	CC
Lead	808C2R3	1.42e+2	ug/g	9.81e-1	lbs/hr	CC
Mercury	808C2R1	2.12e+1	ug/g	1.52e-1	lbs/hr	CC
Mercury	808C2R2	2.00e+1	ug/g	1.45e-1	lbs/hr	CC
Mercury	808C2R3	2.12e+1	ug/g	1.46e-1	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	808C1R2	0.00e+0		0.00e+0		
Tetrachloroethene	808C1R1	3.78e+3	ug/g	2.36e+1	lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

EPA MID000724724

REGION: 5

4. EP ID: 353 DEVICE NAME: UNIT 703

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

5. Type: BA ASH

6. Description: INCINERATOR

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	353C2R1	ND 8.00e-4 ug/g	0.00e+0	
4D 2378	353C2R2	ND 7.00e-4 ug/g	0.00e+0	
4D 2378	353C2R3	ND 6.00e-4 ug/g	0.00e+0	
4D 2378	353C2R4	ND 6.00e-4 ug/g	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	353C1R1	ND 2.31e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C1R2	ND 2.38e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C1R3	9.94e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C1R4	ND 2.37e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C2R1	ND 2.26e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C2R2	ND 2.25e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C2R3	ND 2.39e-1 ug/g	0.00e+0	
Carbon Tetrachloride	353C2R4	ND 2.28e-1 ug/g	0.00e+0	
Chlorobenzene	353C1R1	ND 4.85e-1 ug/g	0.00e+0	
Chlorobenzene	353C1R2	ND 5.00e-1 ug/g	0.00e+0	
Chlorobenzene	353C1R3	ND 4.86e-1 ug/g	0.00e+0	
Chlorobenzene	353C1R4	ND 4.97e-1 ug/g	0.00e+0	
Chlorobenzene	353C2R1	ND 4.74e-1 ug/g	0.00e+0	
Chlorobenzene	353C2R2	ND 4.72e-1 ug/g	0.00e+0	
Chlorobenzene	353C2R3	ND 5.02e-1 ug/g	0.00e+0	
Chlorobenzene	353C2R4	ND 4.79e-1 ug/g	0.00e+0	

5. Type: BLOWDOWN

6. Description:

Group: ROTARY KILN

Location: SCRUBBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	353C1R1	8.80e+2 ug/g	0.00e+0	
Chlorine	353C1R2	8.70e+2 ug/g	0.00e+0	
Chlorine	353C1R3	8.80e+2 ug/g	0.00e+0	
Chlorine	353C1R4	9.40e+2 ug/g	0.00e+0	
Chlorine	353C2R1	6.60e+3 ug/g	0.00e+0	
Chlorine	353C2R2	5.90e+3 ug/g	0.00e+0	
Chlorine	353C2R3	6.50e+3 ug/g	0.00e+0	
Chlorine	353C2R4	5.00e+3 ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	353C1R1	ND 1.00e-2 ug/g	0.00e+0	
Antimony	353C1R2	ND 1.00e-2 ug/g	0.00e+0	
Antimony	353C1R3	ND 1.00e-2 ug/g	0.00e+0	
Antimony	353C1R4	ND 1.00e-2 ug/g	0.00e+0	
Antimony	353C2R1	3.10e-1 ug/g	0.00e+0	
Antimony	353C2R2	3.20e-1 ug/g	0.00e+0	
Antimony	353C2R3	4.20e-1 ug/g	0.00e+0	
Antimony	353C2R4	3.30e-1 ug/g	0.00e+0	
Antimony	353C3	6.00e-2 ug/g	0.00e+0	
Arsenic	353C1R1	ND 1.00e-2 ug/g	0.00e+0	
Arsenic	353C1R2	ND 1.00e-2 ug/g	0.00e+0	
Arsenic	353C1R3	ND 1.00e-2 ug/g	0.00e+0	
Arsenic	353C1R4	ND 1.00e-2 ug/g	0.00e+0	
Arsenic	353C2R1	ND 1.00e-2 ug/g	0.00e+0	
Arsenic	353C2R2	8.00e+1 ug/g	0.00e+0	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

EPA MID000724724

REGION: 5

4. EP ID: 353 DEVICE NAME: UNIT 703

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

Arsenic	353C2R3	ND	1.00e-2	ug/g	0.00e+0
Arsenic	353C2R4	ND	1.00e-2	ug/g	0.00e+0
Arsenic	353C3		8.00e+1	ug/g	0.00e+0
Barium	353C1R1		5.00e-2	ug/g	0.00e+0
Barium	353C1R2	ND	5.00e-2	ug/g	0.00e+0
Barium	353C1R3	ND	5.00e-2	ug/g	0.00e+0
Barium	353C1R4	ND	5.00e-2	ug/g	0.00e+0
Barium	353C2R1	ND	5.00e-2	ug/g	0.00e+0
Barium	353C2R2		2.60e-1	ug/g	0.00e+0
Barium	353C2R3		9.00e-2	ug/g	0.00e+0
Barium	353C2R4		3.10e-1	ug/g	0.00e+0
Barium	353C3		9.00e-2	ug/g	0.00e+0
Beryllium	353C1R1	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C1R3	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C1R4	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C2R1	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C2R2	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C2R3	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C2R4	ND	1.00e-2	ug/g	0.00e+0
Beryllium	353C3	ND	1.00e-2	ug/g	0.00e+0
Cadmium	353C1R1	ND	5.00e-2	ug/g	0.00e+0
Cadmium	353C1R2	ND	5.00e-2	ug/g	0.00e+0
Cadmium	353C1R3	ND	5.00e-2	ug/g	0.00e+0
Cadmium	353C1R4	ND	5.00e-2	ug/g	0.00e+0
Cadmium	353C2R2		6.00e-2	ug/g	0.00e+0
Cadmium	353C2R3	ND	1.00e-2	ug/g	0.00e+0
Cadmium	353C2R4		5.00e-2	ug/g	0.00e+0
Cadmium	353C3	ND	5.00e-2	ug/g	0.00e+0
Chromium	353C1R1	ND	5.00e-2	ug/g	0.00e+0
Chromium	353C1R2	ND	5.30e-2	ug/g	0.00e+0
Chromium	353C1R3	ND	5.00e-2	ug/g	0.00e+0
Chromium	353C1R4	ND	5.00e-2	ug/g	0.00e+0
Chromium	353C2R1	ND	5.00e-2	ug/g	0.00e+0
Chromium	353C2R2		4.70e-1	ug/g	0.00e+0
Chromium	353C2R3		1.80e-1	ug/g	0.00e+0
Chromium	353C2R4		6.30e-1	ug/g	0.00e+0
Chromium	353C3		3.50e-1	ug/g	0.00e+0
Chromium (hex)	353C1R1	ND	5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C1R2	ND	5.00e+0	ug/g	0.00e+0
Chromium (hex)	353C1R3		5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C1R4	ND	5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C2R1	ND	5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C2R2	ND	5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C2R3		5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C2R4	ND	5.00e-1	ug/g	0.00e+0
Chromium (hex)	353C3	ND	5.00e-1	ug/g	0.00e+0
Lead	353C1R1	ND	1.00e-2	ug/g	0.00e+0
Lead	353C1R2		9.00e-2	ug/g	0.00e+0
Lead	353C1R3		5.00e-2	ug/g	0.00e+0
Lead	353C1R4		3.40e-1	ug/g	0.00e+0
Lead	353C2R1		2.70e-1	ug/g	0.00e+0
Lead	353C2R2		3.80e-1	ug/g	0.00e+0
Lead	353C2R3		3.10e-1	ug/g	0.00e+0
Lead	353C2R4		3.20e-1	ug/g	0.00e+0
Lead	353C3		2.40e-1	ug/g	0.00e+0
Mercury	353C1R1	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C1R2	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C1R3	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C1R4	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C2R1	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C2R2	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C2R3	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C2R4	ND	3.00e-2	ug/g	0.00e+0
Mercury	353C3	ND	3.00e-2	ug/g	0.00e+0
Nickel	353C1R1		5.00e-2	ug/g	0.00e+0
Nickel	353C1R2	ND	5.00e-2	ug/g	0.00e+0
Nickel	353C1R3	ND	5.00e-2	ug/g	0.00e+0
Nickel	353C1R4	ND	5.00e-2	ug/g	0.00e+0
Nickel	353C2R1	ND	5.00e-2	ug/g	0.00e+0
Nickel	353C2R2		1.60e-1	ug/g	0.00e+0
Nickel	353C2R3		1.00e-1	ug/g	0.00e+0
Nickel	353C2R4		1.70e-1	ug/g	0.00e+0

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SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

4. EP ID: 353 DEVICE NAME: UNIT 703

EPA ID: MID000724724

REGION: 5

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

Nickel	353C3		7.00e-2	ug/g	0.00e+0	
Selenium	353C1R1		1.10e+1	ug/g	0.00e+0	
Selenium	353C1R2	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C1R3	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C1R4	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C2R1	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C2R2	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C2R3	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C2R4	ND	1.00e-2	ug/g	0.00e+0	
Selenium	353C3	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C1R1	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C1R2	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C1R3	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C1R4	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C2R1	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C2R2	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C2R3	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C2R4	ND	1.00e-2	ug/g	0.00e+0	
Thallium	353C3	ND	1.00e-2	ug/g	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Carbon Tetrachloride	353C1R1	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C1R2	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C1R3	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C1R4	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R1	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R2	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R3	ND	2.00e-3	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R4	ND	2.00e-3	ug/g	0.00e+0	
Chlorobenzene	353C1R1	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C1R2	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C1R3	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C1R4	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C2R1	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C2R2	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C2R3	ND	4.20e-3	ug/g	0.00e+0	
Chlorobenzene	353C2R4	ND	4.20e-3	ug/g	0.00e+0	

5. Type: FUEL

6. Description: DIESEL FUEL, FEED B2

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Chlorine	353C1R1		6.80e+2	ppmv	0.00e+0	
Chlorine	353C1R2		5.60e+2	ppmv	0.00e+0	
Chlorine	353C1R3		1.70e+1	ppmv	0.00e+0	
Chlorine	353C1R4		2.00e+1	ppmv	0.00e+0	
Chlorine	353C2R1		4.60e+5	ug/g	0.00e+0	
Chlorine	353C2R2		4.00e+5	ug/g	0.00e+0	
Chlorine	353C2R3		4.20e+5	ug/g	0.00e+0	
Chlorine	353C2R4		3.90e+5	ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Arsenic	353C1R1		1.00e+1	ug/g	0.00e+0	
Arsenic	353C1R2		1.00e+1	ug/g	0.00e+0	
Arsenic	353C1R3		1.00e+1	ug/g	0.00e+0	
Arsenic	353C1R4		9.00e+0	ug/g	0.00e+0	
Chromium	353C2R1		9.30e-1	ug/g	0.00e+0	
Chromium	353C2R2		1.20e-1	ug/g	0.00e+0	
Chromium	353C2R3		1.30e-1	ug/g	0.00e+0	
Chromium	353C2R4	ND	5.00e-1	ug/g	0.00e+0	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

EPA MID000724724

REGION: 5

4. EP ID: 353 DEVICE NAME: UNIT 703

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

Lead	353C1R3	2.00e-2	ug/g	0.00e+0	
Lead	353C1R4	1.00e-2	ug/g	0.00e+0	
Lead	353C2R1	2.00e-2	ug/g	0.00e+0	
Lead	353C2R2	3.00e-2	ug/g	0.00e+0	
Lead	353C2R3	3.00e-2	ug/g	0.00e+0	
Lead	353C2R4	1.00e-2	ug/g	0.00e+0	

6. Description: DIESEL FUEL

Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	353C1R1	6.80e+3	ug/g	0.00e+0	
Chlorine	353C1R2	7.20e+1	ug/g	0.00e+0	
Chlorine	353C1R3	4.50e+1	ug/g	0.00e+0	
Chlorine	353C1R4	3.90e+1	ug/g	0.00e+0	
Chlorine	353C2R1	5.90e+5	ug/g	0.00e+0	
Chlorine	353C2R2	6.60e+5	ug/g	0.00e+0	
Chlorine	353C2R3	6.30e+5	ug/g	0.00e+0	
Chlorine	353C2R4	6.30e+5	ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Arsenic	353C1R2	8.00e+0	ug/g	0.00e+0	
Arsenic	353C1R3	9.00e+0	ug/g	0.00e+0	
Arsenic	353C1R4	8.00e+0	ug/g	0.00e+0	
Chromium	353C1R1	2.80e-1	ug/g	0.00e+0	
Chromium	353C1R2	1.50e+0	ug/g	0.00e+0	
Chromium	353C1R3	3.30e-1	ug/g	0.00e+0	
Chromium	353C1R4	3.00e-1	ug/g	0.00e+0	
Lead	353C1R1	2.00e-2	ug/g	0.00e+0	
Lead	353C1R2	2.00e-2	ug/g	0.00e+0	
Lead	353C1R3	1.70e-1	ug/g	0.00e+0	
Lead	353C1R4	5.00e-2	ug/g	0.00e+0	
Lead	353C2R1	4.00e-2	ug/g	0.00e+0	
Lead	353C2R2	1.50e-1	ug/g	0.00e+0	
Lead	353C2R3	4.00e-2	ug/g	0.00e+0	
Lead	353C2R4	3.00e-2	ug/g	0.00e+0	

5. Type: WASTE

6. Description: TOTAL WASTE INPUT

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	353C1R1	0.00e+0		1.59e+2 lbs/hr	
Chlorine	353C1R2	0.00e+0		1.45e+2 lbs/hr	
Chlorine	353C1R3	0.00e+0		1.63e+2 lbs/hr	
Chlorine	353C1R4	0.00e+0		1.56e+2 lbs/hr	
Chlorine	353C2R1	0.00e+0		5.00e+3 lbs/hr	
Chlorine	353C2R2	0.00e+0		5.86e+3 lbs/hr	
Chlorine	353C2R3	0.00e+0		6.18e+3 lbs/hr	
Chlorine	353C2R4	0.00e+0		5.43e+3 lbs/hr	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	353C1R1	0.00e+0		1.12e+2 lbs/hr	
Carbon Tetrachloride	353C1R2	0.00e+0		1.13e+2 lbs/hr	
Carbon Tetrachloride	353C1R3	0.00e+0		1.27e+2 lbs/hr	
Carbon Tetrachloride	353C1R4	0.00e+0		1.19e+2 lbs/hr	
Carbon Tetrachloride	353C2R1	0.00e+0		5.28e+3 lbs/hr	
Carbon Tetrachloride	353C2R2	0.00e+0		6.45e+3 lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

4. EP ID: 353 DEVICE NAME: UNIT 703

EPA ID: MID000724724

REGION: 5

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

Carbon Tetrachloride	353C2R3	0.00e+0	6.80e+3 lbs/hr
Carbon Tetrachloride	353C2R4	0.00e+0	5.57e+3 lbs/hr
Chlorobenzene	353C1R1	0.00e+0	1.17e+2 lbs/hr
Chlorobenzene	353C1R2	0.00e+0	1.16e+2 lbs/hr
Chlorobenzene	353C1R3	0.00e+0	1.29e+2 lbs/hr
Chlorobenzene	353C1R4	0.00e+0	1.24e+2 lbs/hr
Chlorobenzene	353C2R1	0.00e+0	7.67e+1 lbs/hr
Chlorobenzene	353C2R2	0.00e+0	7.90e+1 lbs/hr
Chlorobenzene	353C2R3	0.00e+0	8.19e+1 lbs/hr
Chlorobenzene	353C2R4	0.00e+0	8.03e+1 lbs/hr

6. Description: CACL2 BRINE, FEED B1

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	353C1R1	1.63e+1 ppmv	0.00e+0	
Chlorine	353C1R2	1.69e+1 ppmv	0.00e+0	
Chlorine	353C1R3	1.61e+1 ppmv	0.00e+0	
Chlorine	353C1R4	1.59e+1 ppmv	0.00e+0	
Chlorine	353C2R1	7.30e+5 ug/g	0.00e+0	
Chlorine	353C2R2	7.60e+5 ug/g	0.00e+0	
Chlorine	353C2R3	7.40e+5 ug/g	0.00e+0	
Chlorine	353C2R4	7.60e+5 ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	353C2R1	ND 1.00e-1 ug/g	0.00e+0	
Antimony	353C2R2	ND 1.00e-1 ug/g	0.00e+0	
Antimony	353C2R3	2.50e+1 ug/g	0.00e+0	
Antimony	353C2R4	ND 1.00e-1 ug/g	0.00e+0	
Lead	353C2R1	4.00e-2 ug/g	0.00e+0	
Lead	353C2R2	ND 1.00e-2 ug/g	0.00e+0	
Lead	353C2R3	7.00e-2 ug/g	0.00e+0	
Lead	353C2R4	4.00e-2 ug/g	0.00e+0	

6. Description: POHC DRUM FEED

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	353C2R1	2.50e+4 ug/g	0.00e+0	
Chlorine	353C2R2	3.40e+4 ug/g	0.00e+0	
Chlorine	353C2R3	5.50e+4 ug/g	0.00e+0	
Chlorine	353C2R4	3.80e+4 ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	353C2R1	1.20e+1 ug/g	0.00e+0	
Antimony	353C2R2	1.20e+1 ug/g	0.00e+0	
Antimony	353C2R3	1.00e+1 ug/g	0.00e+0	
Antimony	353C2R4	1.00e+1 ug/g	0.00e+0	
Arsenic	353C2R1	2.10e+1 ug/g	0.00e+0	
Arsenic	353C2R2	2.10e+1 ug/g	0.00e+0	
Arsenic	353C2R3	1.70e+1 ug/g	0.00e+0	
Arsenic	353C2R4	1.90e+1 ug/g	0.00e+0	
Barium	353C2R1	2.00e+1 ug/g	0.00e+0	
Barium	353C2R2	1.90e+1 ug/g	0.00e+0	
Barium	353C2R3	2.20e+1 ug/g	0.00e+0	
Barium	353C2R4	2.00e+1 ug/g	0.00e+0	
Beryllium	353C2R1	ND 1.00e+1 ug/g	0.00e+0	
Beryllium	353C2R2	ND 1.00e+1 ug/g	0.00e+0	



SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.

