

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: BURROUGHSWELLCOME

2. STATE: NC

3. CITY: GREENVILLE

EPA ID: NCD047373766

REGION: 4

4. EP ID: 708 DEVICE NAME: MCGILL NO 2 INCIN.

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/ESP

5. Type: WASTE

6. Description: ORGANIC "A"

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	708C1R1	ND	2.44e+3 ug/g	1.45e+0 lbs/hr	CC
Chlorine	708C1R2	ND	2.43e+3 ug/g	1.45e+0 lbs/hr	CC
Chlorine	708C1R3	ND	2.42e+3 ug/g	1.46e+0 lbs/hr	CC
Chlorine	708C2R1	ND	2.42e+3 ug/g	1.47e+0 lbs/hr	CC
Chlorine	708C2R2	ND	2.42e+3 ug/g	1.46e+0 lbs/hr	CC
Chlorine	708C2R3	ND	2.43e+3 ug/g	1.48e+0 lbs/hr	CC
Chlorine	708C3R1	ND	2.43e+3 ug/g	1.58e+0 lbs/hr	CC
Chlorine	708C3R2	ND	2.42e+3 ug/g	1.54e+0 lbs/hr	CC
Chlorine	708C3R3	ND	2.43e+3 ug/g	1.55e+0 lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Mercury	708C1R1	ND	1.00e-1 ug/g	5.95e-5 lbs/hr	CE
Mercury	708C1R2	ND	1.02e-1 ug/g	6.08e-5 lbs/hr	CE
Mercury	708C1R3	ND	1.07e-1 ug/g	6.45e-5 lbs/hr	CE
Mercury	708C2R1	ND	1.07e-1 ug/g	6.51e-5 lbs/hr	CE
Mercury	708C2R2	ND	1.04e-1 ug/g	6.27e-5 lbs/hr	CE
Mercury	708C2R3	ND	1.02e-1 ug/g	6.20e-5 lbs/hr	CE
Mercury	708C3R1	ND	1.07e-1 ug/g	6.95e-5 lbs/hr	CE
Mercury	708C3R2	ND	1.02e-1 ug/g	6.49e-5 lbs/hr	CE
Mercury	708C3R3	ND	1.01e-1 ug/g	6.43e-5 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
1,2-Dichlorobenzene	708C1R1	ND	5.00e+1 ug/g	2.97e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C1R2	ND	5.00e+1 ug/g	2.98e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C1R3	ND	5.00e+1 ug/g	3.01e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C2R1	ND	5.00e+1 ug/g	3.04e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C2R2	ND	5.00e+1 ug/g	3.01e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C2R3	ND	5.00e+1 ug/g	3.04e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C3R1	ND	5.00e+1 ug/g	3.25e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C3R2	ND	5.00e+1 ug/g	3.18e-2 lbs/hr	CE
1,2-Dichlorobenzene	708C3R3	ND	5.00e+1 ug/g	3.19e-2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chloroform	708C1R1	ND	1.00e+2 ug/g	5.95e-2 lbs/hr	CE
Chloroform	708C1R2	ND	1.00e+2 ug/g	5.96e-2 lbs/hr	CE
Chloroform	708C1R3	ND	1.00e+2 ug/g	6.03e-2 lbs/hr	CE
Chloroform	708C2R1	ND	1.00e+1 ug/g	6.08e-3 lbs/hr	CE
Chloroform	708C2R2	ND	1.00e+1 ug/g	6.03e-3 lbs/hr	CE
Chloroform	708C2R3	ND	1.00e+1 ug/g	6.08e-3 lbs/hr	CE
Chloroform	708C3R1	ND	1.00e+1 ug/g	6.50e-3 lbs/hr	CE
Chloroform	708C3R2	ND	1.00e+1 ug/g	6.36e-3 lbs/hr	CE
Chloroform	708C3R3	ND	1.00e+1 ug/g	6.37e-3 lbs/hr	CE

6. Description: ORGANIC "B"

Group: LIQUID INJECTION

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	708C1R1		1.83e+6 ug/g	3.75e+2 lbs/hr	CC
Chlorine	708C1R2		1.83e+6 ug/g	3.76e+2 lbs/hr	CC
Chlorine	708C1R3		1.82e+6 ug/g	3.75e+2 lbs/hr	CC
Chlorine	708C2R1		1.85e+6 ug/g	3.77e+2 lbs/hr	CC
Chlorine	708C2R2		1.84e+6 ug/g	3.76e+2 lbs/hr	CC

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3. CITY: GREENVILLE

EPA ID: NCD047373766

REGION: 4

4. EP ID: 708 DEVICE NAME: MCGILL NO 2 INCIN.

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/ESP

Chlorine	708C2R3	1.83e+6	ug/g	3.75e+2	lbs/hr	CC
Chlorine	708C3R1	1.86e+6	ug/g	3.77e+2	lbs/hr	CC
Chlorine	708C3R2	1.84e+6	ug/g	3.75e+2	lbs/hr	CC
Chlorine	708C3R3	1.83e+6	ug/g	3.78e+2	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Mercury	708C1R1	ND	1.00e-1 ug/g	2.05e-5	lbs/hr	CE
Mercury	708C1R2	ND	1.02e-1 ug/g	2.09e-5	lbs/hr	CE
Mercury	708C1R3	ND	1.07e-1 ug/g	2.20e-5	lbs/hr	CE
Mercury	708C2R1	ND	1.07e-1 ug/g	2.18e-5	lbs/hr	CE
Mercury	708C2R2	ND	1.04e-1 ug/g	2.12e-5	lbs/hr	CE
Mercury	708C2R3	ND	1.02e-1 ug/g	2.09e-5	lbs/hr	CE
Mercury	708C3R1	ND	1.07e-1 ug/g	2.17e-5	lbs/hr	CE
Mercury	708C3R2	ND	1.02e-1 ug/g	2.08e-5	lbs/hr	CE
Mercury	708C3R3	ND	1.01e-1 ug/g	2.08e-5	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
1,2-Dichlorobenzene	708C1R1	2.93e+4	ug/g	6.01e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C1R2	2.95e+4	ug/g	6.05e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C1R3	2.93e+4	ug/g	6.04e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C2R1	2.97e+4	ug/g	6.06e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C2R2	2.95e+4	ug/g	6.02e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C2R3	2.93e+4	ug/g	6.01e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C3R1	2.97e+4	ug/g	6.03e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C3R2	2.94e+4	ug/g	6.00e+0	lbs/hr	CE
1,2-Dichlorobenzene	708C3R3	2.94e+4	ug/g	6.06e+0	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chloroform	708C1R1	9.63e+5	ug/g	1.97e+2	lbs/hr	CE
Chloroform	708C1R2	9.48e+5	ug/g	1.94e+2	lbs/hr	CE
Chloroform	708C1R3	9.47e+5	ug/g	1.95e+2	lbs/hr	CE
Chloroform	708C2R1	9.58e+5	ug/g	1.95e+2	lbs/hr	CE
Chloroform	708C2R2	9.50e+5	ug/g	1.94e+2	lbs/hr	CE
Chloroform	708C2R3	9.50e+5	ug/g	1.95e+2	lbs/hr	CE
Chloroform	708C3R1	9.65e+5	ug/g	1.96e+2	lbs/hr	CE
Chloroform	708C3R2	9.63e+5	ug/g	1.96e+2	lbs/hr	CE
Chloroform	708C3R3	9.56e+5	ug/g	1.97e+2	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CARGILL CHEMICAL PRODUCTS DIVISION
 2. STATE: CA
 3. CITY: LYNWOOD EPA CAD076180843 REGION: 9
 4. EP ID: 709 DEVICE NAME: HIRT COMBUSTION ENG. SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: WASTE

6. Description: SPIKED ORGANICS (CCL4,BENZENE,TCE)
 Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	709C1R1	3.54e+5 ug/g	5.49e+0 lbs/hr	CC
1,1,1-Trichloroethane	709C1R2	3.70e+5 ug/g	5.78e+0 lbs/hr	CC
1,1,1-Trichloroethane	709C1R3	3.66e+5 ug/g	5.79e+0 lbs/hr	CC
Benzene	709C1R1	3.29e+5 ug/g	5.10e+0 lbs/hr	CC
Benzene	709C1R2	3.36e+5 ug/g	5.24e+0 lbs/hr	CC
Benzene	709C1R3	3.41e+5 ug/g	5.40e+0 lbs/hr	CC
Carbon Tetrachloride	709C1R1	2.91e+5 ug/g	4.50e+0 lbs/hr	CC
Carbon Tetrachloride	709C1R2	2.94e+5 ug/g	4.59e+0 lbs/hr	CC
Carbon Tetrachloride	709C1R3	2.94e+5 ug/g	4.65e+0 lbs/hr	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

5. Type: FUEL

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

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	329C1R1	ND 1.95e+0 ug/g	9.00e-4 lbs/hr	CC
Antimony	329C1R2	ND 1.98e+0 ug/g	1.00e-3 lbs/hr	CC
Antimony	329C1R3	ND 1.96e+0 ug/g	1.00e-3 lbs/hr	CC
Antimony	329C1R4	ND 1.98e+0 ug/g	1.00e-3 lbs/hr	CC
Arsenic	329C1R1	ND 4.33e-1 ug/g	2.00e-4 lbs/hr	CC
Arsenic	329C1R2	ND 1.98e-1 ug/g	1.00e-4 lbs/hr	CC
Arsenic	329C1R3	ND 3.92e-1 ug/g	2.00e-4 lbs/hr	CC
Arsenic	329C1R4	ND 3.97e-1 ug/g	2.00e-4 lbs/hr	CC
Barium	329C1R1	4.59e-1 ug/g	2.12e-4 lbs/hr	CC
Barium	329C1R2	4.54e-1 ug/g	2.29e-4 lbs/hr	CC
Barium	329C1R3	4.84e-1 ug/g	2.47e-4 lbs/hr	CC
Barium	329C1R4	6.13e-1 ug/g	3.09e-4 lbs/hr	CC
Beryllium	329C1R1	ND 1.95e-1 ug/g	9.00e-5 lbs/hr	CC
Beryllium	329C1R2	ND 1.98e-1 ug/g	1.00e-4 lbs/hr	CC
Beryllium	329C1R3	ND 1.96e-1 ug/g	1.00e-4 lbs/hr	CC
Beryllium	329C1R4	ND 1.98e-1 ug/g	1.00e-4 lbs/hr	CC
Cadmium	329C1R1	ND 2.16e-1 ug/g	1.00e-4 lbs/hr	CC
Cadmium	329C1R2	ND 3.97e-1 ug/g	2.00e-4 lbs/hr	CC
Cadmium	329C1R3	ND 3.92e-1 ug/g	2.00e-4 lbs/hr	CC
Cadmium	329C1R4	ND 3.97e-1 ug/g	2.00e-4 lbs/hr	CC
Chromium	329C1R1	ND 4.33e-1 ug/g	2.00e-4 lbs/hr	CC
Chromium	329C1R2	ND 5.95e-1 ug/g	3.00e-4 lbs/hr	CC
Chromium	329C1R3	ND 5.88e-1 ug/g	3.00e-4 lbs/hr	CC
Chromium	329C1R4	ND 5.95e-1 ug/g	3.00e-4 lbs/hr	CC
Lead	329C1R1	5.17e-1 ug/g	2.39e-4 lbs/hr	CC
Lead	329C1R2	ND 9.92e-2 ug/g	5.00e-5 lbs/hr	CC
Lead	329C1R3	ND 9.80e-2 ug/g	5.00e-5 lbs/hr	CC
Lead	329C1R4	ND 9.92e-2 ug/g	5.00e-5 lbs/hr	CC
Mercury	329C1R1	ND 1.95e-1 ug/g	9.00e-5 lbs/hr	CC
Mercury	329C1R2	ND 1.98e-1 ug/g	1.00e-4 lbs/hr	CC
Mercury	329C1R3	ND 1.96e-1 ug/g	1.00e-4 lbs/hr	CC
Mercury	329C1R4	ND 1.98e-1 ug/g	1.00e-4 lbs/hr	CC
Silver	329C1R1	ND 4.33e-1 ug/g	2.00e-4 lbs/hr	CC
Silver	329C1R2	ND 5.95e-1 ug/g	3.00e-4 lbs/hr	CC
Silver	329C1R3	ND 5.88e-1 ug/g	3.00e-4 lbs/hr	CC
Silver	329C1R4	ND 5.95e-1 ug/g	3.00e-4 lbs/hr	CC
Thallium	329C1R1	ND 4.33e+0 ug/g	2.00e-3 lbs/hr	CC
Thallium	329C1R2	ND 3.97e+0 ug/g	2.00e-3 lbs/hr	CC
Thallium	329C1R3	ND 3.92e+0 ug/g	2.00e-3 lbs/hr	CC
Thallium	329C1R4	ND 3.97e+0 ug/g	2.00e-3 lbs/hr	CC

5. Type: SPIKE

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	5.86e+5 ug/g	5.84e+2 lbs/hr	CE
Chlorine	329C1R2	5.86e+5 ug/g	4.22e+2 lbs/hr	CE
Chlorine	329C1R3	5.86e+5 ug/g	3.94e+2 lbs/hr	CE
Chlorine	329C1R4	5.86e+5 ug/g	4.22e+2 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,3-Trichlorobenzene	329C1R1	9.96e+5 ug/g	9.92e+2 lbs/hr	CC
1,2,3-Trichlorobenzene	329C1R2	1.00e+6 ug/g	7.20e+2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

1,2,3-Trichlorobenzene	329C1R3	1.00e+6	ug/g	6.72e+2	lbs/hr	CC
1,2,3-Trichlorobenzene	329C1R4	1.00e+6	ug/g	7.20e+2	lbs/hr	CC

6. Description: METALS (AS,CD,CR,HG,PB)
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	329C1R1	0.00e+0	4.08e-1 lbs/hr	
Arsenic	329C1R2	0.00e+0	2.86e-1 lbs/hr	
Arsenic	329C1R3	0.00e+0	2.69e-1 lbs/hr	
Arsenic	329C1R4	0.00e+0	2.96e-1 lbs/hr	
Barium	329C1R1	0.00e+0	2.50e-1 lbs/hr	
Barium	329C1R2	0.00e+0	1.75e-1 lbs/hr	
Barium	329C1R3	0.00e+0	1.65e-1 lbs/hr	
Barium	329C1R4	0.00e+0	1.81e-1 lbs/hr	
Cadmium	329C1R1	0.00e+0	6.46e-1 lbs/hr	
Cadmium	329C1R2	0.00e+0	4.52e-1 lbs/hr	
Cadmium	329C1R3	0.00e+0	4.26e-1 lbs/hr	
Cadmium	329C1R4	0.00e+0	4.69e-1 lbs/hr	
Chromium	329C1R1	0.00e+0	1.02e+0 lbs/hr	
Chromium	329C1R2	0.00e+0	7.12e-1 lbs/hr	
Chromium	329C1R3	0.00e+0	6.70e-1 lbs/hr	
Chromium	329C1R4	0.00e+0	7.37e-1 lbs/hr	
Lead	329C1R1	0.00e+0	3.83e+0 lbs/hr	
Lead	329C1R2	0.00e+0	2.68e+0 lbs/hr	
Lead	329C1R3	0.00e+0	2.53e+0 lbs/hr	
Lead	329C1R4	0.00e+0	2.78e+0 lbs/hr	
Mercury	329C1R1	0.00e+0	3.86e-2 lbs/hr	
Mercury	329C1R2	0.00e+0	2.70e-2 lbs/hr	
Mercury	329C1R3	0.00e+0	2.54e-2 lbs/hr	
Mercury	329C1R4	0.00e+0	2.80e-2 lbs/hr	

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

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R6	6.57e+5 ug/g	4.89e+2 lbs/hr	
Chlorine	329C1R8	6.57e+5 ug/g	5.21e+2 lbs/hr	

6. Description: ORGANICS (CARBON TETRACHLORIDE)
 Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R6	9.22e+5 ug/g	5.04e+2 lbs/hr	
Chlorine	329C1R8	9.22e+5 ug/g	5.29e+2 lbs/hr	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	329C1R6	1.00e+6 ug/g	5.46e+2 lbs/hr	
Carbon Tetrachloride	329C1R8	1.00e+6 ug/g	5.74e+2 lbs/hr	

