

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TENNESSEE EASTMAN CO.

2. STATE: TN

3. CITY: KINGSPORT

EPA ID: TND003376928

REGION: 4

4. EP ID: 809 DEVICE NAME: NO. 1 ROTARY KILN

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS

5. Type: WASTE

6. Description: SOLUTION A

Group: ROTARY KILN

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	809C1R1	2.19e+4	ug/g	1.40e+0 lbs/hr	CE
Antimony	809C1R2	2.20e+4	ug/g	1.41e+0 lbs/hr	CE
Antimony	809C1R3	2.18e+4	ug/g	1.39e+0 lbs/hr	CE
Antimony	809C2R1	2.14e+4	ug/g	5.02e+1 lbs/hr	CE
Antimony	809C2R2	2.20e+4	ug/g	5.16e+1 lbs/hr	CE
Antimony	809C2R3	2.21e+4	ug/g	4.60e+1 lbs/hr	CE
Arsenic	809C1R1	6.65e+2	ug/g	4.25e-2 lbs/hr	CE
Arsenic	809C1R2	7.29e+2	ug/g	4.66e-2 lbs/hr	CE
Arsenic	809C1R3	7.18e+2	ug/g	4.58e-2 lbs/hr	CE
Arsenic	809C2R1	7.32e+2	ug/g	1.72e+0 lbs/hr	CE
Arsenic	809C2R2	7.37e+2	ug/g	1.73e+0 lbs/hr	CE
Arsenic	809C2R3	7.22e+2	ug/g	1.50e+0 lbs/hr	CE

6. Description: SOLUTION B

Group: ROTARY KILN

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Cadmium	809C1R1	4.04e+3	ug/g	8.15e-2 lbs/hr	CE
Cadmium	809C1R2	4.17e+3	ug/g	8.42e-2 lbs/hr	CE
Cadmium	809C1R3	4.30e+3	ug/g	8.69e-2 lbs/hr	CE
Cadmium	809C2R1	3.80e+3	ug/g	8.55e-1 lbs/hr	CE
Cadmium	809C2R2	4.20e+3	ug/g	9.46e-1 lbs/hr	CE
Cadmium	809C2R3	4.30e+3	ug/g	9.69e-1 lbs/hr	CE
Lead	809C1R1	5.29e+4	ug/g	1.07e+0 lbs/hr	CE
Lead	809C1R2	5.18e+4	ug/g	1.05e+0 lbs/hr	CE
Lead	809C1R3	5.19e+4	ug/g	1.05e+0 lbs/hr	CE
Lead	809C2R1	4.36e+4	ug/g	9.83e+0 lbs/hr	CE
Lead	809C2R2	4.97e+4	ug/g	1.12e+1 lbs/hr	CE
Lead	809C2R3	4.63e+4	ug/g	1.04e+1 lbs/hr	CE

6. Description: SOLUTION C

Group: ROTARY KILN

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chromium	809C1R1	1.14e+5	ug/g	1.64e+0 lbs/hr	CE
Chromium	809C1R2	1.14e+5	ug/g	1.64e+0 lbs/hr	CE
Chromium	809C1R3	1.11e+5	ug/g	1.60e+0 lbs/hr	CE
Chromium	809C2R1	1.15e+5	ug/g	2.32e+1 lbs/hr	CE
Chromium	809C2R2	1.15e+5	ug/g	2.32e+1 lbs/hr	CE
Chromium	809C2R3	1.10e+5	ug/g	2.23e+1 lbs/hr	CE

6. Description: ORGANIC

Group: ROTARY KILN

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	809C1R1	ND	4.67e-3 ug/g	1.95e-5 lbs/hr	CE
Antimony	809C1R2	ND	4.67e-3 ug/g	2.06e-5 lbs/hr	CE
Antimony	809C1R3	ND	4.67e-3 ug/g	2.07e-5 lbs/hr	CE
Antimony	809C2R1	ND	4.67e-3 ug/g	1.99e-5 lbs/hr	CE
Antimony	809C2R2	ND	4.67e-3 ug/g	2.00e-5 lbs/hr	CE
Antimony	809C2R3	ND	4.67e-3 ug/g	1.99e-5 lbs/hr	CE
Arsenic	809C1R1	ND	4.67e-3 ug/g	1.95e-5 lbs/hr	CE
Arsenic	809C1R2	ND	4.67e-3 ug/g	2.06e-5 lbs/hr	CE
Arsenic	809C1R3	ND	4.67e-3 ug/g	2.07e-5 lbs/hr	CE

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1. COMPANY: TENNESSEE EASTMAN CO.

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3. CITY: KINGSPORT

EPA ID: TND003376928

REGION: 4

4. EP ID: 809 DEVICE NAME: NO. 1 ROTARY KILN

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS

Arsenic	809C2R1	ND	4.67e-3	ug/g	1.99e-5	lbs/hr	CE
Arsenic	809C2R2	ND	4.67e-3	ug/g	2.00e-5	lbs/hr	CE
Arsenic	809C2R3	ND	4.67e-3	ug/g	1.99e-5	lbs/hr	CE
Cadmium	809C1R1	ND	2.33e-2	ug/g	9.76e-5	lbs/hr	CE
Cadmium	809C1R2	ND	2.33e-2	ug/g	1.03e-4	lbs/hr	CE
Cadmium	809C1R3	ND	2.33e-2	ug/g	1.03e-4	lbs/hr	CE
Cadmium	809C2R1	ND	2.33e-2	ug/g	9.97e-5	lbs/hr	CE
Cadmium	809C2R2	ND	2.33e-2	ug/g	1.00e-4	lbs/hr	CE
Cadmium	809C2R3	ND	2.33e-2	ug/g	9.97e-5	lbs/hr	CE
Chromium	809C1R1	ND	4.67e-2	ug/g	1.95e-4	lbs/hr	CE
Chromium	809C1R2	ND	4.67e-2	ug/g	2.06e-4	lbs/hr	CE
Chromium	809C1R3	ND	4.67e-2	ug/g	2.07e-4	lbs/hr	CE
Chromium	809C2R1	ND	4.67e-2	ug/g	1.99e-4	lbs/hr	CE
Chromium	809C2R2	ND	4.67e-2	ug/g	2.00e-4	lbs/hr	CE
Chromium	809C2R3	ND	4.67e-2	ug/g	1.99e-4	lbs/hr	CE
Lead	809C1R1	ND	4.67e-2	ug/g	1.95e-4	lbs/hr	CE
Lead	809C1R2	ND	4.67e-2	ug/g	2.06e-4	lbs/hr	CE
Lead	809C1R3	ND	4.67e-2	ug/g	2.07e-4	lbs/hr	CE
Lead	809C2R1	ND	4.67e-2	ug/g	1.99e-4	lbs/hr	CE
Lead	809C2R2	ND	4.67e-2	ug/g	2.00e-4	lbs/hr	CE
Lead	809C2R3	ND	4.67e-2	ug/g	1.99e-4	lbs/hr	CE

6. Description: RIVER WATER

Group: ROTARY KILN

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
Antimony	809C1R1	ND	5.00e-3	ug/g	1.48e-5	lbs/hr	CE
Antimony	809C1R2	ND	5.00e-3	ug/g	1.65e-5	lbs/hr	CE
Antimony	809C1R3	ND	5.00e-3	ug/g	1.66e-5	lbs/hr	CE
Arsenic	809C1R1	ND	5.00e-3	ug/g	1.48e-5	lbs/hr	CE
Arsenic	809C1R2	ND	5.00e-3	ug/g	1.65e-5	lbs/hr	CE
Arsenic	809C1R3	ND	5.00e-3	ug/g	1.66e-5	lbs/hr	CE
Cadmium	809C1R1	ND	5.00e-3	ug/g	1.48e-5	lbs/hr	CE
Cadmium	809C1R2	ND	5.00e-3	ug/g	1.65e-5	lbs/hr	CE
Cadmium	809C1R3	ND	5.00e-3	ug/g	1.66e-5	lbs/hr	CE
Chromium	809C1R1	ND	1.00e-2	ug/g	2.97e-5	lbs/hr	CE
Chromium	809C1R2	ND	1.00e-2	ug/g	3.30e-5	lbs/hr	CE
Chromium	809C1R3	ND	1.00e-2	ug/g	3.33e-5	lbs/hr	CE
Lead	809C1R1	ND	1.00e-2	ug/g	2.97e-5	lbs/hr	CE
Lead	809C1R2	ND	1.00e-2	ug/g	3.30e-5	lbs/hr	CE
Lead	809C1R3	ND	1.00e-2	ug/g	3.33e-5	lbs/hr	CE

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1. COMPANY: TENNESSEE EASTMAN CO.

2. STATE: TN

3. CITY: KINGSPORT

EPA ID: TND003376928

REGION: 4

4. EP ID: 810 DEVICE NAME: LIQUID CHEMICAL DEST

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: Q/VS/PBS

5. Type: WASTE

6. Description: SOLUTION A

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	810C1R1	2.14e+4	ug/g	1.37e+0 lbs/hr	CE
Antimony	810C1R2	2.14e+4	ug/g	1.37e+0 lbs/hr	CE
Antimony	810C1R3	1.99e+4	ug/g	1.27e+0 lbs/hr	CE
Antimony	810C2R1	2.08e+4	ug/g	4.89e+1 lbs/hr	CE
Antimony	810C2R2	2.14e+4	ug/g	5.02e+1 lbs/hr	CE
Antimony	810C2R3	2.08e+4	ug/g	4.89e+1 lbs/hr	CE
Arsenic	810C1R1	7.19e+2	ug/g	4.59e-2 lbs/hr	CE
Arsenic	810C1R2	7.22e+2	ug/g	4.61e-2 lbs/hr	CE
Arsenic	810C1R3	6.94e+2	ug/g	4.43e-2 lbs/hr	CE
Arsenic	810C2R1	7.70e+2	ug/g	1.81e+0 lbs/hr	CE
Arsenic	810C2R2	7.22e+2	ug/g	1.70e+0 lbs/hr	CE
Arsenic	810C2R3	7.70e+2	ug/g	1.81e+0 lbs/hr	CE

6. Description: SOLUTION B

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Cadmium	810C1R1	8.91e+3	ug/g	1.80e-1 lbs/hr	CE
Cadmium	810C1R2	8.78e+3	ug/g	1.77e-1 lbs/hr	CE
Cadmium	810C1R3	1.42e+4	ug/g	2.87e-1 lbs/hr	CE
Cadmium	810C2R1	8.95e+3	ug/g	2.02e+0 lbs/hr	CE
Cadmium	810C2R2	8.95e+3	ug/g	2.02e+0 lbs/hr	CE
Cadmium	810C2R3	9.12e+3	ug/g	2.05e+0 lbs/hr	CE
Lead	810C1R1	1.07e+5	ug/g	2.16e+0 lbs/hr	CE
Lead	810C1R2	1.07e+5	ug/g	2.15e+0 lbs/hr	CE
Lead	810C1R3	1.08e+5	ug/g	2.19e+0 lbs/hr	CE
Lead	810C2R1	1.08e+5	ug/g	2.42e+1 lbs/hr	CE
Lead	810C2R2	1.07e+5	ug/g	2.40e+1 lbs/hr	CE
Lead	810C2R3	1.08e+5	ug/g	2.42e+1 lbs/hr	CE

6. Description: SOLUTION C

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chromium	810C1R1	1.20e+5	ug/g	9.72e-1 lbs/hr	CE
Chromium	810C1R2	1.16e+5	ug/g	9.41e-1 lbs/hr	CE
Chromium	810C1R3	1.15e+5	ug/g	9.28e-1 lbs/hr	CE
Chromium	810C2R1	1.15e+5	ug/g	3.87e+1 lbs/hr	CE
Chromium	810C2R2	1.17e+5	ug/g	3.92e+1 lbs/hr	CE
Chromium	810C2R3	1.17e+5	ug/g	3.92e+1 lbs/hr	CE

6. Description: ORGANIC

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	810C1R1	ND	4.67e-3 ug/g	3.04e-5 lbs/hr	CE
Antimony	810C1R2	ND	4.67e-3 ug/g	3.03e-5 lbs/hr	CE
Antimony	810C1R3	ND	4.67e-3 ug/g	2.48e-5 lbs/hr	CE
Antimony	810C2R1	ND	4.67e-3 ug/g	1.75e-5 lbs/hr	CE
Antimony	810C2R2	ND	4.67e-3 ug/g	1.81e-5 lbs/hr	CE
Antimony	810C2R3	ND	4.67e-2 ug/g	1.74e-4 lbs/hr	CE
Arsenic	810C1R1	ND	4.67e-3 ug/g	3.04e-5 lbs/hr	CE
Arsenic	810C1R2	ND	4.67e-3 ug/g	3.03e-5 lbs/hr	CE
Arsenic	810C1R3	ND	4.67e-2 ug/g	2.48e-4 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TENNESSEE EASTMAN CO.