2. STATE: MI

3. CITY: MIDLAND

4. EP ID: 353 DEVICE NAME: UNIT 703

EPA ID: MID000724724

REGION: 5

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VS/DM/ESP

Beryllium	353C2R3	ND	1.00e+1	ug/g	0.00e+0	
Beryllium	353C2R4	ND	1.00e+1	ug/g	0.00e+0	
Cadmium	353C2R1	ND	1.00e+1	ug/g	0.00e+0	
Cadmium	353C2R2	ND	1.00e+1	ug/g	0.00e+0	
Cadmium	353C2R3	ND	1.00e+1	ug/g	0.00e+0	
Cadmium	353C2R4	ND	1.00e+1	ug/g	0.00e+0	
Chromium	353C2R1		3.85e+2	ug/g	0.00e+0	
Chromium	353C2R2		2.65e+2	ug/g	0.00e+0	
Chromium	353C2R3		2.45e+2	ug/g	0.00e+0	
Chromium	353C2R4		3.28e+2	ug/g	0.00e+0	
Lead	353C2R1		4.60e+1	ug/g	0.00e+0	
Lead	353C2R2		3.70e+1	ug/g	0.00e+0	
Lead	353C2R3		3.40e+1	ug/g	0.00e+0	
Lead	353C2R4		3.30e+1	ug/g	0.00e+0	
Mercury	353C2R1	ND	2.00e-1	ug/g	0.00e+0	
Mercury	353C2R2	ND	2.00e-1	ug/g	0.00e+0	
Mercury	353C2R3	ND	2.00e-1	ug/g	0.00e+0	
Mercury	353C2R4	ND	2.00e-1	ug/g	0.00e+0	
Nickel	353C2R1	ND	1.00e+1	ug/g	0.00e+0	
Nickel	353C2R2	ND	1.00e+1	ug/g	0.00e+0	
Nickel	353C2R3	ND	1.00e+1	ug/g	0.00e+0	
Nickel	353C2R4	ND	1.00e+1	ug/g	0.00e+0	
Selenium	353C2R1	ND	5.00e+0	ug/g	0.00e+0	
Selenium	353C2R2	ND	5.00e+0	ug/g	0.00e+0	
Selenium	353C2R3	ND	5.00e+0	ug/g	0.00e+0	
Selenium	353C2R4	ND	5.00e+0	ug/g	0.00e+0	
Thallium	353C2R1	ND	5.00e-2	ug/g	0.00e+0	
Thallium	353C2R2	ND	5.00e-2	ug/g	0.00e+0	
Thallium	353C2R3	ND	5.00e-2	ug/g	0.00e+0	
Thallium	353C2R4	ND	5.00e-2	ug/g	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	353C2R1	3.90e+0	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R2	4.60e-1	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R3	5.30e-1	ug/g	0.00e+0	
Carbon Tetrachloride	353C2R4	2.40e-1	ug/g	0.00e+0	
Chlorobenzene	353C2R1	2.10e+1	ug/g	0.00e+0	
Chlorobenzene	353C2R2	7.70e+0	ug/g	0.00e+0	
Chlorobenzene	353C2R3	5.90e+0	ug/g	0.00e+0	
Chlorobenzene	353C2R4	3.20e+0	ug/g	0.00e+0	

SECTION 8: OTHER STREAM 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: BA ASH

6. Description: INCINERATOR  
 Group: ROTARY KILN Location: ALL CHAMBERS Phase: SOLID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	354C1R1	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C1R2	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C1R3	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C1R4	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C2R1	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C2R2	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C2R3	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C2R4	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C3R1	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C3R2	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C3R3	ND	5.00e-3 ug/g	0.00e+0	
Carbon Tetrachloride	354C3R4	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C1R1	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C1R2	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C1R3	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C1R4	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C2R1	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C2R2	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C2R3	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C2R4	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C3R1	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C3R2	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C3R3	ND	5.00e-3 ug/g	0.00e+0	
Chlorobenzene	354C3R4	ND	5.00e-3 ug/g	0.00e+0	

5. Type: BLOWDOWN

6. Description: QUENCH WATER EXIT  
 Group: ROTARY KILN Location: QUENCH COLUMN Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	354C2R1	4.10e+3	mg/l	0.00e+0	
Chlorine	354C2R2	4.20e+3	mg/l	0.00e+0	
Chlorine	354C2R3	4.10e+3	mg/l	0.00e+0	
Chlorine	354C2R4	4.20e+3	mg/l	0.00e+0	
Chlorine	354C3R1	1.70e+3	mg/l	0.00e+0	
Chlorine	354C3R2	1.90e+3	mg/l	0.00e+0	
Chlorine	354C3R3	1.70e+3	mg/l	0.00e+0	
Chlorine	354C3R4	1.80e+3	mg/l	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	354C1R1	2.70e-1	mg/l	0.00e+0	
Antimony	354C1R2	2.20e-2	mg/l	0.00e+0	
Antimony	354C1R3	2.60e-2	mg/l	0.00e+0	
Antimony	354C1R4	2.40e-2	mg/l	0.00e+0	
Arsenic	354C1R1	3.40e-2	mg/l	0.00e+0	
Arsenic	354C1R2	3.10e-2	mg/l	0.00e+0	
Arsenic	354C1R3	2.80e-2	mg/l	0.00e+0	
Arsenic	354C1R4	2.90e-2	mg/l	0.00e+0	
Barium	354C1R1	6.30e-2	mg/l	0.00e+0	
Barium	354C1R2	6.40e-2	mg/l	0.00e+0	
Barium	354C1R3	5.60e-2	mg/l	0.00e+0	
Barium	354C1R4	5.40e-2	mg/l	0.00e+0	
Cadmium	354C1R1	1.10e-1	mg/l	0.00e+0	
Cadmium	354C1R2	1.20e-1	mg/l	0.00e+0	
Cadmium	354C1R3	1.20e-1	mg/l	0.00e+0	
Cadmium	354C1R4	1.10e-1	mg/l	0.00e+0	

SECTION 8: OTHER STREAM 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

Chromium	354C1R1	8.00e-2	mg/l	0.00e+0
Chromium	354C1R2	8.60e-2	mg/l	0.00e+0
Chromium	354C1R3	7.90e-2	mg/l	0.00e+0
Chromium	354C1R4	7.40e-2	mg/l	0.00e+0
Lead	354C1R1	1.40e+0	mg/l	0.00e+0
Lead	354C1R2	1.40e+0	mg/l	0.00e+0
Lead	354C1R3	1.50e+0	mg/l	0.00e+0
Lead	354C1R4	1.50e+0	mg/l	0.00e+0
Mercury	354C1R1	1.80e-1	mg/l	0.00e+0
Mercury	354C1R2	1.90e-1	mg/l	0.00e+0
Mercury	354C1R3	1.80e-1	mg/l	0.00e+0
Mercury	354C1R4	1.80e-1	mg/l	0.00e+0
Silver	354C1R1	7.20e-2	mg/l	0.00e+0
Silver	354C1R2	8.30e-2	mg/l	0.00e+0
Silver	354C1R3	7.10e-2	mg/l	0.00e+0
Silver	354C1R4	6.90e-2	mg/l	0.00e+0

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	354C1R1	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C1R2	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C1R3	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C1R4	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R1	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R2	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R3	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R4	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R1	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R2	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R3	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R4	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R1	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R2	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R3	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R4	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R1	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R2	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R3	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R4	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C3R1	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C3R2	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C3R3	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C3R4	ND	4.00e-4 mg/l	0.00e+0	

6. Description: DEMISTER EXIT WATER

Group: ROTARY KILN

Location: DEMISTER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	354C1R1	3.20e+3	mg/l	0.00e+0	
Chlorine	354C1R2	3.60e+3	mg/l	0.00e+0	
Chlorine	354C1R3	3.50e+3	mg/l	0.00e+0	
Chlorine	354C1R4	4.30e+3	mg/l	0.00e+0	
Chlorine	354C2R1	6.30e+2	mg/l	0.00e+0	
Chlorine	354C2R2	7.30e+2	mg/l	0.00e+0	
Chlorine	354C2R3	5.00e+2	mg/l	0.00e+0	
Chlorine	354C2R4	7.80e+2	mg/l	0.00e+0	
Chlorine	354C3R1	7.40e+3	mg/l	0.00e+0	
Chlorine	354C3R2	7.80e+3	mg/l	0.00e+0	
Chlorine	354C3R3	5.80e+3	mg/l	0.00e+0	
Chlorine	354C3R4	5.70e+3	mg/l	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	354C1R1	5.00e-1	mg/l	0.00e+0	

SECTION 8: OTHER STREAM 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/VS/DM/IWS

Antimony	354C1R2	5.20e-1	mg/l	0.00e+0
Antimony	354C1R3	3.70e-1	mg/l	0.00e+0
Antimony	354C1R4	5.60e-1	mg/l	0.00e+0
Arsenic	354C1R1	1.20e+0	mg/l	0.00e+0
Arsenic	354C1R2	1.50e+0	mg/l	0.00e+0
Arsenic	354C1R3	9.10e-1	mg/l	0.00e+0
Arsenic	354C1R4	1.60e+0	mg/l	0.00e+0
Barium	354C1R1	6.80e-1	mg/l	0.00e+0
Barium	354C1R2	8.80e-1	mg/l	0.00e+0
Barium	354C1R3	6.40e-1	mg/l	0.00e+0
Barium	354C1R4	8.70e-1	mg/l	0.00e+0
Cadmium	354C1R1	5.40e+0	mg/l	0.00e+0
Cadmium	354C1R2	7.20e+0	mg/l	0.00e+0
Cadmium	354C1R3	4.90e+0	mg/l	0.00e+0
Cadmium	354C1R4	7.30e+0	mg/l	0.00e+0
Chromium	354C1R1	1.40e+0	mg/l	0.00e+0
Chromium	354C1R2	1.60e+0	mg/l	0.00e+0
Chromium	354C1R3	1.10e+0	mg/l	0.00e+0
Chromium	354C1R4	1.60e+0	mg/l	0.00e+0
Lead	354C1R1	8.10e+1	mg/l	0.00e+0
Lead	354C1R2	9.20e+1	mg/l	0.00e+0
Lead	354C1R3	7.50e+1	mg/l	0.00e+0
Lead	354C1R4	1.10e+2	mg/l	0.00e+0
Mercury	354C1R1	2.30e+0	mg/l	0.00e+0
Mercury	354C1R2	4.50e+0	mg/l	0.00e+0
Mercury	354C1R3	2.90e+0	mg/l	0.00e+0
Mercury	354C1R4	5.20e+0	mg/l	0.00e+0
Silver	354C1R1	4.80e-1	mg/l	0.00e+0
Silver	354C1R2	5.20e-1	mg/l	0.00e+0
Silver	354C1R3	4.80e-1	mg/l	0.00e+0
Silver	354C1R4	7.30e-1	mg/l	0.00e+0

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
Carbon Tetrachloride	354C1R1	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C1R2	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C1R3	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C1R4	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C2R1	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C2R2	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C2R3	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C2R4	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C3R1	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C3R2	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C3R3	ND	4.00e-4	mg/l	0.00e+0	
Carbon Tetrachloride	354C3R4	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C1R1	ND	4.00e-1	mg/l	0.00e+0	
Chlorobenzene	354C1R2	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C1R3	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C1R4	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C2R1	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C2R2	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C2R3		3.20e-3	mg/l	0.00e+0	
Chlorobenzene	354C2R4		1.80e-3	mg/l	0.00e+0	
Chlorobenzene	354C3R1	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C3R2	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C3R3	ND	4.00e-4	mg/l	0.00e+0	
Chlorobenzene	354C3R4	ND	4.00e-4	mg/l	0.00e+0	

6. Description: IWS EXIT WATER

Group: ROTARY KILN

Location: IONIZING WET SCRUBBE

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	354C1R1	1.40e+2	mg/l	0.00e+0	
Chlorine	354C1R2	1.50e+2	mg/l	0.00e+0	

SECTION 8: OTHER STREAM 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

Chlorine	354C1R3	2.50e+2	mg/l	0.00e+0
Chlorine	354C1R4	2.60e+2	mg/l	0.00e+0
Chlorine	354C2R1	1.05e+2	mg/l	0.00e+0
Chlorine	354C2R2	7.90e+1	mg/l	0.00e+0
Chlorine	354C2R3	8.30e+1	mg/l	0.00e+0
Chlorine	354C2R4	9.00e+1	mg/l	0.00e+0
Chlorine	354C3R1	3.00e+1	mg/l	0.00e+0
Chlorine	354C3R2	2.90e+1	mg/l	0.00e+0
Chlorine	354C3R3	3.20e+1	mg/l	0.00e+0
Chlorine	354C3R4	3.00e+1	mg/l	0.00e+0

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	354C1R1	ND	2.00e-2 mg/l	0.00e+0	
Antimony	354C1R2	ND	2.00e-2 mg/l	0.00e+0	
Antimony	354C1R3	ND	2.00e-2 mg/l	0.00e+0	
Antimony	354C1R4	ND	2.00e-2 mg/l	0.00e+0	
Arsenic	354C1R1	ND	2.00e-2 mg/l	0.00e+0	
Arsenic	354C1R2	ND	2.00e-2 mg/l	0.00e+0	
Arsenic	354C1R3	ND	2.00e-2 mg/l	0.00e+0	
Arsenic	354C1R4	ND	2.00e-2 mg/l	0.00e+0	
Barium	354C1R1		1.40e-2 mg/l	0.00e+0	
Barium	354C1R2		1.30e-2 mg/l	0.00e+0	
Barium	354C1R3		1.20e-2 mg/l	0.00e+0	
Barium	354C1R4		1.30e-2 mg/l	0.00e+0	
Cadmium	354C1R1		6.20e-2 mg/l	0.00e+0	
Cadmium	354C1R2		7.20e-2 mg/l	0.00e+0	
Cadmium	354C1R3		5.90e-2 mg/l	0.00e+0	
Cadmium	354C1R4		8.90e-2 mg/l	0.00e+0	
Chromium	354C1R1		8.20e-2 mg/l	0.00e+0	
Chromium	354C1R2		6.10e-2 mg/l	0.00e+0	
Chromium	354C1R3		7.60e-2 mg/l	0.00e+0	
Chromium	354C1R4		9.00e-2 mg/l	0.00e+0	
Lead	354C1R1		2.80e-1 mg/l	0.00e+0	
Lead	354C1R2		2.90e-1 mg/l	0.00e+0	
Lead	354C1R3		4.50e-1 mg/l	0.00e+0	
Lead	354C1R4		6.60e-1 mg/l	0.00e+0	
Mercury	354C1R1		3.80e-2 mg/l	0.00e+0	
Mercury	354C1R2		4.80e-2 mg/l	0.00e+0	
Mercury	354C1R3		3.70e-2 mg/l	0.00e+0	
Mercury	354C1R4		4.50e-2 mg/l	0.00e+0	
Silver	354C1R1		1.20e-2 mg/l	0.00e+0	
Silver	354C1R2	ND	1.00e-2 mg/l	0.00e+0	
Silver	354C1R3		1.10e-2 mg/l	0.00e+0	
Silver	354C1R4		1.10e-2 mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	354C1R1		9.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C1R2	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C1R3	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C1R4	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R1	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R2	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R3	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C2R4	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R1	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R2	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R3	ND	4.00e-4 mg/l	0.00e+0	
Carbon Tetrachloride	354C3R4	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R1	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R2	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R3	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C1R4	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R1	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R2	ND	4.00e-4 mg/l	0.00e+0	
Chlorobenzene	354C2R3		3.10e-3 mg/l	0.00e+0	

SECTION 8: OTHER STREAM 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/VS/DM/IWS

Chlorobenzene	354C2R4	3.60e-3	mg/l	0.00e+0	
Chlorobenzene	354C3R1	ND	4.00e-4	mg/l	0.00e+0
Chlorobenzene	354C3R2	ND	4.00e-4	mg/l	0.00e+0
Chlorobenzene	354C3R3	ND	4.00e-4	mg/l	0.00e+0
Chlorobenzene	354C3R4	ND	4.00e-4	mg/l	0.00e+0

5. Type: FUEL

6. Description: BURNER1, DIESEL/POHC

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	354C1R1	4.65e+5	ug/g	7.53e+2 lbs/hr	CC
Chlorine	354C1R2	4.09e+5	ug/g	7.61e+2 lbs/hr	CC
Chlorine	354C1R3	8.51e+2	ug/g	1.58e+0 lbs/hr	CE
Chlorine	354C1R4	4.70e+5	ug/g	9.02e+2 lbs/hr	CC
Chlorine	354C2R1	4.50e+5	ug/g	3.35e+2 lbs/hr	CC
Chlorine	354C2R2	4.40e+5	ug/g	3.27e+2 lbs/hr	CC
Chlorine	354C2R3	4.40e+5	ug/g	3.38e+2 lbs/hr	CC
Chlorine	354C2R4	4.41e+5	ug/g	3.41e+2 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Antimony	354C1R1	ND	2.00e-1	ug/g	3.24e-4 lbs/hr	CE
Antimony	354C1R2	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Antimony	354C1R3	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Antimony	354C1R4	ND	2.00e-1	ug/g	3.84e-4 lbs/hr	CE
Arsenic	354C1R1	ND	2.00e-1	ug/g	3.24e-4 lbs/hr	CE
Arsenic	354C1R2	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Arsenic	354C1R3	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Arsenic	354C1R4	ND	2.00e-1	ug/g	3.84e-4 lbs/hr	CE
Barium	354C1R1	ND	2.00e-1	ug/g	3.24e-4 lbs/hr	CE
Barium	354C1R2	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Barium	354C1R3	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Barium	354C1R4	ND	2.00e-1	ug/g	3.84e-4 lbs/hr	CE
Cadmium	354C1R1	ND	2.00e-1	ug/g	3.24e-4 lbs/hr	CE
Cadmium	354C1R2	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Cadmium	354C1R3	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Cadmium	354C1R4	ND	2.00e-1	ug/g	3.84e-4 lbs/hr	CE
Chromium	354C1R1	ND	2.00e-1	ug/g	3.24e-4 lbs/hr	CE
Chromium	354C1R2	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Chromium	354C1R3	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Chromium	354C1R4	ND	2.00e-1	ug/g	3.84e-4 lbs/hr	CE
Lead	354C1R1	ND	2.50e-1	ug/g	4.05e-4 lbs/hr	CE
Lead	354C1R2	ND	2.50e-1	ug/g	4.65e-4 lbs/hr	CE
Lead	354C1R3	ND	2.50e-1	ug/g	4.65e-4 lbs/hr	CE
Lead	354C1R4	3.60e-1	ug/g	6.91e-4 lbs/hr	CE	
Mercury	354C1R1	ND	1.00e-1	ug/g	1.62e-4 lbs/hr	CE
Mercury	354C1R2	ND	1.00e-1	ug/g	1.86e-4 lbs/hr	CE
Mercury	354C1R3	ND	1.00e-1	ug/g	1.86e-4 lbs/hr	CE
Mercury	354C1R4	ND	1.00e-1	ug/g	1.92e-4 lbs/hr	CE
Silver	354C1R1	ND	2.00e-1	ug/g	3.24e-4 lbs/hr	CE
Silver	354C1R2	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Silver	354C1R3	ND	2.00e-1	ug/g	3.72e-4 lbs/hr	CE
Silver	354C1R4	ND	2.00e-1	ug/g	3.84e-4 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	354C2R1	1.42e+5	ug/g	1.06e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R2	1.42e+5	ug/g	1.06e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R3	1.43e+5	ug/g	1.10e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R4	1.45e+5	ug/g	1.12e+2 lbs/hr	CC