5. Type: WASTE

6. Description: ORGANIC
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

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 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	1.57e+5 ug/g	1.28e+2 lbs/hr	CE
Chlorine	329C1R2	1.62e+5 ug/g	1.31e+2 lbs/hr	CE
Chlorine	329C1R3	1.47e+5 ug/g	1.26e+2 lbs/hr	CE
Chlorine	329C1R4	1.56e+5 ug/g	1.29e+2 lbs/hr	CE
Chlorine	329C1R6	1.57e+5 ug/g	1.24e+2 lbs/hr	
Chlorine	329C1R8	1.50e+5 ug/g	1.13e+2 lbs/hr	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	329C1R1	ND 2.45e+0 ug/g	2.00e-3 lbs/hr	CC
Antimony	329C1R2	ND 2.47e+0 ug/g	2.00e-3 lbs/hr	CC
Antimony	329C1R3	ND 2.33e+0 ug/g	2.00e-3 lbs/hr	CC
Antimony	329C1R4	ND 2.42e+0 ug/g	2.00e-3 lbs/hr	CC
Arsenic	329C1R1	ND 2.45e-1 ug/g	2.00e-4 lbs/hr	CC
Arsenic	329C1R2	ND 2.47e-1 ug/g	2.00e-4 lbs/hr	CC
Arsenic	329C1R3	ND 1.97e-1 ug/g	1.69e-4 lbs/hr	CC
Arsenic	329C1R4	ND 2.42e-1 ug/g	2.00e-4 lbs/hr	CC
Barium	329C1R1	5.88e-1 ug/g	4.80e-4 lbs/hr	CC
Barium	329C1R2	4.57e-1 ug/g	3.70e-4 lbs/hr	CC
Barium	329C1R3	5.24e-1 ug/g	4.50e-4 lbs/hr	CC
Barium	329C1R4	ND 3.62e-1 ug/g	3.00e-4 lbs/hr	CC
Beryllium	329C1R1	ND 2.45e-1 ug/g	2.00e-4 lbs/hr	CC
Beryllium	329C1R2	ND 2.47e-1 ug/g	2.00e-4 lbs/hr	CC
Beryllium	329C1R3	ND 2.33e-1 ug/g	2.00e-4 lbs/hr	CC
Beryllium	329C1R4	ND 2.42e-1 ug/g	2.00e-4 lbs/hr	CC
Cadmium	329C1R1	ND 2.45e-1 ug/g	2.00e-4 lbs/hr	CC
Cadmium	329C1R2	ND 2.47e-1 ug/g	2.00e-4 lbs/hr	CC
Cadmium	329C1R3	ND 3.50e-1 ug/g	3.00e-4 lbs/hr	CC
Cadmium	329C1R4	ND 2.42e-1 ug/g	2.00e-4 lbs/hr	CC
Chromium	329C1R1	6.75e-1 ug/g	5.51e-4 lbs/hr	CC
Chromium	329C1R2	ND 4.94e+0 ug/g	4.00e-3 lbs/hr	CC
Chromium	329C1R3	1.05e+0 ug/g	9.01e-4 lbs/hr	CC
Chromium	329C1R4	ND 4.83e-1 ug/g	4.00e-4 lbs/hr	CC
Lead	329C1R1	6.69e-1 ug/g	5.46e-4 lbs/hr	CC
Lead	329C1R2	4.99e-1 ug/g	4.04e-4 lbs/hr	CC
Lead	329C1R3	6.31e-1 ug/g	5.41e-4 lbs/hr	CC
Lead	329C1R4	7.23e-1 ug/g	5.99e-4 lbs/hr	CC
Mercury	329C1R1	ND 2.45e-1 ug/g	2.00e-4 lbs/hr	CC
Mercury	329C1R2	ND 2.47e-1 ug/g	2.00e-4 lbs/hr	CC
Mercury	329C1R3	ND 2.33e-1 ug/g	2.00e-4 lbs/hr	CC
Mercury	329C1R4	ND 2.42e-1 ug/g	2.00e-4 lbs/hr	CC
Silver	329C1R1	ND 4.90e-1 ug/g	4.00e-4 lbs/hr	CC
Silver	329C1R2	ND 4.94e-1 ug/g	4.00e-4 lbs/hr	CC
Silver	329C1R3	7.67e-1 ug/g	6.58e-4 lbs/hr	CC
Silver	329C1R4	ND 4.83e-1 ug/g	4.00e-4 lbs/hr	CC
Thallium	329C1R1	ND 3.68e+0 ug/g	3.00e-3 lbs/hr	CC
Thallium	329C1R2	ND 3.70e+0 ug/g	3.00e-3 lbs/hr	CC
Thallium	329C1R3	ND 3.50e+0 ug/g	3.00e-3 lbs/hr	CC
Thallium	329C1R4	ND 3.62e+0 ug/g	3.00e-3 lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	329C1R6	ND 2.90e+3 ug/g	2.28e+0 lbs/hr	CE
Carbon Tetrachloride	329C1R8	ND 2.90e+3 ug/g	2.17e+0 lbs/hr	CE
Tetrachloroethene	329C1R1	1.93e+5 ug/g	1.57e+2 lbs/hr	CC
Tetrachloroethene	329C1R2	1.86e+5 ug/g	1.51e+2 lbs/hr	CC
Tetrachloroethene	329C1R3	1.91e+5 ug/g	1.64e+2 lbs/hr	CC
Tetrachloroethene	329C1R4	2.00e+5 ug/g	1.65e+2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

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	329C1R1	1.36e+5	ug/g	8.05e+2 lbs/hr	CE
Chlorine	329C1R2	1.51e+5	ug/g	8.41e+2 lbs/hr	CE
Chlorine	329C1R3	1.66e+5	ug/g	9.75e+2 lbs/hr	CE
Chlorine	329C1R4	2.35e+5	ug/g	1.35e+3 lbs/hr	CE
Chlorine	329C1R6	2.66e+5	ug/g	1.62e+3 lbs/hr	
Chlorine	329C1R8	2.66e+5	ug/g	1.49e+3 lbs/hr	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	329C1R1	ND	1.69e+0 ug/g	1.00e-2 lbs/hr	CC
Antimony	329C1R2	ND	1.79e+0 ug/g	1.00e-2 lbs/hr	CC
Antimony	329C1R3	ND	1.70e+0 ug/g	1.00e-2 lbs/hr	CC
Antimony	329C1R4	ND	1.74e+0 ug/g	1.00e-2 lbs/hr	CC
Arsenic	329C1R1	ND	1.94e-1 ug/g	1.15e-3 lbs/hr	CC
Arsenic	329C1R2	ND	1.94e-1 ug/g	1.08e-3 lbs/hr	CC
Arsenic	329C1R3	ND	1.99e-1 ug/g	1.17e-3 lbs/hr	CC
Arsenic	329C1R4	ND	1.74e-1 ug/g	1.00e-3 lbs/hr	CC
Barium	329C1R1		1.64e+0 ug/g	9.70e-3 lbs/hr	CC
Barium	329C1R2		1.03e+0 ug/g	5.75e-3 lbs/hr	CC
Barium	329C1R3		1.07e+0 ug/g	6.29e-3 lbs/hr	CC
Barium	329C1R4		1.75e+0 ug/g	1.01e-2 lbs/hr	CC
Beryllium	329C1R1	ND	1.69e-1 ug/g	1.00e-3 lbs/hr	CC
Beryllium	329C1R2	ND	1.79e-1 ug/g	1.00e-3 lbs/hr	CC
Beryllium	329C1R3	ND	1.70e-1 ug/g	1.00e-3 lbs/hr	CC
Beryllium	329C1R4	ND	1.74e-1 ug/g	1.00e-3 lbs/hr	CC
Cadmium	329C1R1	ND	3.38e-1 ug/g	2.00e-3 lbs/hr	CC
Cadmium	329C1R2	ND	3.58e-1 ug/g	2.00e-3 lbs/hr	CC
Cadmium	329C1R3	ND	3.40e-1 ug/g	2.00e-3 lbs/hr	CC
Cadmium	329C1R4	ND	3.47e-1 ug/g	2.00e-3 lbs/hr	CC
Chromium	329C1R1	ND	5.07e-1 ug/g	3.00e-3 lbs/hr	CC
Chromium	329C1R2	ND	5.38e-1 ug/g	3.00e-3 lbs/hr	CC
Chromium	329C1R3	ND	5.10e-1 ug/g	3.00e-3 lbs/hr	CC
Chromium	329C1R4		6.30e-1 ug/g	3.63e-3 lbs/hr	CC
Lead	329C1R1		2.97e+0 ug/g	1.76e-2 lbs/hr	CC
Lead	329C1R2		1.62e+0 ug/g	9.04e-3 lbs/hr	CC
Lead	329C1R3		1.64e+0 ug/g	9.64e-3 lbs/hr	CC
Lead	329C1R4		2.31e+0 ug/g	1.33e-2 lbs/hr	CC
Mercury	329C1R1	ND	3.90e-1 ug/g	2.31e-3 lbs/hr	CC
Mercury	329C1R2	ND	1.79e-1 ug/g	1.00e-3 lbs/hr	CC
Mercury	329C1R3	ND	3.40e-1 ug/g	2.00e-3 lbs/hr	CC
Mercury	329C1R4	ND	1.74e-1 ug/g	1.00e-3 lbs/hr	CC
Silver	329C1R1	ND	5.07e-1 ug/g	3.00e-3 lbs/hr	CC
Silver	329C1R2	ND	5.38e-1 ug/g	3.00e-3 lbs/hr	CC
Silver	329C1R3	ND	5.10e-1 ug/g	3.00e-3 lbs/hr	CC
Silver	329C1R4	ND	5.21e-1 ug/g	3.00e-3 lbs/hr	CC
Thallium	329C1R1	ND	3.38e+0 ug/g	2.00e-2 lbs/hr	CC
Thallium	329C1R2	ND	3.58e+0 ug/g	2.00e-2 lbs/hr	CC
Thallium	329C1R3	ND	3.40e+0 ug/g	2.00e-2 lbs/hr	CC
Thallium	329C1R4	ND	3.47e+0 ug/g	2.00e-2 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
1,2,3-Trichlorobenzene	329C1R1	1.41e+4	ug/g	8.33e+1 lbs/hr	CC
1,2,3-Trichlorobenzene	329C1R2	1.49e+4	ug/g	8.33e+1 lbs/hr	CC
1,2,3-Trichlorobenzene	329C1R3	1.40e+4	ug/g	8.20e+1 lbs/hr	CC
1,2,3-Trichlorobenzene	329C1R4	8.04e+3	ug/g	4.63e+1 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Carbon Tetrachloride	329C1R3	1.90e+4 ug/g	1.12e+2 lbs/hr	CC
Carbon Tetrachloride	329C1R4	8.52e+4 ug/g	4.91e+2 lbs/hr	CC
Carbon Tetrachloride	329C1R6	5.99e+3 ug/g	3.64e+1 lbs/hr	CC
Carbon Tetrachloride	329C1R8	6.20e+3 ug/g	3.47e+1 lbs/hr	CC
Tetrachloroethene	329C1R1	6.04e+2 ug/g	3.57e+0 lbs/hr	CC
Tetrachloroethene	329C1R2	4.98e+2 ug/g	2.78e+0 lbs/hr	CC
Tetrachloroethene	329C1R3	1.58e+4 ug/g	9.30e+1 lbs/hr	CC
Tetrachloroethene	329C1R4	1.11e+5 ug/g	6.39e+2 lbs/hr	CC

6. Description: ALTERNATE ENERGY

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	9.70e+3 ug/g	7.57e+0 lbs/hr	CE
Chlorine	329C1R2	9.90e+3 ug/g	3.56e+0 lbs/hr	CE
Chlorine	329C1R3	1.12e+4 ug/g	8.13e+0 lbs/hr	CE
Chlorine	329C1R4	1.16e+4 ug/g	6.26e+0 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	329C1R1	9.77e+1 ug/g	7.62e-2 lbs/hr	CC
Antimony	329C1R2	6.47e+1 ug/g	2.33e-2 lbs/hr	CC
Antimony	329C1R3	2.51e+1 ug/g	1.82e-2 lbs/hr	CC
Antimony	329C1R4	1.14e+2 ug/g	6.16e-2 lbs/hr	CC
Arsenic	329C1R1	4.26e+0 ug/g	3.32e-3 lbs/hr	CC
Arsenic	329C1R2	1.26e+1 ug/g	4.54e-3 lbs/hr	CC
Arsenic	329C1R3	3.72e+0 ug/g	2.70e-3 lbs/hr	CC
Arsenic	329C1R4	3.04e+0 ug/g	1.64e-3 lbs/hr	CC
Barium	329C1R1	4.97e+3 ug/g	3.88e+0 lbs/hr	CC
Barium	329C1R2	5.08e+3 ug/g	1.83e+0 lbs/hr	CC
Barium	329C1R3	4.33e+3 ug/g	3.14e+0 lbs/hr	CC
Barium	329C1R4	3.98e+3 ug/g	2.15e+0 lbs/hr	CC
Beryllium	329C1R1	2.62e-1 ug/g	2.04e-4 lbs/hr	CC
Beryllium	329C1R2	2.58e-1 ug/g	9.30e-5 lbs/hr	CC
Beryllium	329C1R3	2.75e-1 ug/g	2.00e-4 lbs/hr	CC
Beryllium	329C1R4	ND	1.00e-4 lbs/hr	CC
Cadmium	329C1R1	1.37e+1 ug/g	1.07e-2 lbs/hr	CC
Cadmium	329C1R2	1.86e+1 ug/g	6.70e-3 lbs/hr	CC
Cadmium	329C1R3	2.04e+1 ug/g	1.48e-2 lbs/hr	CC
Cadmium	329C1R4	1.11e+1 ug/g	5.99e-3 lbs/hr	CC
Chromium	329C1R1	8.03e+2 ug/g	6.26e-1 lbs/hr	CC
Chromium	329C1R2	8.28e+2 ug/g	2.98e-1 lbs/hr	CC
Chromium	329C1R3	6.78e+2 ug/g	4.92e-1 lbs/hr	CC
Chromium	329C1R4	6.48e+2 ug/g	3.50e-1 lbs/hr	CC
Lead	329C1R1	2.59e+3 ug/g	2.02e+0 lbs/hr	CC
Lead	329C1R2	2.28e+3 ug/g	8.20e-1 lbs/hr	CC
Lead	329C1R3	1.49e+3 ug/g	1.08e+0 lbs/hr	CC
Lead	329C1R4	2.07e+3 ug/g	1.12e+0 lbs/hr	CC
Mercury	329C1R1	2.18e+0 ug/g	1.70e-3 lbs/hr	CC
Mercury	329C1R2	6.67e+0 ug/g	2.40e-3 lbs/hr	CC
Mercury	329C1R3	4.23e+0 ug/g	3.07e-3 lbs/hr	CC
Mercury	329C1R4	4.89e-1 ug/g	2.64e-4 lbs/hr	CC
Silver	329C1R1	1.53e+0 ug/g	1.19e-3 lbs/hr	CC
Silver	329C1R2	2.08e+0 ug/g	7.50e-4 lbs/hr	CC
Silver	329C1R3	1.01e+0 ug/g	7.30e-4 lbs/hr	CC
Silver	329C1R4	1.66e+0 ug/g	8.96e-4 lbs/hr	CC
Thallium	329C1R1	3.06e+1 ug/g	2.39e-2 lbs/hr	CC
Thallium	329C1R2	3.17e+1 ug/g	1.14e-2 lbs/hr	CC
Thallium	329C1R3	2.82e+1 ug/g	2.05e-2 lbs/hr	CC
Thallium	329C1R4	2.26e+1 ug/g	1.22e-2 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	1.00e+1 ug/g	1.20e-2 lbs/hr	CE
Chlorine	329C1R2	1.20e+1 ug/g	8.28e-3 lbs/hr	CE
Chlorine	329C1R3	2.60e+1 ug/g	1.92e-2 lbs/hr	CE
Chlorine	329C1R4	2.70e+1 ug/g	2.01e-2 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	329C1R1	ND 1.67e+0 ug/g	2.00e-3 lbs/hr	CC
Antimony	329C1R2	ND 2.90e+0 ug/g	2.00e-3 lbs/hr	CC
Antimony	329C1R3	2.25e+0 ug/g	1.66e-3 lbs/hr	CC
Antimony	329C1R4	ND 1.34e+0 ug/g	1.00e-3 lbs/hr	CC
Arsenic	329C1R1	4.58e+0 ug/g	5.50e-3 lbs/hr	CC
Arsenic	329C1R2	3.48e-1 ug/g	2.40e-4 lbs/hr	CC
Arsenic	329C1R3	3.93e+0 ug/g	2.90e-3 lbs/hr	CC
Arsenic	329C1R4	5.15e+0 ug/g	3.83e-3 lbs/hr	CC
Barium	329C1R1	3.85e+1 ug/g	4.62e-2 lbs/hr	CC
Barium	329C1R2	5.43e+1 ug/g	3.75e-2 lbs/hr	CC
Barium	329C1R3	3.90e+1 ug/g	2.88e-2 lbs/hr	CC
Barium	329C1R4	4.58e+1 ug/g	3.41e-2 lbs/hr	CC
Beryllium	329C1R1	3.44e-1 ug/g	4.13e-4 lbs/hr	CC
Beryllium	329C1R2	3.91e-1 ug/g	2.70e-4 lbs/hr	CC
Beryllium	329C1R3	4.02e-1 ug/g	2.97e-4 lbs/hr	CC
Beryllium	329C1R4	3.00e-1 ug/g	2.23e-4 lbs/hr	CC
Cadmium	329C1R1	1.03e+0 ug/g	1.24e-3 lbs/hr	CC
Cadmium	329C1R2	8.84e-1 ug/g	6.10e-4 lbs/hr	CC
Cadmium	329C1R3	2.33e+0 ug/g	1.72e-3 lbs/hr	CC
Cadmium	329C1R4	8.45e-1 ug/g	6.29e-4 lbs/hr	CC
Chromium	329C1R1	2.74e+1 ug/g	3.29e-2 lbs/hr	CC
Chromium	329C1R2	3.90e+1 ug/g	2.69e-2 lbs/hr	CC
Chromium	329C1R3	1.15e+1 ug/g	8.49e-3 lbs/hr	CC
Chromium	329C1R4	1.04e+1 ug/g	7.74e-3 lbs/hr	CC
Lead	329C1R1	7.72e+1 ug/g	9.26e-2 lbs/hr	CC
Lead	329C1R2	7.39e+1 ug/g	5.10e-2 lbs/hr	CC
Lead	329C1R3	3.70e+1 ug/g	2.73e-2 lbs/hr	CC
Lead	329C1R4	3.27e+1 ug/g	2.43e-2 lbs/hr	CC
Mercury	329C1R1	ND 3.33e-1 ug/g	4.00e-4 lbs/hr	CC
Mercury	329C1R2	ND 2.90e-1 ug/g	2.00e-4 lbs/hr	CC
Mercury	329C1R3	ND 4.07e-1 ug/g	3.00e-4 lbs/hr	CC
Mercury	329C1R4	ND 4.03e-1 ug/g	3.00e-4 lbs/hr	CC
Silver	329C1R1	2.18e+0 ug/g	2.62e-3 lbs/hr	CC
Silver	329C1R2	1.70e+0 ug/g	1.17e-3 lbs/hr	CC
Silver	329C1R3	3.74e+0 ug/g	2.76e-3 lbs/hr	CC
Silver	329C1R4	1.40e+0 ug/g	1.04e-3 lbs/hr	CC
Thallium	329C1R1	1.98e+1 ug/g	2.38e-2 lbs/hr	CC
Thallium	329C1R2	2.23e+1 ug/g	1.54e-2 lbs/hr	CC
Thallium	329C1R3	3.56e+1 ug/g	2.63e-2 lbs/hr	CC
Thallium	329C1R4	1.55e+1 ug/g	1.15e-2 lbs/hr	CC