2. STATE: TN

3. CITY: KINGSPORT

EPA ID: TND003376928

REGION: 4

4. EP ID: 810 DEVICE NAME: LIQUID CHEMICAL DEST

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: Q/VS/PBS

Arsenic	810C2R1	ND	4.67e-3	ug/g	1.75e-5	lbs/hr	CE
Arsenic	810C2R2	ND	4.67e-3	ug/g	1.81e-5	lbs/hr	CE
Arsenic	810C2R3	ND	4.67e-3	ug/g	1.74e-5	lbs/hr	CE
Cadmium	810C1R1	ND	2.33e-2	ug/g	1.52e-4	lbs/hr	CE
Cadmium	810C1R2	ND	2.33e-2	ug/g	1.52e-4	lbs/hr	CE
Cadmium	810C1R3	ND	2.33e-2	ug/g	1.24e-4	lbs/hr	CE
Cadmium	810C2R1	ND	2.33e-2	ug/g	8.75e-5	lbs/hr	CE
Cadmium	810C2R2	ND	2.33e-2	ug/g	9.06e-5	lbs/hr	CE
Cadmium	810C2R3	ND	2.33e-2	ug/g	8.71e-5	lbs/hr	CE
Chromium	810C1R1	ND	4.67e-2	ug/g	3.04e-4	lbs/hr	CE
Chromium	810C1R2	ND	4.67e-2	ug/g	3.03e-4	lbs/hr	CE
Chromium	810C1R3	ND	4.67e-2	ug/g	2.48e-4	lbs/hr	CE
Chromium	810C2R1	ND	4.67e-2	ug/g	1.75e-4	lbs/hr	CE
Chromium	810C2R2	ND	4.67e-2	ug/g	1.81e-4	lbs/hr	CE
Chromium	810C2R3	ND	4.67e-2	ug/g	1.74e-4	lbs/hr	CE
Lead	810C1R1	ND	4.67e-2	ug/g	3.04e-4	lbs/hr	CE
Lead	810C1R2	ND	4.67e-2	ug/g	3.03e-4	lbs/hr	CE
Lead	810C1R3	ND	4.67e-2	ug/g	2.48e-4	lbs/hr	CE
Lead	810C2R1	ND	4.67e-2	ug/g	1.75e-4	lbs/hr	CE
Lead	810C2R2	ND	4.67e-2	ug/g	1.81e-4	lbs/hr	CE
Lead	810C2R3	ND	4.67e-2	ug/g	1.74e-4	lbs/hr	CE

6. Description: RIVER WATER

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
Antimony	810C1R1	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Antimony	810C1R2	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Antimony	810C1R3	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Antimony	810C2R1	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Antimony	810C2R2	ND	5.00e-3	ug/g	1.87e-5	lbs/hr	CE
Antimony	810C2R3	ND	5.00e-3	ug/g	1.87e-5	lbs/hr	CE
Arsenic	810C1R1	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Arsenic	810C1R2	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Arsenic	810C1R3	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Arsenic	810C2R1	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Arsenic	810C2R2	ND	5.00e-3	ug/g	1.87e-5	lbs/hr	CE
Arsenic	810C2R3	ND	5.00e-3	ug/g	1.87e-5	lbs/hr	CE
Cadmium	810C1R1	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Cadmium	810C1R2	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Cadmium	810C1R3	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Cadmium	810C2R1	ND	5.00e-3	ug/g	1.92e-5	lbs/hr	CE
Cadmium	810C2R2	ND	5.00e-3	ug/g	1.87e-5	lbs/hr	CE
Cadmium	810C2R3	ND	5.00e-3	ug/g	1.87e-5	lbs/hr	CE
Chromium	810C1R1		1.40e-2	ug/g	5.38e-5	lbs/hr	CE
Chromium	810C1R2		1.00e-2	ug/g	3.84e-5	lbs/hr	CE
Chromium	810C1R3		2.83e-1	ug/g	1.09e-3	lbs/hr	CE
Chromium	810C2R1		2.17e-1	ug/g	8.33e-4	lbs/hr	CE
Chromium	810C2R2	ND	1.00e-2	ug/g	3.73e-5	lbs/hr	CE
Chromium	810C2R3	ND	1.00e-2	ug/g	3.74e-5	lbs/hr	CE
Lead	810C1R1	ND	1.00e-2	ug/g	3.84e-5	lbs/hr	CE
Lead	810C1R2	ND	1.00e-2	ug/g	3.84e-5	lbs/hr	CE
Lead	810C1R3	ND	1.00e-2	ug/g	3.84e-5	lbs/hr	CE
Lead	810C2R1	ND	1.00e-2	ug/g	3.84e-5	lbs/hr	CE
Lead	810C2R2	ND	1.00e-2	ug/g	3.73e-5	lbs/hr	CE
Lead	810C2R3	ND	1.00e-2	ug/g	3.74e-5	lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: THERMALKEM
 2. STATE: SC
 3. CITY: ROCK HILL
 4. EP ID: 332 DEVICE NAME:

EPA SCD044442333
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WS

REGION: 4

5. Type: WASTE

6. Description:

Group: FIXED HEARTH

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	332C1R1	4.29e+5	ug/g	7.85e+2 lbs/hr	CE
Chlorine	332C1R2	3.54e+5	ug/g	7.14e+2 lbs/hr	CE
Chlorine	332C1R3	4.13e+5	ug/g	7.72e+2 lbs/hr	CE
Chlorine	332C1R4	4.27e+5	ug/g	7.01e+2 lbs/hr	CE
Chlorine	332C1R5	4.46e+5	ug/g	7.94e+2 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Lead	332C1R1	1.20e+4	ppmv	0.00e+0	
Lead	332C1R2	9.80e+3	ppmv	0.00e+0	
Lead	332C1R3	7.30e+3	ppmv	0.00e+0	
Lead	332C1R4	1.10e+4	ppmv	0.00e+0	
Lead	332C1R5	8.50e+3	ppmv	0.00e+0	
Mercury	332C1R1	ND	1.00e+0 ppmv	0.00e+0	
Mercury	332C1R2	ND	1.00e+0 ppmv	0.00e+0	
Mercury	332C1R3	ND	1.00e+0 ppmv	0.00e+0	
Mercury	332C1R4	ND	1.00e+0 ppmv	0.00e+0	
Mercury	332C1R5	ND	1.00e+0 ppmv	0.00e+0	

7. Category: PAH

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Fluoranthene	332C1	ND	1.00e+1 ug/g	1.83e-2 lbs/hr	CE
Naphthalene	332C1	1.80e+3	ug/g	3.29e+0 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
1,2,4,5-Tetrachlorobenzene	332C1	ND	1.00e+1 ug/g	1.83e-2 lbs/hr	CE
1,2-Dichlorobenzene	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
1,3-Dichlorobenzene	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
1,4-Dichlorobenzene	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
2,4-Dimethylphenol	332C1	ND	1.00e+1 ug/g	1.83e-2 lbs/hr	CE
bis(2-ethylhexyl) Phthalate	332C1	7.10e+2	ug/g	1.30e+0 lbs/hr	CE
Butylbenzylphthalate	332C1	2.00e+1	ug/g	3.66e-2 lbs/hr	CE
di-n-Butyl Phthalate	332C1	ND	1.00e+1 ug/g	1.83e-2 lbs/hr	CE
Dimethylphthalate	332C1	9.10e+2	ug/g	1.66e+0 lbs/hr	CE
Hexachlorobenzene	332C1	ND	1.00e+1 ug/g	1.83e-2 lbs/hr	CE
Methyl Methacrylate	332C1	3.90e+3	ug/g	7.13e+0 lbs/hr	CE
Phenol	332C1	5.30e+2	ug/g	9.69e-1 lbs/hr	CE
Pyridine	332C1	3.00e+1	ug/g	5.48e-2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
1,1,1-Trichloroethane	332C1	2.40e+3	ug/g	4.39e+0 lbs/hr	CE
1,1,2,2-Tetrachloroethane	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
1,1,2-Trichloroethane	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
1,1-Dichloroethane	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
1,1-Dichloroethene	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE
1,2-Dichloroethane	332C1	ND	5.00e+2 ug/g	9.14e-1 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: THERMALKEM
 2. STATE: SC
 3. CITY: ROCK HILL
 4. EP ID: 332 DEVICE NAME:

EPA ID: SCD044442333
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WS

REGION: 4

Benzene	332C1	ND	5.00e+2	ug/g	9.14e-1	lbs/hr	CE
Carbon Tetrachloride	332C1		4.90e+4	ug/g	8.96e+1	lbs/hr	CE
Carbon Tetrachloride	332C1R1		7.32e+4	ug/g	1.34e+2	lbs/hr	CE
Carbon Tetrachloride	332C1R2		6.77e+4	ug/g	1.37e+2	lbs/hr	CE
Carbon Tetrachloride	332C1R3		8.41e+4	ug/g	1.57e+2	lbs/hr	CE
Carbon Tetrachloride	332C1R4		9.35e+4	ug/g	1.54e+2	lbs/hr	CE
Carbon Tetrachloride	332C1R5		9.32e+4	ug/g	1.66e+2	lbs/hr	CE
Chlorobenzene	332C1	ND	5.00e+2	ug/g	9.14e-1	lbs/hr	CE
Methyl Ethyl Ketone	332C1		8.70e+4	ug/g	1.59e+2	lbs/hr	CE
Methylene Chloride	332C1		2.90e+3	ug/g	5.30e+0	lbs/hr	CE
Tetrachloroethene	332C1		1.20e+5	ug/g	2.19e+2	lbs/hr	CE
Tetrachloroethene	332C1R1		1.45e+5	ug/g	2.65e+2	lbs/hr	CE
Tetrachloroethene	332C1R2		1.59e+5	ug/g	3.21e+2	lbs/hr	CE
Tetrachloroethene	332C1R3		2.06e+5	ug/g	3.85e+2	lbs/hr	CE
Tetrachloroethene	332C1R4		2.38e+5	ug/g	3.91e+2	lbs/hr	CE
Tetrachloroethene	332C1R5		2.09e+5	ug/g	3.72e+2	lbs/hr	CE
Toluene	332C1		2.50e+4	ug/g	4.57e+1	lbs/hr	CE
trans-1,2-Dichloroethene	332C1	ND	5.00e+2	ug/g	9.14e-1	lbs/hr	CE
Trichloroethene	332C1		1.10e+5	ug/g	2.01e+2	lbs/hr	CE
Trichloroethene	332C1R1		1.05e+5	ug/g	1.92e+2	lbs/hr	CE
Trichloroethene	332C1R2		1.11e+5	ug/g	2.24e+2	lbs/hr	CE
Trichloroethene	332C1R3		1.55e+5	ug/g	2.90e+2	lbs/hr	CE
Trichloroethene	332C1R4		1.76e+5	ug/g	2.89e+2	lbs/hr	CE
Trichloroethene	332C1R5		1.48e+5	ug/g	2.64e+2	lbs/hr	CE

6. Description: PALLETS

Group: FIXED HEARTH

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	332C1R1	1.30e+4	ug/g	3.70e+1	lbs/hr	CE
Chlorine	332C1R2	1.79e+4	ug/g	4.87e+1	lbs/hr	CE
Chlorine	332C1R3	7.20e+3	ug/g	8.67e+0	lbs/hr	CE
Chlorine	332C1R4	2.69e+4	ug/g	3.77e+1	lbs/hr	CE
Chlorine	332C1R5	3.09e+4	ug/g	3.98e+1	lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Lead	332C1R1	1.30e+3	ug/g	3.70e+0	lbs/hr	CE	
Lead	332C1R2	8.10e+2	ug/g	2.20e+0	lbs/hr	CE	
Lead	332C1R3	4.30e+3	ug/g	5.18e+0	lbs/hr	CE	
Lead	332C1R4	3.30e+3	ug/g	4.62e+0	lbs/hr	CE	
Lead	332C1R5	5.80e+3	ug/g	7.47e+0	lbs/hr	CE	
Mercury	332C1R1	ND	1.00e+0	ug/g	2.84e-3	lbs/hr	CE
Mercury	332C1R2	ND	1.00e+0	ug/g	2.72e-3	lbs/hr	CE
Mercury	332C1R3		2.30e+0	ug/g	2.77e-3	lbs/hr	CE
Mercury	332C1R4		2.30e+0	ug/g	3.22e-3	lbs/hr	CE
Mercury	332C1R5		1.50e+0	ug/g	1.93e-3	lbs/hr	CE

7. Category: PAH

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Fluoranthene	332C1	ND	1.00e+1	ug/g	1.89e-2	lbs/hr	CE
Naphthalene	332C1		2.20e+2	ug/g	4.16e-1	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
1,2,4,5-Tetrachlorobenzene	332C1	ND	1.00e+1	ug/g	1.89e-2	lbs/hr	CE
1,2-Dichlorobenzene	332C1		5.00e+2	ug/g	9.46e-1	lbs/hr	CE
1,3-Dichlorobenzene	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: THERMALKEM
 2. STATE: SC
 3. CITY: ROCK HILL
 4. EP ID: 332 DEVICE NAME:

EPA SCD044442333
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WS

REGION: 4

1,4-Dichlorobenzene	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
2,4-Dimethylphenol	332C1	ND	1.00e+1	ug/g	1.89e-2	lbs/hr	CE
bis(2-ethylexy) Phthalate	332C1		4.10e+3	ug/g	7.75e+0	lbs/hr	CE
Butylbenzylphthalate	332C1		1.90e+2	ug/g	3.59e-1	lbs/hr	CE
di-n-Butyl Phthalate	332C1		4.00e+1	ug/g	7.56e-2	lbs/hr	CE
Dimethylphthalate	332C1		3.00e+1	ug/g	5.67e-2	lbs/hr	CE
Hexachlorobenzene	332C1		6.00e+1	ug/g	1.13e-1	lbs/hr	CE
Methyl Methacrylate	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
Phenol	332C1		4.50e+2	ug/g	8.51e-1	lbs/hr	CE
Pyridine	332C1	ND	2.00e+1	ug/g	3.78e-2	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
1,1,1-Trichloroethane	332C1		6.60e+3	ug/g	1.25e+1	lbs/hr	CE
1,1,2,2-Tetrachloroethane	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
1,1,2-Trichloroethane	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
1,1-Dichloroethane	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
1,1-Dichloroethene	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
1,2-Dichloroethane	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
Benzene	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
Carbon Tetrachloride	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
Carbon Tetrachloride	332C1R1	ND	5.00e+1	ug/g	1.42e-1	lbs/hr	CE
Carbon Tetrachloride	332C1R2	ND	5.00e+1	ug/g	1.36e-1	lbs/hr	CE
Carbon Tetrachloride	332C1R3	ND	5.00e+1	ug/g	6.02e-2	lbs/hr	CE
Carbon Tetrachloride	332C1R4	ND	5.00e+1	ug/g	7.01e-2	lbs/hr	CE
Carbon Tetrachloride	332C1R5	ND	5.00e+1	ug/g	6.44e-2	lbs/hr	CE
Chlorobenzene	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
Methyl Ethyl Ketone	332C1		3.50e+3	ug/g	6.62e+0	lbs/hr	CE
Methylene Chloride	332C1		6.00e+3	ug/g	1.13e+1	lbs/hr	CE
Tetrachloroethene	332C1		2.90e+3	ug/g	5.48e+0	lbs/hr	CE
Tetrachloroethene	332C1R1		5.23e+2	ug/g	1.49e+0	lbs/hr	CE
Tetrachloroethene	332C1R2		2.67e+3	ug/g	7.26e+0	lbs/hr	CE
Tetrachloroethene	332C1R3		2.75e+3	ug/g	3.31e+0	lbs/hr	CE
Tetrachloroethene	332C1R4		2.66e+3	ug/g	3.73e+0	lbs/hr	CE
Tetrachloroethene	332C1R5		2.29e+3	ug/g	2.95e+0	lbs/hr	CE
Toluene	332C1		5.10e+4	ug/g	9.64e+1	lbs/hr	CE
trans-1,2-Dichloroethene	332C1	ND	5.00e+2	ug/g	9.46e-1	lbs/hr	CE
Trichloroethene	332C1		3.10e+3	ug/g	5.86e+0	lbs/hr	CE
Trichloroethene	332C1R1		7.46e+2	ug/g	2.12e+0	lbs/hr	CE
Trichloroethene	332C1R2		2.41e+3	ug/g	6.56e+0	lbs/hr	CE
Trichloroethene	332C1R3		3.25e+3	ug/g	3.91e+0	lbs/hr	CE
Trichloroethene	332C1R4		7.86e+3	ug/g	1.10e+1	lbs/hr	CE
Trichloroethene	332C1R5		2.44e+3	ug/g	3.14e+0	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TRADE WASTE INCINERATION
 2. STATE: IL
 3. CITY: SAUGET
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4 EPA ID: ILD098642424 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