SECTION 8: OTHER STREAM 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

6. Description: BURNER4, DIESEL/POHC

Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	354C1R1	4.60e+5	ug/g	8.11e+2 lbs/hr	CC
Chlorine	354C1R2	4.70e+5	ug/g	8.46e+2 lbs/hr	CC
Chlorine	354C1R3	4.80e+5	ug/g	7.92e+2 lbs/hr	CC
Chlorine	354C1R4	4.70e+5	ug/g	7.61e+2 lbs/hr	CC
Chlorine	354C2R1	4.50e+5	ug/g	5.94e+2 lbs/hr	CC
Chlorine	354C2R2	4.40e+5	ug/g	5.81e+2 lbs/hr	CC
Chlorine	354C2R3	4.40e+5	ug/g	5.81e+2 lbs/hr	CC
Chlorine	354C2R4	4.40e+5	ug/g	6.02e+2 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	354C1R1	ND	2.00e-1 ug/g	3.53e-4 lbs/hr	CE
Antimony	354C1R2	ND	2.00e-1 ug/g	3.60e-4 lbs/hr	CE
Antimony	354C1R3	ND	2.00e-1 ug/g	3.30e-4 lbs/hr	CE
Antimony	354C1R4	ND	2.00e-1 ug/g	3.24e-4 lbs/hr	CE
Arsenic	354C1R1	ND	2.00e-1 ug/g	3.53e-4 lbs/hr	CE
Arsenic	354C1R2	ND	2.00e-1 ug/g	3.60e-4 lbs/hr	CE
Arsenic	354C1R3	ND	2.00e-1 ug/g	3.30e-4 lbs/hr	CE
Arsenic	354C1R4	ND	2.00e-1 ug/g	3.24e-4 lbs/hr	CE
Barium	354C1R1	ND	2.00e-1 ug/g	3.53e-4 lbs/hr	CE
Barium	354C1R2	ND	2.00e-1 ug/g	3.60e-4 lbs/hr	CE
Barium	354C1R3	ND	2.00e-1 ug/g	3.30e-4 lbs/hr	CE
Barium	354C1R4	ND	2.00e-1 ug/g	3.24e-4 lbs/hr	CE
Cadmium	354C1R1	ND	2.00e-1 ug/g	3.53e-4 lbs/hr	CE
Cadmium	354C1R2	ND	2.00e-1 ug/g	3.60e-4 lbs/hr	CE
Cadmium	354C1R3	ND	2.00e-1 ug/g	3.30e-4 lbs/hr	CE
Cadmium	354C1R4	ND	2.00e-1 ug/g	3.24e-4 lbs/hr	CE
Chromium	354C1R1	ND	2.00e-1 ug/g	3.53e-4 lbs/hr	CE
Chromium	354C1R2	ND	2.00e-1 ug/g	3.60e-4 lbs/hr	CE
Chromium	354C1R3	ND	2.00e-1 ug/g	3.30e-4 lbs/hr	CE
Chromium	354C1R4	ND	2.00e-1 ug/g	3.24e-4 lbs/hr	CE
Lead	354C1R1	ND	2.50e-1 ug/g	4.41e-4 lbs/hr	CE
Lead	354C1R2	ND	2.50e-1 ug/g	4.50e-4 lbs/hr	CE
Lead	354C1R3	ND	2.50e-1 ug/g	4.12e-4 lbs/hr	CE
Lead	354C1R4	ND	3.60e-1 ug/g	5.83e-4 lbs/hr	CE
Mercury	354C1R1	ND	1.00e-1 ug/g	1.76e-4 lbs/hr	CE
Mercury	354C1R2	ND	1.00e-1 ug/g	1.80e-4 lbs/hr	CE
Mercury	354C1R3	ND	1.00e-1 ug/g	1.65e-4 lbs/hr	CE
Mercury	354C1R4	ND	1.00e-1 ug/g	1.62e-4 lbs/hr	CE
Silver	354C1R1	ND	2.00e-1 ug/g	3.53e-4 lbs/hr	CE
Silver	354C1R2	ND	2.00e-1 ug/g	3.60e-4 lbs/hr	CE
Silver	354C1R3	ND	2.00e-1 ug/g	3.30e-4 lbs/hr	CE
Silver	354C1R4	ND	2.00e-1 ug/g	3.24e-4 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	354C2R1	1.42e+5	ug/g	1.87e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R2	1.42e+5	ug/g	1.87e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R3	1.43e+5	ug/g	1.89e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R4	1.45e+5	ug/g	1.98e+2 lbs/hr	CC

6. Description: BURNER2, DIESEL/POHC

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	354C1R1	4.60e+5	ug/g	7.53e+2 lbs/hr	CC

SECTION 8: OTHER STREAM 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

Chlorine	354C1R2	4.70e+5	ug/g	7.61e+2	lbs/hr	CC
Chlorine	354C1R3	4.80e+5	ug/g	9.01e+2	lbs/hr	CC
Chlorine	354C1R4	4.70e+5	ug/g	9.02e+2	lbs/hr	CC
Chlorine	354C2R1	4.50e+5	ug/g	3.35e+2	lbs/hr	CC
Chlorine	354C2R2	4.40e+5	ug/g	3.27e+2	lbs/hr	CC
Chlorine	354C2R3	4.40e+5	ug/g	3.38e+2	lbs/hr	CC
Chlorine	354C2R4	4.40e+5	ug/g	3.59e+2	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Antimony	354C1R1	ND	2.00e-1 ug/g	3.28e-4	lbs/hr	CE
Antimony	354C1R2	ND	2.00e-1 ug/g	3.24e-4	lbs/hr	CE
Antimony	354C1R3	ND	2.00e-1 ug/g	3.76e-4	lbs/hr	CE
Antimony	354C1R4	ND	2.00e-1 ug/g	3.84e-4	lbs/hr	CE
Arsenic	354C1R1	ND	2.00e-1 ug/g	3.28e-4	lbs/hr	CE
Arsenic	354C1R2	ND	2.00e-1 ug/g	3.24e-4	lbs/hr	CE
Arsenic	354C1R3	ND	2.00e-1 ug/g	3.76e-4	lbs/hr	CE
Arsenic	354C1R4	ND	2.00e-1 ug/g	3.84e-4	lbs/hr	CE
Barium	354C1R1	ND	2.00e-1 ug/g	3.28e-4	lbs/hr	CE
Barium	354C1R2	ND	2.00e-1 ug/g	3.24e-4	lbs/hr	CE
Barium	354C1R3	ND	2.00e-1 ug/g	3.76e-4	lbs/hr	CE
Barium	354C1R4	ND	2.00e-1 ug/g	3.84e-4	lbs/hr	CE
Cadmium	354C1R1	ND	2.00e-1 ug/g	3.28e-4	lbs/hr	CE
Cadmium	354C1R2	ND	2.00e-1 ug/g	3.24e-4	lbs/hr	CE
Cadmium	354C1R3	ND	2.00e-1 ug/g	3.76e-4	lbs/hr	CE
Cadmium	354C1R4	ND	2.00e-1 ug/g	3.84e-4	lbs/hr	CE
Chromium	354C1R1	ND	2.00e-1 ug/g	3.28e-4	lbs/hr	CE
Chromium	354C1R2	ND	2.00e-1 ug/g	3.24e-4	lbs/hr	CE
Chromium	354C1R3	ND	2.00e-1 ug/g	3.76e-4	lbs/hr	CE
Chromium	354C1R4	ND	2.00e-1 ug/g	3.84e-4	lbs/hr	CE
Lead	354C1R1	ND	2.50e-1 ug/g	4.09e-4	lbs/hr	CE
Lead	354C1R2	ND	2.50e-1 ug/g	4.05e-4	lbs/hr	CE
Lead	354C1R3	ND	2.50e-1 ug/g	4.69e-4	lbs/hr	CE
Lead	354C1R4	ND	3.60e-1 ug/g	6.91e-4	lbs/hr	CE
Mercury	354C1R1	ND	1.00e-1 ug/g	1.64e-4	lbs/hr	CE
Mercury	354C1R2	ND	1.00e-1 ug/g	1.62e-4	lbs/hr	CE
Mercury	354C1R3	ND	1.00e-1 ug/g	1.88e-4	lbs/hr	CE
Mercury	354C1R4	ND	1.00e-1 ug/g	1.92e-4	lbs/hr	CE
Silver	354C1R1	ND	2.00e-1 ug/g	3.28e-4	lbs/hr	CE
Silver	354C1R2	ND	2.00e-1 ug/g	3.24e-4	lbs/hr	CE
Silver	354C1R3	ND	2.00e-1 ug/g	3.76e-4	lbs/hr	CE
Silver	354C1R4	ND	2.00e-1 ug/g	3.84e-4	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	354C2R1	1.42e+5	ug/g	1.06e+2	lbs/hr	CE
Carbon Tetrachloride	354C2R2	1.42e+5	ug/g	1.06e+2	lbs/hr	CE
Carbon Tetrachloride	354C2R3	1.43e+5	ug/g	1.10e+2	lbs/hr	CE
Carbon Tetrachloride	354C2R4	1.45e+5	ug/g	1.18e+2	lbs/hr	CE

6. Description: BURNERS5, DIESEL/POHC

Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	354C2R1	4.50e+5	ug/g	5.94e+2	lbs/hr	CE
Chlorine	354C2R2	4.40e+5	ug/g	5.81e+2	lbs/hr	CE
Chlorine	354C2R3	4.40e+5	ug/g	5.81e+2	lbs/hr	CE
Chlorine	354C2R4	4.40e+5	ug/g	5.86e+2	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
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US EPA ARCHIVE DOCUMENT



SECTION 8: OTHER STREAM 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/VIS/DM/IWS

Carbon Tetrachloride	354C2R1	1.42e+5	ug/g	1.87e+2	lbs/hr	CE
Carbon Tetrachloride	354C2R2	1.42e+5	ug/g	1.87e+2	lbs/hr	CE
Carbon Tetrachloride	354C2R3	1.43e+5	ug/g	1.89e+2	lbs/hr	CE
Carbon Tetrachloride	354C2R4	1.45e+5	ug/g	1.93e+2	lbs/hr	CE

5. Type: WASTE

6. Description: BURNER 1&2. POHC

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	354C1R1	6.24e+5	ug/g	5.30e+1	lbs/hr	CC
Chlorine	354C1R2	6.22e+5	ug/g	4.60e+1	lbs/hr	CC
Chlorine	354C1R3	6.21e+5	ug/g	5.40e+1	lbs/hr	CC
Chlorine	354C1R4	6.24e+5	ug/g	5.80e+1	lbs/hr	CC
Chlorine	354C2R1	9.22e+5	ug/g	1.18e+2	lbs/hr	CC
Chlorine	354C2R2	9.21e+5	ug/g	1.17e+2	lbs/hr	CC
Chlorine	354C2R3	9.15e+5	ug/g	1.19e+2	lbs/hr	CC
Chlorine	354C2R4	9.16e+5	ug/g	9.80e+1	lbs/hr	CC
Chlorine	354C3R1	6.24e+5	ug/g	5.80e+1	lbs/hr	CC
Chlorine	354C3R2	6.21e+5	ug/g	8.20e+1	lbs/hr	CC
Chlorine	354C3R3	6.21e+5	ug/g	5.90e+1	lbs/hr	CC
Chlorine	354C3R4	6.19e+5	ug/g	6.00e+1	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	354C1R1	5.06e+5	ug/g	4.30e+1	lbs/hr	CC
Carbon Tetrachloride	354C1R2	5.00e+5	ug/g	3.70e+1	lbs/hr	CC
Carbon Tetrachloride	354C1R3	5.06e+5	ug/g	4.40e+1	lbs/hr	CC
Carbon Tetrachloride	354C1R4	5.05e+5	ug/g	4.70e+1	lbs/hr	CC
Carbon Tetrachloride	354C2R1	1.00e+6	ug/g	1.28e+2	lbs/hr	CC
Carbon Tetrachloride	354C2R2	1.00e+6	ug/g	1.27e+2	lbs/hr	CC
Carbon Tetrachloride	354C2R3	1.00e+6	ug/g	1.30e+2	lbs/hr	CC
Carbon Tetrachloride	354C2R4	1.00e+6	ug/g	1.07e+2	lbs/hr	CC
Carbon Tetrachloride	354C3R1	5.05e+5	ug/g	4.70e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R2	5.00e+5	ug/g	6.60e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R3	5.05e+5	ug/g	4.80e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R4	4.95e+5	ug/g	4.80e+1	lbs/hr	CC
Chlorobenzene	354C1R1	5.06e+5	ug/g	4.30e+1	lbs/hr	CC
Chlorobenzene	354C1R2	5.00e+5	ug/g	3.70e+1	lbs/hr	CC
Chlorobenzene	354C1R3	5.06e+5	ug/g	4.40e+1	lbs/hr	CC
Chlorobenzene	354C1R4	5.05e+5	ug/g	4.70e+1	lbs/hr	CC
Chlorobenzene	354C3R1	5.05e+5	ug/g	4.70e+1	lbs/hr	CC
Chlorobenzene	354C3R2	5.00e+5	ug/g	6.60e+1	lbs/hr	CC
Chlorobenzene	354C3R3	5.05e+5	ug/g	4.80e+1	lbs/hr	CC
Chlorobenzene	354C3R4	4.95e+5	ug/g	4.80e+1	lbs/hr	CC

6. Description: BURNER 4-POHC

Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	354C1R1	6.05e+5	ug/g	2.60e+1	lbs/hr	CC
Chlorine	354C1R2	6.32e+5	ug/g	2.40e+1	lbs/hr	CC
Chlorine	354C1R3	6.28e+5	ug/g	2.70e+1	lbs/hr	CC
Chlorine	354C1R4	6.15e+5	ug/g	2.40e+1	lbs/hr	CC
Chlorine	354C3R1	6.13e+5	ug/g	5.70e+1	lbs/hr	CC
Chlorine	354C3R2	6.22e+5	ug/g	6.10e+1	lbs/hr	CC
Chlorine	354C3R3	6.17e+5	ug/g	5.80e+1	lbs/hr	CC
Chlorine	354C3R4	6.24e+5	ug/g	5.80e+1	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
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US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

Carbon Tetrachloride	354C1R1	4.88e+5	ug/g	2.10e+1	lbs/hr	CC
Carbon Tetrachloride	354C1R2	5.00e+5	ug/g	1.90e+1	lbs/hr	CC
Carbon Tetrachloride	354C1R3	5.12e+5	ug/g	2.20e+1	lbs/hr	CC
Carbon Tetrachloride	354C1R4	5.13e+5	ug/g	2.00e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R1	4.95e+5	ug/g	4.60e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R2	5.00e+5	ug/g	4.90e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R3	5.00e+5	ug/g	4.70e+1	lbs/hr	CC
Carbon Tetrachloride	354C3R4	5.05e+5	ug/g	4.70e+1	lbs/hr	CC
Chlorobenzene	354C1R1	4.88e+5	ug/g	2.10e+1	lbs/hr	CC
Chlorobenzene	354C1R2	5.00e+5	ug/g	1.90e+1	lbs/hr	CC
Chlorobenzene	354C1R3	5.12e+5	ug/g	2.20e+1	lbs/hr	CC
Chlorobenzene	354C1R4	5.13e+5	ug/g	2.00e+1	lbs/hr	CC
Chlorobenzene	354C3R1	4.95e+5	ug/g	4.60e+1	lbs/hr	CC
Chlorobenzene	354C3R2	5.00e+5	ug/g	4.90e+1	lbs/hr	CC
Chlorobenzene	354C3R3	5.00e+5	ug/g	4.70e+1	lbs/hr	CC
Chlorobenzene	354C3R4	5.05e+5	ug/g	4.70e+1	lbs/hr	CC

6. Description: PACKS  
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	354C1R1	1.87e+4 ug/g	1.01e+2 lbs/hr	CC
Chlorine	354C1R2	1.82e+4 ug/g	1.01e+2 lbs/hr	CC
Chlorine	354C1R3	1.82e+4 ug/g	1.01e+2 lbs/hr	CC
Chlorine	354C1R4	1.90e+4 ug/g	1.01e+2 lbs/hr	CC
Chlorine	354C2R1	9.13e+3 ug/g	1.17e+2 lbs/hr	CC
Chlorine	354C2R2	8.71e+3 ug/g	1.08e+2 lbs/hr	CC
Chlorine	354C2R3	8.82e+3 ug/g	1.05e+2 lbs/hr	CC
Chlorine	354C2R4	8.84e+3 ug/g	1.07e+2 lbs/hr	CC
Chlorine	354C3R1	9.32e+3 ug/g	9.30e+1 lbs/hr	CC
Chlorine	354C3R2	1.16e+4 ug/g	1.07e+2 lbs/hr	CC
Chlorine	354C3R3	1.19e+4 ug/g	1.07e+2 lbs/hr	CC
Chlorine	354C3R4	1.15e+4 ug/g	1.06e+2 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	354C1R1	1.52e+4 ug/g	8.20e+1 lbs/hr	CC
Carbon Tetrachloride	354C1R2	1.48e+4 ug/g	8.20e+1 lbs/hr	CC
Carbon Tetrachloride	354C1R3	1.48e+4 ug/g	8.20e+1 lbs/hr	CC
Carbon Tetrachloride	354C1R4	1.54e+4 ug/g	8.20e+1 lbs/hr	CC
Carbon Tetrachloride	354C2R1	9.91e+3 ug/g	1.27e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R2	9.44e+3 ug/g	1.17e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R3	9.58e+3 ug/g	1.14e+2 lbs/hr	CC
Carbon Tetrachloride	354C2R4	9.58e+3 ug/g	1.16e+2 lbs/hr	CC
Carbon Tetrachloride	354C3R1	7.42e+3 ug/g	7.40e+1 lbs/hr	CC
Carbon Tetrachloride	354C3R2	9.18e+3 ug/g	8.50e+1 lbs/hr	CC
Carbon Tetrachloride	354C3R3	9.57e+3 ug/g	8.60e+1 lbs/hr	CC
Carbon Tetrachloride	354C3R4	9.33e+3 ug/g	8.60e+1 lbs/hr	CC
Chlorobenzene	354C1R1	1.48e+4 ug/g	8.00e+1 lbs/hr	CC
Chlorobenzene	354C1R2	1.46e+4 ug/g	8.10e+1 lbs/hr	CC
Chlorobenzene	354C1R3	1.44e+4 ug/g	8.00e+1 lbs/hr	CC
Chlorobenzene	354C1R4	1.50e+4 ug/g	8.00e+1 lbs/hr	CC
Chlorobenzene	354C3R1	7.72e+3 ug/g	7.70e+1 lbs/hr	CC
Chlorobenzene	354C3R2	9.72e+3 ug/g	9.00e+1 lbs/hr	CC
Chlorobenzene	354C3R3	9.68e+3 ug/g	8.70e+1 lbs/hr	CC
Chlorobenzene	354C3R4	9.33e+3 ug/g	8.60e+1 lbs/hr	CC

6. Description: WASTEWATER TREATMENT  
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	354C1R1	1.00e+4 ug/g	3.80e+1 lbs/hr	CC
Chlorine	354C1R2	8.70e+3 ug/g	3.30e+1 lbs/hr	CC
Chlorine	354C1R3	8.88e+3 ug/g	3.40e+1 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