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	8.06e+2 ug/g	4.45e-2 lbs/hr	CE
Chlorine	329C1R2	1.30e+4 ug/g	3.48e-1 lbs/hr	CE
Chlorine	329C1R3	3.29e+4 ug/g	8.29e-1 lbs/hr	CE
Chlorine	329C1R4	4.00e+3 ug/g	2.98e-1 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	329C1R1	ND	1.81e+0 ug/g	1.00e-4 lbs/hr	CC
Antimony	329C1R2	ND	3.74e+0 ug/g	1.00e-4 lbs/hr	CC
Antimony	329C1R3		3.97e+0 ug/g	1.00e-4 lbs/hr	CC
Antimony	329C1R4		3.02e+0 ug/g	2.25e-4 lbs/hr	CC
Arsenic	329C1R1		1.99e-1 ug/g	1.10e-5 lbs/hr	CC
Arsenic	329C1R2		7.47e-1 ug/g	2.00e-5 lbs/hr	CC
Arsenic	329C1R3		6.98e+1 ug/g	1.76e-3 lbs/hr	CC
Arsenic	329C1R4		3.92e+0 ug/g	2.92e-4 lbs/hr	CC
Barium	329C1R1		3.96e+0 ug/g	2.19e-4 lbs/hr	CC
Barium	329C1R2		7.51e+0 ug/g	2.01e-4 lbs/hr	CC
Barium	329C1R3		9.60e+0 ug/g	2.42e-4 lbs/hr	CC
Barium	329C1R4		4.62e+0 ug/g	3.44e-4 lbs/hr	CC
Beryllium	329C1R1	ND	1.81e-1 ug/g	1.00e-5 lbs/hr	CC
Beryllium	329C1R2	ND	3.74e-1 ug/g	1.00e-5 lbs/hr	CC
Beryllium	329C1R3	ND	3.97e-1 ug/g	1.00e-5 lbs/hr	CC
Beryllium	329C1R4	ND	1.34e-1 ug/g	1.00e-5 lbs/hr	CC
Cadmium	329C1R1	ND	3.62e-1 ug/g	2.00e-5 lbs/hr	CC
Cadmium	329C1R2		7.10e-1 ug/g	1.90e-5 lbs/hr	CC
Cadmium	329C1R3		2.02e+0 ug/g	5.10e-5 lbs/hr	CC
Cadmium	329C1R4		7.93e-1 ug/g	5.90e-5 lbs/hr	CC
Chromium	329C1R1		6.79e+0 ug/g	3.75e-4 lbs/hr	CC
Chromium	329C1R2		1.05e+1 ug/g	2.81e-4 lbs/hr	CC
Chromium	329C1R3		3.40e+1 ug/g	8.57e-4 lbs/hr	CC
Chromium	329C1R4		1.25e+1 ug/g	9.30e-4 lbs/hr	CC
Lead	329C1R1		5.28e+0 ug/g	2.92e-4 lbs/hr	CC
Lead	329C1R2		5.23e+0 ug/g	1.40e-4 lbs/hr	CC
Lead	329C1R3		7.14e+1 ug/g	1.80e-3 lbs/hr	CC
Lead	329C1R4		4.45e+0 ug/g	3.31e-4 lbs/hr	CC
Mercury	329C1R1	ND	1.81e-1 ug/g	1.00e-5 lbs/hr	CC
Mercury	329C1R2		5.61e-1 ug/g	1.50e-5 lbs/hr	CC
Mercury	329C1R3	ND	2.38e-1 ug/g	6.00e-6 lbs/hr	CC
Mercury	329C1R4	ND	2.69e-1 ug/g	2.00e-5 lbs/hr	CC
Silver	329C1R1	ND	5.43e-1 ug/g	3.00e-5 lbs/hr	CC
Silver	329C1R2		5.23e-1 ug/g	1.40e-5 lbs/hr	CC
Silver	329C1R3		1.51e+0 ug/g	3.80e-5 lbs/hr	CC
Silver	329C1R4		9.01e-1 ug/g	6.70e-5 lbs/hr	CC
Thallium	329C1R1		4.31e+0 ug/g	2.38e-4 lbs/hr	CC
Thallium	329C1R2		1.36e+1 ug/g	3.64e-4 lbs/hr	CC
Thallium	329C1R3		3.06e+1 ug/g	7.71e-4 lbs/hr	CC
Thallium	329C1R4		1.59e+1 ug/g	1.18e-3 lbs/hr	CC

6. Description: HONEYWELL
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	329C1R2		1.19e+2 ug/g	2.04e-2 lbs/hr	CE
Chlorine	329C1R4		8.40e+1 ug/g	8.92e-3 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	329C1R2	ND	1.75e+1 ug/g	3.00e-3 lbs/hr	CC
Antimony	329C1R4	ND	3.77e+0 ug/g	4.00e-4 lbs/hr	CC
Arsenic	329C1R2		1.22e+0 ug/g	2.10e-4 lbs/hr	CC
Arsenic	329C1R4		1.48e+0 ug/g	1.57e-4 lbs/hr	CC
Barium	329C1R2		9.21e+1 ug/g	1.58e-2 lbs/hr	CC
Barium	329C1R4		2.52e+1 ug/g	2.68e-3 lbs/hr	CC
Beryllium	329C1R2	ND	1.75e+0 ug/g	3.00e-4 lbs/hr	CC
Beryllium	329C1R4		6.21e-1 ug/g	6.60e-5 lbs/hr	CC
Cadmium	329C1R2		4.02e+0 ug/g	6.90e-4 lbs/hr	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT
 2. STATE: IL
 3. CITY: CHICAGO
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

Cadmium	329C1R4	6.78e-1	ug/g	7.20e-5	lbs/hr	CC	
Chromium	329C1R2	1.64e+2	ug/g	2.81e-2	lbs/hr	CC	
Chromium	329C1R4	1.27e+1	ug/g	1.35e-3	lbs/hr	CC	
Lead	329C1R2	3.34e+2	ug/g	5.73e-2	lbs/hr	CC	
Lead	329C1R4	4.59e+1	ug/g	4.87e-3	lbs/hr	CC	
Mercury	329C1R2	ND	3.50e-1	ug/g	6.00e-5	lbs/hr	CC
Mercury	329C1R4	ND	3.77e-1	ug/g	4.00e-5	lbs/hr	CC
Silver	329C1R2	1.22e+1	ug/g	2.09e-3	lbs/hr	CC	
Silver	329C1R4	5.93e+0	ug/g	6.30e-4	lbs/hr	CC	
Thallium	329C1R2	1.63e+2	ug/g	2.80e-2	lbs/hr	CC	
Thallium	329C1R4	5.87e+1	ug/g	6.23e-3	lbs/hr	CC	

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	3.20e+1 ug/g	0.00e+0	
Chlorine	329C1R2	5.00e+1 ug/g	0.00e+0	
Chlorine	329C1R3	3.00e+1 ug/g	0.00e+0	
Chlorine	329C1R4	4.23e+2 ug/g	0.00e+0	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	329C1R1	0.00e+0	1.00e-4 lbs/hr	
Antimony	329C1R2	0.00e+0	1.10e-4 lbs/hr	
Antimony	329C1R3	0.00e+0	1.40e-4 lbs/hr	
Antimony	329C1R4	0.00e+0	1.10e-4 lbs/hr	
Arsenic	329C1R1	0.00e+0	1.00e-4 lbs/hr	
Arsenic	329C1R2	0.00e+0	1.10e-4 lbs/hr	
Arsenic	329C1R3	0.00e+0	1.10e-4 lbs/hr	
Arsenic	329C1R4	0.00e+0	1.29e-4 lbs/hr	
Barium	329C1R1	0.00e+0	8.66e-4 lbs/hr	
Barium	329C1R2	0.00e+0	9.54e-4 lbs/hr	
Barium	329C1R3	0.00e+0	8.70e-4 lbs/hr	
Barium	329C1R4	0.00e+0	1.16e-3 lbs/hr	
Beryllium	329C1R1	ND	5.00e-6 lbs/hr	
Beryllium	329C1R2	0.00e+0	5.00e-6 lbs/hr	
Beryllium	329C1R3	ND	5.00e-6 lbs/hr	
Beryllium	329C1R4	ND	5.00e-6 lbs/hr	
Cadmium	329C1R1	0.00e+0	2.70e-5 lbs/hr	
Cadmium	329C1R2	0.00e+0	3.00e-5 lbs/hr	
Cadmium	329C1R3	0.00e+0	2.90e-5 lbs/hr	
Cadmium	329C1R4	0.00e+0	3.60e-5 lbs/hr	
Chromium	329C1R1	0.00e+0	3.09e-4 lbs/hr	
Chromium	329C1R2	0.00e+0	2.70e-4 lbs/hr	
Chromium	329C1R3	0.00e+0	2.71e-4 lbs/hr	
Chromium	329C1R4	0.00e+0	3.22e-4 lbs/hr	
Lead	329C1R1	0.00e+0	9.18e-4 lbs/hr	
Lead	329C1R2	0.00e+0	1.09e-3 lbs/hr	
Lead	329C1R3	0.00e+0	1.27e-3 lbs/hr	
Lead	329C1R4	0.00e+0	1.54e-3 lbs/hr	
Mercury	329C1R1	ND	1.00e-5 lbs/hr	
Mercury	329C1R2	ND	1.00e-5 lbs/hr	
Mercury	329C1R3	0.00e+0	1.00e-5 lbs/hr	
Mercury	329C1R4	0.00e+0	1.00e-5 lbs/hr	
Silver	329C1R1	0.00e+0	2.70e-5 lbs/hr	
Silver	329C1R2	0.00e+0	2.00e-5 lbs/hr	
Silver	329C1R3	0.00e+0	2.90e-5 lbs/hr	
Silver	329C1R4	0.00e+0	4.70e-5 lbs/hr	
Thallium	329C1R1	ND	1.20e-4 lbs/hr	
Thallium	329C1R2	ND	1.00e-4 lbs/hr	
Thallium	329C1R3	0.00e+0	1.10e-4 lbs/hr	
Thallium	329C1R4	0.00e+0	1.68e-4 lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEMICAL WASTE MANAGEMENT

2. STATE: IL

3. CITY: CHICAGO

EPA ID: ILD000672121

REGION: 5

4. EP ID: 329 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: PT/IWS

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA ID: CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

5. Type: BLOWDOWN

6. Description: Group: LIQUID INJECTION Location: VENTURI SCRUBBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	500C4R1	1.86e+4	mg/l	9.67e+2 lbs/hr	
Chlorine	500C4R2	1.94e+4	mg/l	9.99e+2 lbs/hr	
Chlorine	500C4R3	1.52e+4	mg/l	7.05e+2 lbs/hr	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Methylene Chloride	500C4R1	ND	1.00e-1 mg/l	5.21e-3 lbs/hr	
Methylene Chloride	500C4R2	ND	2.50e-2 mg/l	1.29e-3 lbs/hr	
Methylene Chloride	500C4R4	ND	5.00e-2 mg/l	2.71e-3 lbs/hr	
Toluene	500C4R1	ND	1.00e-1 mg/l	5.21e-3 lbs/hr	
Toluene	500C4R2	ND	2.50e-2 mg/l	1.29e-3 lbs/hr	
Toluene	500C4R4	ND	5.00e-2 mg/l	2.71e-3 lbs/hr	

5. Type: SPIKE

6. Description: ORGANICS (TOLUENE) Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Toluene	500C4R1	1.00e+6	ug/g	2.17e+1 lbs/hr	CC
Toluene	500C4R2	1.00e+6	ug/g	4.95e+1 lbs/hr	CC
Toluene	500C4R4	1.00e+6	ug/g	4.95e+1 lbs/hr	CC

5. Type: WASTE

6. Description: ORTHENE HC (TOP) Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	500C1R1	2.48e+5	ug/g	4.09e+2 lbs/hr	
Chlorine	500C1R2	1.86e+4	ug/g	4.20e+1 lbs/hr	
Chlorine	500C1R3	3.08e+5	ug/g	3.06e+2 lbs/hr	
Chlorine	500C1R4	4.53e+5	ug/g	2.22e+2 lbs/hr	
Chlorine	500C2R1	4.97e+5	ug/g	1.24e+3 lbs/hr	
Chlorine	500C2R2	1.01e+4	ug/g	1.20e+1 lbs/hr	
Chlorine	500C2R3	1.04e+4	ug/g	2.10e+1 lbs/hr	
Chlorine	500C3R1	4.17e+5	ug/g	2.90e+1 lbs/hr	
Chlorine	500C3R2	6.80e+3	ug/g	7.00e+0 lbs/hr	
Chlorine	500C3R3	5.10e+3	ug/g	3.44e-1 lbs/hr	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	500C1R1	ND	3.40e-1 ug/g	5.61e-4 lbs/hr	CE
Antimony	500C1R2	ND	3.50e-1 ug/g	7.88e-4 lbs/hr	CE
Antimony	500C1R3	ND	3.40e-1 ug/g	3.39e-4 lbs/hr	CE
Arsenic	500C1R1	ND	6.10e-3 ug/g	1.01e-5 lbs/hr	CE
Arsenic	500C1R2	ND	6.20e-3 ug/g	1.40e-5 lbs/hr	CE
Arsenic	500C1R3	ND	6.10e-1 ug/g	6.08e-4 lbs/hr	CE
Barium	500C1R1	ND	1.90e-2 ug/g	3.14e-5 lbs/hr	CE
Barium	500C1R2	ND	1.90e-2 ug/g	4.28e-5 lbs/hr	CE
Barium	500C1R3	ND	1.90e-2 ug/g	1.89e-5 lbs/hr	CE
Beryllium	500C1R1	ND	2.40e-3 ug/g	3.96e-6 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Beryllium	500C1R2	ND	2.40e-3	ug/g	5.40e-6	lbs/hr	CE
Beryllium	500C1R3	ND	2.40e-3	ug/g	2.39e-6	lbs/hr	CE
Cadmium	500C1R1	ND	4.30e-2	ug/g	7.10e-5	lbs/hr	CE
Cadmium	500C1R2	ND	4.40e-2	ug/g	9.90e-5	lbs/hr	CE
Cadmium	500C1R3	ND	4.30e-2	ug/g	4.28e-5	lbs/hr	CE
Chromium	500C1R1		1.60e-1	ug/g	2.65e-4	lbs/hr	
Chromium	500C1R2		2.20e-1	ug/g	2.65e-5	lbs/hr	
Chromium	500C1R3		3.40e-1	ug/g	3.31e-4	lbs/hr	
Lead	500C1R1		1.00e-2	ug/g	1.32e-5	lbs/hr	
Lead	500C1R2		2.50e-2	ug/g	3.17e-6	lbs/hr	
Lead	500C1R3		3.50e-2	ug/g	3.97e-5	lbs/hr	
Mercury	500C1R1	ND	5.60e+0	ug/g	9.24e-3	lbs/hr	CE
Mercury	500C1R2	ND	1.10e-1	ug/g	2.47e-4	lbs/hr	CE
Mercury	500C1R3	ND	1.20e-1	ug/g	1.20e-4	lbs/hr	CE
Nickel	500C1R1	ND	8.90e-2	ug/g	1.47e-4	lbs/hr	CE
Nickel	500C1R2	ND	9.00e-2	ug/g	2.02e-4	lbs/hr	CE
Nickel	500C1R3	ND	8.90e-2	ug/g	8.86e-5	lbs/hr	CE
Silver	500C1R1	ND	4.50e-1	ug/g	7.42e-4	lbs/hr	CE
Silver	500C1R2	ND	4.60e-1	ug/g	1.03e-3	lbs/hr	CE
Silver	500C1R3	ND	4.50e-1	ug/g	4.48e-4	lbs/hr	CE
Thallium	500C1R1		5.20e-1	ug/g	8.60e-4	lbs/hr	
Thallium	500C1R2		3.50e-1	ug/g	5.29e-5	lbs/hr	
Thallium	500C1R3		4.50e-1	ug/g	4.50e-4	lbs/hr	

6. Description: ORTHENE HC (BOTTOM)
 Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	500C1R1	1.90e+3	ug/g	1.00e+0	lbs/hr
Chlorine	500C1R3	3.70e+3	ug/g	5.00e+0	lbs/hr
Chlorine	500C1R4	1.29e+4	ug/g	2.50e+1	lbs/hr
Chlorine	500C2R2	4.80e+5	ug/g	5.23e+2	lbs/hr
Chlorine	500C3R1	2.20e+4	ug/g	4.90e+1	lbs/hr
Chlorine	500C3R2	5.55e+5	ug/g	6.52e+2	lbs/hr
Chlorine	500C3R3	1.09e+5	ug/g	2.47e+2	lbs/hr

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Antimony	500C1R2	ND	7.60e+0	ug/g	2.12e-2	lbs/hr
Antimony	500C1R3	ND	8.70e+0	ug/g	1.13e-2	lbs/hr
Arsenic	500C1R2	ND	1.30e-1	ug/g	3.63e-4	lbs/hr
Arsenic	500C1R3	ND	1.50e-1	ug/g	1.95e-4	lbs/hr
Barium	500C1R2	ND	4.20e-1	ug/g	1.17e-3	lbs/hr
Barium	500C1R3	ND	4.80e-1	ug/g	6.24e-4	lbs/hr
Beryllium	500C1R2	ND	5.20e-2	ug/g	1.45e-4	lbs/hr
Beryllium	500C1R3	ND	6.10e-2	ug/g	7.93e-5	lbs/hr
Cadmium	500C1R2	ND	9.50e-1	ug/g	2.65e-3	lbs/hr
Cadmium	500C1R3	ND	1.10e+0	ug/g	1.43e-3	lbs/hr
Chromium	500C1R2	ND	3.10e+0	ug/g	8.65e-3	lbs/hr
Chromium	500C1R3	ND	3.60e+0	ug/g	4.68e-3	lbs/hr
Lead	500C1R2		2.50e-1	ug/g	5.29e-4	lbs/hr
Lead	500C1R3		2.28e+1	ug/g	2.96e-2	lbs/hr
Mercury	500C1R2	ND	9.60e-2	ug/g	2.68e-4	lbs/hr
Mercury	500C1R3	ND	1.10e-1	ug/g	1.43e-4	lbs/hr
Nickel	500C1R2	ND	2.00e+0	ug/g	5.58e-3	lbs/hr
Nickel	500C1R3	ND	2.26e+0	ug/g	2.94e-3	lbs/hr
Silver	500C1R2	ND	1.00e+1	ug/g	2.79e-2	lbs/hr
Silver	500C1R3		3.77e+1	ug/g	4.91e-2	lbs/hr
Thallium	500C1R2	ND	7.40e+0	ug/g	2.06e-2	lbs/hr
Thallium	500C1R3	ND	8.50e+0	ug/g	1.11e-2	lbs/hr