5. Type: SPIKE

6. Description: ORGANICS (CARBON TETRACHLORIDE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	333C1R1	9.22e+5 ug/g	5.53e+1 lbs/hr	CE
Chlorine	333C1R2	9.22e+5 ug/g	5.16e+1 lbs/hr	CE
Chlorine	333C1R3	9.22e+5 ug/g	5.51e+1 lbs/hr	CE
Chlorine	333C1R4	9.22e+5 ug/g	5.58e+1 lbs/hr	CE
Chlorine	333C2R1	9.22e+5 ug/g	6.91e+1 lbs/hr	CE
Chlorine	333C2R2	9.22e+5 ug/g	7.01e+1 lbs/hr	CE
Chlorine	333C2R3	9.22e+5 ug/g	6.99e+1 lbs/hr	CE
Chlorine	333C2R4	9.22e+5 ug/g	6.94e+1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	333C1R1	1.00e+6 ug/g	6.01e+1 lbs/hr	CC
Carbon Tetrachloride	333C1R2	9.99e+5 ug/g	5.60e+1 lbs/hr	CC
Carbon Tetrachloride	333C1R3	1.00e+6 ug/g	5.98e+1 lbs/hr	CC
Carbon Tetrachloride	333C1R4	9.99e+5 ug/g	6.05e+1 lbs/hr	CC
Carbon Tetrachloride	333C2R1	1.00e+6 ug/g	7.49e+1 lbs/hr	CC
Carbon Tetrachloride	333C2R2	1.00e+6 ug/g	7.61e+1 lbs/hr	CC
Carbon Tetrachloride	333C2R3	1.00e+6 ug/g	7.58e+1 lbs/hr	CC
Carbon Tetrachloride	333C2R4	1.00e+6 ug/g	7.53e+1 lbs/hr	CC

6. Description: ORGANICS (TRICHLOROBENZENE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	333C1R1	5.87e+5 ug/g	1.18e+2 lbs/hr	CE
Chlorine	333C1R2	5.87e+5 ug/g	1.23e+2 lbs/hr	CE
Chlorine	333C1R3	5.87e+5 ug/g	1.03e+2 lbs/hr	CE
Chlorine	333C1R4	5.87e+5 ug/g	1.15e+2 lbs/hr	CE
Chlorine	333C2R1	5.87e+5 ug/g	1.83e+2 lbs/hr	CE
Chlorine	333C2R2	5.87e+5 ug/g	1.58e+2 lbs/hr	CE
Chlorine	333C2R3	5.87e+5 ug/g	1.58e+2 lbs/hr	CE
Chlorine	333C2R4	5.87e+5 ug/g	1.71e+2 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,3-Trichlorobenzene	333C1R1	1.00e+6 ug/g	2.01e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R2	1.00e+6 ug/g	2.09e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R3	1.00e+6 ug/g	1.75e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R4	1.00e+6 ug/g	1.96e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R1	1.00e+6 ug/g	3.11e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R2	1.00e+6 ug/g	2.70e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R3	1.00e+6 ug/g	2.70e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R4	1.00e+6 ug/g	2.91e+2 lbs/hr	CC

6. Description: ORGANICS (HEXACHLOROETHANE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	333C1R1	8.99e+5 ug/g	1.52e+2 lbs/hr	CE
Chlorine	333C1R2	8.99e+5 ug/g	1.49e+2 lbs/hr	CE
Chlorine	333C1R3	8.99e+5 ug/g	1.48e+2 lbs/hr	CE
Chlorine	333C1R4	8.99e+5 ug/g	1.47e+2 lbs/hr	CE
Chlorine	333C2R1	8.99e+5 ug/g	2.21e+2 lbs/hr	CE
Chlorine	333C2R2	8.99e+5 ug/g	2.23e+2 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TRADE WASTE INCINERATION
 2. STATE: IL
 3. CITY: SAUGET
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4

EPA ID: ILD098642424
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

REGION: 5

Chlorine	333C2R3	8.99e+5	ug/g	2.19e+2	lbs/hr	CE
Chlorine	333C2R4	8.99e+5	ug/g	2.26e+2	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Hexachloroethane	333C1R1	1.00e+6	ug/g	1.69e+2	lbs/hr	CC
Hexachloroethane	333C1R2	1.00e+6	ug/g	1.66e+2	lbs/hr	CC
Hexachloroethane	333C1R3	1.00e+6	ug/g	1.65e+2	lbs/hr	CC
Hexachloroethane	333C1R4	1.00e+6	ug/g	1.64e+2	lbs/hr	CC
Hexachloroethane	333C2R1	1.00e+6	ug/g	2.46e+2	lbs/hr	CC
Hexachloroethane	333C2R2	1.00e+6	ug/g	2.48e+2	lbs/hr	CC
Hexachloroethane	333C2R3	1.00e+6	ug/g	2.44e+2	lbs/hr	CC
Hexachloroethane	333C2R4	1.00e+6	ug/g	2.51e+2	lbs/hr	CC

6. Description: ORGANICS (MONOCHLOROBENZENE)
 Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	333C2R1	3.16e+5	ug/g	2.39e+1	lbs/hr	CE
Chlorine	333C2R2	3.16e+5	ug/g	2.40e+1	lbs/hr	CE
Chlorine	333C2R3	3.16e+5	ug/g	2.42e+1	lbs/hr	CE
Chlorine	333C2R4	3.16e+5	ug/g	2.39e+1	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorobenzene	333C2R1	1.00e+6	ug/g	7.57e+1	lbs/hr	CC
Chlorobenzene	333C2R2	1.00e+6	ug/g	7.61e+1	lbs/hr	CC
Chlorobenzene	333C2R3	1.00e+6	ug/g	7.65e+1	lbs/hr	CC
Chlorobenzene	333C2R4	1.00e+6	ug/g	7.55e+1	lbs/hr	CC

5. Type: WASTE

6. Description: AQUEOUS
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	333C1R1	1.80e+3	ug/g	2.63e+0	lbs/hr	CE
Chlorine	333C1R2	1.90e+3	ug/g	3.81e+0	lbs/hr	CE
Chlorine	333C1R3	2.20e+3	ug/g	3.52e+0	lbs/hr	CE
Chlorine	333C1R4	1.80e+3	ug/g	3.18e+0	lbs/hr	CE
Chlorine	333C2R1	2.22e+3	ug/g	4.09e+0	lbs/hr	CE
Chlorine	333C2R2	2.39e+3	ug/g	3.11e+0	lbs/hr	CE
Chlorine	333C2R3	2.52e+3	ug/g	3.36e+0	lbs/hr	CE
Chlorine	333C2R4	2.85e+3	ug/g	4.28e+0	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc	
1,2,3-Trichlorobenzene	333C1R1	1.90e-2	ug/g	2.78e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C1R2	2.64e-2	ug/g	5.29e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C1R3	2.40e-2	ug/g	3.84e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C1R4	2.62e-2	ug/g	4.63e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C2R1	1.15e-2	ug/g	2.12e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C2R2	1.83e-2	ug/g	2.38e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C2R3	1.29e-2	ug/g	1.72e-5	lbs/hr	CC	
1,2,3-Trichlorobenzene	333C2R4	2.47e+0	ug/g	3.70e-3	lbs/hr	CC	
Hexachloroethane	333C1R1	ND	1.18e-2	ug/g	1.72e-5	lbs/hr	CC
Hexachloroethane	333C1R2	ND	1.19e-2	ug/g	2.38e-5	lbs/hr	CC
Hexachloroethane	333C1R3	ND	1.16e-2	ug/g	1.85e-5	lbs/hr	CC
Hexachloroethane	333C1R4	ND	1.20e-2	ug/g	2.12e-5	lbs/hr	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TRADE WASTE INCINERATION
 2. STATE: IL
 3. CITY: SAUGET
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4

EPA ID: ILD098642424
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

REGION: 5

Hexachloroethane	333C2R1	ND	1.15e-2	ug/g	2.12e-5	lbs/hr	CC
Hexachloroethane	333C2R2	ND	1.22e-2	ug/g	1.59e-5	lbs/hr	CC
Hexachloroethane	333C2R3	ND	1.19e-2	ug/g	1.59e-5	lbs/hr	CC
Hexachloroethane	333C2R4	ND	1.15e-2	ug/g	1.72e-5	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Carbon Tetrachloride	333C1R1	1.09e+1	ug/g	1.59e-2	lbs/hr	CC	
Carbon Tetrachloride	333C1R2	1.12e+1	ug/g	2.25e-2	lbs/hr	CC	
Carbon Tetrachloride	333C1R3	9.10e+0	ug/g	1.46e-2	lbs/hr	CC	
Carbon Tetrachloride	333C1R4	8.24e+0	ug/g	1.46e-2	lbs/hr	CC	
Carbon Tetrachloride	333C2R1	ND	7.18e+0	ug/g	1.32e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R2	ND	7.12e+0	ug/g	9.26e-3	lbs/hr	CC
Carbon Tetrachloride	333C2R3	ND	6.95e+0	ug/g	9.26e-3	lbs/hr	CC
Carbon Tetrachloride	333C2R4		7.93e+0	ug/g	1.19e-2	lbs/hr	CC
Chlorobenzene	333C2R1	2.22e+2	ug/g	4.09e-1	lbs/hr	CC	
Chlorobenzene	333C2R2	1.60e+2	ug/g	2.08e-1	lbs/hr	CC	
Chlorobenzene	333C2R3	1.40e+2	ug/g	1.87e-1	lbs/hr	CC	
Chlorobenzene	333C2R4	1.65e+2	ug/g	2.47e-1	lbs/hr	CC	

6. Description: ORGANIC
 Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	333C2R1	7.14e+3	ug/g	6.93e+0	lbs/hr	CE
Chlorine	333C2R2	4.83e+3	ug/g	4.64e+0	lbs/hr	CE
Chlorine	333C2R3	4.84e+3	ug/g	4.59e+0	lbs/hr	CE
Chlorine	333C2R4	5.45e+3	ug/g	5.68e+0	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
1,2,3-Trichlorobenzene	333C2R1	ND	5.45e-2	ug/g	5.29e-5	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R2	ND	5.51e-2	ug/g	5.29e-5	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R3	ND	5.58e-2	ug/g	5.29e-5	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R4	ND	5.07e-2	ug/g	5.29e-5	lbs/hr	CC
Hexachlorobenzene	333C2R1	ND	5.45e-2	ug/g	5.29e-5	lbs/hr	CC
Hexachlorobenzene	333C2R2	ND	5.51e-2	ug/g	5.29e-5	lbs/hr	CC
Hexachlorobenzene	333C2R3	ND	5.58e-2	ug/g	5.29e-5	lbs/hr	CC
Hexachlorobenzene	333C2R4	ND	6.34e-2	ug/g	6.61e-5	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Carbon Tetrachloride	333C2R1	1.50e+1	ug/g	1.46e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R2	1.52e+1	ug/g	1.46e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R3	2.09e+1	ug/g	1.98e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R4	2.03e+1	ug/g	2.12e-2	lbs/hr	CC
Chlorobenzene	333C2R1	5.86e+1	ug/g	5.69e-2	lbs/hr	CC
Chlorobenzene	333C2R2	2.89e+1	ug/g	2.78e-2	lbs/hr	CC
Chlorobenzene	333C2R3	5.58e+1	ug/g	5.29e-2	lbs/hr	CC
Chlorobenzene	333C2R4	5.07e+1	ug/g	5.29e-2	lbs/hr	CC

6. Description: CONTAINERIZED
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	333C1R1	8.75e+2	ug/g	1.51e+0	lbs/hr	CE
Chlorine	333C1R2	2.35e+3	ug/g	4.01e+0	lbs/hr	CE
Chlorine	333C1R3	1.80e+3	ug/g	3.02e+0	lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TRADE WASTE INCINERATION
 2. STATE: IL
 3. CITY: SAUGET
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4