Chlorine	354C1R4	8.62e+3	ug/g	3.30e+1	lbs/hr	CC
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7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Antimony	354C1R1	ND	5.00e+0 ug/g	1.90e-2	lbs/hr	CE
Antimony	354C1R2	ND	5.00e+0 ug/g	1.90e-2	lbs/hr	CE
Antimony	354C1R3	ND	5.00e+0 ug/g	1.91e-2	lbs/hr	CE
Antimony	354C1R4	ND	5.00e+0 ug/g	1.91e-2	lbs/hr	CE
Arsenic	354C1R1		8.30e+0 ug/g	3.15e-2	lbs/hr	CE
Arsenic	354C1R2		9.00e+0 ug/g	3.41e-2	lbs/hr	CE
Arsenic	354C1R3		8.80e+0 ug/g	3.37e-2	lbs/hr	CE
Arsenic	354C1R4		9.50e+0 ug/g	3.64e-2	lbs/hr	CE
Barium	354C1R1		2.60e+1 ug/g	9.86e-2	lbs/hr	CE
Barium	354C1R2		2.50e+1 ug/g	9.49e-2	lbs/hr	CE
Barium	354C1R3		2.30e+1 ug/g	8.80e-2	lbs/hr	CE
Barium	354C1R4		2.70e+1 ug/g	1.03e-1	lbs/hr	CE
Cadmium	354C1R1	ND	5.00e+0 ug/g	1.90e-2	lbs/hr	CE
Cadmium	354C1R2		6.70e+0 ug/g	2.54e-2	lbs/hr	CE
Cadmium	354C1R3		5.40e+0 ug/g	2.07e-2	lbs/hr	CE
Cadmium	354C1R4		7.20e+0 ug/g	2.76e-2	lbs/hr	CE
Chromium	354C1R1		1.40e+2 ug/g	5.31e-1	lbs/hr	CE
Chromium	354C1R2		1.70e+2 ug/g	6.45e-1	lbs/hr	CE
Chromium	354C1R3		1.70e+2 ug/g	6.51e-1	lbs/hr	CE
Chromium	354C1R4		1.90e+2 ug/g	7.27e-1	lbs/hr	CE
Lead	354C1R1		3.30e+2 ug/g	1.25e+0	lbs/hr	CE
Lead	354C1R2		3.90e+2 ug/g	1.48e+0	lbs/hr	CE
Lead	354C1R3		3.10e+2 ug/g	1.19e+0	lbs/hr	CE
Lead	354C1R4		4.00e+2 ug/g	1.53e+0	lbs/hr	CE
Mercury	354C1R1		9.30e-1 ug/g	3.53e-3	lbs/hr	CE
Mercury	354C1R2		1.00e+0 ug/g	3.79e-3	lbs/hr	CE
Mercury	354C1R3		9.40e-1 ug/g	3.60e-3	lbs/hr	CE
Mercury	354C1R4		1.10e+0 ug/g	4.21e-3	lbs/hr	CE
Silver	354C1R1	ND	5.00e+0 ug/g	1.90e-2	lbs/hr	CE
Silver	354C1R2	ND	5.00e+0 ug/g	1.90e-2	lbs/hr	CE
Silver	354C1R3	ND	5.00e+0 ug/g	1.91e-2	lbs/hr	CE
Silver	354C1R4	ND	5.00e+0 ug/g	1.91e-2	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	354C1R1	ND	5.00e-3 ug/g	1.90e-5	lbs/hr	CE
Carbon Tetrachloride	354C1R2	ND	5.00e-3 ug/g	1.90e-5	lbs/hr	CE
Carbon Tetrachloride	354C1R3	ND	5.00e-3 ug/g	1.91e-5	lbs/hr	CE
Carbon Tetrachloride	354C1R4	ND	5.00e-3 ug/g	1.91e-5	lbs/hr	CE
Chlorobenzene	354C1R1		2.60e+0 ug/g	9.86e-3	lbs/hr	CE
Chlorobenzene	354C1R2		1.30e+0 ug/g	4.93e-3	lbs/hr	CE
Chlorobenzene	354C1R3		9.50e-1 ug/g	3.64e-3	lbs/hr	CE
Chlorobenzene	354C1R4		4.60e-1 ug/g	1.76e-3	lbs/hr	CE

6. Description: BURNER 2-METHANOL

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	354C3R1		3.73e+3 ug/g	6.00e+0	lbs/hr	CC
Chlorine	354C3R2		3.09e+3 ug/g	5.00e+0	lbs/hr	CC
Chlorine	354C3R3		1.41e+3 ug/g	2.00e+0	lbs/hr	CC
Chlorine	354C3R4		1.52e+3 ug/g	2.00e+0	lbs/hr	CC

6. Description: BURNER 4-METHANOL

Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	354C3R1	3.60e+3 ug/g	6.00e+0 lbs/hr	CC
Chlorine	354C3R2	3.09e+3 ug/g	5.00e+0 lbs/hr	CC
Chlorine	354C3R3	1.92e+3 ug/g	3.00e+0 lbs/hr	CC
Chlorine	354C3R4	1.28e+3 ug/g	2.00e+0 lbs/hr	CC

6. Description: BURNER 5-METHANOL

Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	354C3R1	3.60e+3 ug/g	6.00e+0 lbs/hr	CC
Chlorine	354C3R2	3.09e+3 ug/g	5.00e+0 lbs/hr	CC
Chlorine	354C3R3	1.92e+3 ug/g	3.00e+0 lbs/hr	CC
Chlorine	354C3R4	1.85e+3 ug/g	3.00e+0 lbs/hr	CC

6. Description: INCLUDES FUEL

Group: ROTARY KILN

Location: ALL CHAMBERS

Phase: SLUDGE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	354C1R1	0.00e+0	1.03e-1 lbs/hr	
Antimony	354C1R2	0.00e+0	1.03e-1 lbs/hr	
Antimony	354C1R3	0.00e+0	1.03e-1 lbs/hr	
Antimony	354C1R4	0.00e+0	9.72e-2 lbs/hr	
Arsenic	354C1R1	0.00e+0	8.33e-2 lbs/hr	
Arsenic	354C1R2	0.00e+0	8.62e-2 lbs/hr	
Arsenic	354C1R3	0.00e+0	8.55e-2 lbs/hr	
Arsenic	354C1R4	0.00e+0	8.55e-2 lbs/hr	
Barium	354C1R1	0.00e+0	2.06e-1 lbs/hr	
Barium	354C1R2	0.00e+0	2.02e-1 lbs/hr	
Barium	354C1R3	0.00e+0	1.95e-1 lbs/hr	
Barium	354C1R4	0.00e+0	2.04e-1 lbs/hr	
Cadmium	354C1R1	0.00e+0	1.17e-1 lbs/hr	
Cadmium	354C1R2	0.00e+0	1.30e-1 lbs/hr	
Cadmium	354C1R3	0.00e+0	1.25e-1 lbs/hr	
Cadmium	354C1R4	0.00e+0	1.26e-1 lbs/hr	
Chromium	354C1R1	0.00e+0	6.38e-1 lbs/hr	
Chromium	354C1R2	0.00e+0	7.51e-1 lbs/hr	
Chromium	354C1R3	0.00e+0	7.58e-1 lbs/hr	
Chromium	354C1R4	0.00e+0	8.28e-1 lbs/hr	
Lead	354C1R1	0.00e+0	1.32e+0 lbs/hr	
Lead	354C1R2	0.00e+0	1.59e+0 lbs/hr	
Lead	354C1R3	0.00e+0	1.29e+0 lbs/hr	
Lead	354C1R4	0.00e+0	1.63e+0 lbs/hr	
Mercury	354C1R1	0.00e+0	1.10e-1 lbs/hr	
Mercury	354C1R2	0.00e+0	1.10e-1 lbs/hr	
Mercury	354C1R3	0.00e+0	1.10e-1 lbs/hr	
Mercury	354C1R4	0.00e+0	1.05e-1 lbs/hr	
Silver	354C1R1	0.00e+0	1.07e-1 lbs/hr	
Silver	354C1R2	0.00e+0	1.06e-1 lbs/hr	
Silver	354C1R3	0.00e+0	1.07e-1 lbs/hr	
Silver	354C1R4	0.00e+0	1.00e-1 lbs/hr	

6. Description: WATER NOZZLE SOLN

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	354C2R1	1.40e+1 mg/l	0.00e+0	

SECTION 8: OTHER STREAM 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

Chlorine	354C2R2	1.40e+1	mg/l	0.00e+0		
Chlorine	354C2R3	1.30e+1	mg/l	0.00e+0		
Chlorine	354C2R4	1.30e+1	mg/l	0.00e+0		
Chlorine	354C3R1	2.10e+5	ug/g	6.63e+2	lbs/hr	CE
Chlorine	354C3R2	2.10e+5	ug/g	6.62e+2	lbs/hr	CE
Chlorine	354C3R3	2.10e+5	ug/g	6.72e+2	lbs/hr	CE
Chlorine	354C3R4	2.10e+5	ug/g	6.72e+2	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	354C2R1	4.50e-3	mg/l	0.00e+0	
Carbon Tetrachloride	354C2R2	ND	4.00e-4	mg/l	0.00e+0
Carbon Tetrachloride	354C2R3	ND	4.00e-4	mg/l	0.00e+0
Carbon Tetrachloride	354C2R4	ND	4.00e-4	mg/l	0.00e+0
Carbon Tetrachloride	354C3R1	ND	4.00e-4	mg/l	9.65e-7 lbs/hr
Carbon Tetrachloride	354C3R2	ND	4.00e-4	mg/l	9.55e-7 lbs/hr
Carbon Tetrachloride	354C3R3	ND	4.00e-4	mg/l	9.70e-7 lbs/hr
Carbon Tetrachloride	354C3R4	ND	4.00e-4	mg/l	9.70e-7 lbs/hr
Chlorobenzene	354C2R1	1.20e-2	mg/l	0.00e+0	
Chlorobenzene	354C2R2	4.40e-3	mg/l	0.00e+0	
Chlorobenzene	354C2R3	4.50e-3	mg/l	0.00e+0	
Chlorobenzene	354C2R4	2.10e-3	mg/l	0.00e+0	
Chlorobenzene	354C3R1	2.10e-1	mg/l	5.06e-4 lbs/hr	
Chlorobenzene	354C3R2	8.10e-2	mg/l	1.93e-4 lbs/hr	
Chlorobenzene	354C3R3	1.00e-1	mg/l	2.42e-4 lbs/hr	
Chlorobenzene	354C3R4	2.10e-2	mg/l	5.09e-5 lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DOW CHEMICAL CO.  
 2. STATE: TX  
 3. CITY: FREEPORT EPA TXD008092793 REGION: 6  
 4. EP ID: 600 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/QC/PT/IWS

5. Type: BLOWDOWN

6. Description: SCRUBBER  
 Group: ROTARY KILN Location: VENTURI SCRUBBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	600C1R1	3.13e+4 ppmv	0.00e+0	
Chlorine	600C1R2	2.93e+4 ppmv	0.00e+0	
Chlorine	600C1R3	8.76e+4 ppmv	0.00e+0	
Chlorine	600C2R1	8.28e+4 ppmv	0.00e+0	
Chlorine	600C2R2	1.06e+5 ppmv	0.00e+0	
Chlorine	600C2R3	0.00e+0	1.06e+5 lbs/hr	

6. Description: IWS EFFLUENT  
 Group: ROTARY KILN Location: IONIZING WET SCRUBBE Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	600C1R1	1.01e+4 ppmv	0.00e+0	
Chlorine	600C1R2	5.16e+3 ppmv	0.00e+0	
Chlorine	600C1R3	4.61e+3 ppmv	0.00e+0	
Chlorine	600C2R1	8.87e+3 ppmv	0.00e+0	
Chlorine	600C2R2	1.20e+4 ppmv	0.00e+0	
Chlorine	600C2R3	9.58e+3 ppmv	0.00e+0	

5. Type: WASTE

6. Description: POHC CONTAMINATED HC  
 Group: ROTARY KILN Location: ALL CHAMBERS Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	600C1R1	4.92e+5 ug/g	1.28e+3 lbs/hr	CC
Chlorine	600C1R2	4.98e+5 ug/g	1.36e+3 lbs/hr	CC
Chlorine	600C1R3	4.75e+5 ug/g	1.23e+3 lbs/hr	CC
Chlorine	600C2R1	5.17e+5 ug/g	3.37e+3 lbs/hr	CC
Chlorine	600C2R2	5.14e+5 ug/g	3.33e+3 lbs/hr	CC
Chlorine	600C2R3	5.00e+5 ug/g	3.23e+3 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1-Dichloroethane	600C1R1	1.51e+5 ug/g	3.93e+2 lbs/hr	CC
1,1-Dichloroethane	600C1R2	1.56e+5 ug/g	4.25e+2 lbs/hr	CC
1,1-Dichloroethane	600C1R3	1.49e+5 ug/g	3.87e+2 lbs/hr	CC
1,1-Dichloroethane	600C2R1	1.45e+5 ug/g	9.43e+2 lbs/hr	CC
1,1-Dichloroethane	600C2R2	1.52e+5 ug/g	9.86e+2 lbs/hr	CC
1,1-Dichloroethane	600C2R3	1.54e+5 ug/g	9.93e+2 lbs/hr	CC
Carbon Tetrachloride	600C1R1	4.97e+5 ug/g	1.29e+3 lbs/hr	CC
Carbon Tetrachloride	600C1R2	4.68e+5 ug/g	1.28e+3 lbs/hr	CC
Carbon Tetrachloride	600C1R3	4.58e+5 ug/g	1.19e+3 lbs/hr	CC
Carbon Tetrachloride	600C2R1	4.73e+5 ug/g	3.08e+3 lbs/hr	CC
Carbon Tetrachloride	600C2R2	5.05e+5 ug/g	3.28e+3 lbs/hr	CC
Carbon Tetrachloride	600C2R3	4.88e+5 ug/g	3.15e+3 lbs/hr	CC

6. Description: CONTAINERS-WASTE B  
 Group: ROTARY KILN Location: ALL CHAMBERS Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	600C1R1	6.20e+4 ug/g	1.24e+2 lbs/hr	CC
Chlorine	600C1R2	6.20e+4 ug/g	1.24e+2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

Chlorine	600C1R3	6.20e+4	ug/g	1.24e+2	lbs/hr	CC
Chlorine	600C2R1	6.20e+4	ug/g	2.48e+2	lbs/hr	CC
Chlorine	600C2R2	6.20e+4	ug/g	2.48e+2	lbs/hr	CC
Chlorine	600C2R3	6.20e+4	ug/g	2.48e+2	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	600C1R1	6.75e+4	ug/g	1.35e+2	lbs/hr	CC
Carbon Tetrachloride	600C1R2	6.75e+4	ug/g	1.35e+2	lbs/hr	CC
Carbon Tetrachloride	600C1R3	6.75e+4	ug/g	1.35e+2	lbs/hr	CC
Carbon Tetrachloride	600C2R1	6.75e+4	ug/g	2.70e+2	lbs/hr	CC
Carbon Tetrachloride	600C2R2	6.75e+4	ug/g	2.70e+2	lbs/hr	CC
Carbon Tetrachloride	600C2R3	6.75e+4	ug/g	2.70e+2	lbs/hr	CC

6. Description: POHC CONTAMINATED HC  
 Group: ROTARY KILN

Location: ALL CHAMBERS

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	600C1R1	1.66e+5	ug/g	2.24e+2	lbs/hr	CC
Chlorine	600C1R2	1.71e+5	ug/g	2.46e+2	lbs/hr	CC
Chlorine	600C1R3	1.42e+5	ug/g	1.90e+2	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Trichlorofluoromethane	600C1R1	1.68e+5	ug/g	2.26e+2	lbs/hr	CC
Trichlorofluoromethane	600C1R2	1.76e+5	ug/g	2.53e+2	lbs/hr	CC
Trichlorofluoromethane	600C1R3	2.10e+5	ug/g	2.81e+2	lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

5. Type: BA ASH

6. Description: BURNDOWN  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	700C1R1	1.69e+1	ug/g	0.00e+0	
Antimony	700C1R2	2.00e+1	ug/g	0.00e+0	
Antimony	700C1R3	2.08e+1	ug/g	0.00e+0	
Arsenic	700C1R1	3.95e+0	ug/g	0.00e+0	
Arsenic	700C1R2	2.66e+0	ug/g	0.00e+0	
Arsenic	700C1R3	4 1.22e+0	ug/g	0.00e+0	
Barium	700C1R1	3.29e+3	ug/g	0.00e+0	
Barium	700C1R2	1.02e+3	ug/g	0.00e+0	
Barium	700C1R3	6.06e+2	ug/g	0.00e+0	
Beryllium	700C1R1	6.51e+0	ug/g	0.00e+0	
Beryllium	700C1R2	3.51e+0	ug/g	0.00e+0	
Beryllium	700C1R3	1.84e+0	ug/g	0.00e+0	
Cadmium	700C1R1	2.31e+0	ug/g	0.00e+0	
Cadmium	700C1R2	2.10e+0	ug/g	0.00e+0	
Cadmium	700C1R3	2.85e+0	ug/g	0.00e+0	
Chromium	700C1R1	3.69e+1	ug/g	0.00e+0	
Chromium	700C1R2	2.71e+1	ug/g	0.00e+0	
Chromium	700C1R3	3.37e+1	ug/g	0.00e+0	
Lead	700C1R1	5.52e+3	ug/g	0.00e+0	
Lead	700C1R2	2.96e+4	ug/g	0.00e+0	
Lead	700C1R3	6.72e+4	ug/g	0.00e+0	
Mercury	700C1R1	ND 1.60e-1	ug/g	0.00e+0	
Mercury	700C1R2	ND 1.61e-1	ug/g	0.00e+0	
Mercury	700C1R3	ND 1.61e-1	ug/g	0.00e+0	
Nickel	700C1R1	1.40e+2	ug/g	0.00e+0	
Nickel	700C1R2	3.41e+2	ug/g	0.00e+0	
Nickel	700C1R3	2.13e+2	ug/g	0.00e+0	
Silver	700C1R1	4.61e+0	ug/g	0.00e+0	
Silver	700C1R2	6.55e+0	ug/g	0.00e+0	
Silver	700C1R3	7.09e+0	ug/g	0.00e+0	
Thallium	700C1R1	4.44e+1	ug/g	0.00e+0	
Thallium	700C1R2	8.15e+1	ug/g	0.00e+0	
Thallium	700C1R3	7.00e+1	ug/g	0.00e+0	

5. Type: BLOWDOWN

6. Description: RESIDUAL  
 Group: FIXED HEARTH Location: SPRAY DRYER Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	700C1R1	1.46e+1	ug/g	0.00e+0	
Antimony	700C1R2	1.39e+1	ug/g	0.00e+0	
Antimony	700C1R3	1.15e+1	ug/g	0.00e+0	
Arsenic	700C1R1	1.21e+1	ug/g	0.00e+0	
Arsenic	700C1R2	1.05e+1	ug/g	0.00e+0	
Arsenic	700C1R3	1.21e+1	ug/g	0.00e+0	
Barium	700C1R1	1.53e+1	ug/g	0.00e+0	
Barium	700C1R2	1.02e+1	ug/g	0.00e+0	
Barium	700C1R3	1.15e+1	ug/g	0.00e+0	
Beryllium	700C1R1	5.54e+0	ug/g	0.00e+0	
Beryllium	700C1R2	5.66e+0	ug/g	0.00e+0	
Beryllium	700C1R3	6.18e+0	ug/g	0.00e+0	
Cadmium	700C1R1	2.04e+1	ug/g	0.00e+0	
Cadmium	700C1R2	1.93e+1	ug/g	0.00e+0	
Cadmium	700C1R3	1.93e+1	ug/g	0.00e+0	
Chromium	700C1R1	2.06e+2	ug/g	0.00e+0	
Chromium	700C1R2	2.10e+2	ug/g	0.00e+0	