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA ID: CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	500C1R1	5.00e-2	mg/l	2.00e+0 lbs/hr	
Chlorine	500C1R2	6.00e-2	mg/l	2.00e+0 lbs/hr	
Chlorine	500C1R3	6.00e-2	mg/l	2.00e+0 lbs/hr	
Chlorine	500C1R4	2.60e-1	mg/l	8.00e+0 lbs/hr	
Chlorine	500C2R1	2.55e+1	mg/l	8.69e+2 lbs/hr	
Chlorine	500C2R2	2.98e+1	mg/l	1.02e+3 lbs/hr	
Chlorine	500C2R3	2.80e+1	mg/l	9.45e+2 lbs/hr	
Chlorine	500C3R1	3.82e+1	mg/l	1.40e+3 lbs/hr	
Chlorine	500C3R2	3.98e+1	mg/l	1.46e+3 lbs/hr	
Chlorine	500C3R3	3.89e+5	ug/g	1.29e+3 lbs/hr	

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	500C1R1	ND	7.50e-1 ug/g	2.20e-3 lbs/hr	CE
Antimony	500C1R2	ND	8.80e-1 ug/g	2.46e-3 lbs/hr	CE
Antimony	500C1R3	ND	9.10e-1 ug/g	2.71e-3 lbs/hr	CE
Arsenic	500C1R1	ND	1.92e+1 ug/g	5.64e-2 lbs/hr	CE
Arsenic	500C1R2	ND	2.25e+1 ug/g	6.28e-2 lbs/hr	CE
Arsenic	500C1R3	ND	2.32e+1 ug/g	6.91e-2 lbs/hr	CE
Barium	500C1R1	ND	1.10e-1 ug/g	3.23e-4 lbs/hr	CE
Barium	500C1R2	ND	1.30e-1 ug/g	3.63e-4 lbs/hr	CE
Barium	500C1R3	ND	1.30e-1 ug/g	3.87e-4 lbs/hr	CE
Beryllium	500C1R1	ND	7.80e-3 ug/g	2.29e-5 lbs/hr	CE
Beryllium	500C1R2	ND	9.20e-3 ug/g	2.57e-5 lbs/hr	CE
Beryllium	500C1R3	ND	9.50e-3 ug/g	2.83e-5 lbs/hr	CE
Cadmium	500C1R1	ND	5.40e-2 ug/g	1.59e-4 lbs/hr	CE
Cadmium	500C1R2	ND	6.40e-2 ug/g	1.79e-4 lbs/hr	CE
Cadmium	500C1R3	ND	6.50e-2 ug/g	1.94e-4 lbs/hr	CE
Chromium	500C1R1	ND	5.30e-2 ug/g	1.56e-4 lbs/hr	CE
Chromium	500C1R2	ND	6.20e-1 ug/g	1.73e-3 lbs/hr	CE
Chromium	500C1R3	ND	6.40e-1 ug/g	1.91e-3 lbs/hr	CE
Lead	500C1R1	ND	2.00e+0 ug/g	5.88e-3 lbs/hr	CE
Lead	500C1R2	ND	2.30e+0 ug/g	6.42e-3 lbs/hr	CE
Lead	500C1R3	ND	2.40e+0 ug/g	7.15e-3 lbs/hr	CE
Mercury	500C1R1	ND	3.10e+0 ug/g	9.11e-3 lbs/hr	CE
Mercury	500C1R2	ND	3.60e+0 ug/g	1.00e-2 lbs/hr	CE
Mercury	500C1R3	ND	3.70e+0 ug/g	1.10e-2 lbs/hr	CE
Nickel	500C1R1	ND	4.10e-1 ug/g	1.21e-3 lbs/hr	CE
Nickel	500C1R2	ND	4.90e-1 ug/g	1.37e-3 lbs/hr	CE
Nickel	500C1R3	ND	5.00e-1 ug/g	1.49e-3 lbs/hr	CE
Silver	500C1R1	ND	1.26e+0 ug/g	3.70e-3 lbs/hr	CE
Silver	500C1R2	ND	1.50e+0 ug/g	4.19e-3 lbs/hr	CE
Silver	500C1R3	ND	1.50e+0 ug/g	4.47e-3 lbs/hr	CE

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	500C1R1	4.58e+3	mg/l	8.50e+1 lbs/hr	
Chlorine	500C1R2	5.65e+3	mg/l	1.08e+2 lbs/hr	
Chlorine	500C1R3	2.65e+3	mg/l	5.00e+1 lbs/hr	
Chlorine	500C2R1	5.39e+3	mg/l	1.02e+2 lbs/hr	
Chlorine	500C2R2	5.96e+3	mg/l	1.15e+2 lbs/hr	
Chlorine	500C2R3	2.74e+3	mg/l	5.20e+1 lbs/hr	
Chlorine	500C3R1	4.59e+3	mg/l	7.90e+1 lbs/hr	
Chlorine	500C3R2	3.32e+3	mg/l	5.70e+1 lbs/hr	
Chlorine	500C3R3	1.60e+3	mg/l	3.00e+1 lbs/hr	
Chlorine	500C4R1	4.79e+4	ug/g	6.22e+1 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Chlorine	500C4R1	3.83e+5	ug/g	4.97e+2	lbs/hr	CC
Chlorine	500C4R2	4.80e+4	ug/g	4.77e+2	lbs/hr	CE
Chlorine	500C4R2	4.94e+4	ug/g	4.91e+2	lbs/hr	CC
Chlorine	500C4R3	4.76e+4	ug/g	4.43e+2	lbs/hr	CE
Chlorine	500C4R3	4.90e+4	ug/g	4.56e+2	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Antimony	500C1R1	1.50e-1	ug/g	2.90e-3	lbs/hr	
Antimony	500C1R2	1.50e-1	ug/g	3.12e-3	lbs/hr	
Antimony	500C1R3	ND	8.90e-2	ug/g	1.79e-3	CE
Antimony	500C4R1		6.66e-1	ug/g	8.65e-4	CC
Antimony	500C4R2		1.83e-1	ug/g	1.82e-3	CC
Antimony	500C4R3		9.29e-2	ug/g	8.65e-4	CC
Antimony	500C4R4		9.22e-2	ug/g	8.65e-4	CC
Arsenic	500C1R1	ND	1.50e-3	ug/g	2.96e-5	CE
Arsenic	500C1R2	ND	1.40e-3	ug/g	2.84e-5	CE
Arsenic	500C1R3	ND	1.60e-3	ug/g	3.21e-5	CE
Arsenic	500C4R1		2.00e-2	ug/g	2.60e-5	CC
Arsenic	500C4R2		8.75e-4	ug/g	8.70e-6	CC
Arsenic	500C4R3		2.79e-3	ug/g	2.60e-5	CC
Arsenic	500C4R4		1.84e-3	ug/g	1.73e-5	CC
Barium	500C1R1		1.40e-2	ug/g	2.78e-4	
Barium	500C1R2		1.00e-2	ug/g	2.12e-4	
Barium	500C1R3		7.60e-3	ug/g	1.59e-4	
Barium	500C4R1		9.01e-2	ug/g	1.17e-4	CC
Barium	500C4R2		1.18e-2	ug/g	1.17e-4	CC
Barium	500C4R3		1.26e-2	ug/g	1.17e-4	CC
Barium	500C4R4		1.25e-2	ug/g	1.17e-4	CC
Beryllium	500C1R1		4.50e-3	ug/g	9.26e-5	
Beryllium	500C1R2		4.20e-3	ug/g	2.12e-4	
Beryllium	500C1R3		5.00e-3	ug/g	1.06e-4	
Beryllium	500C4R1		1.00e-2	ug/g	1.30e-5	CC
Beryllium	500C4R2		1.31e-3	ug/g	1.30e-5	CC
Beryllium	500C4R3		1.40e-3	ug/g	1.30e-5	CC
Beryllium	500C4R4		1.39e-3	ug/g	1.30e-5	CC
Cadmium	500C1R1	ND	1.00e-2	ug/g	1.98e-4	CE
Cadmium	500C1R2	ND	1.00e-2	ug/g	2.03e-4	CE
Cadmium	500C1R3	ND	1.10e-2	ug/g	2.21e-4	CE
Cadmium	500C4R1		6.70e-2	ug/g	8.70e-5	CC
Cadmium	500C4R2		8.75e-3	ug/g	8.70e-5	CC
Cadmium	500C4R3		9.34e-3	ug/g	8.70e-5	CC
Cadmium	500C4R4		9.27e-3	ug/g	8.70e-5	CC
Chromium	500C1R1		4.70e-1	ug/g	9.37e-3	
Chromium	500C1R2		4.40e-1	ug/g	9.05e-3	
Chromium	500C1R3		4.50e-1	ug/g	9.06e-3	
Chromium	500C4R1		3.03e+0	ug/g	3.93e-3	CC
Chromium	500C4R2		2.94e-1	ug/g	2.92e-3	CC
Chromium	500C4R3		3.12e-1	ug/g	2.91e-3	CC
Chromium	500C4R4		4.19e-1	ug/g	3.93e-3	CC
Lead	500C1R1		6.00e-2	ug/g	1.19e-3	
Lead	500C1R2		1.80e-2	ug/g	3.57e-4	
Lead	500C1R3		1.80e-2	ug/g	3.57e-4	
Lead	500C4R1		3.27e-1	ug/g	4.24e-4	CC
Lead	500C4R2		4.26e-1	ug/g	4.24e-3	CC
Lead	500C4R3		4.55e-2	ug/g	4.24e-4	CC
Lead	500C4R4		4.52e-2	ug/g	4.24e-4	CC
Mercury	500C1R1		2.30e-3	ug/g	3.97e-5	
Mercury	500C1R2		2.10e-3	ug/g	3.97e-5	
Mercury	500C1R3		2.20e-3	ug/g	3.97e-5	
Mercury	500C4R1		2.70e-2	ug/g	3.50e-5	CC
Mercury	500C4R2		1.71e-3	ug/g	1.70e-5	CC
Mercury	500C4R3		3.76e-3	ug/g	3.50e-5	CC
Mercury	500C4R4		3.73e-3	ug/g	3.50e-5	CC
Nickel	500C1R1		9.20e-2	ug/g	1.81e-3	
Nickel	500C1R2		5.50e-2	ug/g	1.11e-3	
Nickel	500C1R3		2.90e-2	ug/g	5.95e-4	
Silver	500C1R1	ND	1.10e-1	ug/g	2.17e-3	CE
Silver	500C1R2	ND	1.00e-1	ug/g	2.03e-3	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Silver	500C1R3	ND	1.20e-1	ug/g	2.41e-3	lbs/hr	CE
Silver	500C4R1		1.33e-1	ug/g	1.73e-4	lbs/hr	CC
Silver	500C4R2		1.74e-2	ug/g	1.73e-4	lbs/hr	CC
Silver	500C4R3		1.86e-2	ug/g	1.73e-4	lbs/hr	CC
Silver	500C4R4		1.84e-1	ug/g	1.73e-3	lbs/hr	CC
Thallium	500C1R1		2.80e-1	ug/g	5.61e-3	lbs/hr	
Thallium	500C1R2		2.80e-1	ug/g	5.77e-3	lbs/hr	
Thallium	500C1R3		2.80e-1	ug/g	5.56e-3	lbs/hr	
Thallium	500C4R1		9.66e-1	ug/g	1.25e-3	lbs/hr	CC
Thallium	500C4R2		1.26e-1	ug/g	1.25e-3	lbs/hr	CC
Thallium	500C4R3		1.35e-1	ug/g	1.25e-3	lbs/hr	CC
Thallium	500C4R4		1.34e-1	ug/g	1.25e-3	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Methylene Chloride	500C4R1	8.78e+4	ug/g	1.14e+2	lbs/hr	CC
Methylene Chloride	500C4R2	1.32e+4	ug/g	1.31e+2	lbs/hr	CC
Methylene Chloride	500C4R4	1.04e+4	ug/g	9.74e+1	lbs/hr	CC

6. Description: PLANT 2 AQUEOUS

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	500C1R1	5.37e+3	mg/l	3.80e+1	lbs/hr	
Chlorine	500C1R2	2.01e+3	mg/l	1.20e+1	lbs/hr	
Chlorine	500C1R3	2.26e+3	mg/l	1.30e+1	lbs/hr	
Chlorine	500C2R1	1.10e+3	mg/l	4.00e+0	lbs/hr	
Chlorine	500C2R2	5.90e+2	mg/l	2.00e+0	lbs/hr	
Chlorine	500C2R3	5.01e+2	mg/l	2.00e+0	lbs/hr	
Chlorine	500C3R1	2.18e+3	mg/l	6.00e+0	lbs/hr	
Chlorine	500C3R2	1.15e+3	mg/l	3.00e+0	lbs/hr	
Chlorine	500C3R3	7.67e+2	mg/l	2.30e+0	lbs/hr	
Chlorine	500C4R1	3.20e+2	ug/g	7.34e-1	lbs/hr	CE
Chlorine	500C4R1	3.29e+2	ug/g	7.54e-1	lbs/hr	CC
Chlorine	500C4R2	3.32e+2	ug/g	7.59e-1	lbs/hr	CE
Chlorine	500C4R2	3.41e+2	ug/g	7.80e-1	lbs/hr	CC
Chlorine	500C4R3	3.19e+2	ug/g	7.30e-1	lbs/hr	CE
Chlorine	500C4R3	3.28e+2	ug/g	7.50e-1	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Antimony	500C1R1	ND	3.60e-1	ug/g	3.60e-2	lbs/hr	
Antimony	500C1R2	ND	3.40e-1	ug/g	2.04e-3	lbs/hr	CE
Antimony	500C1R3	ND	3.40e-1	ug/g	1.95e-3	lbs/hr	CE
Antimony	500C4R1		3.83e-1	ug/g	8.78e-4	lbs/hr	CC
Antimony	500C4R2		3.82e-1	ug/g	8.72e-4	lbs/hr	CC
Antimony	500C4R3		4.92e-1	ug/g	1.12e-3	lbs/hr	CC
Antimony	500C4R4		3.59e-1	ug/g	8.33e-4	lbs/hr	CC
Arsenic	500C1R1		3.30e+0	ug/g	2.35e-2	lbs/hr	
Arsenic	500C1R2		3.40e+0	ug/g	2.04e-2	lbs/hr	
Arsenic	500C1R3		3.20e+0	ug/g	1.85e-2	lbs/hr	
Arsenic	500C4R1		3.04e-1	ug/g	6.98e-4	lbs/hr	CC
Arsenic	500C4R2		1.77e-1	ug/g	4.05e-4	lbs/hr	CC
Arsenic	500C4R3		9.53e-2	ug/g	2.18e-4	lbs/hr	CC
Arsenic	500C4R4		2.99e-1	ug/g	6.93e-4	lbs/hr	CC
Barium	500C1R1		1.70e-1	ug/g	1.20e-3	lbs/hr	
Barium	500C1R2		2.60e-1	ug/g	1.57e-3	lbs/hr	
Barium	500C1R3		2.80e-1	ug/g	1.60e-3	lbs/hr	
Barium	500C4R1		4.03e-1	ug/g	9.23e-4	lbs/hr	CC
Barium	500C4R2		4.99e-1	ug/g	1.14e-3	lbs/hr	CC
Barium	500C4R3		5.16e-1	ug/g	1.18e-3	lbs/hr	CC
Barium	500C4R4		5.82e-1	ug/g	1.35e-3	lbs/hr	CC
Beryllium	500C1R1		2.90e-2	ug/g	2.12e-4	lbs/hr	
Beryllium	500C1R2		4.10e-2	ug/g	2.38e-4	lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Beryllium	500C1R3	7.90e-2	ug/g	4.50e-4	lbs/hr	
Beryllium	500C4R1	6.11e-3	ug/g	1.40e-5	lbs/hr	CC
Beryllium	500C4R2	4.38e-3	ug/g	1.00e-5	lbs/hr	CC
Beryllium	500C4R3	7.43e-3	ug/g	1.70e-5	lbs/hr	CC
Beryllium	500C4R4	6.47e-3	ug/g	1.50e-5	lbs/hr	CC
Cadmium	500C1R1	5.20e-2	ug/g	3.70e-4	lbs/hr	
Cadmium	500C1R2	6.10e-2	ug/g	3.70e-4	lbs/hr	
Cadmium	500C1R3	ND 4.20e-2	ug/g	2.41e-4	lbs/hr	CE
Cadmium	500C4R1	3.84e-2	ug/g	8.80e-5	lbs/hr	CC
Cadmium	500C4R2	3.02e-2	ug/g	6.90e-5	lbs/hr	CC
Cadmium	500C4R3	4.94e-2	ug/g	1.13e-4	lbs/hr	CC
Cadmium	500C4R4	3.58e-2	ug/g	8.30e-5	lbs/hr	CC
Chromium	500C1R1	2.80e-1	ug/g	2.01e-3	lbs/hr	
Chromium	500C1R2	3.80e-1	ug/g	2.25e-3	lbs/hr	
Chromium	500C1R3	3.90e-1	ug/g	2.22e-3	lbs/hr	
Chromium	500C4R1	4.67e-1	ug/g	1.07e-3	lbs/hr	CC
Chromium	500C4R2	6.26e-1	ug/g	1.43e-3	lbs/hr	CC
Chromium	500C4R3	7.43e-1	ug/g	1.70e-3	lbs/hr	CC
Chromium	500C4R4	4.96e-1	ug/g	1.15e-3	lbs/hr	CC
Lead	500C1R1	2.10e-1	ug/g	1.48e-3	lbs/hr	
Lead	500C1R2	3.20e-1	ug/g	1.90e-3	lbs/hr	
Lead	500C1R3	3.90e-1	ug/g	2.25e-3	lbs/hr	
Lead	500C4R1	1.91e-1	ug/g	4.39e-4	lbs/hr	CC
Lead	500C4R2	1.50e-1	ug/g	3.42e-4	lbs/hr	CC
Lead	500C4R3	2.46e-1	ug/g	5.63e-4	lbs/hr	CC
Lead	500C4R4	1.78e-1	ug/g	4.14e-4	lbs/hr	CC
Mercury	500C1R1	2.30e-2	ug/g	1.59e-4	lbs/hr	
Mercury	500C1R2	1.90e-2	ug/g	1.06e-4	lbs/hr	
Mercury	500C1R3	1.40e-2	ug/g	7.94e-5	lbs/hr	
Mercury	500C4R1	3.92e-3	ug/g	9.00e-6	lbs/hr	CC
Mercury	500C4R2	3.94e-3	ug/g	9.00e-6	lbs/hr	CC
Mercury	500C4R3	3.94e-3	ug/g	9.00e-6	lbs/hr	CC
Mercury	500C4R4	3.88e-3	ug/g	9.00e-6	lbs/hr	CC
Nickel	500C1R1	5.20e-1	ug/g	3.69e-3	lbs/hr	
Nickel	500C1R2	7.40e-1	ug/g	4.43e-3	lbs/hr	
Nickel	500C1R3	7.50e-1	ug/g	4.29e-3	lbs/hr	
Silver	500C1R1	ND 4.70e-1	ug/g	3.34e-3	lbs/hr	CE
Silver	500C1R2	ND 4.50e-1	ug/g	2.70e-3	lbs/hr	CE
Silver	500C1R3	ND 4.50e-1	ug/g	2.58e-3	lbs/hr	CE
Silver	500C4R1	7.68e-2	ug/g	1.76e-4	lbs/hr	CC
Silver	500C4R2	6.39e-2	ug/g	1.46e-4	lbs/hr	CC
Silver	500C4R3	9.84e-2	ug/g	2.25e-4	lbs/hr	CC
Silver	500C4R4	7.11e-2	ug/g	1.65e-4	lbs/hr	CC
Thallium	500C1R1	ND 3.50e-1	ug/g	2.49e-3	lbs/hr	CE
Thallium	500C1R2	ND 3.30e-1	ug/g	1.98e-3	lbs/hr	CE
Thallium	500C1R3	ND 3.30e-1	ug/g	1.89e-3	lbs/hr	CE
Thallium	500C4R1	5.75e-1	ug/g	1.32e-3	lbs/hr	CC
Thallium	500C4R2	4.48e-1	ug/g	1.02e-3	lbs/hr	CC
Thallium	500C4R3	7.38e-1	ug/g	1.69e-3	lbs/hr	CC
Thallium	500C4R4	5.35e-1	ug/g	1.24e-3	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Methylene Chloride	500C4R1	6.67e+1 ug/g	1.53e-1 lbs/hr	CC
Methylene Chloride	500C4R2	6.78e+1 ug/g	1.55e-1 lbs/hr	CC
Methylene Chloride	500C4R4	2.88e+1 ug/g	6.67e-2 lbs/hr	CC