EPA ID: ILD098642424
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

REGION: 5

Chlorine	333C1R4	7.90e+2	ug/g	1.32e+0	lbs/hr	CE
Chlorine	333C2R1	8.00e+1	ug/g	1.95e-1	lbs/hr	CE
Chlorine	333C2R2	5.00e+1	ug/g	1.12e-1	lbs/hr	CE
Chlorine	333C2R3	3.00e+1	ug/g	7.30e-2	lbs/hr	CE
Chlorine	333C2R4	4.00e+1	ug/g	1.01e-1	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
1,2,3-Trichlorobenzene	333C1R1	9.19e-2	ug/g	1.59e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R2	6.12e+1	ug/g	1.05e-1	lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R3	2.91e-1	ug/g	4.90e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R4	2.45e-1	ug/g	4.10e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R1	5.44e-3	ug/g	1.32e-5	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R2	ND	5.89e-4	ug/g	1.32e-6	CC
1,2,3-Trichlorobenzene	333C2R3	ND	5.44e-4	ug/g	1.32e-6	CC
1,2,3-Trichlorobenzene	333C2R4	5.26e+0	ug/g	1.32e-2	lbs/hr	CC
Hexachloroethane	333C1R1	1.99e-1	ug/g	3.44e-4	lbs/hr	CC
Hexachloroethane	333C1R2	9.30e-1	ug/g	1.59e-3	lbs/hr	CC
Hexachloroethane	333C1R3	ND	7.88e-4	ug/g	1.32e-6	CC
Hexachloroethane	333C1R4	ND	7.91e-4	ug/g	1.32e-6	CC
Hexachloroethane	333C2R1	ND	5.44e-4	ug/g	1.32e-6	CC
Hexachloroethane	333C2R2	ND	5.89e-4	ug/g	1.32e-6	CC
Hexachloroethane	333C2R3	ND	5.44e-4	ug/g	1.32e-6	CC
Hexachloroethane	333C2R4	ND	5.26e-4	ug/g	1.32e-6	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	333C1R1	2.22e+1	ug/g	3.84e-2	lbs/hr	CC
Carbon Tetrachloride	333C1R2	ND	7.75e-1	ug/g	1.32e-3	CC
Carbon Tetrachloride	333C1R3	1.57e+0	ug/g	2.65e-3	lbs/hr	CC
Carbon Tetrachloride	333C1R4	7.91e-1	ug/g	1.32e-3	lbs/hr	CC
Carbon Tetrachloride	333C2R1	ND	1.09e+0	ug/g	2.65e-3	CC
Carbon Tetrachloride	333C2R2	ND	1.77e+0	ug/g	3.97e-3	CC
Carbon Tetrachloride	333C2R3	ND	1.63e+0	ug/g	3.97e-3	CC
Carbon Tetrachloride	333C2R4	ND	1.58e+0	ug/g	3.97e-3	CC
Chlorobenzene	333C2R1	ND	1.09e+0	ug/g	2.65e-3	CC
Chlorobenzene	333C2R2	ND	1.77e+0	ug/g	3.97e-3	CC
Chlorobenzene	333C2R3	ND	2.18e+0	ug/g	5.29e-3	CC
Chlorobenzene	333C2R4	ND	2.10e+0	ug/g	5.29e-3	CC

6. Description:

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	333C1R1	3.07e+3	ug/g	3.01e+0	lbs/hr	CE
Chlorine	333C1R2	3.06e+3	ug/g	3.65e+0	lbs/hr	CE
Chlorine	333C1R3	1.14e+3	ug/g	1.23e+0	lbs/hr	CE
Chlorine	333C1R4	7.10e+2	ug/g	8.45e-1	lbs/hr	CE
Chlorine	333C2R1	1.80e+3	ug/g	2.01e+0	lbs/hr	CE
Chlorine	333C2R2	2.18e+3	ug/g	2.37e+0	lbs/hr	CE
Chlorine	333C2R3	2.78e+3	ug/g	2.75e+0	lbs/hr	CE
Chlorine	333C2R4	2.10e+3	ug/g	2.18e+0	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
1,2,3-Trichlorobenzene	333C1R1	ND	5.39e-4	ug/g	5.29e-7	CC
1,2,3-Trichlorobenzene	333C1R2	ND	5.54e-4	ug/g	6.62e-7	CC
1,2,3-Trichlorobenzene	333C1R3	ND	6.11e-4	ug/g	6.62e-7	CC
1,2,3-Trichlorobenzene	333C1R4	ND	5.56e-4	ug/g	6.62e-7	CC
1,2,3-Trichlorobenzene	333C2R1	ND	2.37e-3	ug/g	2.65e-6	CC
1,2,3-Trichlorobenzene	333C2R2	ND	2.44e-3	ug/g	2.65e-6	CC
1,2,3-Trichlorobenzene	333C2R3	ND	2.68e-3	ug/g	2.65e-6	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TRADE WASTE INCINERATION
 2. STATE: IL
 3. CITY: SAUGET
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4

EPA ID: ILD098642424
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

REGION: 5

1,2,3-Trichlorobenzene	333C2R4	ND	2.55e-3	ug/g	2.65e-6	lbs/hr	CC
Hexachloroethane	333C1R1	ND	5.39e-4	ug/g	5.29e-7	lbs/hr	CC
Hexachloroethane	333C1R2	ND	5.54e-4	ug/g	6.62e-7	lbs/hr	CC
Hexachloroethane	333C1R3	ND	6.11e-4	ug/g	6.62e-7	lbs/hr	CC
Hexachloroethane	333C1R4	ND	5.56e-4	ug/g	6.62e-7	lbs/hr	CC
Hexachloroethane	333C2R1	ND	2.37e-3	ug/g	2.65e-6	lbs/hr	CC
Hexachloroethane	333C2R2	ND	2.44e-3	ug/g	2.65e-6	lbs/hr	CC
Hexachloroethane	333C2R3	ND	2.68e-3	ug/g	2.65e-6	lbs/hr	CC
Hexachloroethane	333C2R4	ND	2.55e-3	ug/g	2.65e-6	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Carbon Tetrachloride	333C1R1		1.08e+1	ug/g	1.06e-2	lbs/hr	CC
Carbon Tetrachloride	333C1R2		1.44e+1	ug/g	1.72e-2	lbs/hr	CC
Carbon Tetrachloride	333C1R3		1.22e+1	ug/g	1.32e-2	lbs/hr	CC
Carbon Tetrachloride	333C1R4		1.22e+1	ug/g	1.46e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R1		1.31e+1	ug/g	1.46e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R2	ND	8.54e+0	ug/g	9.26e-3	lbs/hr	CC
Carbon Tetrachloride	333C2R3	ND	9.36e+0	ug/g	9.26e-3	lbs/hr	CC
Carbon Tetrachloride	333C2R4	ND	8.92e+0	ug/g	9.26e-3	lbs/hr	CC
Chlorobenzene	333C2R1	ND	5.93e+0	ug/g	6.62e-3	lbs/hr	CC
Chlorobenzene	333C2R2	ND	1.10e+1	ug/g	1.19e-2	lbs/hr	CC
Chlorobenzene	333C2R3	ND	1.20e+1	ug/g	1.19e-2	lbs/hr	CC
Chlorobenzene	333C2R4	ND	1.15e+1	ug/g	1.19e-2	lbs/hr	CC

6. Description: BULK SOLIDS

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Chlorine	333C1R1		9.00e+2	ug/g	7.45e+0	lbs/hr	CE
Chlorine	333C1R2		9.00e+2	ug/g	7.34e+0	lbs/hr	CE
Chlorine	333C1R3		9.00e+2	ug/g	7.27e+0	lbs/hr	CE
Chlorine	333C1R4		9.00e+2	ug/g	7.23e+0	lbs/hr	CE
Chlorine	333C2R1		1.81e+3	ug/g	2.19e+1	lbs/hr	CE
Chlorine	333C2R2		1.84e+3	ug/g	2.24e+1	lbs/hr	CE
Chlorine	333C2R3		2.56e+3	ug/g	3.06e+1	lbs/hr	CE
Chlorine	333C2R4		2.19e+3	ug/g	2.69e+1	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
1,2,3-Trichlorobenzene	333C1R1		4.32e-2	ug/g	3.57e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R2		4.87e-2	ug/g	3.97e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R3		4.91e-2	ug/g	3.97e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C1R4		4.94e-2	ug/g	3.97e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R1		5.48e-2	ug/g	6.61e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R2		5.43e-2	ug/g	6.61e-4	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R3		2.21e-1	ug/g	2.65e-3	lbs/hr	CC
1,2,3-Trichlorobenzene	333C2R4		2.15e-1	ug/g	2.65e-3	lbs/hr	CC
Hexachloroethane	333C1R1		2.24e-2	ug/g	1.85e-4	lbs/hr	CC
Hexachloroethane	333C1R2		1.62e-2	ug/g	1.32e-4	lbs/hr	CC
Hexachloroethane	333C1R3		1.64e-2	ug/g	1.32e-4	lbs/hr	CC
Hexachloroethane	333C1R4		1.65e-2	ug/g	1.32e-4	lbs/hr	CC
Hexachloroethane	333C2R1		5.48e-1	ug/g	6.62e-3	lbs/hr	CC
Hexachloroethane	333C2R2		5.43e-1	ug/g	6.62e-3	lbs/hr	CC
Hexachloroethane	333C2R3	ND	3.32e-3	ug/g	3.97e-5	lbs/hr	CC
Hexachloroethane	333C2R4		8.62e-1	ug/g	1.06e-2	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Carbon Tetrachloride	333C1R1		1.28e+0	ug/g	1.06e-2	lbs/hr	CC
Carbon Tetrachloride	333C1R2		1.14e+0	ug/g	9.26e-3	lbs/hr	CC
Carbon Tetrachloride	333C1R3		1.15e+0	ug/g	9.26e-3	lbs/hr	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: TRADE WASTE INCINERATION
 2. STATE: IL
 3. CITY: SAUGET
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4

EPA ID: ILD098642424
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

REGION: 5

Carbon Tetrachloride	333C1R4		1.15e-1	ug/g	9.26e-4	lbs/hr	CC
Carbon Tetrachloride	333C2R1	ND	1.86e+0	ug/g	2.25e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R2	ND	1.85e+0	ug/g	2.25e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R3	ND	1.88e+0	ug/g	2.25e-2	lbs/hr	CC
Carbon Tetrachloride	333C2R4	ND	1.94e+0	ug/g	2.38e-2	lbs/hr	CC
Chlorobenzene	333C2R1	ND	1.97e+0	ug/g	2.38e-2	lbs/hr	CC
Chlorobenzene	333C2R2	ND	1.96e+0	ug/g	2.38e-2	lbs/hr	CC
Chlorobenzene	333C2R3	ND	1.99e+0	ug/g	2.38e-2	lbs/hr	CC
Chlorobenzene	333C2R4	ND	2.05e+0	ug/g	2.51e-2	lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: UPJOHN CO.
 2. STATE: MI
 3. CITY: KALAMAZOO EPA MID000820381 REGION: 5
 4. EP ID: 342 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/QC/S/VS/DM

5. Type: BA ASH

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

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	342C1R1	ND	8.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	342C1R2	ND	4.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	342C1R3	ND	4.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	342C2R1	ND	8.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	342C2R2	ND	4.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	342C2R3	ND	4.00e-3 mg/l	0.00e+0	
Toluene	342C1R1		1.00e-2 mg/l	0.00e+0	
Toluene	342C1R2	ND	1.00e-3 mg/l	0.00e+0	
Toluene	342C1R3	ND	1.00e-3 mg/l	0.00e+0	
Toluene	342C2R1		8.00e-3 mg/l	0.00e+0	
Toluene	342C2R2	ND	1.00e-3 mg/l	0.00e+0	
Toluene	342C2R3	ND	1.00e-3 mg/l	0.00e+0	

5. Type: WASTE

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	342C1R1		5.80e+4 ug/g	0.00e+0	
Chlorine	342C1R2		5.85e+4 ug/g	0.00e+0	
Chlorine	342C1R3		5.23e+4 ug/g	0.00e+0	
Chlorine	342C2R1		5.84e+4 ug/g	0.00e+0	
Chlorine	342C2R2		5.92e+4 ug/g	0.00e+0	
Chlorine	342C2R3		5.88e+4 ug/g	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	342C1R1		4.00e+4 mg/l	1.31e+1 lbs/hr	
Carbon Tetrachloride	342C1R2		4.20e+4 mg/l	1.58e+1 lbs/hr	
Carbon Tetrachloride	342C1R3		2.80e+4 mg/l	1.08e+1 lbs/hr	
Carbon Tetrachloride	342C2R1		4.00e+4 mg/l	1.76e+1 lbs/hr	
Carbon Tetrachloride	342C2R2		3.70e+4 mg/l	3.10e+1 lbs/hr	
Carbon Tetrachloride	342C2R3		4.30e+4 mg/l	3.69e+1 lbs/hr	
Toluene	342C1R1		3.70e+4 mg/l	1.21e+1 lbs/hr	
Toluene	342C1R2		3.60e+4 mg/l	1.36e+1 lbs/hr	
Toluene	342C1R3		2.70e+4 mg/l	1.04e+1 lbs/hr	
Toluene	342C2R1		3.70e+4 mg/l	1.62e+1 lbs/hr	
Toluene	342C2R2		3.40e+4 mg/l	2.85e+1 lbs/hr	
Toluene	342C2R3		4.00e+4 mg/l	3.43e+1 lbs/hr	

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	342C1R1		5.80e+4 ug/g	0.00e+0	
Chlorine	342C1R2		5.85e+4 ug/g	0.00e+0	
Chlorine	342C1R3		5.23e+4 ug/g	0.00e+0	
Chlorine	342C2R1		5.84e+4 ug/g	0.00e+0	
Chlorine	342C2R2		5.92e+4 ug/g	0.00e+0	
Chlorine	342C2R3		5.88e+4 ug/g	0.00e+0	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: UPJOHN CO.