SECTION 8: OTHER STREAM ANALYSES

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

Chromium	700C1R3	2.02e+2	ug/g	0.00e+0	
Lead	700C1R1	1.94e+3	ug/g	0.00e+0	
Lead	700C1R2	2.23e+3	ug/g	0.00e+0	
Lead	700C1R3	2.41e+3	ug/g	0.00e+0	
Mercury	700C1R1	6.25e-1	ug/g	0.00e+0	
Mercury	700C1R2	3.28e-1	ug/g	0.00e+0	
Mercury	700C1R3	ND 1.61e-1	ug/g	0.00e+0	
Nickel	700C1R1	1.06e+2	ug/g	0.00e+0	
Nickel	700C1R2	1.02e+2	ug/g	0.00e+0	
Nickel	700C1R3	9.30e+1	ug/g	0.00e+0	
Silver	700C1R1	2.19e+0	ug/g	0.00e+0	
Silver	700C1R2	2.13e+0	ug/g	0.00e+0	
Silver	700C1R3	2.10e+0	ug/g	0.00e+0	
Thallium	700C1R1	ND 1.04e+1	ug/g	0.00e+0	
Thallium	700C1R2	1.07e+1	ug/g	0.00e+0	
Thallium	700C1R3	ND 1.04e+1	ug/g	0.00e+0	

5. Type: FUEL

6. Description: FUEL OIL  
 Group: FIXED HEARTH  
 Location: SECONDARY CHAMBER  
 Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	700C1R1	4.70e+2 ug/g	2.20e-1 lbs/hr	CE
Chlorine	700C1R2	4.61e+2 ug/g	1.77e-1 lbs/hr	CE
Chlorine	700C1R3	4.29e+2 ug/g	1.44e-1 lbs/hr	CE
Chlorine	700C2R1	4.90e+2 ug/g	1.68e-1 lbs/hr	CE
Chlorine	700C2R2	5.23e+2 ug/g	1.76e-1 lbs/hr	CE
Chlorine	700C2R3	1.60e+1 ug/g	5.38e-3 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	700C1R1	ND 4.20e+0 ug/g	1.97e-3 lbs/hr	CE
Antimony	700C1R2	ND 4.20e+0 ug/g	1.61e-3 lbs/hr	CE
Antimony	700C1R3	ND 4.24e+0 ug/g	1.42e-3 lbs/hr	CE
Arsenic	700C1R1	ND 7.50e-2 ug/g	3.51e-5 lbs/hr	CE
Arsenic	700C1R2	ND 7.50e-2 ug/g	2.88e-5 lbs/hr	CE
Arsenic	700C1R3	ND 7.60e-2 ug/g	2.55e-5 lbs/hr	CE
Barium	700C1R1	ND 2.82e-1 ug/g	1.32e-4 lbs/hr	CE
Barium	700C1R2	ND 2.82e-1 ug/g	1.08e-4 lbs/hr	CE
Barium	700C1R3	ND 2.85e-1 ug/g	9.58e-5 lbs/hr	CE
Beryllium	700C1R1	0.00e+0 ug/g	0.00e+0 lbs/hr	
Beryllium	700C1R2	ND 7.10e-2 ug/g	2.73e-5 lbs/hr	CE
Beryllium	700C1R3	ND 7.20e-2 ug/g	2.42e-5 lbs/hr	CE
Cadmium	700C1R1	ND 7.10e-2 ug/g	3.32e-5 lbs/hr	CE
Cadmium	700C1R2	4.98e-1 ug/g	1.91e-4 lbs/hr	CE
Cadmium	700C1R3	5.47e-1 ug/g	1.84e-4 lbs/hr	CE
Chromium	700C1R1	4.95e-1 ug/g	2.32e-4 lbs/hr	CE
Chromium	700C1R2	ND 4.95e-1 ug/g	1.90e-4 lbs/hr	CE
Chromium	700C1R3	ND 5.00e-1 ug/g	1.68e-4 lbs/hr	CE
Lead	700C1R1	1.15e-1 ug/g	5.38e-5 lbs/hr	CE
Lead	700C1R2	1.15e-1 ug/g	4.42e-5 lbs/hr	CE
Lead	700C1R3	1.76e-1 ug/g	5.91e-5 lbs/hr	CE
Mercury	700C1R1	ND 2.28e-1 ug/g	1.07e-4 lbs/hr	CE
Mercury	700C1R2	ND 2.28e-1 ug/g	8.76e-5 lbs/hr	CE
Mercury	700C1R3	ND 2.31e-1 ug/g	7.76e-5 lbs/hr	CE
Nickel	700C1R1	ND 1.54e+0 ug/g	7.21e-4 lbs/hr	CE
Nickel	700C1R2	ND 1.54e+0 ug/g	5.91e-4 lbs/hr	CE
Nickel	700C1R3	ND 1.56e+0 ug/g	5.24e-4 lbs/hr	CE
Silver	700C1R1	ND 6.73e-1 ug/g	3.15e-4 lbs/hr	CE
Silver	700C1R2	ND 6.53e-1 ug/g	2.51e-4 lbs/hr	CE
Silver	700C1R3	ND 6.80e-1 ug/g	2.28e-4 lbs/hr	CE
Thallium	700C1R1	ND 1.04e+1 ug/g	4.87e-3 lbs/hr	CE

SECTION 8: OTHER STREAM 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

Thallium	700C1R2	ND	1.04e+1	ug/g	3.99e-3	lbs/hr	CE
Thallium	700C1R3		1.05e+1	ug/g	3.53e-3	lbs/hr	CE

5. Type: SPIKE

6. Description: METALS 1 (AS,BE,CD,CR6,PB)  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Antimony	700C1R1		2.51e+1	ug/g	3.22e-4	lbs/hr	CE
Antimony	700C1R2		2.68e+1	ug/g	3.32e-4	lbs/hr	CE
Antimony	700C1R3		2.41e+1	ug/g	3.10e-4	lbs/hr	CE
Arsenic	700C1R1		3.15e+3	ug/g	4.05e-2	lbs/hr	CE
Arsenic	700C1R2		3.09e+3	ug/g	3.82e-2	lbs/hr	CE
Arsenic	700C1R3		3.13e+3	ug/g	4.03e-2	lbs/hr	CE
Barium	700C1R1	ND	2.83e-1	ug/g	3.64e-6	lbs/hr	CE
Barium	700C1R2	ND	2.73e-1	ug/g	3.38e-6	lbs/hr	CE
Barium	700C1R3	ND	2.82e-1	ug/g	3.63e-6	lbs/hr	CE
Beryllium	700C1R1		1.91e+3	ug/g	2.45e-2	lbs/hr	CE
Beryllium	700C1R2		1.77e+3	ug/g	2.19e-2	lbs/hr	CE
Beryllium	700C1R3		1.95e+3	ug/g	2.51e-2	lbs/hr	CE
Cadmium	700C1R1		2.50e+3	ug/g	3.21e-2	lbs/hr	CE
Cadmium	700C1R2		2.45e+3	ug/g	3.04e-2	lbs/hr	CE
Cadmium	700C1R3		2.48e+3	ug/g	3.19e-2	lbs/hr	CE
Chromium	700C1R1		1.36e+4	ug/g	1.75e-1	lbs/hr	CE
Chromium	700C1R2		1.34e+4	ug/g	1.66e-1	lbs/hr	CE
Chromium	700C1R3		1.35e+4	ug/g	1.74e-1	lbs/hr	CE
Lead	700C1R1		3.95e+0	ug/g	5.07e-5	lbs/hr	CE
Lead	700C1R2		3.91e+0	ug/g	4.84e-5	lbs/hr	CE
Lead	700C1R3		3.86e+0	ug/g	4.97e-5	lbs/hr	CE
Mercury	700C1R1	ND	2.29e-1	ug/g	2.94e-6	lbs/hr	CE
Mercury	700C1R2	ND	2.21e-1	ug/g	2.74e-6	lbs/hr	CE
Mercury	700C1R3	ND	2.29e-1	ug/g	2.95e-6	lbs/hr	CE
Nickel	700C1R1		1.89e+0	ug/g	2.43e-5	lbs/hr	CE
Nickel	700C1R2		1.92e+0	ug/g	2.38e-5	lbs/hr	CE
Nickel	700C1R3		2.16e+0	ug/g	2.78e-5	lbs/hr	CE
Silver	700C1R1	ND	6.75e-1	ug/g	8.67e-6	lbs/hr	CE
Silver	700C1R2	ND	6.53e-1	ug/g	8.09e-6	lbs/hr	CE
Silver	700C1R3		7.26e-1	ug/g	9.34e-6	lbs/hr	CE
Thallium	700C1R1		2.08e+1	ug/g	2.67e-4	lbs/hr	CE
Thallium	700C1R2		2.33e+1	ug/g	2.89e-4	lbs/hr	CE
Thallium	700C1R3		2.07e+1	ug/g	2.66e-4	lbs/hr	CE

6. Description: METALS 2 (AS,BE,CD,CR6,PB)  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Antimony	700C1R1	ND	4.17e+0	ug/g	5.35e-5	lbs/hr	CE
Antimony	700C1R2		5.03e+0	ug/g	6.29e-5	lbs/hr	CE
Antimony	700C1R3	ND	4.18e+0	ug/g	5.78e-5	lbs/hr	CE
Arsenic	700C1R1		6.58e+1	ug/g	8.44e-4	lbs/hr	CE
Arsenic	700C1R2		6.55e+1	ug/g	8.19e-4	lbs/hr	CE
Arsenic	700C1R3		6.45e+1	ug/g	8.92e-4	lbs/hr	CE
Barium	700C1R1	ND	2.80e-2	ug/g	3.59e-7	lbs/hr	CE
Barium	700C1R2	ND	2.80e-1	ug/g	3.50e-6	lbs/hr	CE
Barium	700C1R3	ND	2.81e-1	ug/g	3.88e-6	lbs/hr	CE
Beryllium	700C1R1		3.03e-1	ug/g	3.88e-6	lbs/hr	CE
Beryllium	700C1R2		2.63e-1	ug/g	3.29e-6	lbs/hr	CE
Beryllium	700C1R3		2.14e-1	ug/g	2.96e-6	lbs/hr	CE
Cadmium	700C1R1		1.27e+0	ug/g	1.63e-5	lbs/hr	CE
Cadmium	700C1R2		9.84e-1	ug/g	1.23e-5	lbs/hr	CE
Cadmium	700C1R3		9.43e-1	ug/g	1.30e-5	lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DUPONT  
 2. STATE: DE  
 3. CITY: WILMINGTON  
 4. EP ID: 700 DEVICE NAME: INCINERATOR

EPA ID: DED003930807 REGION: 3  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: SD/RJS/VS/WS

Chromium	700C1R1	3.54e+0	ug/g	4.54e-5	lbs/hr	CE
Chromium	700C1R2	1.76e+0	ug/g	2.20e-5	lbs/hr	CE
Chromium	700C1R3	1.90e+0	ug/g	2.63e-5	lbs/hr	CE
Lead	700C1R1	3.98e+4	ug/g	5.10e-1	lbs/hr	CE
Lead	700C1R2	4.06e+4	ug/g	5.08e-1	lbs/hr	CE
Lead	700C1R3	3.92e+4	ug/g	5.42e-1	lbs/hr	CE
Mercury	700C1R1	ND 2.27e-1	ug/g	2.91e-6	lbs/hr	CE
Mercury	700C1R2	ND 2.26e-1	ug/g	2.83e-6	lbs/hr	CE
Mercury	700C1R3	ND 2.28e-1	ug/g	3.15e-6	lbs/hr	CE
Nickel	700C1R1	ND 1.53e+0	ug/g	1.96e-5	lbs/hr	CE
Nickel	700C1R2	ND 1.53e+0	ug/g	1.91e-5	lbs/hr	CE
Nickel	700C1R3	ND 1.54e+0	ug/g	2.13e-5	lbs/hr	CE
Silver	700C1R1	ND 6.68e-1	ug/g	8.56e-6	lbs/hr	CE
Silver	700C1R2	ND 6.68e-1	ug/g	8.36e-6	lbs/hr	CE
Silver	700C1R3	ND 6.71e-1	ug/g	9.28e-6	lbs/hr	CE
Thallium	700C1R1	4.81e+1	ug/g	6.17e-4	lbs/hr	CE
Thallium	700C1R2	4.98e+1	ug/g	6.23e-4	lbs/hr	CE
Thallium	700C1R3	4.97e+1	ug/g	6.87e-4	lbs/hr	CE

6. Description: ORGANICS (CARBON TETRACHLORIDE)  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	700C2R1	9.22e+5 ug/g	4.67e+1 lbs/hr	CE
Chlorine	700C2R2	9.22e+5 ug/g	4.81e+1 lbs/hr	CE
Chlorine	700C2R3	9.22e+5 ug/g	4.83e+1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	700C2R1	1.00e+6 ug/g	5.07e+1 lbs/hr	CE
Carbon Tetrachloride	700C2R2	1.00e+6 ug/g	5.21e+1 lbs/hr	CE
Carbon Tetrachloride	700C2R3	1.00e+6 ug/g	5.24e+1 lbs/hr	CE

6. Description: ORGANICS (MONOCHLOROBENZENE)  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	700C2R1	3.16e+5 ug/g	1.59e+1 lbs/hr	CE
Chlorine	700C2R2	3.16e+5 ug/g	1.64e+1 lbs/hr	CE
Chlorine	700C2R3	3.16e+5 ug/g	1.66e+1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorobenzene	700C2R1	1.00e+6 ug/g	5.03e+1 lbs/hr	CE
Chlorobenzene	700C2R2	1.00e+6 ug/g	5.18e+1 lbs/hr	CE
Chlorobenzene	700C2R3	1.00e+6 ug/g	5.26e+1 lbs/hr	CE

5. Type: WASTE

6. Description: FUEL OIL & CCL4  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	700C1R1	1.31e+5 ug/g	1.20e+2 lbs/hr	CE
Chlorine	700C1R2	1.16e+5 ug/g	1.08e+2 lbs/hr	CE
Chlorine	700C1R3	1.28e+5 ug/g	1.19e+2 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

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

Chlorine	700C2R1	7.82e+2	ug/g	5.63e-1	lbs/hr	CE
Chlorine	700C2R2	4.84e+2	ug/g	3.48e-1	lbs/hr	CE
Chlorine	700C2R3	4.02e+2	ug/g	2.89e-1	lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc	
Antimony	700C1R1	ND	4.20e+0	ug/g	3.86e-3	lbs/hr	CE
Antimony	700C1R2	ND	4.18e+0	ug/g	3.89e-3	lbs/hr	CE
Antimony	700C1R3	ND	4.21e+0	ug/g	3.92e-3	lbs/hr	CE
Arsenic	700C1R1	ND	7.50e-2	ug/g	6.89e-5	lbs/hr	CE
Arsenic	700C1R2	ND	7.50e-2	ug/g	6.98e-5	lbs/hr	CE
Arsenic	700C1R3	ND	7.60e-2	ug/g	7.07e-5	lbs/hr	CE
Barium	700C1R1	ND	2.82e-1	ug/g	2.59e-4	lbs/hr	CE
Barium	700C1R2	ND	2.80e-1	ug/g	2.60e-4	lbs/hr	CE
Barium	700C1R3	ND	2.83e-1	ug/g	2.63e-4	lbs/hr	CE
Beryllium	700C1R1		2.27e-1	ug/g	2.08e-4	lbs/hr	CE
Beryllium	700C1R2	ND	7.10e-2	ug/g	6.60e-5	lbs/hr	CE
Beryllium	700C1R3	ND	7.10e-2	ug/g	6.60e-5	lbs/hr	CE
Cadmium	700C1R1		4.67e-1	ug/g	4.29e-4	lbs/hr	CE
Cadmium	700C1R2		3.76e-1	ug/g	3.50e-4	lbs/hr	CE
Cadmium	700C1R3		4.25e-1	ug/g	3.95e-4	lbs/hr	CE
Chromium	700C1R1	ND	4.96e-1	ug/g	4.55e-4	lbs/hr	CE
Chromium	700C1R2	ND	4.93e-1	ug/g	4.58e-4	lbs/hr	CE
Chromium	700C1R3	ND	4.97e-1	ug/g	4.62e-4	lbs/hr	CE
Lead	700C1R1		9.00e-2	ug/g	8.26e-5	lbs/hr	CE
Lead	700C1R2		2.43e-1	ug/g	2.26e-4	lbs/hr	CE
Lead	700C1R3	ND	7.00e-2	ug/g	6.51e-5	lbs/hr	CE
Mercury	700C1R1	ND	2.29e-1	ug/g	2.10e-4	lbs/hr	CE
Mercury	700C1R2	ND	2.28e-1	ug/g	2.12e-4	lbs/hr	CE
Mercury	700C1R3	ND	2.27e-1	ug/g	2.11e-4	lbs/hr	CE
Nickel	700C1R1	ND	1.55e+0	ug/g	1.42e-3	lbs/hr	CE
Nickel	700C1R2	ND	1.54e+0	ug/g	1.43e-3	lbs/hr	CE
Nickel	700C1R3	ND	1.55e+0	ug/g	1.44e-3	lbs/hr	CE
Silver	700C1R1	ND	6.74e-1	ug/g	6.19e-4	lbs/hr	CE
Silver	700C1R2	ND	6.67e+0	ug/g	6.20e-3	lbs/hr	CE
Silver	700C1R3	ND	6.75e-1	ug/g	6.28e-4	lbs/hr	CE
Thallium	700C1R1	ND	1.04e+1	ug/g	9.55e-3	lbs/hr	CE
Thallium	700C1R2	ND	1.03e+1	ug/g	9.58e-3	lbs/hr	CE
Thallium	700C1R3		1.04e+1	ug/g	9.67e-3	lbs/hr	CE

6. Description: JUG WASTE B  
 Group: FIXED HEARTH  
 Location: PRIMARY CHAMBER  
 Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc	
Chlorine	700C1R1		2.55e+5	ug/g	2.56e+0	lbs/hr	CE
Chlorine	700C1R2		2.55e+5	ug/g	2.94e+0	lbs/hr	CE
Chlorine	700C1R3		2.55e+5	ug/g	2.56e+0	lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc	
Antimony	700C1R1		5.14e+1	ug/g	5.15e-4	lbs/hr	CE
Antimony	700C1R2		5.20e+1	ug/g	5.99e-4	lbs/hr	CE
Antimony	700C1R3		5.28e+1	ug/g	5.29e-4	lbs/hr	CE
Arsenic	700C1R1		9.85e+2	ug/g	9.87e-3	lbs/hr	CE
Arsenic	700C1R2		9.98e+2	ug/g	1.15e-2	lbs/hr	CE
Arsenic	700C1R3		1.03e+3	ug/g	1.03e-2	lbs/hr	CE
Barium	700C1R1	ND	2.80e-1	ug/g	2.81e-6	lbs/hr	CE
Barium	700C1R2	ND	2.84e-1	ug/g	3.27e-6	lbs/hr	CE
Barium	700C1R3	ND	2.81e-1	ug/g	2.82e-6	lbs/hr	CE
Beryllium	700C1R1		2.48e-1	ug/g	2.48e-6	lbs/hr	CE
Beryllium	700C1R2	ND	7.20e-2	ug/g	8.29e-7	lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