6. Description: OGA-480

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	500C1R1	ND 1.00e+0 ug/g	2.95e-3 lbs/hr	CE
Chlorine	500C1R2	ND 1.00e+0 ug/g	2.94e-3 lbs/hr	CE
Chlorine	500C1R3	ND 1.00e+0 ug/g	2.95e-3 lbs/hr	CE
Chlorine	500C2R1	ND 1.00e+0 ug/g	3.16e-3 lbs/hr	CE
Chlorine	500C2R2	ND 1.00e+0 ug/g	2.08e-3 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA ID: CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Chlorine	500C2R3	ND	1.00e+0	ug/g	2.64e-3	lbs/hr	CE
Chlorine	500C3R1	ND	1.00e+0	ug/g	3.04e-3	lbs/hr	CE
Chlorine	500C3R2	ND	1.00e+0	ug/g	2.86e-3	lbs/hr	CE
Chlorine	500C3R3	ND	1.00e+0	ug/g	2.88e-3	lbs/hr	CE
Chlorine	500C4R1		2.67e+4	ug/g	3.47e+1	lbs/hr	CE
Chlorine	500C4R1		2.74e+4	ug/g	3.56e+1	lbs/hr	CC
Chlorine	500C4R2		3.43e+4	ug/g	4.48e+1	lbs/hr	CE
Chlorine	500C4R2		3.53e+4	ug/g	4.61e+1	lbs/hr	CC
Chlorine	500C4R3		3.57e+4	ug/g	4.86e+1	lbs/hr	CE
Chlorine	500C4R3		3.67e+4	ug/g	4.99e+1	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Antimony	500C1R1	ND	8.00e-2	ug/g	2.36e-4	lbs/hr	CE
Antimony	500C1R2	ND	8.50e-2	ug/g	2.50e-4	lbs/hr	CE
Antimony	500C1R3	ND	8.00e-2	ug/g	2.36e-4	lbs/hr	CE
Antimony	500C4R1		1.93e-1	ug/g	2.50e-4	lbs/hr	CC
Antimony	500C4R2		1.91e-1	ug/g	2.50e-4	lbs/hr	CC
Antimony	500C4R3		1.84e-1	ug/g	2.50e-4	lbs/hr	CC
Antimony	500C4R4		1.85e-1	ug/g	2.50e-4	lbs/hr	CC
Arsenic	500C1R1	ND	1.50e-3	ug/g	4.42e-6	lbs/hr	CE
Arsenic	500C1R2	ND	1.50e-3	ug/g	4.41e-6	lbs/hr	CE
Arsenic	500C1R3	ND	1.40e-3	ug/g	4.13e-6	lbs/hr	CE
Arsenic	500C4R1		1.93e-3	ug/g	2.50e-6	lbs/hr	CC
Arsenic	500C4R2		1.91e-3	ug/g	2.50e-6	lbs/hr	CC
Arsenic	500C4R3		1.84e-3	ug/g	2.50e-6	lbs/hr	CC
Arsenic	500C4R4		1.85e-3	ug/g	2.50e-6	lbs/hr	CC
Barium	500C1R1		1.50e-2	ug/g	3.97e-5	lbs/hr	
Barium	500C1R2		1.00e-2	ug/g	2.65e-5	lbs/hr	
Barium	500C1R3		1.30e-2	ug/g	3.97e-5	lbs/hr	
Barium	500C4R1		4.85e-3	ug/g	6.30e-6	lbs/hr	CC
Barium	500C4R2		4.82e-3	ug/g	6.30e-6	lbs/hr	CC
Barium	500C4R3		4.63e-3	ug/g	6.30e-6	lbs/hr	CC
Barium	500C4R4		4.66e-3	ug/g	6.30e-6	lbs/hr	CC
Beryllium	500C1R1		3.00e-3	ug/g	1.32e-5	lbs/hr	
Beryllium	500C1R2		3.00e-5	ug/g	1.32e-7	lbs/hr	
Beryllium	500C1R3	ND	6.00e-4	ug/g	1.77e-6	lbs/hr	CE
Beryllium	500C4R1		2.93e-3	ug/g	3.80e-6	lbs/hr	CC
Beryllium	500C4R2		2.91e-3	ug/g	3.80e-6	lbs/hr	CC
Beryllium	500C4R3		2.79e-3	ug/g	3.80e-6	lbs/hr	CC
Beryllium	500C4R4		2.81e-3	ug/g	3.80e-6	lbs/hr	CC
Cadmium	500C1R1	ND	1.10e-2	ug/g	3.25e-5	lbs/hr	CE
Cadmium	500C1R2	ND	1.10e-2	ug/g	3.23e-5	lbs/hr	CE
Cadmium	500C1R3	ND	1.00e-2	ug/g	2.95e-5	lbs/hr	CE
Cadmium	500C4R1		1.93e-2	ug/g	2.50e-5	lbs/hr	CC
Cadmium	500C4R2		1.91e-2	ug/g	2.50e-5	lbs/hr	CC
Cadmium	500C4R3		1.84e-2	ug/g	2.50e-5	lbs/hr	CC
Cadmium	500C4R4		1.85e-2	ug/g	2.50e-5	lbs/hr	CC
Chromium	500C1R1		4.70e-2	ug/g	1.46e-4	lbs/hr	
Chromium	500C1R2		1.50e-2	ug/g	3.97e-5	lbs/hr	
Chromium	500C1R3		5.90e-2	ug/g	1.72e-4	lbs/hr	
Chromium	500C4R1		5.58e-1	ug/g	7.24e-4	lbs/hr	CC
Chromium	500C4R2		9.61e-1	ug/g	1.26e-3	lbs/hr	CC
Chromium	500C4R3		7.79e-1	ug/g	1.06e-3	lbs/hr	CC
Chromium	500C4R4		7.92e-1	ug/g	1.07e-3	lbs/hr	CC
Lead	500C1R1		1.30e-1	ug/g	3.84e-4	lbs/hr	
Lead	500C1R2		1.50e-2	ug/g	3.97e-5	lbs/hr	
Lead	500C1R3		3.00e-2	ug/g	9.26e-5	lbs/hr	
Lead	500C4R1		9.63e-2	ug/g	1.25e-4	lbs/hr	CC
Lead	500C4R2		9.57e-2	ug/g	1.25e-4	lbs/hr	CC
Lead	500C4R3		9.19e-2	ug/g	1.25e-4	lbs/hr	CC
Lead	500C4R4		9.25e-2	ug/g	1.25e-4	lbs/hr	CC
Mercury	500C1R1		2.30e-3	ug/g	1.32e-5	lbs/hr	
Mercury	500C1R2		1.90e-3	ug/g	5.42e-6	lbs/hr	
Mercury	500C1R3		2.30e-3	ug/g	1.32e-5	lbs/hr	
Mercury	500C4R1		9.63e-3	ug/g	1.25e-5	lbs/hr	CC
Mercury	500C4R2		9.57e-3	ug/g	1.25e-5	lbs/hr	CC
Mercury	500C4R3		9.19e-3	ug/g	1.25e-5	lbs/hr	CC
Mercury	500C4R4		9.25e-3	ug/g	1.25e-5	lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA ID: CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Nickel	500C1R1	ND	2.20e-2	ug/g	6.49e-5	lbs/hr	CE
Nickel	500C1R2	ND	2.20e-2	ug/g	6.47e-5	lbs/hr	CE
Nickel	500C1R3	ND	2.10e-2	ug/g	6.20e-5	lbs/hr	CE
Silver	500C1R1	ND	1.10e-1	ug/g	3.24e-4	lbs/hr	CE
Silver	500C1R2	ND	1.10e-1	ug/g	3.23e-4	lbs/hr	CE
Silver	500C1R3	ND	1.10e-1	ug/g	3.24e-4	lbs/hr	CE
Silver	500C4R1		3.85e-2	ug/g	5.00e-5	lbs/hr	CC
Silver	500C4R2		3.83e-2	ug/g	5.00e-5	lbs/hr	CC
Silver	500C4R3		3.68e-2	ug/g	5.00e-5	lbs/hr	CC
Silver	500C4R4		3.70e-2	ug/g	5.00e-5	lbs/hr	CC
Thallium	500C1R1	ND	8.00e-2	ug/g	2.36e-4	lbs/hr	CE
Thallium	500C1R2	ND	8.30e-2	ug/g	2.44e-4	lbs/hr	CE
Thallium	500C1R3	ND	8.00e-2	ug/g	2.36e-4	lbs/hr	CE
Thallium	500C4R1		2.89e-1	ug/g	3.75e-4	lbs/hr	CC
Thallium	500C4R2		2.87e-1	ug/g	3.75e-4	lbs/hr	CC
Thallium	500C4R3		2.76e-1	ug/g	3.75e-4	lbs/hr	CC
Thallium	500C4R4		2.77e-1	ug/g	3.75e-4	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Methylene Chloride	500C4R1	1.29e+0	ug/g	1.68e-3	lbs/hr	CC
Methylene Chloride	500C4R4	8.14e+1	ug/g	1.10e-1	lbs/hr	CC

6. Description: ORTHENE OFF-GAS

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: GAS

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Methylene Chloride	500C4R1	ND	0.00e+0	6.75e-1	lbs/hr	
Methylene Chloride	500C4R2		0.00e+0	7.24e-1	lbs/hr	
Methylene Chloride	500C4R4		0.00e+0	4.71e-1	lbs/hr	

6. Description: ORTHENE HC

Group: LIQUID INJECTION

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	500C4R1	1.29e+4	ug/g	7.80e+0	lbs/hr	CE
Chlorine	500C4R1	1.33e+4	ug/g	8.03e+0	lbs/hr	CC
Chlorine	500C4R2	1.31e+4	ug/g	8.02e+0	lbs/hr	CE
Chlorine	500C4R2	8.25e+4	ug/g	5.05e+1	lbs/hr	CE
Chlorine	500C4R3	1.19e+4	ug/g	7.10e+0	lbs/hr	CE
Chlorine	500C4R3	1.22e+4	ug/g	7.30e+0	lbs/hr	CC

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Antimony	500C4R1	4.05e-1	ug/g	2.45e-4	lbs/hr	CC
Antimony	500C4R2	4.00e-1	ug/g	2.45e-4	lbs/hr	CC
Antimony	500C4R3	4.10e-1	ug/g	2.45e-4	lbs/hr	CC
Antimony	500C4R4	4.18e-1	ug/g	2.45e-4	lbs/hr	CC
Arsenic	500C4R1	4.13e-3	ug/g	2.50e-6	lbs/hr	CC
Arsenic	500C4R2	4.08e-3	ug/g	2.50e-6	lbs/hr	CC
Arsenic	500C4R3	4.19e-3	ug/g	2.50e-6	lbs/hr	CC
Arsenic	500C4R4	5.11e-3	ug/g	3.00e-6	lbs/hr	CC
Barium	500C4R1	2.07e-2	ug/g	1.25e-5	lbs/hr	CC
Barium	500C4R2	1.03e-2	ug/g	6.30e-6	lbs/hr	CC
Barium	500C4R3	1.06e-2	ug/g	6.30e-6	lbs/hr	CC
Barium	500C4R4	2.47e-2	ug/g	1.45e-5	lbs/hr	CC
Beryllium	500C4R1	5.79e-3	ug/g	3.50e-6	lbs/hr	CC
Beryllium	500C4R2	5.72e-3	ug/g	3.50e-6	lbs/hr	CC
Beryllium	500C4R3	5.86e-3	ug/g	3.50e-6	lbs/hr	CC
Beryllium	500C4R4	5.97e-3	ug/g	3.50e-6	lbs/hr	CC

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: CA
 3. CITY: RICHMOND
 4. EP ID: 500 DEVICE NAME:

EPA ID: CAD043237486
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9
 APC SYSTEM: QC/VS/KOV/DM

Cadmium	500C4R1	4.13e-2	ug/g	2.50e-5	lbs/hr	CC
Cadmium	500C4R2	4.08e-2	ug/g	2.50e-5	lbs/hr	CC
Cadmium	500C4R3	4.19e-2	ug/g	2.50e-5	lbs/hr	CC
Cadmium	500C4R4	4.26e-2	ug/g	2.50e-5	lbs/hr	CC
Chromium	500C4R1	1.65e+0	ug/g	1.00e-3	lbs/hr	CC
Chromium	500C4R2	1.05e+0	ug/g	6.45e-4	lbs/hr	CC
Chromium	500C4R3	1.32e+0	ug/g	7.87e-4	lbs/hr	CC
Chromium	500C4R4	1.32e+0	ug/g	7.74e-4	lbs/hr	CC
Lead	500C4R1	2.07e-1	ug/g	1.25e-4	lbs/hr	CC
Lead	500C4R2	2.04e-1	ug/g	1.25e-4	lbs/hr	CC
Lead	500C4R3	2.09e-1	ug/g	1.25e-4	lbs/hr	CC
Lead	500C4R4	2.13e-1	ug/g	1.25e-4	lbs/hr	CC
Mercury	500C4R1	1.65e-2	ug/g	1.00e-5	lbs/hr	CC
Mercury	500C4R2	1.63e-2	ug/g	1.00e-5	lbs/hr	CC
Mercury	500C4R3	1.68e-2	ug/g	1.00e-5	lbs/hr	CC
Mercury	500C4R4	1.70e-2	ug/g	1.00e-5	lbs/hr	CC
Silver	500C4R1	8.10e-2	ug/g	4.90e-5	lbs/hr	CC
Silver	500C4R2	8.17e-2	ug/g	5.00e-5	lbs/hr	CC
Silver	500C4R3	8.38e-2	ug/g	5.00e-5	lbs/hr	CC
Silver	500C4R4	8.18e-2	ug/g	4.80e-5	lbs/hr	CC
Thallium	500C4R1	6.12e-1	ug/g	3.70e-4	lbs/hr	CC
Thallium	500C4R2	6.05e-1	ug/g	3.70e-4	lbs/hr	CC
Thallium	500C4R3	6.20e-1	ug/g	3.70e-4	lbs/hr	CC
Thallium	500C4R4	6.31e-1	ug/g	3.70e-4	lbs/hr	CC

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Methylene Chloride	500C4R1	1.32e+5 ug/g	7.98e+1 lbs/hr	CC
Methylene Chloride	500C4R2	1.17e+5 ug/g	7.16e+1 lbs/hr	CC
Methylene Chloride	500C4R4	1.17e+5 ug/g	6.84e+1 lbs/hr	CC