2. STATE: MI

3. CITY: KALAMAZOO

EPA ID: MID000820381

REGION: 5

4. EP ID: 342 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

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

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	342C1R1	4.00e+4	mg/l	2.18e+1	lbs/hr	
Carbon Tetrachloride	342C1R2	4.20e+4	mg/l	2.11e+1	lbs/hr	
Carbon Tetrachloride	342C1R3	2.80e+4	mg/l	1.33e+1	lbs/hr	
Carbon Tetrachloride	342C2R1	4.00e+4	mg/l	1.94e+1	lbs/hr	
Carbon Tetrachloride	342C2R2	3.70e+4	mg/l	1.29e+1	lbs/hr	
Carbon Tetrachloride	342C2R3	4.30e+4	mg/l	1.37e+1	lbs/hr	
Toluene	342C1R1	3.70e+4	mg/l	2.01e+1	lbs/hr	
Toluene	342C1R2	3.60e+4	mg/l	1.81e+1	lbs/hr	
Toluene	342C1R3	2.70e+4	mg/l	1.28e+1	lbs/hr	
Toluene	342C2R1	3.70e+4	mg/l	1.80e+1	lbs/hr	
Toluene	342C2R2	3.40e+4	mg/l	1.19e+1	lbs/hr	
Toluene	342C2R3	4.00e+4	mg/l	1.27e+1	lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VELISCOL CHEMICAL CORPORATION
 2. STATE: TN
 3. CITY: MEMPHIS
 4. EP ID: 905 DEVICE NAME:

EPA TND007024664
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 4
 APC SYSTEM: QT/VS/AS/CS

5. Type: WASTE

6. Description: PCL,SPIKED
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	905C1R1	5.40e+5 ug/g	2.84e+2 lbs/hr	CE
Chlorine	905C1R2	6.60e+5 ug/g	3.46e+2 lbs/hr	CE
Chlorine	905C1R3	6.80e+5 ug/g	3.56e+2 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	905C1R1	ND 3.70e-1 ug/g	1.94e-4 lbs/hr	CE
Arsenic	905C1R2	1.60e+0 ug/g	8.38e-4 lbs/hr	CE
Arsenic	905C1R3	ND 3.80e-1 ug/g	1.99e-4 lbs/hr	CE
Beryllium	905C1R1	ND 1.90e-1 ug/g	9.97e-5 lbs/hr	CE
Beryllium	905C1R2	ND 1.70e-1 ug/g	8.91e-5 lbs/hr	CE
Beryllium	905C1R3	ND 1.90e-1 ug/g	9.96e-5 lbs/hr	CE
Cadmium	905C1R1	ND 1.30e+0 ug/g	6.82e-4 lbs/hr	CE
Cadmium	905C1R2	ND 1.20e+0 ug/g	6.29e-4 lbs/hr	CE
Cadmium	905C1R3	ND 1.30e+0 ug/g	6.81e-4 lbs/hr	CE
Chromium	905C1R1	6.00e+0 ug/g	3.15e-3 lbs/hr	CE
Chromium	905C1R2	4.90e+0 ug/g	2.57e-3 lbs/hr	CE
Chromium	905C1R3	7.40e+0 ug/g	3.88e-3 lbs/hr	CE

6. Description: R1A,SPIKED METALS (AS,CD,CR)
 Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	905C1R1	1.80e+5 ug/g	8.57e+1 lbs/hr	CE
Chlorine	905C1R2	2.00e+5 ug/g	9.52e+1 lbs/hr	CE
Chlorine	905C1R3	1.80e+5 ug/g	8.53e+1 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	905C1R1	5.40e+1 ug/g	2.57e-2 lbs/hr	CE
Arsenic	905C1R2	4.20e+1 ug/g	2.00e-2 lbs/hr	CE
Arsenic	905C1R3	2.60e+1 ug/g	1.23e-2 lbs/hr	CE
Beryllium	905C1R1	ND 1.00e-1 ug/g	4.76e-5 lbs/hr	CE
Beryllium	905C1R2	ND 1.00e-1 ug/g	4.76e-5 lbs/hr	CE
Beryllium	905C1R3	ND 1.00e-1 ug/g	4.74e-5 lbs/hr	CE
Cadmium	905C1R1	1.83e+2 ug/g	8.71e-2 lbs/hr	CE
Cadmium	905C1R2	1.59e+2 ug/g	7.57e-2 lbs/hr	CE
Cadmium	905C1R3	8.50e+1 ug/g	4.03e-2 lbs/hr	CE
Chromium	905C1R1	2.50e+1 ug/g	1.19e-2 lbs/hr	CE
Chromium	905C1R2	2.70e+1 ug/g	1.29e-2 lbs/hr	CE
Chromium	905C1R3	2.20e+1 ug/g	1.04e-2 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VERTAC SUPERFUND SITE
 2. STATE: AR
 3. CITY: JACKSONVILLE EPA ID: ? REGION: 6
 4. EP ID: 914 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: ?

5. Type: SPIKE

6. Description: ORGANICS
 Group: ? Location: ? Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	914C1R1	7.47e+5 ug/g	7.47e+1 lbs/hr	CC
Chlorine	914C1R2	7.47e+5 ug/g	7.47e+1 lbs/hr	CC
Chlorine	914C1R3	7.47e+5 ug/g	7.47e+1 lbs/hr	CC

5. Type: WASTE

6. Description: CONTAMINATED SOIL
 Group: ? Location: ? Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	914C1R1	2.52e+5 ug/g	2.96e+2 lbs/hr	CC
Chlorine	914C1R2	2.28e+5 ug/g	3.81e+2 lbs/hr	CC
Chlorine	914C1R3	2.34e+5 ug/g	3.78e+2 lbs/hr	CC

6. Description: ORGANIC
 Group: ? Location: ? Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	914C1R1	2.60e+5 ug/g	2.44e+2 lbs/hr	CC
Chlorine	914C1R2	2.70e+5 ug/g	1.37e+2 lbs/hr	CC
Chlorine	914C1R3	2.57e+5 ug/g	4.70e+1 lbs/hr	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

5. Type: BLOWDOWN

6. Description:

Group: LIQUID INJECTION

Location: ACS

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	229C1R2	2.00e+0	mg/l	0.00e+0	
Chlorine	229C1R3	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C1R4	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C2R1	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C2R2	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C2R4	ND	1.00e+0 mg/l	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachlorobenzene	229C1R2	9.10e-4	mg/l	0.00e+0	
Hexachlorobenzene	229C1R3	1.16e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C1R4	1.40e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C2R1	5.10e-4	mg/l	0.00e+0	
Hexachlorobenzene	229C2R2	5.47e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C2R4	1.36e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R2	2.10e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R3	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C1R4	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C2R1	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C2R2	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C2R4	ND	2.00e-4 mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	229C1R2	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C1R3	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C1R4	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C2R1	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C2R2	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C2R4	ND	1.00e-3 mg/l	0.00e+0	

6. Description:

Group: LIQUID INJECTION

Location: HCL SCRUBBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	229C1R2	1.58e+5	mg/l	0.00e+0	
Chlorine	229C1R3	1.46e+5	mg/l	0.00e+0	
Chlorine	229C1R4	1.42e+5	mg/l	0.00e+0	
Chlorine	229C2R1	1.83e+5	mg/l	0.00e+0	
Chlorine	229C2R2	1.88e+5	mg/l	0.00e+0	
Chlorine	229C2R4	1.92e+5	mg/l	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Arsenic	229C1R2	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C1R3	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C1R4	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C2R1	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C2R2	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C2R4	ND	5.00e-3 mg/l	0.00e+0	
Cadmium	229C1R2	ND	5.00e-2 mg/l	0.00e+0	
Cadmium	229C1R3	ND	5.00e-2 mg/l	0.00e+0	
Cadmium	229C1R4	ND	5.00e-2 mg/l	0.00e+0	
Cadmium	229C2R1	ND	5.00e-2 mg/l	0.00e+0	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

Cadmium	229C2R2	ND	5.00e-2	mg/l	0.00e+0	
Cadmium	229C2R4		8.60e-1	mg/l	0.00e+0	
Chromium	229C1R2		6.05e-1	mg/l	0.00e+0	
Chromium	229C1R3		5.80e-1	mg/l	0.00e+0	
Chromium	229C1R4		6.10e-1	mg/l	0.00e+0	
Chromium	229C2R1		1.41e+0	mg/l	0.00e+0	
Chromium	229C2R2		1.12e+0	mg/l	0.00e+0	
Chromium	229C2R4	ND	5.00e-3	mg/l	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Hexachlorobenzene	229C1R2		4.21e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C1R3		5.48e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C1R4		5.51e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R1		1.63e-1	mg/l	0.00e+0	
Hexachlorobenzene	229C2R2		7.31e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R4		4.31e-2	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R2	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R3	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R4	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R1		3.60e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R2		4.66e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R4	ND	2.00e-4	mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Carbon Tetrachloride	229C1R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R3	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R4	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R1		1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R4	ND	1.00e-3	mg/l	0.00e+0	

6. Description:

Group: LIQUID INJECTION

Location: CAUSTIC SCRUBBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Chlorine	229C1R2		3.85e+3	mg/l	0.00e+0	
Chlorine	229C1R3		4.73e+3	mg/l	0.00e+0	
Chlorine	229C1R4		5.80e+3	mg/l	0.00e+0	
Chlorine	229C2R1		6.52e+3	mg/l	0.00e+0	
Chlorine	229C2R2		5.08e+3	mg/l	0.00e+0	
Chlorine	229C2R4		6.87e+3	mg/l	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Arsenic	229C1R2	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C1R3	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C1R4	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C2R1	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C2R2	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C2R4	ND	5.00e-3	mg/l	0.00e+0	
Cadmium	229C1R2		1.50e-1	mg/l	0.00e+0	
Cadmium	229C1R3		3.00e-1	mg/l	0.00e+0	
Cadmium	229C1R4		3.90e-1	mg/l	0.00e+0	
Cadmium	229C2R1		2.80e-1	mg/l	0.00e+0	
Cadmium	229C2R2		3.00e-1	mg/l	0.00e+0	
Cadmium	229C2R4		2.30e-1	mg/l	0.00e+0	
Chromium	229C1R2	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C1R3	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C1R4	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C2R1	ND	5.00e-2	mg/l	0.00e+0	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

Chromium	229C2R2	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C2R4	ND	5.00e-2	mg/l	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Hexachlorobenzene	229C1R2		5.83e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C1R3		6.75e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C1R4		6.49e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C2R1		8.76e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R2		1.17e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R4		3.48e-2	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R2	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R3		3.60e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R4	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R1	ND	2.00e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R2	ND	2.00e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R4	ND	2.00e-3	mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Carbon Tetrachloride	229C1R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R3	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R4	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R1	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R4	ND	1.00e-3	mg/l	0.00e+0	

5. Type: WASTE

6. Description: HEXACHLOROBENZENE
 Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Chlorine	229C1R2		8.24e+5	ug/g	5.00e+2 lbs/hr	CE
Chlorine	229C1R3		8.11e+5	ug/g	4.86e+2 lbs/hr	CE
Chlorine	229C1R4		8.11e+5	ug/g	4.83e+2 lbs/hr	CE
Chlorine	229C2R1		8.38e+5	ug/g	6.69e+2 lbs/hr	CE
Chlorine	229C2R2		8.30e+5	ug/g	6.66e+2 lbs/hr	CE
Chlorine	229C2R4		8.07e+5	ug/g	6.52e+2 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Arsenic	229C1R2	ND	2.53e-1	ug/g	1.53e-4 lbs/hr	CE
Arsenic	229C1R3	ND	2.31e-1	ug/g	1.38e-4 lbs/hr	CE
Arsenic	229C1R4	ND	2.66e-1	ug/g	1.58e-4 lbs/hr	CE
Arsenic	229C2R1	ND	3.17e-1	ug/g	2.53e-4 lbs/hr	CE
Arsenic	229C2R2	ND	2.66e-1	ug/g	2.13e-4 lbs/hr	CE
Arsenic	229C2R4	ND	2.53e-1	ug/g	2.04e-4 lbs/hr	CE
Cadmium	229C1R2	ND	4.76e-1	ug/g	2.89e-4 lbs/hr	CE
Cadmium	229C1R3	ND	4.35e-1	ug/g	2.61e-4 lbs/hr	CE
Cadmium	229C1R4	ND	5.00e-1	ug/g	2.98e-4 lbs/hr	CE
Cadmium	229C2R1	ND	5.95e-1	ug/g	4.75e-4 lbs/hr	CE
Cadmium	229C2R2	ND	5.00e-1	ug/g	4.01e-4 lbs/hr	CE
Cadmium	229C2R4	ND	4.76e-1	ug/g	3.84e-4 lbs/hr	CE
Chromium	229C1R2		2.83e+0	ug/g	1.72e-3 lbs/hr	CE
Chromium	229C1R3		2.87e+0	ug/g	1.72e-3 lbs/hr	CE
Chromium	229C1R4		4.70e+0	ug/g	2.80e-3 lbs/hr	CE
Chromium	229C2R1		5.24e+0	ug/g	4.18e-3 lbs/hr	CE
Chromium	229C2R2		6.90e+0	ug/g	5.53e-3 lbs/hr	CE
Chromium	229C2R4		4.76e+0	ug/g	3.84e-3 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Hexachlorobenzene	229C1R2	3.91e+5 ug/g	2.37e+2 lbs/hr	CE
Hexachlorobenzene	229C1R3	3.59e+5 ug/g	2.15e+2 lbs/hr	CE
Hexachlorobenzene	229C1R4	3.78e+5 ug/g	2.25e+2 lbs/hr	CE
Hexachlorobenzene	229C2R1	3.58e+5 ug/g	2.86e+2 lbs/hr	CE
Hexachlorobenzene	229C2R2	2.79e+5 ug/g	2.24e+2 lbs/hr	CE
Hexachlorobenzene	229C2R4	2.98e+5 ug/g	2.41e+2 lbs/hr	CE
Hexachlorobutadiene	229C1R2	2.33e+5 ug/g	1.41e+2 lbs/hr	CE
Hexachlorobutadiene	229C1R3	2.62e+5 ug/g	1.57e+2 lbs/hr	CE
Hexachlorobutadiene	229C1R4	2.80e+5 ug/g	1.67e+2 lbs/hr	CE
Hexachlorobutadiene	229C2R1	2.72e+5 ug/g	2.17e+2 lbs/hr	CE
Hexachlorobutadiene	229C2R2	2.76e+5 ug/g	2.21e+2 lbs/hr	CE
Hexachlorobutadiene	229C2R4	2.63e+5 ug/g	2.12e+2 lbs/hr	CE
Hexachloroethane	229C1R2	3.14e+5 ug/g	1.90e+2 lbs/hr	CE
Hexachloroethane	229C1R3	2.87e+5 ug/g	1.72e+2 lbs/hr	CE
Hexachloroethane	229C1R4	2.80e+5 ug/g	1.67e+2 lbs/hr	CE
Hexachloroethane	229C2R1	2.88e+5 ug/g	2.30e+2 lbs/hr	CE
Hexachloroethane	229C2R2	3.20e+5 ug/g	2.57e+2 lbs/hr	CE
Hexachloroethane	229C2R4	3.32e+5 ug/g	2.68e+2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	229C1R2	1.90e+2 ug/g	1.15e-1 lbs/hr	CE
Carbon Tetrachloride	229C1R3	3.40e+2 ug/g	2.04e-1 lbs/hr	CE
Carbon Tetrachloride	229C1R4	4.90e+2 ug/g	2.92e-1 lbs/hr	CE
Carbon Tetrachloride	229C2R1	3.30e+2 ug/g	2.64e-1 lbs/hr	CE
Carbon Tetrachloride	229C2R2	1.06e+3 ug/g	8.50e-1 lbs/hr	CE
Carbon Tetrachloride	229C2R4	1.09e+3 ug/g	8.80e-1 lbs/hr	CE
Tetrachloroethene	229C1R2	2.65e+4 ug/g	1.61e+1 lbs/hr	CE
Tetrachloroethene	229C1R3	3.50e+4 ug/g	2.10e+1 lbs/hr	CE
Tetrachloroethene	229C1R4	4.13e+4 ug/g	2.46e+1 lbs/hr	CE
Tetrachloroethene	229C2R1	3.53e+4 ug/g	2.82e+1 lbs/hr	CE
Tetrachloroethene	229C2R2	3.58e+4 ug/g	2.87e+1 lbs/hr	CE
Tetrachloroethene	229C2R4	5.26e+4 ug/g	4.25e+1 lbs/hr	CE