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

Beryllium	700C1R3	ND	7.10e-2	ug/g	7.11e-7	lbs/hr	CE
Cadmium	700C1R1		2.01e+0	ug/g	2.01e-5	lbs/hr	CE
Cadmium	700C1R2		2.04e+0	ug/g	2.35e-5	lbs/hr	CE
Cadmium	700C1R3		1.96e+0	ug/g	1.96e-5	lbs/hr	CE
Chromium	700C1R1		3.72e+0	ug/g	3.73e-5	lbs/hr	CE
Chromium	700C1R2		4.20e+0	ug/g	4.84e-5	lbs/hr	CE
Chromium	700C1R3		3.51e+0	ug/g	3.52e-5	lbs/hr	CE
Lead	700C1R1		6.94e+5	ug/g	6.95e+0	lbs/hr	CE
Lead	700C1R2		7.35e+5	ug/g	8.47e+0	lbs/hr	CE
Lead	700C1R3		7.59e+5	ug/g	7.61e+0	lbs/hr	CE
Mercury	700C1R1		2.72e-1	ug/g	2.73e-6	lbs/hr	CE
Mercury	700C1R2	ND	1.61e-1	ug/g	1.85e-6	lbs/hr	CE
Mercury	700C1R3	ND	1.59e-1	ug/g	1.59e-6	lbs/hr	CE
Nickel	700C1R1		5.45e+0	ug/g	5.46e-5	lbs/hr	CE
Nickel	700C1R2		5.76e+0	ug/g	6.64e-5	lbs/hr	CE
Nickel	700C1R3		5.41e+0	ug/g	5.42e-5	lbs/hr	CE
Silver	700C1R1		9.07e-1	ug/g	9.09e-6	lbs/hr	CE
Silver	700C1R2		1.01e+0	ug/g	1.16e-5	lbs/hr	CE
Silver	700C1R3	ND	6.71e-1	ug/g	6.72e-6	lbs/hr	CE
Thallium	700C1R1		7.59e+2	ug/g	7.61e-3	lbs/hr	CE
Thallium	700C1R2		7.62e+2	ug/g	8.78e-3	lbs/hr	CE
Thallium	700C1R3		7.89e+2	ug/g	7.91e-3	lbs/hr	CE

6. Description: JUG WASTE A  
 Group: FIXED HEARTH  
 Location: PRIMARY CHAMBER  
 Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	700C1R1	ND	1.20e+1 ug/g	7.27e-3 lbs/hr	CE
Chlorine	700C1R2	ND	1.20e+1 ug/g	7.70e-3 lbs/hr	CE
Chlorine	700C1R3	ND	1.20e+1 ug/g	6.90e-3 lbs/hr	CE
Chlorine	700C2R1	ND	1.20e+1 ug/g	1.38e-3 lbs/hr	CE
Chlorine	700C2R2		3.10e+1 ug/g	2.32e-3 lbs/hr	CE
Chlorine	700C2R3	ND	1.20e+1 ug/g	7.78e-4 lbs/hr	CE

6. Description: WOOD CHIPS  
 Group: FIXED HEARTH  
 Location: PRIMARY CHAMBER  
 Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	700C2R1		2.60e+1 ug/g	3.57e-2 lbs/hr	CE
Chlorine	700C2R2		2.60e+1 ug/g	3.76e-2 lbs/hr	CE
Chlorine	700C2R3		2.60e+1 ug/g	3.74e-2 lbs/hr	CE

6. Description: NEWSPAPER  
 Group: FIXED HEARTH  
 Location: PRIMARY CHAMBER  
 Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	700C1R1		6.20e+1 ug/g	1.86e-2 lbs/hr	CE
Chlorine	700C1R2		5.60e+1 ug/g	6.28e-3 lbs/hr	CE
Chlorine	700C1R3		8.20e+1 ug/g	1.23e-2 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	700C1R1	ND	4.18e+0 ug/g	1.25e-3 lbs/hr	CE
Antimony	700C1R2	ND	4.19e+0 ug/g	4.70e-4 lbs/hr	CE
Antimony	700C1R3	ND	4.18e+0 ug/g	6.27e-4 lbs/hr	CE
Arsenic	700C1R1		1.85e-1 ug/g	5.55e-5 lbs/hr	CE
Arsenic	700C1R2	ND	1.20e-1 ug/g	1.35e-5 lbs/hr	CE
Arsenic	700C1R3	ND	1.20e-1 ug/g	1.80e-5 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DUPONT  
 2. STATE: DE  
 3. CITY: WILMINGTON  
 4. EP ID: 700 DEVICE NAME: INCINERATOR

EPA ID: DED003930807  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 3  
 APC SYSTEM: SD/RJS/VS/WS

Barium	700C1R1	1.95e+1	ug/g	5.85e-3	lbs/hr	CE	
Barium	700C1R2	9.41e+0	ug/g	1.06e-3	lbs/hr	CE	
Barium	700C1R3	2.38e+1	ug/g	3.57e-3	lbs/hr	CE	
Beryllium	700C1R1	ND	7.10e-2	ug/g	2.13e-5	lbs/hr	CE
Beryllium	700C1R2	2.41e-1	ug/g	2.70e-5	lbs/hr	CE	
Beryllium	700C1R3	ND	7.10e-2	ug/g	1.06e-5	lbs/hr	CE
Cadmium	700C1R1	4.82e-1	ug/g	1.45e-4	lbs/hr	CE	
Cadmium	700C1R2	4.14e+2	ug/g	4.65e-2	lbs/hr	CE	
Cadmium	700C1R3	6.04e-1	ug/g	9.06e-5	lbs/hr	CE	
Chromium	700C1R1	8.12e-1	ug/g	2.44e-4	lbs/hr	CE	
Chromium	700C1R2	1.18e+0	ug/g	1.32e-4	lbs/hr	CE	
Chromium	700C1R3	1.61e+0	ug/g	2.41e-4	lbs/hr	CE	
Lead	700C1R1	3.26e+0	ug/g	9.78e-4	lbs/hr	CE	
Lead	700C1R2	2.12e+0	ug/g	2.38e-4	lbs/hr	CE	
Lead	700C1R3	9.56e-1	ug/g	1.43e-4	lbs/hr	CE	
Mercury	700C1R1	ND	2.28e-1	ug/g	6.84e-5	lbs/hr	CE
Mercury	700C1R2	ND	2.28e-1	ug/g	2.56e-5	lbs/hr	CE
Mercury	700C1R3	ND	2.28e-1	ug/g	3.42e-5	lbs/hr	CE
Nickel	700C1R1	ND	1.54e+0	ug/g	4.62e-4	lbs/hr	CE
Nickel	700C1R2	1.74e+0	ug/g	1.95e-4	lbs/hr	CE	
Nickel	700C1R3	1.66e+0	ug/g	2.49e-4	lbs/hr	CE	
Silver	700C1R1	ND	6.71e-1	ug/g	2.01e-4	lbs/hr	CE
Silver	700C1R2	ND	6.71e-1	ug/g	7.53e-5	lbs/hr	CE
Silver	700C1R3	ND	6.71e-1	ug/g	1.01e-4	lbs/hr	CE
Thallium	700C1R1	ND	1.03e+1	ug/g	3.09e-3	lbs/hr	CE
Thallium	700C1R2	ND	1.03e+1	ug/g	1.16e-3	lbs/hr	CE
Thallium	700C1R3	1.03e+1	ug/g	1.54e-3	lbs/hr	CE	

6. Description: BONDED CELLUL. PAPER  
 Group: FIXED HEARTH Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	700C2R1	1.04e+3 ug/g	1.37e-2 lbs/hr	CE
Chlorine	700C2R2	1.04e+3 ug/g	1.37e-2 lbs/hr	CE
Chlorine	700C2R3	1.04e+3 ug/g	1.37e-2 lbs/hr	CE

SECTION 8: OTHER STREAM 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: WASTE

6. Description:  
 Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	356C1R1	4.84e+5 ug/g	9.41e+2 lbs/hr	CE
Chlorine	356C1R2	4.86e+5 ug/g	9.56e+2 lbs/hr	CE
Chlorine	356C1R3	4.75e+5 ug/g	9.57e+2 lbs/hr	CE

SECTION 8: OTHER STREAM 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

5. Type: WASTE

6. Description: KILN BURNER  
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	4.52e+5 ug/g	3.99e+2 lbs/hr	CE
Chlorine	710C1R2	4.16e+5 ug/g	3.81e+2 lbs/hr	CE
Chlorine	710C1R3	4.36e+5 ug/g	3.88e+2 lbs/hr	CE
Chlorine	710C2R1	4.43e+5 ug/g	2.22e+0 lbs/hr	CE
Chlorine	710C2R2	4.36e+5 ug/g	1.75e+0 lbs/hr	CE
Chlorine	710C2R3	4.39e+5 ug/g	2.63e+0 lbs/hr	CE
Chlorine	710C3R1	8.04e+4 ug/g	3.44e+1 lbs/hr	CE
Chlorine	710C3R2	9.30e+4 ug/g	3.95e+1 lbs/hr	CE
Chlorine	710C3R3	6.17e+4 ug/g	2.62e+1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	710C3R1	4.21e+4 ug/g	1.80e+1 lbs/hr	CE
Carbon Tetrachloride	710C3R2	5.57e+4 ug/g	2.37e+1 lbs/hr	CE
Carbon Tetrachloride	710C3R3	1.03e+5 ug/g	4.38e+1 lbs/hr	CE
Chlorobenzene	710C3R1	1.96e+4 ug/g	8.39e+0 lbs/hr	CE
Chlorobenzene	710C3R2	2.12e+4 ug/g	9.01e+0 lbs/hr	CE
Chlorobenzene	710C3R3	3.36e+4 ug/g	1.42e+1 lbs/hr	CE
Toluene	710C3R1	3.40e+4 ug/g	1.46e+1 lbs/hr	CE
Toluene	710C3R2	3.82e+4 ug/g	1.62e+1 lbs/hr	CE
Toluene	710C3R3	4.66e+4 ug/g	1.98e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R1	1.06e+4 ug/g	4.54e+0 lbs/hr	CE
Trichlorofluoroethane	710C3R2	2.36e+4 ug/g	1.00e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R3	2.96e+4 ug/g	1.26e+1 lbs/hr	CE

6. Description: BASELOAD BURNER  
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	4.52e+5 ug/g	5.56e+2 lbs/hr	CE
Chlorine	710C1R2	4.16e+5 ug/g	5.08e+2 lbs/hr	CE
Chlorine	710C1R3	4.36e+5 ug/g	5.25e+2 lbs/hr	CE
Chlorine	710C2R1	4.43e+5 ug/g	5.17e+2 lbs/hr	CE
Chlorine	710C2R2	4.36e+5 ug/g	4.80e+2 lbs/hr	CE
Chlorine	710C2R3	4.39e+5 ug/g	5.27e+2 lbs/hr	CE
Chlorine	710C3R1	4.38e+5 ug/g	4.03e+2 lbs/hr	CE
Chlorine	710C3R2	4.46e+5 ug/g	4.07e+2 lbs/hr	CE
Chlorine	710C3R3	4.40e+5 ug/g	4.10e+2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	710C3R1	1.23e+5 ug/g	1.13e+2 lbs/hr	CE
Carbon Tetrachloride	710C3R2	1.34e+5 ug/g	1.22e+2 lbs/hr	CE
Carbon Tetrachloride	710C3R3	1.29e+5 ug/g	1.20e+2 lbs/hr	CE
Chlorobenzene	710C3R1	4.70e+4 ug/g	4.33e+1 lbs/hr	CE
Chlorobenzene	710C3R2	5.07e+4 ug/g	4.63e+1 lbs/hr	CE
Chlorobenzene	710C3R3	5.03e+4 ug/g	4.69e+1 lbs/hr	CE
Toluene	710C3R1	8.67e+4 ug/g	7.99e+1 lbs/hr	CE
Toluene	710C3R2	9.24e+4 ug/g	8.44e+1 lbs/hr	CE
Toluene	710C3R3	9.21e+4 ug/g	8.58e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R1	3.05e+4 ug/g	2.81e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R2	3.52e+4 ug/g	3.21e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R3	3.23e+4 ug/g	3.01e+1 lbs/hr	CE



SECTION 8: OTHER STREAM 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

6. Description: SPIKED ORGANICS (MCB)  
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	5.60e+4 ug/g	5.20e+1 lbs/hr	CC
Chlorine	710C1R2	7.29e+4 ug/g	6.82e+1 lbs/hr	CC
Chlorine	710C1R3	7.50e+4 ug/g	7.01e+1 lbs/hr	CC
Chlorine	710C2R1	3.42e+4 ug/g	1.24e+2 lbs/hr	CC
Chlorine	710C2R2	3.33e+4 ug/g	1.20e+2 lbs/hr	CC
Chlorine	710C2R3	3.44e+4 ug/g	1.24e+2 lbs/hr	CC
Chlorine	710C3R1	7.71e+4 ug/g	5.52e+1 lbs/hr	CC
Chlorine	710C3R2	7.36e+4 ug/g	5.27e+1 lbs/hr	CC
Chlorine	710C3R3	7.57e+4 ug/g	5.41e+1 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Mercury	710C1R1	6.30e-1 ug/g	5.85e-4 lbs/hr	CE
Mercury	710C2R1	1.17e+0 ug/g	4.22e-3 lbs/hr	CE
Mercury	710C3R1	7.80e-1 ug/g	5.58e-4 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorobenzene	710C1R1	8.62e+4 ug/g	8.00e+1 lbs/hr	CC
Chlorobenzene	710C1R2	8.23e+4 ug/g	7.70e+1 lbs/hr	CC
Chlorobenzene	710C1R3	8.24e+4 ug/g	7.70e+1 lbs/hr	CC
Chlorobenzene	710C2R1	6.59e+4 ug/g	2.38e+2 lbs/hr	CC
Chlorobenzene	710C2R2	6.51e+4 ug/g	2.35e+2 lbs/hr	CC
Chlorobenzene	710C2R3	6.54e+4 ug/g	2.36e+2 lbs/hr	CC
Chlorobenzene	710C3R1	8.05e+4 ug/g	5.76e+1 lbs/hr	CC
Chlorobenzene	710C3R2	8.13e+4 ug/g	5.82e+1 lbs/hr	CC
Chlorobenzene	710C3R3	7.98e+4 ug/g	5.71e+1 lbs/hr	CC

6. Description:  
 Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	4.52e+5 ug/g	5.96e+2 lbs/hr	CE
Chlorine	710C1R2	4.16e+5 ug/g	5.41e+2 lbs/hr	CE
Chlorine	710C1R3	4.36e+5 ug/g	5.80e+2 lbs/hr	CE

6. Description: AQUEOUS (BRINE)  
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	9.31e+4 ug/g	5.41e+1 lbs/hr	CE
Chlorine	710C1R2	8.90e+4 ug/g	5.14e+1 lbs/hr	CE
Chlorine	710C1R3	9.01e+4 ug/g	5.20e+1 lbs/hr	CE
Chlorine	710C2R1	9.08e+4 ug/g	5.19e+1 lbs/hr	CE
Chlorine	710C2R2	9.24e+4 ug/g	5.35e+1 lbs/hr	CE
Chlorine	710C2R3	8.84e+4 ug/g	5.07e+1 lbs/hr	CE
Chlorine	710C3R1	8.91e+4 ug/g	2.99e+1 lbs/hr	CE
Chlorine	710C3R2	9.02e+4 ug/g	3.11e+1 lbs/hr	CE
Chlorine	710C3R3	9.45e+4 ug/g	3.35e+1 lbs/hr	CE

6. Description: ORGANIC  
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

APC SYSTEM: QT/OS/C/S

REGION: 6

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	710C1R1	4.52e+5 ug/g	1.40e+3 lbs/hr	CE
Chlorine	710C1R2	4.16e+5 ug/g	1.30e+3 lbs/hr	CE
Chlorine	710C1R3	4.36e+5 ug/g	1.36e+3 lbs/hr	CE
Chlorine	710C2R1	4.43e+5 ug/g	1.38e+3 lbs/hr	CE
Chlorine	710C2R2	4.36e+5 ug/g	1.36e+3 lbs/hr	CE
Chlorine	710C2R3	4.39e+5 ug/g	1.36e+3 lbs/hr	CE
Chlorine	710C3R1	4.38e+5 ug/g	8.53e+2 lbs/hr	CE
Chlorine	710C3R2	4.46e+5 ug/g	8.68e+2 lbs/hr	CE
Chlorine	710C3R3	4.40e+5 ug/g	8.60e+2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	710C3R1	1.23e+5 ug/g	2.40e+2 lbs/hr	CE
Carbon Tetrachloride	710C3R2	1.34e+5 ug/g	2.61e+2 lbs/hr	CE
Carbon Tetrachloride	710C3R3	1.29e+5 ug/g	2.52e+2 lbs/hr	CE
Chlorobenzene	710C3R1	4.70e+4 ug/g	9.16e+1 lbs/hr	CE
Chlorobenzene	710C3R2	5.07e+4 ug/g	9.88e+1 lbs/hr	CE
Chlorobenzene	710C3R3	5.03e+4 ug/g	9.83e+1 lbs/hr	CE
Toluene	710C3R1	8.67e+4 ug/g	1.69e+2 lbs/hr	CE
Toluene	710C3R2	9.24e+4 ug/g	1.80e+2 lbs/hr	CE
Toluene	710C3R3	9.21e+4 ug/g	1.80e+2 lbs/hr	CE
Trichlorofluoroethane	710C3R1	3.05e+4 ug/g	5.94e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R2	3.52e+4 ug/g	6.86e+1 lbs/hr	CE
Trichlorofluoroethane	710C3R3	3.23e+4 ug/g	6.31e+1 lbs/hr	CE

6. Description: ORGANIC

Group: ALL DEVICES

Location: ALL CHAMBERS

Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	710C1R1	1.10e+5 ug/g	7.20e+2 lbs/hr	
Carbon Tetrachloride	710C1R2	2.08e+5 ug/g	1.36e+3 lbs/hr	
Carbon Tetrachloride	710C1R3	1.21e+5 ug/g	7.91e+2 lbs/hr	
Carbon Tetrachloride	710C2R1	1.13e+5 ug/g	4.84e+2 lbs/hr	
Carbon Tetrachloride	710C2R2	1.21e+5 ug/g	5.11e+2 lbs/hr	
Carbon Tetrachloride	710C2R3	1.25e+5 ug/g	5.41e+2 lbs/hr	
Chlorobenzene	710C1R1	5.86e+4 ug/g	3.39e+2 lbs/hr	
Chlorobenzene	710C1R2	7.77e+4 ug/g	5.11e+2 lbs/hr	
Chlorobenzene	710C1R3	4.86e+4 ug/g	3.19e+2 lbs/hr	
Chlorobenzene	710C2R1	4.35e+4 ug/g	1.86e+2 lbs/hr	
Chlorobenzene	710C2R2	4.88e+4 ug/g	2.06e+2 lbs/hr	
Chlorobenzene	710C2R3	5.28e+4 ug/g	2.28e+2 lbs/hr	
Toluene	710C1R1	9.16e+4 ug/g	5.60e+2 lbs/hr	
Toluene	710C1R2	1.12e+5 ug/g	7.20e+2 lbs/hr	
Toluene	710C1R3	7.88e+4 ug/g	5.16e+2 lbs/hr	
Toluene	710C2R1	7.02e+4 ug/g	3.01e+2 lbs/hr	
Toluene	710C2R2	7.81e+4 ug/g	3.30e+2 lbs/hr	
Toluene	710C2R3	8.53e+4 ug/g	3.68e+2 lbs/hr	
Trichlorofluoroethane	710C1R1	3.74e+4 ug/g	2.45e+2 lbs/hr	
Trichlorofluoroethane	710C1R2	5.47e+4 ug/g	3.60e+2 lbs/hr	
Trichlorofluoroethane	710C1R3	3.15e+4 ug/g	2.06e+2 lbs/hr	
Trichlorofluoroethane	710C2R1	2.97e+4 ug/g	1.27e+2 lbs/hr	
Trichlorofluoroethane	710C2R2	2.94e+4 ug/g	1.24e+2 lbs/hr	
Trichlorofluoroethane	710C2R3	3.25e+4 ug/g	1.40e+2 lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DUPONT  
 2. STATE: NJ  
 3. CITY: DEEPWATER  
 4. EP ID: 339 DEVICE NAME:

EPA ID: NJD002385730  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2  
 APC SYSTEM: AT/PT/RJS/ESP

5. Type: BLOWDOWN

6. Description: SCRUBBER  
 Group: INCINERATOR Location: SCRUBBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	339C1R1	4.15e+3 mg/l	0.00e+0	
Chlorine	339C1R2	5.02e+3 mg/l	0.00e+0	
Chlorine	339C1R3	4.02e+3 mg/l	0.00e+0	
Chlorine	339C1R4	3.76e+3 mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Acetone	339C1R1	5.40e-2 mg/l	0.00e+0	
Acetone	339C1R3	3.50e-2 mg/l	0.00e+0	
Bromoform	339C1R1	1.00e-2 mg/l	0.00e+0	
Bromoform	339C1R2	1.00e-2 mg/l	0.00e+0	
Bromoform	339C1R3	1.20e-2 mg/l	0.00e+0	
Bromoform	339C1R4	1.20e-2 mg/l	0.00e+0	

5. Type: WASTE

6. Description:  
 Group: INCINERATOR Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	339C1R1	2.64e+5 ug/g	5.63e+2 lbs/hr	CE
Chlorine	339C1R2	2.59e+5 ug/g	5.73e+2 lbs/hr	CE
Chlorine	339C1R3	2.52e+5 ug/g	0.00e+0	
Chlorine	339C1R4	2.59e+5 ug/g	5.54e+2 lbs/hr	CE
Chlorine	339C1R5	2.61e+5 ug/g	0.00e+0	
Chlorine	339C1R6	2.69e+5 ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	339C1R1	ND 9.05e-2 ug/g	1.93e-4 lbs/hr	CE
Antimony	339C1R2	ND 9.05e-2 ug/g	2.00e-4 lbs/hr	CE
Antimony	339C1R3	ND 9.03e-2 ug/g	0.00e+0	
Arsenic	339C1R1	ND 1.81e-1 ug/g	3.85e-4 lbs/hr	CE
Arsenic	339C1R2	ND 9.05e-2 ug/g	2.00e-4 lbs/hr	CE
Arsenic	339C1R3	ND 9.03e-2 ug/g	0.00e+0	
Barium	339C1R1	1.63e+0 ug/g	3.47e-3 lbs/hr	CE
Barium	339C1R2	1.72e+0 ug/g	3.80e-3 lbs/hr	CE
Barium	339C1R3	1.54e+0 ug/g	0.00e+0	
Beryllium	339C1R1	ND 2.26e-2 ug/g	4.82e-5 lbs/hr	CE
Beryllium	339C1R2	ND 2.26e-2 ug/g	4.99e-5 lbs/hr	CE
Beryllium	339C1R3	ND 2.26e-2 ug/g	0.00e+0	
Cadmium	339C1R1	ND 2.26e-2 ug/g	4.82e-5 lbs/hr	CE
Cadmium	339C1R2	ND 2.26e-2 ug/g	4.99e-5 lbs/hr	CE
Cadmium	339C1R3	ND 2.26e-2 ug/g	0.00e+0	
Chromium	339C1R1	ND 4.52e-2 ug/g	9.63e-5 lbs/hr	CE
Chromium	339C1R2	5.25e-2 ug/g	1.16e-4 lbs/hr	CE
Chromium	339C1R3	ND 4.52e-2 ug/g	0.00e+0	
Lead	339C1R1	1.63e-1 ug/g	3.47e-4 lbs/hr	CE
Lead	339C1R2	1.99e-1 ug/g	4.39e-4 lbs/hr	CE
Lead	339C1R3	8.94e-2 ug/g	0.00e+0	
Nickel	339C1R1	2.62e-1 ug/g	5.59e-4 lbs/hr	CE
Nickel	339C1R2	3.08e-1 ug/g	6.79e-4 lbs/hr	CE
Nickel	339C1R3	3.61e-1 ug/g	0.00e+0	
Selenium	339C1R1	ND 9.05e-2 ug/g	1.93e-4 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

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

Selenium	339C1R2	ND	9.05e-2	ug/g	2.00e-4	lbs/hr	CE
Selenium	339C1R3	ND	9.03e-2	ug/g	0.00e+0		

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Carbon Tetrachloride	339C1R1	1.45e+5	ug/g	3.09e+2	lbs/hr	CC
Carbon Tetrachloride	339C1R2	1.44e+5	ug/g	3.18e+2	lbs/hr	CC
Carbon Tetrachloride	339C1R3	1.46e+5	ug/g	3.25e+2	lbs/hr	
Carbon Tetrachloride	339C1R4	1.60e+5	ug/g	3.43e+2	lbs/hr	
o-Dichlorobenzene	339C1R1	1.28e+5	ug/g	2.73e+2	lbs/hr	CC
o-Dichlorobenzene	339C1R2	1.30e+5	ug/g	2.87e+2	lbs/hr	CC
o-Dichlorobenzene	339C1R3	1.33e+5	ug/g	2.96e+2	lbs/hr	
o-Dichlorobenzene	339C1R4	1.45e+5	ug/g	3.11e+2	lbs/hr	
Toluene	339C1R1	2.79e+5	ug/g	5.94e+2	lbs/hr	CC
Toluene	339C1R2	2.80e+5	ug/g	6.18e+2	lbs/hr	CC
Toluene	339C1R3	2.84e+5	ug/g	6.32e+2	lbs/hr	
Toluene	339C1R4	3.10e+5	ug/g	6.64e+2	lbs/hr	
Trichlorofluoromethane	339C1R1	1.17e+5	ug/g	2.49e+2	lbs/hr	CC
Trichlorofluoromethane	339C1R2	1.18e+5	ug/g	2.60e+2	lbs/hr	CC
Trichlorofluoromethane	339C1R3	1.18e+5	ug/g	2.63e+2	lbs/hr	
Trichlorofluoromethane	339C1R4	1.27e+5	ug/g	2.72e+2	lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

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

5. Type: SPIKE

6. Description: ORGANICS (P-BENZOQUINONE)  
 Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
p-Benzoquinone	350C1R1	1.70e+5 ug/g	5.95e+1 lbs/hr	
p-Benzoquinone	350C1R2	1.50e+5 ug/g	5.69e+1 lbs/hr	
p-Benzoquinone	350C1R3	1.60e+5 ug/g	5.69e+1 lbs/hr	
p-Benzoquinone	350C2R1	1.70e+5 ug/g	6.22e+1 lbs/hr	
p-Benzoquinone	350C2R2	1.60e+5 ug/g	6.09e+1 lbs/hr	
p-Benzoquinone	350C2R3	1.60e+5 ug/g	6.62e+1 lbs/hr	
p-Benzoquinone	350C3R1	8.40e+4 ug/g	2.91e+1 lbs/hr	
p-Benzoquinone	350C3R2	9.10e+4 ug/g	3.31e+1 lbs/hr	
p-Benzoquinone	350C3R3	6.20e+4 ug/g	2.25e+1 lbs/hr	
p-Benzoquinone	350C4R1	6.50e+4 ug/g	1.23e+1 lbs/hr	
p-Benzoquinone	350C4R2	8.40e+4 ug/g	1.03e+1 lbs/hr	
p-Benzoquinone	350C4R3	8.10e+4 ug/g	1.03e+1 lbs/hr	
p-Benzoquinone	350C5R1	1.20e+4 ug/g	3.70e+0 lbs/hr	
p-Benzoquinone	350C5R2	8.10e+3 ug/g	1.98e+0 lbs/hr	
p-Benzoquinone	350C5R3	1.50e+5 ug/g	5.29e+1 lbs/hr	
p-Benzoquinone	350C6R1	4.40e+4 ug/g	4.90e+0 lbs/hr	
p-Benzoquinone	350C6R2	3.00e+4 ug/g	3.18e+0 lbs/hr	
p-Benzoquinone	350C6R3	1.50e+4 ug/g	2.51e+0 lbs/hr	
p-Benzoquinone	350C7R1	1.20e+5 ug/g	3.04e+1 lbs/hr	
p-Benzoquinone	350C7R2	1.20e+5 ug/g	3.04e+1 lbs/hr	
p-Benzoquinone	350C7R3	1.30e+5 ug/g	3.04e+1 lbs/hr	
p-Benzoquinone	350C8R1	1.10e+5 ug/g	1.85e+1 lbs/hr	
p-Benzoquinone	350C8R2	1.20e+5 ug/g	2.12e+1 lbs/hr	
p-Benzoquinone	350C8R3	1.10e+5 ug/g	2.51e+1 lbs/hr	
p-Benzoquinone	350C9R1	1.00e+5 ug/g	1.59e+1 lbs/hr	
p-Benzoquinone	350C9R2	1.00e+5 ug/g	1.72e+1 lbs/hr	
p-Benzoquinone	350C9R3	8.50e+4 ug/g	1.59e+1 lbs/hr	

5. Type: WASTE

6. Description: TAR FEED  
 Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	350C1R1	ND 2.00e+2 ug/g	5.09e-1 lbs/hr	CE
Chlorine	350C1R2	ND 2.00e+2 ug/g	4.98e-1 lbs/hr	CE
Chlorine	350C1R3	ND 2.00e+2 ug/g	5.10e-1 lbs/hr	CE
Chlorine	350C2R1	ND 2.00e+2 ug/g	1.81e-1 lbs/hr	CE
Chlorine	350C2R2	ND 2.00e+2 ug/g	1.80e-1 lbs/hr	CE
Chlorine	350C2R3	ND 2.00e+2 ug/g	1.80e-1 lbs/hr	CE
Chlorine	350C3R1	ND 2.00e+2 ug/g	5.10e-1 lbs/hr	CE
Chlorine	350C3R2	ND 2.00e+2 ug/g	5.10e-1 lbs/hr	CE
Chlorine	350C3R3	ND 2.00e+2 ug/g	5.09e-1 lbs/hr	CE
Chlorine	350C4R1	ND 2.00e+2 ug/g	1.84e-1 lbs/hr	CE
Chlorine	350C4R2	ND 2.00e+2 ug/g	1.84e-1 lbs/hr	CE
Chlorine	350C4R3	ND 2.00e+2 ug/g	1.83e-1 lbs/hr	CE
Chlorine	350C5R1	ND 2.00e+2 ug/g	5.09e-1 lbs/hr	CE
Chlorine	350C5R2	ND 2.00e+2 ug/g	5.09e-1 lbs/hr	CE
Chlorine	350C5R3	ND 2.00e+2 ug/g	5.09e-1 lbs/hr	CE
Chlorine	350C6R1	ND 2.00e+2 ug/g	1.81e-1 lbs/hr	CE
Chlorine	350C6R2	ND 2.00e+2 ug/g	1.81e-1 lbs/hr	CE
Chlorine	350C6R3	ND 2.00e+2 ug/g	1.78e-1 lbs/hr	CE
Chlorine	350C8R1	ND 2.00e+2 ug/g	2.89e-1 lbs/hr	CE
Chlorine	350C8R2	ND 2.00e+2 ug/g	2.89e-1 lbs/hr	CE
Chlorine	350C8R3	ND 2.00e+2 ug/g	2.89e-1 lbs/hr	CE
Chlorine	350C9R1	ND 2.00e+2 ug/g	1.84e-1 lbs/hr	CE
Chlorine	350C9R2	ND 2.00e+2 ug/g	1.84e-1 lbs/hr	CE
Chlorine	350C9R3	ND 2.00e+2 ug/g	1.84e-1 lbs/hr	CE

6. Description: LIGHT ORGANICS  
 Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

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

EPA ID: TXD008079212  
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB/HE/FF  
 REGION: 6

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
Chlorine	350C1R1	ND	2.00e+2	ug/g	1.50e-1 lbs/hr	CE
Chlorine	350C1R2	ND	2.00e+2	ug/g	1.50e-1 lbs/hr	CE
Chlorine	350C1R3	ND	2.00e+2	ug/g	1.49e-1 lbs/hr	CE
Chlorine	350C2R1	ND	2.00e+2	ug/g	4.22e-1 lbs/hr	CE
Chlorine	350C2R2	ND	2.00e+2	ug/g	4.22e-1 lbs/hr	CE
Chlorine	350C2R3	ND	2.00e+2	ug/g	4.21e-1 lbs/hr	CE
Chlorine	350C3R1	ND	2.00e+2	ug/g	1.46e-1 lbs/hr	CE
Chlorine	350C3R2	ND	2.00e+2	ug/g	1.46e-1 lbs/hr	CE
Chlorine	350C3R3	ND	2.00e+2	ug/g	1.48e-1 lbs/hr	CE
Chlorine	350C4R1	ND	2.00e+2	ug/g	4.21e-1 lbs/hr	CE
Chlorine	350C4R2	ND	2.00e+2	ug/g	4.17e-1 lbs/hr	CE
Chlorine	350C4R3	ND	2.00e+2	ug/g	4.06e-1 lbs/hr	CE
Chlorine	350C5R1	ND	2.00e+2	ug/g	1.54e-1 lbs/hr	CE
Chlorine	350C5R2	ND	2.00e+2	ug/g	1.48e-1 lbs/hr	CE
Chlorine	350C5R3	ND	2.00e+2	ug/g	1.51e-1 lbs/hr	CE
Chlorine	350C6R1	ND	2.00e+2	ug/g	4.16e-1 lbs/hr	CE
Chlorine	350C6R2	ND	2.00e+2	ug/g	4.18e-1 lbs/hr	CE
Chlorine	350C6R3	ND	2.00e+2	ug/g	4.24e-1 lbs/hr	CE
Chlorine	350C7R1	ND	2.00e+2	ug/g	3.90e-1 lbs/hr	CE
Chlorine	350C7R2	ND	2.00e+2	ug/g	3.90e-1 lbs/hr	CE
Chlorine	350C7R3	ND	2.00e+2	ug/g	3.90e-1 lbs/hr	CE
Chlorine	350C7R4	ND	2.00e+2	ug/g	3.66e-1 lbs/hr	CE
Chlorine	350C8R1	ND	2.00e+2	ug/g	1.48e-1 lbs/hr	CE
Chlorine	350C8R2	ND	2.00e+2	ug/g	1.48e-1 lbs/hr	CE
Chlorine	350C8R3	ND	2.00e+2	ug/g	1.49e-1 lbs/hr	CE
Chlorine	350C9R1	ND	2.00e+2	ug/g	2.34e-1 lbs/hr	CE
Chlorine	350C9R2	ND	2.00e+2	ug/g	2.33e-1 lbs/hr	CE
Chlorine	350C9R3	ND	2.00e+2	ug/g	2.32e-1 lbs/hr	CE

6. Description: WASH WATER  
 Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
Chlorine	350C1R1	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C1R2	ND	2.00e+2	ug/g	3.90e-1 lbs/hr	CE
Chlorine	350C1R3	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C2R1	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C2R2	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C2R3	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C5R1	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C5R2	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C5R3	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C6R1	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C6R2	ND	2.00e+2	ug/g	4.00e-1 lbs/hr	CE
Chlorine	350C6R3	ND	2.00e+2	ug/g	3.90e-1 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

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

5. Type: WASTE

6. Description: SURROGATE  
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Formaldehyde	702C1R1	4.70e+4 ug/g	2.85e+2 lbs/hr	CE
Formaldehyde	702C1R2	4.30e+4 ug/g	2.58e+2 lbs/hr	CE
Formaldehyde	702C1R3	4.30e+4 ug/g	2.58e+2 lbs/hr	CE
Formaldehyde	702C2R1	4.60e+4 ug/g	1.84e+2 lbs/hr	CE
Formaldehyde	702C2R2	5.90e+4 ug/g	2.36e+2 lbs/hr	CE
Formaldehyde	702C2R3	4.50e+4 ug/g	1.80e+2 lbs/hr	CE
Formaldehyde	702C3R1	4.70e+4 ug/g	3.29e+2 lbs/hr	CE
Formaldehyde	702C3R2	4.60e+4 ug/g	3.20e+2 lbs/hr	CE
Formaldehyde	702C3R3	4.40e+4 ug/g	3.06e+2 lbs/hr	CE
Formaldehyde	702C4R1	4.00e+4 ug/g	2.78e+2 lbs/hr	CE
Formaldehyde	702C4R2	3.70e+4 ug/g	2.57e+2 lbs/hr	CE
Formaldehyde	702C4R3	4.00e+4 ug/g	2.80e+2 lbs/hr	CE
Formaldehyde	702C5R1	6.20e+4 ug/g	2.48e+2 lbs/hr	CE
Formaldehyde	702C5R2	5.80e+4 ug/g	2.29e+2 lbs/hr	CE
Formaldehyde	702C5R3	4.70e+4 ug/g	1.88e+2 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM 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