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: LA
 3. CITY: BELL CHASSE EPA LAD034199802 REGION: 6
 4. EP ID: 711 DEVICE NAME: INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: C/V/S/AS

5. Type: WASTE

6. Description: OLOA 330A & 237 OVER
 Group: HOR. LIQUID FIRED Location: SINGLE CHAMBER Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	711C1R1	9.23e+4 ug/g	4.73e+1 lbs/hr	CE
Chlorine	711C1R2	8.98e+4 ug/g	4.50e+1 lbs/hr	CE
Chlorine	711C1R3	7.86e+4 ug/g	4.36e+1 lbs/hr	CE
Chlorine	711C3R1	7.33e+4 ug/g	4.04e+1 lbs/hr	CE
Chlorine	711C3R2	9.84e+4 ug/g	4.56e+1 lbs/hr	CE
Chlorine	711C3R3	8.59e+4 ug/g	4.35e+1 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Toluene	711C1R1	3.51e+4 ug/g	1.80e+1 lbs/hr	CE
Toluene	711C1R2	4.52e+4 ug/g	2.26e+1 lbs/hr	CE
Toluene	711C1R3	4.78e+4 ug/g	2.65e+1 lbs/hr	CE
Toluene	711C3R1	4.66e+4 ug/g	2.57e+1 lbs/hr	CE
Toluene	711C3R2	4.77e+4 ug/g	2.21e+1 lbs/hr	CE
Toluene	711C3R3	4.55e+4 ug/g	2.30e+1 lbs/hr	CE
Trichloroethene	711C1R1	7.94e+4 ug/g	4.07e+1 lbs/hr	CE
Trichloroethene	711C1R2	8.14e+4 ug/g	4.08e+1 lbs/hr	CE
Trichloroethene	711C1R3	9.33e+4 ug/g	5.18e+1 lbs/hr	CE
Trichloroethene	711C3R1	8.76e+4 ug/g	4.82e+1 lbs/hr	CE
Trichloroethene	711C3R2	9.08e+4 ug/g	4.21e+1 lbs/hr	CE
Trichloroethene	711C3R3	8.87e+4 ug/g	4.49e+1 lbs/hr	CE

6. Description: SPIKED ORGANICS (TCE,TOLUENE)
 Group: ROTARY HEARTH Location: PRIMARY CHAMBER Phase: SOLID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	711C2R1	5.60e+3 ug/g	9.89e+0 lbs/hr	CE
Chlorine	711C2R2	6.10e+3 ug/g	1.19e+1 lbs/hr	CE
Chlorine	711C2R3	6.10e+3 ug/g	1.17e+1 lbs/hr	CE
Chlorine	711C3R1	2.20e+3 ug/g	4.10e+0 lbs/hr	CE
Chlorine	711C3R2	2.50e+3 ug/g	2.89e+0 lbs/hr	CE
Chlorine	711C3R3	2.70e+3 ug/g	3.84e+0 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Toluene	711C2R1	2.30e+8 ug/g	4.06e+5 lbs/hr	CE
Toluene	711C2R2	3.10e+8 ug/g	6.04e+5 lbs/hr	CE
Toluene	711C2R3	2.10e+8 ug/g	4.03e+5 lbs/hr	CE
Toluene	711C3R1	1.30e+8 ug/g	2.42e+5 lbs/hr	CE
Toluene	711C3R2	1.90e+8 ug/g	2.20e+5 lbs/hr	CE
Toluene	711C3R3	1.60e+8 ug/g	2.27e+5 lbs/hr	CE
Trichloroethene	711C2R1	2.40e+7 ug/g	4.24e+4 lbs/hr	CE
Trichloroethene	711C2R2	3.10e+7 ug/g	6.04e+4 lbs/hr	CE
Trichloroethene	711C2R3	2.10e+7 ug/g	4.03e+4 lbs/hr	CE
Trichloroethene	711C3R1	1.30e+7 ug/g	2.42e+4 lbs/hr	CE
Trichloroethene	711C3R2	1.90e+7 ug/g	2.20e+4 lbs/hr	CE
Trichloroethene	711C3R3	1.50e+7 ug/g	2.13e+4 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: PA
 3. CITY: PHILADELPHIA
 4. EP ID: 504 DEVICE NAME:

EPA ID: PAD049791098
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/C

REGION: 3

5. Type: BLOWDOWN

6. Description: SCRUBBER

Group: FLUIDIZED BED

Location: VENTURI SCRUBBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	504C1R1	0.00e+0	2.15e-3 lbs/hr	
Antimony	504C1R2	0.00e+0	1.90e-2 lbs/hr	
Antimony	504C1R3	0.00e+0	1.95e-2 lbs/hr	
Antimony	504C1R4	0.00e+0	1.75e-2 lbs/hr	
Antimony	504C1R5	0.00e+0	4.98e-3 lbs/hr	
Arsenic	504C1R1	0.00e+0	2.17e-3 lbs/hr	
Arsenic	504C1R2	0.00e+0	3.33e-2 lbs/hr	
Arsenic	504C1R3	0.00e+0	2.11e-2 lbs/hr	
Arsenic	504C1R4	0.00e+0	2.28e-2 lbs/hr	
Arsenic	504C1R5	0.00e+0	4.25e-3 lbs/hr	
Barium	504C1R1	0.00e+0	4.59e-2 lbs/hr	
Barium	504C1R2	0.00e+0	3.30e-1 lbs/hr	
Barium	504C1R3	0.00e+0	3.10e-1 lbs/hr	
Barium	504C1R4	0.00e+0	2.97e-1 lbs/hr	
Barium	504C1R5	0.00e+0	4.42e-2 lbs/hr	
Beryllium	504C1R1	0.00e+0	8.51e-5 lbs/hr	
Beryllium	504C1R2	0.00e+0	4.68e-4 lbs/hr	
Beryllium	504C1R3	0.00e+0	3.74e-4 lbs/hr	
Beryllium	504C1R4	0.00e+0	3.83e-4 lbs/hr	
Beryllium	504C1R5	0.00e+0	8.51e-5 lbs/hr	
Cadmium	504C1R1	0.00e+0	5.15e-4 lbs/hr	
Cadmium	504C1R2	0.00e+0	3.70e-3 lbs/hr	
Cadmium	504C1R3	0.00e+0	3.67e-3 lbs/hr	
Cadmium	504C1R4	0.00e+0	3.05e-3 lbs/hr	
Cadmium	504C1R5	0.00e+0	7.27e-4 lbs/hr	
Chromium	504C1R1	0.00e+0	1.80e-1 lbs/hr	
Chromium	504C1R2	0.00e+0	2.67e+0 lbs/hr	
Chromium	504C1R3	0.00e+0	2.58e+0 lbs/hr	
Chromium	504C1R4	0.00e+0	2.34e+0 lbs/hr	
Chromium	504C1R5	0.00e+0	3.23e-1 lbs/hr	
Lead	504C1R1	0.00e+0	1.89e-2 lbs/hr	
Lead	504C1R2	0.00e+0	4.07e-1 lbs/hr	
Lead	504C1R3	0.00e+0	4.01e-1 lbs/hr	
Lead	504C1R4	0.00e+0	3.36e-1 lbs/hr	
Lead	504C1R5	0.00e+0	4.76e-2 lbs/hr	
Mercury	504C1R1	0.00e+0	8.51e-6 lbs/hr	
Mercury	504C1R2	0.00e+0	8.80e-4 lbs/hr	
Mercury	504C1R3	0.00e+0	6.93e-4 lbs/hr	
Mercury	504C1R4	0.00e+0	8.80e-4 lbs/hr	
Mercury	504C1R5	0.00e+0	2.08e-4 lbs/hr	
Silver	504C1R1	0.00e+0	8.51e-5 lbs/hr	
Silver	504C1R2	0.00e+0	9.40e-4 lbs/hr	
Silver	504C1R3	0.00e+0	8.29e-4 lbs/hr	
Silver	504C1R4	0.00e+0	7.19e-4 lbs/hr	
Silver	504C1R5	0.00e+0	8.51e-5 lbs/hr	
Thallium	504C1R1	0.00e+0	4.25e-5 lbs/hr	
Thallium	504C1R2	0.00e+0	1.32e-4 lbs/hr	
Thallium	504C1R3	0.00e+0	1.36e-4 lbs/hr	
Thallium	504C1R4	0.00e+0	1.15e-4 lbs/hr	
Thallium	504C1R5	0.00e+0	4.25e-5 lbs/hr	

5. Type: FB MATERIAL

6. Description: BED MATERIAL

Group: FLUIDIZED BED

Location: PRIMARY CHAMBER

Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	504C1R1	0.00e+0	3.07e-3 lbs/hr	
Antimony	504C1R2	0.00e+0	-1.24e-3 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: PA
 3. CITY: PHILADELPHIA
 4. EP ID: 504 DEVICE NAME:

EPA ID: PAD049791098
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/C

REGION: 3

Antimony	504C1R3	0.00e+0	5.80e-3 lbs/hr
Antimony	504C1R4	0.00e+0	-9.67e-4 lbs/hr
Antimony	504C1R5	0.00e+0	7.73e-3 lbs/hr
Arsenic	504C1R1	0.00e+0	-1.02e-3 lbs/hr
Arsenic	504C1R2	0.00e+0	-2.90e-4 lbs/hr
Arsenic	504C1R3	0.00e+0	3.29e-3 lbs/hr
Arsenic	504C1R4	0.00e+0	9.67e-4 lbs/hr
Arsenic	504C1R5	0.00e+0	-3.87e-3 lbs/hr
Barium	504C1R1	0.00e+0	-1.28e-2 lbs/hr
Barium	504C1R2	0.00e+0	-8.29e-4 lbs/hr
Barium	504C1R3	0.00e+0	2.13e-2 lbs/hr
Barium	504C1R4	0.00e+0	-2.90e-3 lbs/hr
Beryllium	504C1R1	0.00e+0	3.48e-4 lbs/hr
Beryllium	504C1R2	0.00e+0	-2.90e-5 lbs/hr
Beryllium	504C1R3	0.00e+0	1.35e-4 lbs/hr
Beryllium	504C1R4	0.00e+0	-2.42e-5 lbs/hr
Beryllium	504C1R5	0.00e+0	2.51e-4 lbs/hr
Cadmium	504C1R1	0.00e+0	2.05e-4 lbs/hr
Cadmium	504C1R2	0.00e+0	1.24e-4 lbs/hr
Cadmium	504C1R3	0.00e+0	-2.71e-3 lbs/hr
Cadmium	504C1R4	0.00e+0	7.25e-4 lbs/hr
Cadmium	504C1R5	0.00e+0	-2.13e-3 lbs/hr
Chromium	504C1R1	0.00e+0	-7.37e-2 lbs/hr
Chromium	504C1R2	0.00e+0	1.03e-1 lbs/hr
Chromium	504C1R3	0.00e+0	3.34e-1 lbs/hr
Chromium	504C1R4	0.00e+0	-4.83e-2 lbs/hr
Chromium	504C1R5	0.00e+0	1.93e-1 lbs/hr
Lead	504C1R1	0.00e+0	-3.07e-3 lbs/hr
Lead	504C1R2	0.00e+0	2.94e-2 lbs/hr
Lead	504C1R3	0.00e+0	1.16e-1 lbs/hr
Lead	504C1R4	0.00e+0	-1.93e-2 lbs/hr
Lead	504C1R5	0.00e+0	6.19e-2 lbs/hr
Mercury	504C1R1	0.00e+0	4.50e-4 lbs/hr
Mercury	504C1R2	0.00e+0	-4.14e-6 lbs/hr
Mercury	504C1R3	0.00e+0	5.80e-5 lbs/hr
Mercury	504C1R5	0.00e+0	-1.93e-5 lbs/hr
Silver	504C1R1	0.00e+0	1.23e-3 lbs/hr
Silver	504C1R2	0.00e+0	-1.66e-4 lbs/hr
Silver	504C1R3	0.00e+0	7.73e-4 lbs/hr
Silver	504C1R4	0.00e+0	-1.45e-4 lbs/hr
Silver	504C1R5	0.00e+0	1.35e-3 lbs/hr
Thallium	504C1R1	0.00e+0	-5.22e-4 lbs/hr
Thallium	504C1R2	0.00e+0	-1.24e-5 lbs/hr
Thallium	504C1R3	0.00e+0	9.67e-5 lbs/hr
Thallium	504C1R4	0.00e+0	-3.38e-5 lbs/hr
Thallium	504C1R5	0.00e+0	1.35e-4 lbs/hr

5. Type: FUEL

6. Description: CUTTER OIL

Group: FLUIDIZED BED

Location: COMBUSTOR

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	504C1R1	ND 1.53e+2 ug/g	1.54e-1 lbs/hr	CE
Chlorine	504C1R2	1.63e+2 ug/g	2.94e-1 lbs/hr	CE
Chlorine	504C1R3	ND 1.48e+2 ug/g	2.50e-1 lbs/hr	CE
Chlorine	504C1R4	ND 1.49e+2 ug/g	2.52e-1 lbs/hr	CE
Chlorine	504C1R5	1.75e+2 ug/g	1.46e-1 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	504C1R1	ND 1.50e+0 ug/g	1.51e-3 lbs/hr	CE
Antimony	504C1R2	ND 1.60e+0 ug/g	2.89e-3 lbs/hr	CE
Antimony	504C1R3	ND 1.70e+0 ug/g	2.87e-3 lbs/hr	CE
Antimony	504C1R4	ND 1.50e+0 ug/g	2.54e-3 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: PA
 3. CITY: PHILADELPHIA
 4. EP ID: 504 DEVICE NAME:

EPA ID: PAD049791098
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/C REGION: 3

Antimony	504C1R5	ND	1.70e+0	ug/g	1.42e-3	lbs/hr	CE
Arsenic	504C1R1	ND	2.90e-1	ug/g	2.92e-4	lbs/hr	CE
Arsenic	504C1R2	ND	3.00e-1	ug/g	5.42e-4	lbs/hr	CE
Arsenic	504C1R3	ND	2.90e-1	ug/g	4.90e-4	lbs/hr	CE
Arsenic	504C1R4	ND	2.90e-1	ug/g	4.90e-4	lbs/hr	CE
Arsenic	504C1R5	ND	2.80e-1	ug/g	2.34e-4	lbs/hr	CE
Barium	504C1R1	ND	8.80e-2	ug/g	8.87e-5	lbs/hr	CE
Barium	504C1R2	ND	1.60e-1	ug/g	2.89e-4	lbs/hr	CE
Barium	504C1R3	ND	9.80e-2	ug/g	1.66e-4	lbs/hr	CE
Barium	504C1R4	ND	8.90e-2	ug/g	1.50e-4	lbs/hr	CE
Barium	504C1R5	ND	9.70e-2	ug/g	8.11e-5	lbs/hr	CE
Beryllium	504C1R1	ND	1.80e-1	ug/g	1.81e-4	lbs/hr	CE
Beryllium	504C1R2	ND	1.90e-1	ug/g	3.43e-4	lbs/hr	CE
Beryllium	504C1R3	ND	2.00e-1	ug/g	3.38e-4	lbs/hr	CE
Beryllium	504C1R4	ND	1.80e-1	ug/g	3.04e-4	lbs/hr	CE
Beryllium	504C1R5	ND	1.90e-1	ug/g	1.59e-4	lbs/hr	CE
Cadmium	504C1R1	ND	4.40e-1	ug/g	4.44e-4	lbs/hr	CE
Cadmium	504C1R2	ND	4.80e-1	ug/g	8.67e-4	lbs/hr	CE
Cadmium	504C1R3	ND	4.90e-1	ug/g	8.28e-4	lbs/hr	CE
Cadmium	504C1R4	ND	4.50e-1	ug/g	7.61e-4	lbs/hr	CE
Cadmium	504C1R5	ND	4.90e-1	ug/g	4.10e-4	lbs/hr	CE
Chromium	504C1R1	ND	4.10e-1	ug/g	4.13e-4	lbs/hr	CE
Chromium	504C1R2	ND	3.80e-1	ug/g	6.86e-4	lbs/hr	CE
Chromium	504C1R3	ND	3.90e-1	ug/g	6.59e-4	lbs/hr	CE
Chromium	504C1R4	ND	3.60e-1	ug/g	6.09e-4	lbs/hr	CE
Chromium	504C1R5	ND	3.90e-1	ug/g	3.26e-4	lbs/hr	CE
Lead	504C1R1	ND	2.00e-1	ug/g	2.02e-4	lbs/hr	CE
Lead	504C1R2	ND	2.00e-1	ug/g	3.61e-4	lbs/hr	CE
Lead	504C1R3	ND	1.90e-1	ug/g	3.21e-4	lbs/hr	CE
Lead	504C1R4	ND	2.00e-1	ug/g	3.38e-4	lbs/hr	CE
Lead	504C1R5	ND	1.90e-1	ug/g	1.59e-4	lbs/hr	CE
Mercury	504C1R1	ND	1.00e-1	ug/g	1.01e-4	lbs/hr	CE
Mercury	504C1R2	ND	9.50e-2	ug/g	1.72e-4	lbs/hr	CE
Mercury	504C1R3	ND	9.90e-2	ug/g	1.67e-4	lbs/hr	CE
Mercury	504C1R4	ND	9.60e-2	ug/g	1.62e-4	lbs/hr	CE
Mercury	504C1R5	ND	9.60e-2	ug/g	8.03e-5	lbs/hr	CE
Silver	504C1R1	ND	2.40e-1	ug/g	2.42e-4	lbs/hr	CE
Silver	504C1R2	ND	1.90e-1	ug/g	3.43e-4	lbs/hr	CE
Silver	504C1R3	ND	2.00e-1	ug/g	3.38e-4	lbs/hr	CE
Silver	504C1R4	ND	3.30e-1	ug/g	5.58e-4	lbs/hr	CE
Silver	504C1R5	ND	1.90e-1	ug/g	1.59e-4	lbs/hr	CE
Thallium	504C1R1	ND	2.00e-1	ug/g	2.02e-4	lbs/hr	CE
Thallium	504C1R2	ND	2.00e-1	ug/g	3.61e-4	lbs/hr	CE
Thallium	504C1R3	ND	1.90e-2	ug/g	3.21e-5	lbs/hr	CE
Thallium	504C1R4	ND	2.00e-1	ug/g	3.38e-4	lbs/hr	CE
Thallium	504C1R5	ND	1.90e-1	ug/g	1.59e-4	lbs/hr	CE