6. Description: CARBON TETRACHLORIDE

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	229C1R2	8.71e+5 ug/g	3.70e+1 lbs/hr	CE
Carbon Tetrachloride	229C1R3	9.08e+5 ug/g	3.68e+1 lbs/hr	CE
Carbon Tetrachloride	229C1R4	9.59e+5 ug/g	3.97e+1 lbs/hr	CE
Carbon Tetrachloride	229C2R1	9.78e+5 ug/g	3.86e+1 lbs/hr	CE
Carbon Tetrachloride	229C2R2	9.73e+5 ug/g	4.03e+1 lbs/hr	CE
Carbon Tetrachloride	229C2R4	9.64e+5 ug/g	3.86e+1 lbs/hr	CE

6. Description: VENT GAS

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	229C1R2	1.06e+3 ppmv	0.00e+0	
Chlorine	229C1R3	1.38e+3 ppmv	0.00e+0	
Chlorine	229C1R4	1.49e+3 ppmv	0.00e+0	
Chlorine	229C2R1	1.55e+3 ppmv	0.00e+0	
Chlorine	229C2R2	1.75e+3 ppmv	0.00e+0	
Chlorine	229C2R4	1.75e+3 ppmv	0.00e+0	

6. Description: SPIKED ORGANICS (CCL4,HCB)

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	229C3R1	0.00e+0	5.25e+2 lbs/hr	
Chlorine	229C3R2	0.00e+0	5.30e+2 lbs/hr	
Chlorine	229C4R1	0.00e+0	5.32e+2 lbs/hr	
Chlorine	229C4R2	0.00e+0	5.29e+2 lbs/hr	
Chlorine	229C5R1	8.59e+5 ug/g	8.90e+2 lbs/hr	CC
Chlorine	229C5R2	8.65e+5 ug/g	8.85e+2 lbs/hr	CC
Chlorine	229C6R1	8.61e+5 ug/g	7.29e+2 lbs/hr	CC
Chlorine	229C6R2	8.66e+5 ug/g	7.98e+2 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	229C3R2	ND 0.00e+0	6.08e-6 lbs/hr	
Arsenic	229C4R1	ND 0.00e+0	6.14e-6 lbs/hr	
Arsenic	229C4R2	0.00e+0	9.20e-6 lbs/hr	
Arsenic	229C5R1	9.65e-4 ug/g	1.00e-6 lbs/hr	CC
Arsenic	229C5R2	9.78e-4 ug/g	1.00e-6 lbs/hr	CC
Arsenic	229C6R1	9.68e-3 ug/g	8.20e-6 lbs/hr	CC
Arsenic	229C6R2	2.49e-2 ug/g	2.30e-5 lbs/hr	CC
Cadmium	229C3R2	0.00e+0	1.82e-6 lbs/hr	
Cadmium	229C4R1	0.00e+0	1.84e-6 lbs/hr	
Cadmium	229C4R2	0.00e+0	1.22e-6 lbs/hr	
Cadmium	229C5R1	4.05e-3 ug/g	4.20e-6 lbs/hr	CC
Cadmium	229C5R2	1.96e-3 ug/g	2.00e-6 lbs/hr	CC
Cadmium	229C6R1	1.89e-3 ug/g	1.60e-6 lbs/hr	CC
Cadmium	229C6R2	1.95e-3 ug/g	1.80e-6 lbs/hr	CC
Chromium	229C3R2	0.00e+0	7.30e-4 lbs/hr	
Chromium	229C4R1	0.00e+0	1.50e-3 lbs/hr	
Chromium	229C4R2	ND 0.00e+0	6.10e-5 lbs/hr	
Chromium	229C5R1	4.05e+0 ug/g	4.20e-3 lbs/hr	CC
Chromium	229C5R2	9.78e-3 ug/g	1.00e-5 lbs/hr	CC
Chromium	229C6R1	1.25e+0 ug/g	1.06e-3 lbs/hr	CC
Chromium	229C6R2	4.77e+0 ug/g	4.40e-3 lbs/hr	CC

7. Category: PCB

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
PCBs	229C3R1	0.00e+0	2.07e-1 lbs/hr	
PCBs	229C3R2	0.00e+0	6.70e-2 lbs/hr	
PCBs	229C4R1	0.00e+0	3.90e-2 lbs/hr	
PCBs	229C4R2	0.00e+0	5.30e-2 lbs/hr	
PCBs	229C5R1	4.26e+3 ug/g	4.42e+0 lbs/hr	CC
PCBs	229C5R2	4.28e+3 ug/g	4.38e+0 lbs/hr	CC
PCBs	229C6R1	5.09e+3 ug/g	4.31e+0 lbs/hr	CC
PCBs	229C6R2	3.46e+3 ug/g	3.19e+0 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Hexachlorobenzene	229C3R1	0.00e+0	1.18e+2 lbs/hr	
Hexachlorobenzene	229C3R2	0.00e+0	1.31e+2 lbs/hr	
Hexachlorobenzene	229C4R1	0.00e+0	1.50e+2 lbs/hr	
Hexachlorobenzene	229C4R2	0.00e+0	1.50e+2 lbs/hr	
Hexachlorobenzene	229C5R1	2.61e+5 ug/g	2.70e+2 lbs/hr	CC
Hexachlorobenzene	229C5R2	2.14e+5 ug/g	2.19e+2 lbs/hr	CC
Hexachlorobenzene	229C6R1	2.43e+5 ug/g	2.06e+2 lbs/hr	CC
Hexachlorobenzene	229C6R2	2.17e+5 ug/g	2.00e+2 lbs/hr	CC
Hexachlorobutadiene	229C3R1	0.00e+0	1.21e+2 lbs/hr	
Hexachlorobutadiene	229C3R2	0.00e+0	1.22e+2 lbs/hr	
Hexachlorobutadiene	229C4R1	0.00e+0	1.33e+2 lbs/hr	
Hexachlorobutadiene	229C4R2	0.00e+0	1.31e+2 lbs/hr	
Hexachlorobutadiene	229C5R1	2.34e+5 ug/g	2.43e+2 lbs/hr	CC
Hexachlorobutadiene	229C5R2	2.34e+5 ug/g	2.39e+2 lbs/hr	CC
Hexachlorobutadiene	229C6R1	2.43e+5 ug/g	2.06e+2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

5. Type: BLOWDOWN

6. Description:

Group: LIQUID INJECTION

Location: ACS

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	229C1R2	2.00e+0	mg/l	0.00e+0	
Chlorine	229C1R3	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C1R4	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C2R1	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C2R2	ND	1.00e+0 mg/l	0.00e+0	
Chlorine	229C2R4	ND	1.00e+0 mg/l	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachlorobenzene	229C1R2	9.10e-4	mg/l	0.00e+0	
Hexachlorobenzene	229C1R3	1.16e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C1R4	1.40e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C2R1	5.10e-4	mg/l	0.00e+0	
Hexachlorobenzene	229C2R2	5.47e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C2R4	1.36e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R2	2.10e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R3	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C1R4	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C2R1	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C2R2	ND	2.00e-4 mg/l	0.00e+0	
Hexachlorobutadiene	229C2R4	ND	2.00e-4 mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	229C1R2	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C1R3	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C1R4	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C2R1	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C2R2	ND	1.00e-3 mg/l	0.00e+0	
Carbon Tetrachloride	229C2R4	ND	1.00e-3 mg/l	0.00e+0	

6. Description:

Group: LIQUID INJECTION

Location: HCL SCRUBBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	229C1R2	1.58e+5	mg/l	0.00e+0	
Chlorine	229C1R3	1.46e+5	mg/l	0.00e+0	
Chlorine	229C1R4	1.42e+5	mg/l	0.00e+0	
Chlorine	229C2R1	1.83e+5	mg/l	0.00e+0	
Chlorine	229C2R2	1.88e+5	mg/l	0.00e+0	
Chlorine	229C2R4	1.92e+5	mg/l	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Arsenic	229C1R2	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C1R3	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C1R4	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C2R1	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C2R2	ND	5.00e-3 mg/l	0.00e+0	
Arsenic	229C2R4	ND	5.00e-3 mg/l	0.00e+0	
Cadmium	229C1R2	ND	5.00e-2 mg/l	0.00e+0	
Cadmium	229C1R3	ND	5.00e-2 mg/l	0.00e+0	
Cadmium	229C1R4	ND	5.00e-2 mg/l	0.00e+0	
Cadmium	229C2R1	ND	5.00e-2 mg/l	0.00e+0	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

Cadmium	229C2R2	ND	5.00e-2	mg/l	0.00e+0	
Cadmium	229C2R4		8.60e-1	mg/l	0.00e+0	
Chromium	229C1R2		6.05e-1	mg/l	0.00e+0	
Chromium	229C1R3		5.80e-1	mg/l	0.00e+0	
Chromium	229C1R4		6.10e-1	mg/l	0.00e+0	
Chromium	229C2R1		1.41e+0	mg/l	0.00e+0	
Chromium	229C2R2		1.12e+0	mg/l	0.00e+0	
Chromium	229C2R4	ND	5.00e-3	mg/l	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Hexachlorobenzene	229C1R2		4.21e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C1R3		5.48e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C1R4		5.51e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R1		1.63e-1	mg/l	0.00e+0	
Hexachlorobenzene	229C2R2		7.31e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R4		4.31e-2	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R2	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R3	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R4	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R1		3.60e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R2		4.66e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R4	ND	2.00e-4	mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Carbon Tetrachloride	229C1R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R3	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R4	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R1		1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R4	ND	1.00e-3	mg/l	0.00e+0	

6. Description:

Group: LIQUID INJECTION

Location: CAUSTIC SCRUBBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Chlorine	229C1R2		3.85e+3	mg/l	0.00e+0	
Chlorine	229C1R3		4.73e+3	mg/l	0.00e+0	
Chlorine	229C1R4		5.80e+3	mg/l	0.00e+0	
Chlorine	229C2R1		6.52e+3	mg/l	0.00e+0	
Chlorine	229C2R2		5.08e+3	mg/l	0.00e+0	
Chlorine	229C2R4		6.87e+3	mg/l	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Arsenic	229C1R2	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C1R3	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C1R4	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C2R1	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C2R2	ND	5.00e-3	mg/l	0.00e+0	
Arsenic	229C2R4	ND	5.00e-3	mg/l	0.00e+0	
Cadmium	229C1R2		1.50e-1	mg/l	0.00e+0	
Cadmium	229C1R3		3.00e-1	mg/l	0.00e+0	
Cadmium	229C1R4		3.90e-1	mg/l	0.00e+0	
Cadmium	229C2R1		2.80e-1	mg/l	0.00e+0	
Cadmium	229C2R2		3.00e-1	mg/l	0.00e+0	
Cadmium	229C2R4		2.30e-1	mg/l	0.00e+0	
Chromium	229C1R2	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C1R3	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C1R4	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C2R1	ND	5.00e-2	mg/l	0.00e+0	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

Chromium	229C2R2	ND	5.00e-2	mg/l	0.00e+0	
Chromium	229C2R4	ND	5.00e-2	mg/l	0.00e+0	

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Hexachlorobenzene	229C1R2		5.83e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C1R3		6.75e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C1R4		6.49e-3	mg/l	0.00e+0	
Hexachlorobenzene	229C2R1		8.76e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R2		1.17e-2	mg/l	0.00e+0	
Hexachlorobenzene	229C2R4		3.48e-2	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R2	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R3		3.60e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C1R4	ND	2.00e-4	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R1	ND	2.00e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R2	ND	2.00e-3	mg/l	0.00e+0	
Hexachlorobutadiene	229C2R4	ND	2.00e-3	mg/l	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Carbon Tetrachloride	229C1R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R3	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C1R4	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R1	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R2	ND	1.00e-3	mg/l	0.00e+0	
Carbon Tetrachloride	229C2R4	ND	1.00e-3	mg/l	0.00e+0	