5. Type: SPIKE  
 6. Description: ORGANICS (CB,DIOXANE)  
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID  
 7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	707A1R1	6.66e+5 ug/g	0.00e+0	
Chlorine	707A1R2	6.32e+5 ug/g	0.00e+0	
Chlorine	707A1R3	6.95e+5 ug/g	0.00e+0	
Chlorine	707A2R1	0.00e+0	0.00e+0	
Chlorine	707A2R2	6.96e+5 ug/g	0.00e+0	
Chlorine	707A2R3	6.94e+5 ug/g	0.00e+0	
Chlorine	707A3R1	6.01e+5 ug/g	8.72e+1 lbs/hr	CE
Chlorine	707A3R2	6.72e+5 ug/g	9.75e+1 lbs/hr	CE
Chlorine	707A3R3	6.87e+5 ug/g	9.98e+1 lbs/hr	CE
Chlorine	707A4R1	6.93e+5 ug/g	1.01e+2 lbs/hr	CE
Chlorine	707A4R2	6.32e+5 ug/g	9.15e+1 lbs/hr	CE
Chlorine	707A4R3	6.95e+5 ug/g	1.01e+2 lbs/hr	CE
Chlorine	707A5R1	6.94e+5 ug/g	1.01e+2 lbs/hr	CE
Chlorine	707A5R2	6.97e+5 ug/g	1.01e+2 lbs/hr	CE
Chlorine	707A5R3	6.80e+5 ug/g	9.86e+1 lbs/hr	CE
Chlorine	707A6R1	6.84e+5 ug/g	9.93e+1 lbs/hr	CE
Chlorine	707A6R2	6.88e+5 ug/g	9.98e+1 lbs/hr	CE
Chlorine	707A6R3	6.88e+5 ug/g	9.99e+1 lbs/hr	CE
Chlorine	707C2R1	6.42e+5 ug/g	9.12e+1 lbs/hr	CE
Chlorine	707C2R2	6.43e+5 ug/g	9.16e+1 lbs/hr	CE
Chlorine	707C2R3	7.46e+5 ug/g	1.08e+2 lbs/hr	CE
Chlorine	707C3R1	7.03e+5 ug/g	1.02e+2 lbs/hr	CE
Chlorine	707C3R2	6.29e+5 ug/g	9.04e+1 lbs/hr	CE
Chlorine	707C3R3	6.80e+5 ug/g	9.72e+1 lbs/hr	CE
Chlorine	707C4R1	7.27e+5 ug/g	1.06e+2 lbs/hr	CE
Chlorine	707C4R2	0.00e+0	0.00e+0	
Chlorine	707C9R1	7.40e+5 ug/g	1.09e+2 lbs/hr	CE
Chlorine	707C9R2	7.36e+5 ug/g	1.08e+2 lbs/hr	CE
Chlorine	707C9R3	6.99e+5 ug/g	1.01e+2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	707A3R1	4.89e+5 ug/g	7.10e+1 lbs/hr	CE
Carbon Tetrachloride	707A3R2	5.05e+5 ug/g	7.33e+1 lbs/hr	CE
Carbon Tetrachloride	707A3R3	5.10e+5 ug/g	7.40e+1 lbs/hr	CE
Carbon Tetrachloride	707A4R1	4.90e+5 ug/g	7.11e+1 lbs/hr	CE
Carbon Tetrachloride	707A4R2	5.30e+5 ug/g	7.67e+1 lbs/hr	CE
Carbon Tetrachloride	707A4R3	4.78e+5 ug/g	6.93e+1 lbs/hr	CE
Carbon Tetrachloride	707A5R1	4.82e+5 ug/g	7.00e+1 lbs/hr	CE
Carbon Tetrachloride	707A5R2	4.98e+5 ug/g	7.22e+1 lbs/hr	CE
Carbon Tetrachloride	707A5R3	5.00e+5 ug/g	7.26e+1 lbs/hr	CE
Carbon Tetrachloride	707A6R1	5.04e+5 ug/g	7.32e+1 lbs/hr	CE
Carbon Tetrachloride	707A6R2	4.49e+5 ug/g	6.52e+1 lbs/hr	CE
Carbon Tetrachloride	707A6R3	5.11e+5 ug/g	7.42e+1 lbs/hr	CE
Carbon Tetrachloride	707C2R1	4.27e+5 ug/g	6.07e+1 lbs/hr	CE
Carbon Tetrachloride	707C2R2	4.24e+5 ug/g	6.04e+1 lbs/hr	CE
Carbon Tetrachloride	707C2R3	5.75e+5 ug/g	8.36e+1 lbs/hr	CE
Carbon Tetrachloride	707C3R1	5.41e+5 ug/g	7.83e+1 lbs/hr	CE
Carbon Tetrachloride	707C3R2	4.84e+5 ug/g	6.95e+1 lbs/hr	CE
Carbon Tetrachloride	707C3R3	4.74e+5 ug/g	6.77e+1 lbs/hr	CE
Carbon Tetrachloride	707C4R1	5.61e+5 ug/g	8.20e+1 lbs/hr	CE
Carbon Tetrachloride	707C4R2	5.03e+5 ug/g	0.00e+0	
Carbon Tetrachloride	707C4R3	4.80e+5 ug/g	0.00e+0	
Carbon Tetrachloride	707C9R1	5.95e+5 ug/g	8.76e+1 lbs/hr	CE
Carbon Tetrachloride	707C9R2	6.04e+5 ug/g	8.89e+1 lbs/hr	CE
Carbon Tetrachloride	707C9R3	4.98e+5 ug/g	7.19e+1 lbs/hr	CE
o-Dichlorobenzene	707A3R1	5.11e+5 ug/g	7.42e+1 lbs/hr	CE
o-Dichlorobenzene	707A3R2	4.95e+5 ug/g	7.19e+1 lbs/hr	CE
o-Dichlorobenzene	707A3R3	4.90e+5 ug/g	7.11e+1 lbs/hr	CE
o-Dichlorobenzene	707A4R1	5.10e+5 ug/g	7.40e+1 lbs/hr	CE
o-Dichlorobenzene	707A4R2	4.70e+5 ug/g	6.80e+1 lbs/hr	CE
o-Dichlorobenzene	707A4R3	5.22e+5 ug/g	7.57e+1 lbs/hr	CE
o-Dichlorobenzene	707A5R1	5.18e+5 ug/g	7.52e+1 lbs/hr	CE



SECTION 8: OTHER STREAM ANALYSES

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

EPA ID: TXD008079212  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 6  
 APC SYSTEM: QT/WS

Compound	Run ID	Concentration (ug/g)	Mass Rate (lbs/hr)	Calc
o-Dichlorobenzene	707A5R2	5.02e+5	7.28e+1	CE
o-Dichlorobenzene	707A5R3	5.00e+5	7.26e+1	CE
o-Dichlorobenzene	707A6R1	4.96e+5	7.20e+1	CE
o-Dichlorobenzene	707A6R2	5.51e+5	8.00e+1	CE
o-Dichlorobenzene	707A6R3	4.89e+5	7.10e+1	CE
o-Dichlorobenzene	707C2R1	5.73e+5	8.15e+1	CE
o-Dichlorobenzene	707C2R2	5.76e+5	8.20e+1	CE
o-Dichlorobenzene	707C2R3	4.25e+5	6.18e+1	CE
o-Dichlorobenzene	707C3R1	4.59e+5	6.64e+1	CE
o-Dichlorobenzene	707C3R2	5.16e+5	7.41e+1	CE
o-Dichlorobenzene	707C3R3	5.26e+5	7.51e+1	CE
o-Dichlorobenzene	707C4R1	4.39e+5	6.42e+1	CE
o-Dichlorobenzene	707C4R2	4.97e+5	0.00e+0	
o-Dichlorobenzene	707C4R3	5.20e+5	0.00e+0	
o-Dichlorobenzene	707C9R1	4.05e+5	5.96e+1	CE
o-Dichlorobenzene	707C9R2	3.96e+5	5.83e+1	CE
o-Dichlorobenzene	707C9R3	5.02e+5	7.25e+1	CE

5. Type: WASTE

6. Description: ORGANIC

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration (ug/g)	Mass Rate (lbs/hr)	Calc
Chlorine	707A1R1	1.75e+4	0.00e+0	
Chlorine	707A1R2	2.21e+4	0.00e+0	
Chlorine	707A1R3	1.76e+4	0.00e+0	
Chlorine	707C1R1	1.35e+4	0.00e+0	
Chlorine	707C1R2	1.44e+4	0.00e+0	
Chlorine	707C1R3	1.35e+4	0.00e+0	
Chlorine	707C2R1	1.31e+4	2.00e+1	CE
Chlorine	707C2R2	1.40e+4	2.08e+1	CE
Chlorine	707C2R3	8.90e+3	1.36e+1	CE
Chlorine	707C4R1	1.47e+4	2.74e+2	CE
Chlorine	707C4R2	1.64e+4	3.13e+2	CE
Chlorine	707C4R3	1.16e+4	2.21e+2	CE
Chlorine	707C9R1	1.49e+4	2.89e+1	CE
Chlorine	707C9R2	1.55e+4	2.94e+1	CE
Chlorine	707C9R3	1.50e+4	2.84e+1	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration (ug/g)	Mass Rate (lbs/hr)	Calc
Carbon Tetrachloride	707C2R1	ND 1.30e+2	1.99e-1	CE
Carbon Tetrachloride	707C2R2	ND 1.30e+2	1.93e-1	CE
Carbon Tetrachloride	707C2R3	ND 1.30e+2	1.99e-1	CE
Carbon Tetrachloride	707C4R1	ND 5.00e+1	9.31e-1	CE
Carbon Tetrachloride	707C4R2	ND 5.00e+1	9.53e-1	CE
Carbon Tetrachloride	707C4R3	ND 5.00e+1	9.53e-1	CE
Carbon Tetrachloride	707C9R1	ND 5.00e+1	9.71e-2	CE
Carbon Tetrachloride	707C9R2	ND 5.00e+1	9.48e-2	CE
Carbon Tetrachloride	707C9R3	ND 5.00e+1	9.48e-2	CE
o-Dichlorobenzene	707C2R1	1.00e+4	1.53e+1	CE
o-Dichlorobenzene	707C2R2	7.60e+3	1.13e+1	CE
o-Dichlorobenzene	707C2R3	1.20e+4	1.84e+1	CE
o-Dichlorobenzene	707C4R1	1.40e+3	2.61e+1	CE
o-Dichlorobenzene	707C4R2	4.10e+3	7.82e+1	CE
o-Dichlorobenzene	707C4R3	2.90e+3	5.53e+1	CE
o-Dichlorobenzene	707C9R1	5.80e+3	1.13e+1	CE
o-Dichlorobenzene	707C9R2	3.40e+3	6.45e+0	CE
o-Dichlorobenzene	707C9R3	7.90e+3	1.50e+1	CE

6. Description: AQUEOUS

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
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US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

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

EPA ID: TXD008079212

REGION: 6

DEVICE NAME: CENTRAL SCRUBBED INC

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/WS

Chlorine	707A1R1	2.40e+4	ug/g	0.00e+0		
Chlorine	707A1R2	2.43e+4	ug/g	0.00e+0		
Chlorine	707A1R3	2.35e+4	ug/g	0.00e+0		
Chlorine	707A2R1	1.85e+4	ug/g	0.00e+0		
Chlorine	707A2R2	1.92e+4	ug/g	0.00e+0		
Chlorine	707A2R3	2.09e+4	ug/g	0.00e+0		
Chlorine	707A3R1	2.51e+4	ug/g	6.41e+2	lbs/hr	CE
Chlorine	707A3R2	2.51e+4	ug/g	6.42e+2	lbs/hr	CE
Chlorine	707A3R3	2.22e+4	ug/g	5.67e+2	lbs/hr	CE
Chlorine	707A4R1	2.52e+4	ug/g	6.17e+2	lbs/hr	CE
Chlorine	707A4R2	2.45e+4	ug/g	6.00e+2	lbs/hr	CE
Chlorine	707A4R3	2.54e+4	ug/g	6.22e+2	lbs/hr	CE
Chlorine	707A5R1	2.51e+4	ug/g	5.49e+2	lbs/hr	CE
Chlorine	707A5R2	2.53e+4	ug/g	5.53e+2	lbs/hr	CE
Chlorine	707A5R3	2.40e+4	ug/g	5.24e+2	lbs/hr	CE
Chlorine	707A6R1	2.51e+4	ug/g	5.47e+2	lbs/hr	CE
Chlorine	707A6R2	2.39e+4	ug/g	5.23e+2	lbs/hr	CE
Chlorine	707A6R3	2.47e+4	ug/g	5.39e+2	lbs/hr	CE
Chlorine	707C1R1	2.16e+4	ug/g	0.00e+0		
Chlorine	707C1R2	2.23e+4	ug/g	0.00e+0		
Chlorine	707C1R3	2.13e+4	ug/g	0.00e+0		
Chlorine	707C2R1	2.39e+4	ug/g	4.71e+2	lbs/hr	CE
Chlorine	707C2R2	1.88e+4	ug/g	3.70e+2	lbs/hr	CE
Chlorine	707C2R3	2.23e+4	ug/g	4.17e+2	lbs/hr	CE
Chlorine	707C3R1	2.20e+4	ug/g	4.68e+2	lbs/hr	CE
Chlorine	707C3R2	2.10e+4	ug/g	4.35e+2	lbs/hr	CE
Chlorine	707C3R3	2.19e+4	ug/g	4.65e+2	lbs/hr	CE
Chlorine	707C4R1	1.81e+4	ug/g	3.81e+2	lbs/hr	CE
Chlorine	707C4R2	1.78e+4	ug/g	3.85e+2	lbs/hr	CE
Chlorine	707C4R3	1.76e+4	ug/g	3.81e+2	lbs/hr	CE
Chlorine	707C7R1	2.32e+4	ug/g	0.00e+0		
Chlorine	707C7R2	2.33e+4	ug/g	0.00e+0		
Chlorine	707C7R3	2.36e+4	ug/g	0.00e+0		
Chlorine	707C8R1	2.31e+4	ug/g	0.00e+0		
Chlorine	707C8R2	2.42e+4	ug/g	0.00e+0		
Chlorine	707C8R3	2.35e+4	ug/g	0.00e+0		
Chlorine	707C9R1	2.14e+4	ug/g	4.66e+2	lbs/hr	CE
Chlorine	707C9R2	2.32e+4	ug/g	5.18e+2	lbs/hr	CE
Chlorine	707C9R3	2.41e+4	ug/g	5.38e+2	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
Carbon Tetrachloride	707A3R1	ND	1.00e-1	mg/l	2.45e-3	lbs/hr
Carbon Tetrachloride	707A3R2	ND	1.00e-1	mg/l	2.45e-3	lbs/hr
Carbon Tetrachloride	707A3R3	ND	1.00e-1	mg/l	2.45e-3	lbs/hr
Carbon Tetrachloride	707A4R1	ND	1.00e-1	mg/l	2.35e-3	lbs/hr
Carbon Tetrachloride	707A4R2	ND	1.00e-1	mg/l	2.35e-3	lbs/hr
Carbon Tetrachloride	707A4R3	ND	1.00e-1	mg/l	2.35e-3	lbs/hr
Carbon Tetrachloride	707A5R1	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707A5R2	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707A5R3	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707A6R1	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707A6R2	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707A6R3	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707C2R1		1.70e-1	mg/l	3.24e-3	lbs/hr
Carbon Tetrachloride	707C2R2	ND	1.00e-1	mg/l	1.90e-3	lbs/hr
Carbon Tetrachloride	707C2R3	ND	1.00e-1	mg/l	1.80e-3	lbs/hr
Carbon Tetrachloride	707C3R1	ND	1.00e-1	mg/l	2.05e-3	lbs/hr
Carbon Tetrachloride	707C3R2	ND	1.00e-1	mg/l	2.00e-3	lbs/hr
Carbon Tetrachloride	707C3R3	ND	1.00e-1	mg/l	2.05e-3	lbs/hr
Carbon Tetrachloride	707C4R1		1.40e-1	mg/l	2.88e-3	lbs/hr
Carbon Tetrachloride	707C4R2	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707C4R3	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707C7R1	ND	1.00e-1	mg/l	2.45e-3	lbs/hr
Carbon Tetrachloride	707C7R2	ND	1.00e-1	mg/l	2.40e-3	lbs/hr
Carbon Tetrachloride	707C7R3	ND	1.00e-1	mg/l	2.40e-3	lbs/hr
Carbon Tetrachloride	707C8R1	ND	1.00e-1	mg/l	2.45e-3	lbs/hr
Carbon Tetrachloride	707C8R2	ND	1.00e-1	mg/l	2.30e-3	lbs/hr
Carbon Tetrachloride	707C8R3	ND	1.00e-1	mg/l	2.40e-3	lbs/hr
Carbon Tetrachloride	707C9R1	ND	1.00e-1	mg/l	2.10e-3	lbs/hr
Carbon Tetrachloride	707C9R2	ND	1.00e-1	mg/l	2.15e-3	lbs/hr
Carbon Tetrachloride	707C9R3	ND	1.00e-1	mg/l	2.15e-3	lbs/hr

SECTION 8: OTHER STREAM ANALYSES

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

EPA ID: TXD008079212

REGION: 6

DEVICE NAME: CENTRAL SCRUBBED INC

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/WS

o-Dichlorobenzene	707A3R1	3.60e+0	mg/l	8.84e-2	lbs/hr
o-Dichlorobenzene	707A3R2	3.60e+0	mg/l	8.84e-2	lbs/hr
o-Dichlorobenzene	707A3R3	2.90e+0	mg/l	7.12e-2	lbs/hr
o-Dichlorobenzene	707A4R1	2.40e+0	mg/l	5.65e-2	lbs/hr
o-Dichlorobenzene	707A4R2	3.10e+0	mg/l	7.30e-2	lbs/hr
o-Dichlorobenzene	707A4R3	2.80e+0	mg/l	6.59e-2	lbs/hr
o-Dichlorobenzene	707A5R1	2.90e+0	mg/l	6.10e-2	lbs/hr
o-Dichlorobenzene	707A5R2	2.50e+0	mg/l	5.26e-2	lbs/hr
o-Dichlorobenzene	707A5R3	2.50e+0	mg/l	5.26e-2	lbs/hr
o-Dichlorobenzene	707A6R1	1.40e+0	mg/l	2.95e-2	lbs/hr
o-Dichlorobenzene	707A6R2	1.70e+0	mg/l	3.58e-2	lbs/hr
o-Dichlorobenzene	707A6R3	1.60e+0	mg/l	3.37e-2	lbs/hr
o-Dichlorobenzene	707C2R1	4.10e+0	mg/l	7.81e-2	lbs/hr
o-Dichlorobenzene	707C2R2	3.30e+0	mg/l	6.28e-2	lbs/hr
o-Dichlorobenzene	707C2R3	2.90e+0	mg/l	5.23e-2	lbs/hr
o-Dichlorobenzene	707C3R1	5.80e+0	mg/l	1.19e-1	lbs/hr
o-Dichlorobenzene	707C3R2	3.50e+0	mg/l	7.01e-2	lbs/hr
o-Dichlorobenzene	707C3R3	3.10e+0	mg/l	6.37e-2	lbs/hr
o-Dichlorobenzene	707C4R1	3.00e+0	mg/l	6.16e-2	lbs/hr
o-Dichlorobenzene	707C4R2	3.50e+0	mg/l	7.36e-2	lbs/hr
o-Dichlorobenzene	707C4R3	1.80e+0	mg/l	3.79e-2	lbs/hr
o-Dichlorobenzene	707C7R1	3.10e+0	mg/l	7.61e-2	lbs/hr
o-Dichlorobenzene	707C7R2	3.00e+0	mg/l	7.21e-2	lbs/hr
o-Dichlorobenzene	707C7R3	4.20e+0	mg/l	1.01e-1	lbs/hr
o-Dichlorobenzene	707C8R1	3.00e+0	mg/l	7.36e-2	lbs/hr
o-Dichlorobenzene	707C8R2	3.00e+0	mg/l	6.91e-2	lbs/hr
o-Dichlorobenzene	707C8R3	3.10e+0	mg/l	7.45e-2	lbs/hr
o-Dichlorobenzene	707C9R1	1.70e+0	mg/l	3.58e-2	lbs/hr
o-Dichlorobenzene	707C9R2	1.90e+0	mg/l	4.09e-2	lbs/hr
o-Dichlorobenzene	707C9R3	1.90e+0	mg/l	4.09e-2	lbs/hr

6. Description: BRINE

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	707A2R1	1.52e+5 ug/g	5.37e+2 lbs/hr	CE
Chlorine	707A2R2	1.51e+5 ug/g	5.40e+2 lbs/hr	CE
Chlorine	707A2R3	1.56e+5 ug/g	5.59e+2 lbs/hr	CE

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