5. Type: MC ASH

6. Description:

Group: FLUIDIZED BED

Location: CYCLONE

Phase: SOLID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	504C1R1	0.00e+0	3.11e-5 lbs/hr	
Antimony	504C1R2	0.00e+0	9.60e-4 lbs/hr	
Antimony	504C1R3	0.00e+0	1.60e-3 lbs/hr	
Antimony	504C1R4	0.00e+0	1.02e-3 lbs/hr	
Antimony	504C1R5	0.00e+0	1.46e-4 lbs/hr	
Arsenic	504C1R1	0.00e+0	8.21e-5 lbs/hr	
Arsenic	504C1R2	0.00e+0	1.42e-3 lbs/hr	
Arsenic	504C1R3	0.00e+0	3.30e-3 lbs/hr	
Arsenic	504C1R4	0.00e+0	1.94e-3 lbs/hr	
Arsenic	504C1R5	0.00e+0	2.92e-4 lbs/hr	
Barium	504C1R1	0.00e+0	1.84e-3 lbs/hr	
Barium	504C1R2	0.00e+0	2.96e-2 lbs/hr	
Barium	504C1R3	0.00e+0	6.16e-2 lbs/hr	
Barium	504C1R4	0.00e+0	4.04e-2 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: PA
 3. CITY: PHILADELPHIA
 4. EP ID: 504 DEVICE NAME:

EPA ID: PAD049791098
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/C

REGION: 3

Barium	504C1R5	0.00e+0	4.98e-3 lbs/hr	
Beryllium	504C1R1	0.00e+0	1.03e-6 lbs/hr	
Beryllium	504C1R2	0.00e+0	1.64e-5 lbs/hr	
Beryllium	504C1R3	0.00e+0	6.20e-5 lbs/hr	
Beryllium	504C1R4	0.00e+0	5.20e-5 lbs/hr	
Beryllium	504C1R5	0.00e+0	5.80e-6 lbs/hr	
Cadmium	504C1R1	0.00e+0	1.67e-5 lbs/hr	
Cadmium	504C1R2	0.00e+0	2.00e-4 lbs/hr	
Cadmium	504C1R3	0.00e+0	4.00e-4 lbs/hr	
Cadmium	504C1R4	0.00e+0	3.00e-4 lbs/hr	
Cadmium	504C1R5	0.00e+0	6.60e-5 lbs/hr	
Chromium	504C1R1	0.00e+0	7.48e-3 lbs/hr	
Chromium	504C1R2	0.00e+0	1.39e-1 lbs/hr	
Chromium	504C1R3	0.00e+0	3.80e-1 lbs/hr	
Chromium	504C1R4	0.00e+0	2.40e-1 lbs/hr	
Chromium	504C1R5	0.00e+0	2.80e-2 lbs/hr	
Lead	504C1R1	0.00e+0	7.25e-4 lbs/hr	
Lead	504C1R2	0.00e+0	2.76e-2 lbs/hr	
Lead	504C1R3	0.00e+0	6.82e-2 lbs/hr	
Lead	504C1R4	0.00e+0	4.34e-2 lbs/hr	
Lead	504C1R5	0.00e+0	4.26e-3 lbs/hr	
Mercury	504C1R1	0.00e+0	1.07e-6 lbs/hr	
Mercury	504C1R2	0.00e+0	1.94e-5 lbs/hr	
Mercury	504C1R3	0.00e+0	1.98e-5 lbs/hr	
Mercury	504C1R4	0.00e+0	1.94e-5 lbs/hr	
Mercury	504C1R5	0.00e+0	2.20e-6 lbs/hr	
Silver	504C1R1	0.00e+0	5.22e-6 lbs/hr	
Silver	504C1R2	0.00e+0	7.60e-5 lbs/hr	
Silver	504C1R3	0.00e+0	1.46e-4 lbs/hr	
Silver	504C1R4	0.00e+0	1.34e-4 lbs/hr	
Silver	504C1R5	0.00e+0	1.80e-5 lbs/hr	
Thallium	504C1R1	0.00e+0	1.08e-6 lbs/hr	
Thallium	504C1R2	0.00e+0	1.58e-5 lbs/hr	
Thallium	504C1R3	0.00e+0	2.80e-5 lbs/hr	
Thallium	504C1R4	0.00e+0	1.90e-5 lbs/hr	
Thallium	504C1R5	0.00e+0	1.62e-6 lbs/hr	

5. Type: SPIKE

6. Description: METALS (AS,CD,CR,SB,PB,HG)
 Group: FLUIDIZED BED

Location: PRIMARY CHAMBER

Phase: ?

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	504C1R2	0.00e+0	5.94e-2 lbs/hr	
Antimony	504C1R3	0.00e+0	5.95e-2 lbs/hr	
Antimony	504C1R4	0.00e+0	5.93e-2 lbs/hr	
Arsenic	504C1R2	0.00e+0	2.87e-2 lbs/hr	
Arsenic	504C1R3	0.00e+0	2.87e-2 lbs/hr	
Arsenic	504C1R4	0.00e+0	2.88e-2 lbs/hr	
Cadmium	504C1R2	0.00e+0	4.92e-3 lbs/hr	
Cadmium	504C1R3	0.00e+0	4.92e-3 lbs/hr	
Cadmium	504C1R4	0.00e+0	4.92e-3 lbs/hr	
Chromium	504C1R2	0.00e+0	2.77e+0 lbs/hr	
Chromium	504C1R3	0.00e+0	2.77e+0 lbs/hr	
Chromium	504C1R4	0.00e+0	2.77e+0 lbs/hr	
Lead	504C1R2	0.00e+0	7.72e-1 lbs/hr	
Lead	504C1R3	0.00e+0	7.68e-1 lbs/hr	
Lead	504C1R4	0.00e+0	7.65e-1 lbs/hr	
Mercury	504C1R2	0.00e+0	1.45e-1 lbs/hr	
Mercury	504C1R3	0.00e+0	1.44e-1 lbs/hr	
Mercury	504C1R4	0.00e+0	1.45e-1 lbs/hr	

5. Type: WASTE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: PA
 3. CITY: PHILADELPHIA
 4. EP ID: 504 DEVICE NAME:

EPA ID: PAD049791098
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/C

REGION: 3

6. Description: API SEP SLUDGE
 Group: FLUIDIZED BED

Location: PRIMARY CHAMBER

Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	504C1R2	1.99e+2	ug/g	5.76e-1 lbs/hr	CE
Chlorine	504C1R3	5.12e+2	ug/g	1.39e+0 lbs/hr	CE
Chlorine	504C1R4	7.51e+2	ug/g	1.97e+0 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	504C1R2	5.30e+0	ug/g	1.53e-2 lbs/hr	CE
Antimony	504C1R3	6.60e+0	ug/g	1.80e-2 lbs/hr	CE
Antimony	504C1R4	7.90e+0	ug/g	2.07e-2 lbs/hr	CE
Arsenic	504C1R2	3.40e+0	ug/g	9.84e-3 lbs/hr	CE
Arsenic	504C1R3	4.90e+0	ug/g	1.33e-2 lbs/hr	CE
Arsenic	504C1R4	4.20e+0	ug/g	1.10e-2 lbs/hr	CE
Barium	504C1R2	1.13e+2	ug/g	3.27e-1 lbs/hr	CE
Barium	504C1R3	1.12e+2	ug/g	3.05e-1 lbs/hr	CE
Barium	504C1R4	1.12e+2	ug/g	2.94e-1 lbs/hr	CE
Beryllium	504C1R2	1.40e-1	ug/g	4.05e-4 lbs/hr	CE
Beryllium	504C1R3	ND 9.60e-2	ug/g	2.61e-4 lbs/hr	CE
Beryllium	504C1R4	ND 9.50e-2	ug/g	2.49e-4 lbs/hr	CE
Cadmium	504C1R2	1.20e+0	ug/g	3.47e-3 lbs/hr	CE
Cadmium	504C1R3	9.80e-1	ug/g	2.67e-3 lbs/hr	CE
Cadmium	504C1R4	8.60e-1	ug/g	2.26e-3 lbs/hr	CE
Chromium	504C1R2	6.28e+2	ug/g	1.82e+0 lbs/hr	CE
Chromium	504C1R3	6.49e+2	ug/g	1.77e+0 lbs/hr	CE
Chromium	504C1R4	6.40e+2	ug/g	1.68e+0 lbs/hr	CE
Lead	504C1R2	4.81e+1	ug/g	1.39e-1 lbs/hr	CE
Lead	504C1R3	5.14e+1	ug/g	1.40e-1 lbs/hr	CE
Lead	504C1R4	4.49e+1	ug/g	1.18e-1 lbs/hr	CE
Mercury	504C1R2	8.90e-1	ug/g	2.58e-3 lbs/hr	CE
Mercury	504C1R3	8.40e-1	ug/g	2.29e-3 lbs/hr	CE
Mercury	504C1R4	8.10e-1	ug/g	2.12e-3 lbs/hr	CE
Silver	504C1R2	1.70e+0	ug/g	4.92e-3 lbs/hr	CE
Silver	504C1R3	1.60e+0	ug/g	4.35e-3 lbs/hr	CE
Silver	504C1R4	1.50e+0	ug/g	3.93e-3 lbs/hr	CE
Thallium	504C1R2	ND 1.90e-1	ug/g	5.50e-4 lbs/hr	CE
Thallium	504C1R4	ND 1.63e-1	ug/g	4.27e-4 lbs/hr	CE

6. Description: BIO-ALUM SLUDGE
 Group: FLUIDIZED BED

Location: COMBUSTOR

Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	504C1R2	5.06e+2	ug/g	2.98e+0 lbs/hr	CE
Chlorine	504C1R3	5.22e+2	ug/g	2.93e+0 lbs/hr	CE
Chlorine	504C1R4	5.89e+2	ug/g	3.30e+0 lbs/hr	CE

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	504C1R2	ND 2.10e+0	ug/g	1.24e-2 lbs/hr	CE
Antimony	504C1R3	ND 2.10e+0	ug/g	1.18e-2 lbs/hr	CE
Antimony	504C1R4	ND 2.30e+0	ug/g	1.29e-2 lbs/hr	CE
Arsenic	504C1R2	1.30e+0	ug/g	7.65e-3 lbs/hr	CE
Arsenic	504C1R3	2.20e+0	ug/g	1.24e-2 lbs/hr	CE
Arsenic	504C1R4	4.00e+0	ug/g	2.24e-2 lbs/hr	CE
Barium	504C1R2	5.27e+1	ug/g	3.10e-1 lbs/hr	CE
Barium	504C1R3	4.40e+1	ug/g	2.47e-1 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CHEVRON CHEMICAL CO.
 2. STATE: PA
 3. CITY: PHILADELPHIA
 4. EP ID: 504 DEVICE NAME:

EPA ID: PAD049791098
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: VS/C

REGION: 3

Barium	504C1R4	4.00e+1	ug/g	2.24e-1	lbs/hr	CE	
Beryllium	504C1R2	2.10e-1	ug/g	1.24e-3	lbs/hr	CE	
Beryllium	504C1R3	9.30e-2	ug/g	5.23e-4	lbs/hr	CE	
Beryllium	504C1R4	9.90e-2	ug/g	5.55e-4	lbs/hr	CE	
Cadmium	504C1R2	5.20e-1	ug/g	3.06e-3	lbs/hr	CE	
Cadmium	504C1R3	4.60e-1	ug/g	2.58e-3	lbs/hr	CE	
Cadmium	504C1R4	5.00e-1	ug/g	2.80e-3	lbs/hr	CE	
Chromium	504C1R2	8.84e+1	ug/g	5.20e-1	lbs/hr	CE	
Chromium	504C1R3	7.46e+1	ug/g	4.19e-1	lbs/hr	CE	
Chromium	504C1R4	6.81e+1	ug/g	3.82e-1	lbs/hr	CE	
Lead	504C1R2	1.71e+1	ug/g	1.01e-1	lbs/hr	CE	
Lead	504C1R3	1.80e+1	ug/g	1.01e-1	lbs/hr	CE	
Lead	504C1R4	1.92e+1	ug/g	1.08e-1	lbs/hr	CE	
Mercury	504C1R2	2.60e-1	ug/g	1.53e-3	lbs/hr	CE	
Mercury	504C1R3	3.70e-1	ug/g	2.08e-3	lbs/hr	CE	
Mercury	504C1R4	2.60e-1	ug/g	1.46e-3	lbs/hr	CE	
Silver	504C1R2	7.70e-1	ug/g	4.53e-3	lbs/hr	CE	
Silver	504C1R3	4.80e-1	ug/g	2.70e-3	lbs/hr	CE	
Silver	504C1R4	4.90e-1	ug/g	2.75e-3	lbs/hr	CE	
Thallium	504C1R2	ND	2.00e-1	ug/g	1.18e-3	lbs/hr	CE
Thallium	504C1R3	ND	1.90e-1	ug/g	1.07e-3	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION
 2. STATE: AL
 3. CITY: McIntOSH EPA ALD001221902 REGION: 4
 4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/VIS/ESP/PT

5. Type: BA ASH

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

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	705C1R3	3.65e+0	ug/g	0.00e+0	
Antimony	705C2R1	5.06e+1	ug/g	0.00e+0	
Antimony	705C2R2	1.85e+1	ug/g	0.00e+0	
Antimony	705C2R3	1.82e+1	ug/g	0.00e+0	
Arsenic	705C1R3	2.74e-1	ug/g	0.00e+0	
Arsenic	705C2R1	1.22e+0	ug/g	0.00e+0	
Arsenic	705C2R2	4.57e+0	ug/g	0.00e+0	
Arsenic	705C2R3	6.04e+0	ug/g	0.00e+0	
Barium	705C1R3	9.05e+0	ug/g	0.00e+0	
Barium	705C2R1	7.44e+1	ug/g	0.00e+0	
Barium	705C2R2	9.22e+1	ug/g	0.00e+0	
Barium	705C2R3	1.12e+2	ug/g	0.00e+0	
Beryllium	705C1R3	1.10e-1	ug/g	0.00e+0	
Beryllium	705C2R1	3.81e-1	ug/g	0.00e+0	
Beryllium	705C2R2	1.84e-1	ug/g	0.00e+0	
Beryllium	705C2R3	1.14e-1	ug/g	0.00e+0	
Cadmium	705C1R3	1.84e+0	ug/g	0.00e+0	
Cadmium	705C2R1	3.20e+0	ug/g	0.00e+0	
Cadmium	705C2R2	8.37e+0	ug/g	0.00e+0	
Cadmium	705C2R3	4.10e+0	ug/g	0.00e+0	
Chromium	705C1R3	7.68e+0	ug/g	0.00e+0	
Chromium	705C2R1	2.27e+1	ug/g	0.00e+0	
Chromium	705C2R2	8.37e+1	ug/g	0.00e+0	
Chromium	705C2R3	3.08e+1	ug/g	0.00e+0	
Lead	705C1R3	4.86e+0	ug/g	0.00e+0	
Lead	705C2R1	5.03e+1	ug/g	0.00e+0	
Lead	705C2R2	1.34e+1	ug/g	0.00e+0	
Lead	705C2R3	2.95e+1	ug/g	0.00e+0	
Mercury	705C1R3	ND 1.05e-1	ug/g	0.00e+0	
Mercury	705C2R1	ND 3.05e-1	ug/g	0.00e+0	
Mercury	705C2R2	ND 4.08e-1	ug/g	0.00e+0	
Mercury	705C2R3	ND 3.24e-1	ug/g	0.00e+0	
Selenium	705C1R3	1.26e-1	ug/g	0.00e+0	
Selenium	705C2R1	3.66e-1	ug/g	0.00e+0	
Selenium	705C2R2	6.53e-1	ug/g	0.00e+0	
Selenium	705C2R3	ND 3.24e-1	ug/g	0.00e+0	
Silver	705C1R3	2.11e-1	ug/g	0.00e+0	
Silver	705C2R1	1.52e-2	ug/g	0.00e+0	
Silver	705C2R2	2.04e-2	ug/g	0.00e+0	
Silver	705C2R3	4 8.33e-2	ug/g	0.00e+0	
Thallium	705C1R3	ND 1.05e-1	ug/g	0.00e+0	
Thallium	705C2R1	ND 3.05e-1	ug/g	0.00e+0	
Thallium	705C2R2	ND 4.08e-1	ug/g	0.00e+0	
Thallium	705C2R3	ND 3.24e-1	ug/g	0.00e+0	

5. Type: BLOWDOWN

6. Description: H2O EFFLUENT
 Group: ROTARY KILN Location: QUENCH TANK Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	705C1R1	3.99e-1	mg/l	5.26e-3	lbs/hr
Antimony	705C1R2	9.70e-2	mg/l	9.06e-4	lbs/hr
Antimony	705C1R3	9.00e-2	mg/l	7.31e-4	lbs/hr
Antimony	705C2R1	7.65e+0	mg/l	5.86e-2	lbs/hr
Antimony	705C2R2	2.59e+0	mg/l	1.99e-2	lbs/hr
Antimony	705C2R3	3.04e+0	mg/l	3.62e-2	lbs/hr
Arsenic	705C1R1	8.20e-2	mg/l	1.08e-3	lbs/hr