5. Type: WASTE

6. Description: HEXACHLOROBENZENE
 Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Chlorine	229C1R2		8.24e+5	ug/g	5.00e+2 lbs/hr	CE
Chlorine	229C1R3		8.11e+5	ug/g	4.86e+2 lbs/hr	CE
Chlorine	229C1R4		8.11e+5	ug/g	4.83e+2 lbs/hr	CE
Chlorine	229C2R1		8.38e+5	ug/g	6.69e+2 lbs/hr	CE
Chlorine	229C2R2		8.30e+5	ug/g	6.66e+2 lbs/hr	CE
Chlorine	229C2R4		8.07e+5	ug/g	6.52e+2 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Arsenic	229C1R2	ND	2.53e-1	ug/g	1.53e-4 lbs/hr	CE
Arsenic	229C1R3	ND	2.31e-1	ug/g	1.38e-4 lbs/hr	CE
Arsenic	229C1R4	ND	2.66e-1	ug/g	1.58e-4 lbs/hr	CE
Arsenic	229C2R1	ND	3.17e-1	ug/g	2.53e-4 lbs/hr	CE
Arsenic	229C2R2	ND	2.66e-1	ug/g	2.13e-4 lbs/hr	CE
Arsenic	229C2R4	ND	2.53e-1	ug/g	2.04e-4 lbs/hr	CE
Cadmium	229C1R2	ND	4.76e-1	ug/g	2.89e-4 lbs/hr	CE
Cadmium	229C1R3	ND	4.35e-1	ug/g	2.61e-4 lbs/hr	CE
Cadmium	229C1R4	ND	5.00e-1	ug/g	2.98e-4 lbs/hr	CE
Cadmium	229C2R1	ND	5.95e-1	ug/g	4.75e-4 lbs/hr	CE
Cadmium	229C2R2	ND	5.00e-1	ug/g	4.01e-4 lbs/hr	CE
Cadmium	229C2R4	ND	4.76e-1	ug/g	3.84e-4 lbs/hr	CE
Chromium	229C1R2		2.83e+0	ug/g	1.72e-3 lbs/hr	CE
Chromium	229C1R3		2.87e+0	ug/g	1.72e-3 lbs/hr	CE
Chromium	229C1R4		4.70e+0	ug/g	2.80e-3 lbs/hr	CE
Chromium	229C2R1		5.24e+0	ug/g	4.18e-3 lbs/hr	CE
Chromium	229C2R2		6.90e+0	ug/g	5.53e-3 lbs/hr	CE
Chromium	229C2R4		4.76e+0	ug/g	3.84e-3 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Hexachlorobenzene	229C1R2	3.91e+5 ug/g	2.37e+2 lbs/hr	CE
Hexachlorobenzene	229C1R3	3.59e+5 ug/g	2.15e+2 lbs/hr	CE
Hexachlorobenzene	229C1R4	3.78e+5 ug/g	2.25e+2 lbs/hr	CE
Hexachlorobenzene	229C2R1	3.58e+5 ug/g	2.86e+2 lbs/hr	CE
Hexachlorobenzene	229C2R2	2.79e+5 ug/g	2.24e+2 lbs/hr	CE
Hexachlorobenzene	229C2R4	2.98e+5 ug/g	2.41e+2 lbs/hr	CE
Hexachlorobutadiene	229C1R2	2.33e+5 ug/g	1.41e+2 lbs/hr	CE
Hexachlorobutadiene	229C1R3	2.62e+5 ug/g	1.57e+2 lbs/hr	CE
Hexachlorobutadiene	229C1R4	2.80e+5 ug/g	1.67e+2 lbs/hr	CE
Hexachlorobutadiene	229C2R1	2.72e+5 ug/g	2.17e+2 lbs/hr	CE
Hexachlorobutadiene	229C2R2	2.76e+5 ug/g	2.21e+2 lbs/hr	CE
Hexachlorobutadiene	229C2R4	2.63e+5 ug/g	2.12e+2 lbs/hr	CE
Hexachloroethane	229C1R2	3.14e+5 ug/g	1.90e+2 lbs/hr	CE
Hexachloroethane	229C1R3	2.87e+5 ug/g	1.72e+2 lbs/hr	CE
Hexachloroethane	229C1R4	2.80e+5 ug/g	1.67e+2 lbs/hr	CE
Hexachloroethane	229C2R1	2.88e+5 ug/g	2.30e+2 lbs/hr	CE
Hexachloroethane	229C2R2	3.20e+5 ug/g	2.57e+2 lbs/hr	CE
Hexachloroethane	229C2R4	3.32e+5 ug/g	2.68e+2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	229C1R2	1.90e+2 ug/g	1.15e-1 lbs/hr	CE
Carbon Tetrachloride	229C1R3	3.40e+2 ug/g	2.04e-1 lbs/hr	CE
Carbon Tetrachloride	229C1R4	4.90e+2 ug/g	2.92e-1 lbs/hr	CE
Carbon Tetrachloride	229C2R1	3.30e+2 ug/g	2.64e-1 lbs/hr	CE
Carbon Tetrachloride	229C2R2	1.06e+3 ug/g	8.50e-1 lbs/hr	CE
Carbon Tetrachloride	229C2R4	1.09e+3 ug/g	8.80e-1 lbs/hr	CE
Tetrachloroethene	229C1R2	2.65e+4 ug/g	1.61e+1 lbs/hr	CE
Tetrachloroethene	229C1R3	3.50e+4 ug/g	2.10e+1 lbs/hr	CE
Tetrachloroethene	229C1R4	4.13e+4 ug/g	2.46e+1 lbs/hr	CE
Tetrachloroethene	229C2R1	3.53e+4 ug/g	2.82e+1 lbs/hr	CE
Tetrachloroethene	229C2R2	3.58e+4 ug/g	2.87e+1 lbs/hr	CE
Tetrachloroethene	229C2R4	5.26e+4 ug/g	4.25e+1 lbs/hr	CE

6. Description: CARBON TETRACHLORIDE

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	229C1R2	8.71e+5 ug/g	3.70e+1 lbs/hr	CE
Carbon Tetrachloride	229C1R3	9.08e+5 ug/g	3.68e+1 lbs/hr	CE
Carbon Tetrachloride	229C1R4	9.59e+5 ug/g	3.97e+1 lbs/hr	CE
Carbon Tetrachloride	229C2R1	9.78e+5 ug/g	3.86e+1 lbs/hr	CE
Carbon Tetrachloride	229C2R2	9.73e+5 ug/g	4.03e+1 lbs/hr	CE
Carbon Tetrachloride	229C2R4	9.64e+5 ug/g	3.86e+1 lbs/hr	CE

6. Description: VENT GAS

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: GAS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	229C1R2	1.06e+3 ppmv	0.00e+0	
Chlorine	229C1R3	1.38e+3 ppmv	0.00e+0	
Chlorine	229C1R4	1.49e+3 ppmv	0.00e+0	
Chlorine	229C2R1	1.55e+3 ppmv	0.00e+0	
Chlorine	229C2R2	1.75e+3 ppmv	0.00e+0	
Chlorine	229C2R4	1.75e+3 ppmv	0.00e+0	

6. Description: SPIKED ORGANICS (CCL4,HCB)

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	229C3R1	0.00e+0	5.25e+2 lbs/hr	
Chlorine	229C3R2	0.00e+0	5.30e+2 lbs/hr	
Chlorine	229C4R1	0.00e+0	5.32e+2 lbs/hr	
Chlorine	229C4R2	0.00e+0	5.29e+2 lbs/hr	
Chlorine	229C5R1	8.59e+5 ug/g	8.90e+2 lbs/hr	CC
Chlorine	229C5R2	8.65e+5 ug/g	8.85e+2 lbs/hr	CC
Chlorine	229C6R1	8.61e+5 ug/g	7.29e+2 lbs/hr	CC
Chlorine	229C6R2	8.66e+5 ug/g	7.98e+2 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	229C3R2	ND 0.00e+0	6.08e-6 lbs/hr	
Arsenic	229C4R1	ND 0.00e+0	6.14e-6 lbs/hr	
Arsenic	229C4R2	0.00e+0	9.20e-6 lbs/hr	
Arsenic	229C5R1	9.65e-4 ug/g	1.00e-6 lbs/hr	CC
Arsenic	229C5R2	9.78e-4 ug/g	1.00e-6 lbs/hr	CC
Arsenic	229C6R1	9.68e-3 ug/g	8.20e-6 lbs/hr	CC
Arsenic	229C6R2	2.49e-2 ug/g	2.30e-5 lbs/hr	CC
Cadmium	229C3R2	0.00e+0	1.82e-6 lbs/hr	
Cadmium	229C4R1	0.00e+0	1.84e-6 lbs/hr	
Cadmium	229C4R2	0.00e+0	1.22e-6 lbs/hr	
Cadmium	229C5R1	4.05e-3 ug/g	4.20e-6 lbs/hr	CC
Cadmium	229C5R2	1.96e-3 ug/g	2.00e-6 lbs/hr	CC
Cadmium	229C6R1	1.89e-3 ug/g	1.60e-6 lbs/hr	CC
Cadmium	229C6R2	1.95e-3 ug/g	1.80e-6 lbs/hr	CC
Chromium	229C3R2	0.00e+0	7.30e-4 lbs/hr	
Chromium	229C4R1	0.00e+0	1.50e-3 lbs/hr	
Chromium	229C4R2	ND 0.00e+0	6.10e-5 lbs/hr	
Chromium	229C5R1	4.05e+0 ug/g	4.20e-3 lbs/hr	CC
Chromium	229C5R2	9.78e-3 ug/g	1.00e-5 lbs/hr	CC
Chromium	229C6R1	1.25e+0 ug/g	1.06e-3 lbs/hr	CC
Chromium	229C6R2	4.77e+0 ug/g	4.40e-3 lbs/hr	CC

7. Category: PCB

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
PCBs	229C3R1	0.00e+0	2.07e-1 lbs/hr	
PCBs	229C3R2	0.00e+0	6.70e-2 lbs/hr	
PCBs	229C4R1	0.00e+0	3.90e-2 lbs/hr	
PCBs	229C4R2	0.00e+0	5.30e-2 lbs/hr	
PCBs	229C5R1	4.26e+3 ug/g	4.42e+0 lbs/hr	CC
PCBs	229C5R2	4.28e+3 ug/g	4.38e+0 lbs/hr	CC
PCBs	229C6R1	5.09e+3 ug/g	4.31e+0 lbs/hr	CC
PCBs	229C6R2	3.46e+3 ug/g	3.19e+0 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Hexachlorobenzene	229C3R1	0.00e+0	1.18e+2 lbs/hr	
Hexachlorobenzene	229C3R2	0.00e+0	1.31e+2 lbs/hr	
Hexachlorobenzene	229C4R1	0.00e+0	1.50e+2 lbs/hr	
Hexachlorobenzene	229C4R2	0.00e+0	1.50e+2 lbs/hr	
Hexachlorobenzene	229C5R1	2.61e+5 ug/g	2.70e+2 lbs/hr	CC
Hexachlorobenzene	229C5R2	2.14e+5 ug/g	2.19e+2 lbs/hr	CC
Hexachlorobenzene	229C6R1	2.43e+5 ug/g	2.06e+2 lbs/hr	CC
Hexachlorobenzene	229C6R2	2.17e+5 ug/g	2.00e+2 lbs/hr	CC
Hexachlorobutadiene	229C3R1	0.00e+0	1.21e+2 lbs/hr	
Hexachlorobutadiene	229C3R2	0.00e+0	1.22e+2 lbs/hr	
Hexachlorobutadiene	229C4R1	0.00e+0	1.33e+2 lbs/hr	
Hexachlorobutadiene	229C4R2	0.00e+0	1.31e+2 lbs/hr	
Hexachlorobutadiene	229C5R1	2.34e+5 ug/g	2.43e+2 lbs/hr	CC
Hexachlorobutadiene	229C5R2	2.34e+5 ug/g	2.39e+2 lbs/hr	CC
Hexachlorobutadiene	229C6R1	2.43e+5 ug/g	2.06e+2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: VULCAN MATERIALS CO.
 2. STATE: KS
 3. CITY: WICHITA
 4. EP ID: 229 DEVICE NAME:

EPA ID: KSD007482029
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7
 APC SYSTEM: WHB/ACS/HCS/CS

Hexachlorobutadiene	229C6R2	2.32e+5	ug/g	2.14e+2	lbs/hr	CC
Hexachloroethane	229C3R1	0.00e+0		3.40e+2	lbs/hr	
Hexachloroethane	229C3R2	0.00e+0		3.31e+2	lbs/hr	
Hexachloroethane	229C4R1	0.00e+0		3.07e+2	lbs/hr	
Hexachloroethane	229C4R2	0.00e+0		3.01e+2	lbs/hr	
Hexachloroethane	229C5R1	4.33e+5	ug/g	4.49e+2	lbs/hr	CC
Hexachloroethane	229C5R2	4.59e+5	ug/g	4.69e+2	lbs/hr	CC
Hexachloroethane	229C6R1	4.39e+5	ug/g	3.72e+2	lbs/hr	CC
Hexachloroethane	229C6R2	4.83e+5	ug/g	4.45e+2	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	229C3R2	0.00e+0		2.50e+0	lbs/hr	
Carbon Tetrachloride	229C4R1	0.00e+0		3.14e+0	lbs/hr	
Carbon Tetrachloride	229C4R2	0.00e+0		3.90e+0	lbs/hr	
Carbon Tetrachloride	229C5R1	3.20e+4	ug/g	3.32e+1	lbs/hr	CC
Carbon Tetrachloride	229C5R2	3.68e+4	ug/g	3.76e+1	lbs/hr	CC
Carbon Tetrachloride	229C6R1	3.06e+4	ug/g	2.59e+1	lbs/hr	CC
Carbon Tetrachloride	229C6R2	2.59e+4	ug/g	2.39e+1	lbs/hr	CC
Tetrachloroethene	229C3R1	0.00e+0		2.13e+1	lbs/hr	
Tetrachloroethene	229C3R2	0.00e+0		2.20e+1	lbs/hr	
Tetrachloroethene	229C4R1	0.00e+0		2.33e+1	lbs/hr	
Tetrachloroethene	229C4R2	0.00e+0		2.52e+1	lbs/hr	
Tetrachloroethene	229C5R1	3.43e+4	ug/g	3.55e+1	lbs/hr	CC
Tetrachloroethene	229C5R2	5.23e+4	ug/g	5.35e+1	lbs/hr	CC
Tetrachloroethene	229C6R1	3.98e+4	ug/g	3.37e+1	lbs/hr	CC
Tetrachloroethene	229C6R2	3.86e+4	ug/g	3.56e+1	lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

5. Type: FUEL

6. Description: FUEL OIL LANCE
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C5R1	3.96e+3 ug/g	4.00e-2 lbs/hr	CC
Chlorine	222C5R2	3.96e+3 ug/g	2.86e+0 lbs/hr	CC
Chlorine	222C5R3	3.99e+3 ug/g	4.02e+0 lbs/hr	CC
Chlorine	222C5R4	3.98e+3 ug/g	3.04e+0 lbs/hr	CC
Chlorine	222C5R5	4.03e+3 ug/g	4.50e+0 lbs/hr	CC

5. Type: SPIKE

6. Description: METALS (SB)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	222C1R1	5.00e+4 ug/g	8.79e+0 lbs/hr	CC
Antimony	222C1R2	5.00e+4 ug/g	9.96e+0 lbs/hr	CC
Antimony	222C1R3	5.00e+4 ug/g	9.58e+0 lbs/hr	CC

6. Description: METALS (AS)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	222C1R1	2.00e+4 ug/g	3.51e+0 lbs/hr	CC
Arsenic	222C1R2	2.00e+4 ug/g	3.98e+0 lbs/hr	CC
Arsenic	222C1R3	2.00e+4 ug/g	3.83e+0 lbs/hr	CC

6. Description: METALS (CR)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chromium	222C1R1	2.25e+5 ug/g	3.95e+1 lbs/hr	CC
Chromium	222C1R2	2.25e+5 ug/g	4.48e+1 lbs/hr	CC
Chromium	222C1R3	2.25e+5 ug/g	4.31e+1 lbs/hr	CC

6. Description: METALS (CR)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chromium	222C1R1	6.84e+5 ug/g	1.42e+2 lbs/hr	CC
Chromium	222C1R2	6.84e+5 ug/g	1.37e+2 lbs/hr	CC
Chromium	222C1R3	6.84e+5 ug/g	1.28e+2 lbs/hr	CC

6. Description: METALS (BE)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Beryllium	222C1R1	8.18e+3 ug/g	2.60e-1 lbs/hr	CC
Beryllium	222C1R2	8.36e+3 ug/g	2.70e-1 lbs/hr	CC
Beryllium	222C1R3	8.31e+3 ug/g	2.70e-1 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

6. Description: METALS (BE)
 Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Beryllium	222C1R1	8.57e+3 ug/g	3.00e-2 lbs/hr	CC
Beryllium	222C1R2	8.33e+3 ug/g	3.00e-2 lbs/hr	CC
Beryllium	222C1R3	8.33e+3 ug/g	3.00e-2 lbs/hr	CC

6. Description: METALS (CD)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Cadmium	222C1R1	4.00e+4 ug/g	1.04e+1 lbs/hr	CC
Cadmium	222C1R2	4.00e+4 ug/g	1.04e+1 lbs/hr	CC
Cadmium	222C1R3	4.00e+4 ug/g	1.04e+1 lbs/hr	CC

6. Description: METALS (CD)
 Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Cadmium	222C1R1	4.06e+4 ug/g	1.27e+0 lbs/hr	CC
Cadmium	222C1R2	3.99e+4 ug/g	1.28e+0 lbs/hr	CC
Cadmium	222C1R3	4.01e+4 ug/g	1.29e+0 lbs/hr	CC

6. Description: METALS (PB)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Lead	222C1R1	3.60e+5 ug/g	1.01e+2 lbs/hr	CC
Lead	222C1R2	3.60e+5 ug/g	1.00e+2 lbs/hr	CC
Lead	222C1R3	3.60e+5 ug/g	1.00e+2 lbs/hr	CC

6. Description: METALS (HG)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Mercury	222C1R1	1.00e+4 ug/g	1.80e+0 lbs/hr	CC
Mercury	222C1R2	9.99e+3 ug/g	1.79e+0 lbs/hr	CC
Mercury	222C1R3	1.00e+4 ug/g	1.80e+0 lbs/hr	CC

6. Description: METALS (HG)
 Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Mercury	222C1R1	1.00e+4 ug/g	2.00e-1 lbs/hr	CC
Mercury	222C1R2	1.01e+4 ug/g	2.00e-1 lbs/hr	CC
Mercury	222C1R3	1.00e+4 ug/g	2.00e-1 lbs/hr	CC

6. Description: ORGANICS (CCL4,TCE,MCB)
 Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA OHD980613541
 SYSTEM TYPE: COMMERCIAL INCINERATOR

REGION: 5
 APC SYSTEM: WHB/SD/ESP/Q/PBS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C6R1	6.82e+5 ug/g	2.46e+2 lbs/hr	CC
Chlorine	222C6R2	6.82e+5 ug/g	2.46e+2 lbs/hr	CC
Chlorine	222C6R3	6.82e+5 ug/g	2.46e+2 lbs/hr	CC
Chlorine	222C6R4	6.82e+5 ug/g	2.46e+2 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	222C1R1	3.38e+5 ug/g	1.28e+2 lbs/hr	CC
Carbon Tetrachloride	222C1R2	3.33e+5 ug/g	1.19e+2 lbs/hr	CC
Carbon Tetrachloride	222C1R3	3.32e+5 ug/g	1.20e+2 lbs/hr	CC
Carbon Tetrachloride	222C2R1	3.36e+5 ug/g	1.21e+2 lbs/hr	CC
Carbon Tetrachloride	222C2R2	3.36e+5 ug/g	1.22e+2 lbs/hr	CC
Carbon Tetrachloride	222C2R3	3.34e+5 ug/g	1.19e+2 lbs/hr	CC
Carbon Tetrachloride	222C3R1	3.33e+5 ug/g	1.19e+2 lbs/hr	CC
Carbon Tetrachloride	222C3R2	3.45e+5 ug/g	1.20e+2 lbs/hr	CC
Carbon Tetrachloride	222C3R3	3.39e+5 ug/g	1.20e+2 lbs/hr	CC
Carbon Tetrachloride	222C6R1	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Carbon Tetrachloride	222C6R2	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Carbon Tetrachloride	222C6R3	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Carbon Tetrachloride	222C6R4	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Chlorobenzene	222C1R1	3.31e+5 ug/g	1.25e+2 lbs/hr	CC
Chlorobenzene	222C1R2	3.33e+5 ug/g	1.19e+2 lbs/hr	CC
Chlorobenzene	222C1R3	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Chlorobenzene	222C2R1	3.32e+5 ug/g	1.19e+2 lbs/hr	CC
Chlorobenzene	222C2R2	3.32e+5 ug/g	1.20e+2 lbs/hr	CC
Chlorobenzene	222C2R3	3.33e+5 ug/g	1.18e+2 lbs/hr	CC
Chlorobenzene	222C3R1	3.34e+5 ug/g	1.19e+2 lbs/hr	CC
Chlorobenzene	222C3R2	3.11e+5 ug/g	1.08e+2 lbs/hr	CC
Chlorobenzene	222C3R3	3.21e+5 ug/g	1.14e+2 lbs/hr	CC
Chlorobenzene	222C6R1	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Chlorobenzene	222C6R2	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Chlorobenzene	222C6R3	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Chlorobenzene	222C6R4	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C1R1	3.31e+5 ug/g	1.25e+2 lbs/hr	CC
Trichloroethene	222C1R2	3.35e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C1R3	3.35e+5 ug/g	1.21e+2 lbs/hr	CC
Trichloroethene	222C2R1	3.32e+5 ug/g	1.19e+2 lbs/hr	CC
Trichloroethene	222C2R2	3.32e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C2R3	3.33e+5 ug/g	1.18e+2 lbs/hr	CC
Trichloroethene	222C3R1	3.33e+5 ug/g	1.19e+2 lbs/hr	CC
Trichloroethene	222C3R2	3.45e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C3R3	3.39e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C6R1	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C6R2	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C6R3	3.33e+5 ug/g	1.20e+2 lbs/hr	CC
Trichloroethene	222C6R4	3.33e+5 ug/g	1.20e+2 lbs/hr	CC

5. Type: WASTE

6. Description: HIGH BTU
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C6R1	4.25e+4 ug/g	1.32e+2 lbs/hr	CE
Chlorine	222C6R2	1.95e+4 ug/g	7.32e+1 lbs/hr	CE
Chlorine	222C6R3	1.55e+4 ug/g	5.97e+1 lbs/hr	CE
Chlorine	222C6R4	1.25e+4 ug/g	5.84e+1 lbs/hr	CE

6. Description: ORGANIC
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES
 2. STATE: OH
 3. CITY: EAST LIVERPOOL
 4. EP ID: 222 DEVICE NAME:

EPA ID: OHD980613541 REGION: 5
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/SD/ESP/Q/PBS

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C6R1	5.66e+5 ug/g	2.46e+3 lbs/hr	CE
Chlorine	222C6R2	5.66e+5 ug/g	2.75e+3 lbs/hr	CE
Chlorine	222C6R3	5.66e+5 ug/g	2.76e+3 lbs/hr	CE
Chlorine	222C6R4	5.66e+5 ug/g	2.76e+3 lbs/hr	CE

6. Description: SLURRY ORGANIC
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C6R1	4.00e+2 ug/g	3.31e+0 lbs/hr	CE
Chlorine	222C6R2	4.90e+3 ug/g	4.93e+1 lbs/hr	CE
Chlorine	222C6R3	2.00e+3 ug/g	1.95e+1 lbs/hr	CE
Chlorine	222C6R4	1.80e+3 ug/g	1.65e+1 lbs/hr	CE

6. Description: HI BTU

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C5R1	2.30e+5 ug/g	1.43e+3 lbs/hr	CC
Chlorine	222C5R2	5.00e+4 ug/g	3.26e+2 lbs/hr	CC
Chlorine	222C5R3	5.00e+4 ug/g	3.19e+2 lbs/hr	CC
Chlorine	222C5R4	3.83e+4 ug/g	2.64e+2 lbs/hr	CC
Chlorine	222C5R5	3.67e+4 ug/g	1.97e+2 lbs/hr	CC

6. Description: SLURRY

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C5R1	2.70e+5 ug/g	1.10e+3 lbs/hr	CC
Chlorine	222C5R2	5.05e+5 ug/g	1.77e+3 lbs/hr	CC
Chlorine	222C5R3	5.05e+5 ug/g	1.47e+3 lbs/hr	CC
Chlorine	222C5R4	5.05e+5 ug/g	1.70e+3 lbs/hr	CC
Chlorine	222C5R5	5.05e+5 ug/g	1.30e+3 lbs/hr	CC

6. Description: SLUDGE ORGANIC

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	222C6R1	1.49e+4 ug/g	1.20e+2 lbs/hr	CE
Chlorine	222C6R2	1.85e+4 ug/g	1.86e+2 lbs/hr	CE
Chlorine	222C6R3	1.48e+4 ug/g	1.49e+2 lbs/hr	CE
Chlorine	222C6R4	3.10e+3 ug/g	3.01e+1 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: ZENECA
 2. STATE: NJ
 3. CITY: BAYONNE
 4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR EPA ID: NJD001707944 REGION: 2
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/QT

5. Type: WASTE

6. Description: STILL TOPS
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Freon 22	725C1R1	1.00e+6 ug/g	1.73e+1 lbs/hr	CC
Freon 22	725C1R2	1.00e+6 ug/g	1.65e+1 lbs/hr	CC
Freon 22	725C1R3	1.00e+6 ug/g	1.65e+1 lbs/hr	CC
Freon 22	725C2R1	1.00e+6 ug/g	3.55e+1 lbs/hr	CC
Freon 22	725C2R2	1.00e+6 ug/g	3.35e+1 lbs/hr	CC
Freon 22	725C2R3	1.00e+6 ug/g	3.44e+1 lbs/hr	CC

6. Description: STILL BOTTOMS
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1-Dichloroethene	725C2R1	3.21e+4 ug/g	1.60e+0 lbs/hr	CC
1,1-Dichloroethene	725C2R2	3.21e+4 ug/g	1.60e+0 lbs/hr	CC
1,1-Dichloroethene	725C2R3	3.17e+4 ug/g	1.58e+0 lbs/hr	CC
Chlorobenzene	725C1R1	1.10e+5 ug/g	1.60e+0 lbs/hr	CC
Chlorobenzene	725C1R2	1.10e+5 ug/g	1.60e+0 lbs/hr	CC
Chlorobenzene	725C1R3	1.10e+5 ug/g	1.60e+0 lbs/hr	CC
Chlorobenzene	725C2R1	3.17e+4 ug/g	1.58e+0 lbs/hr	CC
Chlorobenzene	725C2R2	3.17e+4 ug/g	1.58e+0 lbs/hr	CC
Chlorobenzene	725C2R3	3.17e+4 ug/g	1.58e+0 lbs/hr	CC
Freon 22	725C1R1	7.58e+5 ug/g	1.10e+1 lbs/hr	CC
Freon 22	725C1R2	7.58e+5 ug/g	1.10e+1 lbs/hr	CC
Freon 22	725C1R3	7.58e+5 ug/g	1.10e+1 lbs/hr	CC
Freon 22	725C2R1	2.25e+5 ug/g	1.12e+1 lbs/hr	CC
Freon 22	725C2R2	2.25e+5 ug/g	1.12e+1 lbs/hr	CC
Freon 22	725C2R3	2.23e+5 ug/g	1.11e+1 lbs/hr	CC
Toluene	725C1R1	1.32e+5 ug/g	1.92e+0 lbs/hr	CC
Toluene	725C1R2	1.32e+5 ug/g	1.92e+0 lbs/hr	CC
Toluene	725C1R3	1.32e+5 ug/g	1.92e+0 lbs/hr	CC

US EPA ARCHIVE DOCUMENT