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: AL

3. CITY: McINTOSH

EPA ID: ALD001221902

REGION: 4

4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/ESP/PT

Arsenic	705C1R2		2.80e-2	mg/l	2.61e-4	lbs/hr
Arsenic	705C1R3		3.60e-2	mg/l	2.93e-4	lbs/hr
Arsenic	705C2R1		6.80e-2	mg/l	5.21e-4	lbs/hr
Arsenic	705C2R2		5.60e-2	mg/l	4.29e-4	lbs/hr
Arsenic	705C2R3		1.88e-1	mg/l	2.24e-3	lbs/hr
Barium	705C1R1		2.51e-1	mg/l	3.31e-3	lbs/hr
Barium	705C1R2		1.62e-1	mg/l	1.51e-3	lbs/hr
Barium	705C1R3		2.38e-1	mg/l	1.93e-3	lbs/hr
Barium	705C2R1		2.31e-1	mg/l	1.77e-3	lbs/hr
Barium	705C2R2		2.87e-1	mg/l	2.20e-3	lbs/hr
Barium	705C2R3		2.48e-1	mg/l	2.95e-3	lbs/hr
Beryllium	705C1R1		4.00e-3	mg/l	5.27e-5	lbs/hr
Beryllium	705C1R2	ND	2.00e-4	mg/l	1.87e-6	lbs/hr
Beryllium	705C1R3		3.00e-4	mg/l	2.44e-6	lbs/hr
Beryllium	705C2R1		7.00e-4	mg/l	5.36e-6	lbs/hr
Beryllium	705C2R2		3.00e-4	mg/l	2.30e-6	lbs/hr
Beryllium	705C2R3		4.00e-4	mg/l	4.77e-6	lbs/hr
Cadmium	705C1R1		1.05e-1	mg/l	1.38e-3	lbs/hr
Cadmium	705C1R2		1.80e-2	mg/l	1.68e-4	lbs/hr
Cadmium	705C1R3		1.30e-2	mg/l	1.06e-4	lbs/hr
Cadmium	705C2R1		4.89e-1	mg/l	3.74e-3	lbs/hr
Cadmium	705C2R2		1.28e-1	mg/l	9.81e-4	lbs/hr
Cadmium	705C2R3		6.00e-1	mg/l	7.15e-3	lbs/hr
Chromium	705C1R1		7.40e-1	mg/l	9.75e-3	lbs/hr
Chromium	705C1R2		2.39e-1	mg/l	2.23e-3	lbs/hr
Chromium	705C1R3		2.14e-1	mg/l	1.74e-3	lbs/hr
Chromium	705C2R1		1.00e-1	mg/l	7.66e-4	lbs/hr
Chromium	705C2R2		8.20e-2	mg/l	6.29e-4	lbs/hr
Chromium	705C2R3		8.50e-2	mg/l	1.01e-3	lbs/hr
Lead	705C1R1		8.00e+0	mg/l	1.05e-1	lbs/hr
Lead	705C1R2		2.20e+0	mg/l	2.05e-2	lbs/hr
Lead	705C1R3		4.60e+0	mg/l	3.74e-2	lbs/hr
Lead	705C2R1		1.04e+1	mg/l	7.96e-2	lbs/hr
Lead	705C2R2		6.00e+0	mg/l	4.60e-2	lbs/hr
Lead	705C2R3		1.56e+1	mg/l	1.86e-1	lbs/hr
Mercury	705C1R1		6.00e-4	mg/l	7.91e-6	lbs/hr
Mercury	705C1R2		3.00e-4	mg/l	2.80e-6	lbs/hr
Mercury	705C1R3		4.00e-4	mg/l	3.25e-6	lbs/hr
Mercury	705C2R1		1.00e-2	mg/l	7.66e-5	lbs/hr
Mercury	705C2R2		1.40e-2	mg/l	1.07e-4	lbs/hr
Mercury	705C2R3		6.50e-3	mg/l	7.74e-5	lbs/hr
Selenium	705C1R1	ND	4.00e-2	mg/l	5.27e-4	lbs/hr
Selenium	705C1R2	ND	4.00e-2	mg/l	3.74e-4	lbs/hr
Selenium	705C1R3	ND	4.00e-2	mg/l	3.25e-4	lbs/hr
Selenium	705C2R1	ND	4.00e-2	mg/l	3.06e-4	lbs/hr
Selenium	705C2R2	ND	2.00e-3	mg/l	1.53e-5	lbs/hr
Selenium	705C2R3		5.00e-3	mg/l	5.96e-5	lbs/hr
Silver	705C1R1		5.22e-2	mg/l	6.88e-4	lbs/hr
Silver	705C1R2		1.23e-2	mg/l	1.15e-4	lbs/hr
Silver	705C1R3		2.20e-3	mg/l	1.79e-5	lbs/hr
Silver	705C2R1		1.37e-2	mg/l	1.05e-4	lbs/hr
Silver	705C2R2		1.14e-2	mg/l	8.74e-5	lbs/hr
Silver	705C2R3		9.00e-3	mg/l	1.07e-4	lbs/hr
Thallium	705C1R1	ND	2.00e-3	mg/l	2.64e-5	lbs/hr
Thallium	705C1R2	ND	2.00e-3	mg/l	1.87e-5	lbs/hr
Thallium	705C1R3	ND	2.00e-3	mg/l	1.63e-5	lbs/hr
Thallium	705C2R1	ND	2.00e-3	mg/l	1.53e-5	lbs/hr
Thallium	705C2R2	ND	2.00e-3	mg/l	1.53e-5	lbs/hr
Thallium	705C2R3	ND	2.00e-3	mg/l	2.38e-5	lbs/hr

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc
Hexachloroethane	705C1R1	ND	1.00e-2	mg/l	1.32e-4	lbs/hr
Hexachloroethane	705C1R2	ND	1.00e-2	mg/l	9.34e-5	lbs/hr
Hexachloroethane	705C1R3	ND	1.00e-2	mg/l	8.13e-5	lbs/hr
Hexachloroethane	705C2R1	ND	1.00e-2	mg/l	7.66e-5	lbs/hr
Hexachloroethane	705C2R2	ND	1.00e-2	mg/l	7.67e-5	lbs/hr
Hexachloroethane	705C2R3	ND	1.00e-2	mg/l	1.19e-4	lbs/hr

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: AL

3. CITY: McIntOSH

EPA ID: ALD001221902

REGION: 4

4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/ESP/PT

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
Chlorobenzene	705C1R1	ND	5.00e-3	mg/l	6.59e-5 lbs/hr	
Chlorobenzene	705C1R2	ND	5.00e-3	mg/l	4.67e-5 lbs/hr	
Chlorobenzene	705C1R3	ND	5.00e-3	mg/l	4.06e-5 lbs/hr	
Chlorobenzene	705C2R1	ND	5.00e-3	mg/l	3.83e-5 lbs/hr	
Chlorobenzene	705C2R2	ND	5.00e-3	mg/l	3.83e-5 lbs/hr	
Chlorobenzene	705C2R3	ND	5.00e-3	mg/l	5.96e-5 lbs/hr	
Tetrachloroethene	705C1R1	ND	5.00e-3	mg/l	6.59e-5 lbs/hr	
Tetrachloroethene	705C1R2	ND	5.00e-3	mg/l	4.67e-5 lbs/hr	
Tetrachloroethene	705C1R3	ND	5.00e-3	mg/l	4.06e-5 lbs/hr	
Tetrachloroethene	705C2R1	ND	5.00e-3	mg/l	3.83e-5 lbs/hr	
Tetrachloroethene	705C2R2	ND	5.00e-3	mg/l	3.83e-5 lbs/hr	
Tetrachloroethene	705C2R3	ND	5.00e-3	mg/l	5.96e-5 lbs/hr	
Toluene	705C1R1	ND	5.00e-3	mg/l	6.59e-5 lbs/hr	
Toluene	705C1R2	ND	5.00e-3	mg/l	4.67e-5 lbs/hr	
Toluene	705C1R3	ND	5.00e-3	mg/l	4.06e-5 lbs/hr	
Toluene	705C2R1	ND	5.00e-3	mg/l	3.83e-5 lbs/hr	
Toluene	705C2R2		2.30e-3	mg/l	1.76e-5 lbs/hr	
Toluene	705C2R3	ND	5.00e-3	mg/l	5.96e-5 lbs/hr	

6. Description: H2O EFFLUENT

Group: ROTARY KILN

Location: ESP

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate	Calc
Antimony	705C1R1		9.70e-1	mg/l	1.98e-3 lbs/hr	
Antimony	705C1R2		1.24e-1	mg/l	5.40e-4 lbs/hr	
Antimony	705C1R3		1.19e-1	mg/l	3.89e-4 lbs/hr	
Antimony	705C2R1		8.70e+0	mg/l	4.38e-2 lbs/hr	
Antimony	705C2R2		2.68e+0	mg/l	1.35e-2 lbs/hr	
Antimony	705C2R3		6.75e+0	mg/l	3.15e-2 lbs/hr	
Arsenic	705C1R1		4.40e-2	mg/l	8.99e-5 lbs/hr	
Arsenic	705C1R2		1.00e-2	mg/l	4.36e-5 lbs/hr	
Arsenic	705C1R3		6.00e-3	mg/l	1.96e-5 lbs/hr	
Arsenic	705C2R1		9.80e-2	mg/l	4.94e-4 lbs/hr	
Arsenic	705C2R2		1.16e-1	mg/l	5.83e-4 lbs/hr	
Arsenic	705C2R3		1.65e-1	mg/l	7.69e-4 lbs/hr	
Barium	705C1R1		5.60e-2	mg/l	1.14e-4 lbs/hr	
Barium	705C1R2	ND	5.00e-2	mg/l	2.18e-4 lbs/hr	
Barium	705C1R3	ND	5.00e-2	mg/l	1.64e-4 lbs/hr	
Barium	705C2R1		6.30e-2	mg/l	3.18e-4 lbs/hr	
Barium	705C2R2		1.57e-1	mg/l	7.89e-4 lbs/hr	
Barium	705C2R3		1.79e-1	mg/l	8.34e-4 lbs/hr	
Beryllium	705C1R1		2.00e-4	mg/l	4.09e-7 lbs/hr	
Beryllium	705C1R2	ND	2.00e-4	mg/l	8.72e-7 lbs/hr	
Beryllium	705C1R3		2.00e-4	mg/l	6.54e-7 lbs/hr	
Beryllium	705C2R1		4.00e-4	mg/l	2.02e-6 lbs/hr	
Beryllium	705C2R2		3.00e-4	mg/l	1.51e-6 lbs/hr	
Beryllium	705C2R3		4.00e-4	mg/l	1.86e-6 lbs/hr	
Cadmium	705C1R1		1.53e-1	mg/l	3.13e-4 lbs/hr	
Cadmium	705C1R2		3.00e-2	mg/l	1.31e-4 lbs/hr	
Cadmium	705C1R3		2.30e-2	mg/l	7.52e-5 lbs/hr	
Cadmium	705C2R1		7.96e-1	mg/l	4.01e-3 lbs/hr	
Cadmium	705C2R2		3.58e-1	mg/l	1.80e-3 lbs/hr	
Cadmium	705C2R3		1.30e+0	mg/l	6.06e-3 lbs/hr	
Chromium	705C1R1		4.66e-1	mg/l	9.53e-4 lbs/hr	
Chromium	705C1R2		2.26e-1	mg/l	9.85e-4 lbs/hr	
Chromium	705C1R3		1.32e-1	mg/l	4.32e-4 lbs/hr	
Chromium	705C2R1		9.60e-2	mg/l	4.84e-4 lbs/hr	
Chromium	705C2R2		9.40e-2	mg/l	4.72e-4 lbs/hr	
Chromium	705C2R3		1.06e-1	mg/l	4.94e-4 lbs/hr	
Lead	705C1R1		6.60e+0	mg/l	1.35e-2 lbs/hr	
Lead	705C1R2		1.43e+0	mg/l	6.23e-3 lbs/hr	
Lead	705C1R3		1.40e+0	mg/l	4.58e-3 lbs/hr	
Lead	705C2R1		1.40e+1	mg/l	7.06e-2 lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: AL

3. CITY: McIntOSH

EPA ALD001221902

REGION: 4

4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/V5/ESP/PT

Lead	705C2R2		1.05e+1	mg/l	5.28e-2	lbs/hr
Lead	705C2R3		1.77e+1	mg/l	8.25e-2	lbs/hr
Mercury	705C1R1		2.30e-3	mg/l	4.70e-6	lbs/hr
Mercury	705C1R2		3.20e-3	mg/l	1.39e-5	lbs/hr
Mercury	705C1R3		1.20e-3	mg/l	3.93e-6	lbs/hr
Mercury	705C2R1		7.70e-3	mg/l	3.88e-5	lbs/hr
Mercury	705C2R2		7.00e-3	mg/l	3.52e-5	lbs/hr
Mercury	705C2R3		4.50e-3	mg/l	2.10e-5	lbs/hr
Selenium	705C1R1	ND	2.00e-3	mg/l	4.09e-6	lbs/hr
Selenium	705C1R2	ND	2.00e-3	mg/l	8.72e-6	lbs/hr
Selenium	705C1R3	ND	2.00e-3	mg/l	6.54e-6	lbs/hr
Selenium	705C2R1		4.00e-3	mg/l	2.02e-5	lbs/hr
Selenium	705C2R2		3.00e-3	mg/l	1.51e-5	lbs/hr
Selenium	705C2R3		4.00e-3	mg/l	1.86e-5	lbs/hr
Silver	705C1R1		3.88e-2	mg/l	7.93e-5	lbs/hr
Silver	705C1R2		1.90e-2	mg/l	8.28e-5	lbs/hr
Silver	705C1R3		1.09e-2	mg/l	3.57e-5	lbs/hr
Silver	705C2R1		2.13e-2	mg/l	1.07e-4	lbs/hr
Silver	705C2R2		2.46e-2	mg/l	1.24e-4	lbs/hr
Silver	705C2R3		2.00e-2	mg/l	9.32e-5	lbs/hr
Thallium	705C1R1	ND	2.00e-3	mg/l	4.09e-6	lbs/hr
Thallium	705C1R2	ND	2.00e-3	mg/l	8.72e-6	lbs/hr
Thallium	705C1R3	ND	2.00e-3	mg/l	6.54e-6	lbs/hr
Thallium	705C2R1	ND	2.00e-3	mg/l	1.01e-5	lbs/hr
Thallium	705C2R2	ND	2.00e-3	mg/l	1.01e-5	lbs/hr
Thallium	705C2R3	ND	2.00e-3	mg/l	9.32e-6	lbs/hr

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate		Calc
Hexachloroethane	705C1R1	ND	1.00e-2	mg/l	2.04e-5	lbs/hr	
Hexachloroethane	705C1R2	ND	1.00e-2	mg/l	4.36e-5	lbs/hr	
Hexachloroethane	705C1R3	ND	1.00e-2	mg/l	3.27e-5	lbs/hr	
Hexachloroethane	705C2R1	ND	1.00e-2	mg/l	5.04e-5	lbs/hr	
Hexachloroethane	705C2R2	ND	1.00e-2	mg/l	5.03e-5	lbs/hr	
Hexachloroethane	705C2R3	ND	1.00e-2	mg/l	4.66e-5	lbs/hr	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate		Calc
Chlorobenzene	705C1R1	ND	5.00e-3	mg/l	1.02e-5	lbs/hr	
Chlorobenzene	705C1R2	ND	5.00e-3	mg/l	2.18e-5	lbs/hr	
Chlorobenzene	705C1R3	ND	5.00e-3	mg/l	1.64e-5	lbs/hr	
Chlorobenzene	705C2R1	ND	5.00e-3	mg/l	2.52e-5	lbs/hr	
Chlorobenzene	705C2R2	ND	5.00e-3	mg/l	2.51e-5	lbs/hr	
Chlorobenzene	705C2R3	ND	5.00e-3	mg/l	2.33e-5	lbs/hr	
Tetrachloroethene	705C1R1	ND	5.00e-3	mg/l	1.02e-5	lbs/hr	
Tetrachloroethene	705C1R2	ND	5.00e-3	mg/l	2.18e-5	lbs/hr	
Tetrachloroethene	705C1R3	ND	5.00e-3	mg/l	1.64e-5	lbs/hr	
Tetrachloroethene	705C2R1	ND	5.00e-3	mg/l	2.52e-5	lbs/hr	
Tetrachloroethene	705C2R2	ND	5.00e-3	mg/l	2.51e-5	lbs/hr	
Tetrachloroethene	705C2R3	ND	5.00e-3	mg/l	2.33e-5	lbs/hr	
Toluene	705C1R1	ND	5.00e-3	mg/l	1.02e-5	lbs/hr	
Toluene	705C1R2	ND	5.00e-3	mg/l	2.18e-5	lbs/hr	
Toluene	705C1R3	ND	5.00e-3	mg/l	1.64e-5	lbs/hr	
Toluene	705C2R1	ND	1.40e-3	mg/l	7.06e-6	lbs/hr	
Toluene	705C2R2	ND	5.00e-3	mg/l	2.51e-5	lbs/hr	
Toluene	705C2R3	ND	5.00e-3	mg/l	2.33e-5	lbs/hr	

6. Description: H2O EFFLUENT

Group: ROTARY KILN

Location: PACKED TOWER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration			Mass Rate		Calc
Antimony	705C1R1		1.30e-2	mg/l	7.65e-5	lbs/hr	
Antimony	705C1R2	ND	1.00e-2	mg/l	1.20e-4	lbs/hr	
Antimony	705C1R3	ND	1.00e-2	mg/l	1.03e-4	lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: AL

3. CITY: McIntOSH

EPA ALD001221902

REGION: 4

4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/ESP/PT

Antimony	705C2R1	1.29e-1	mg/l	1.07e-3	lbs/hr	
Antimony	705C2R2	9.70e-2	mg/l	6.67e-4	lbs/hr	
Antimony	705C2R3	6.90e-2	mg/l	8.97e-4	lbs/hr	
Arsenic	705C1R1	ND	5.00e-3	mg/l	2.94e-5	lbs/hr
Arsenic	705C1R2	ND	5.00e-3	mg/l	6.01e-5	lbs/hr
Arsenic	705C1R3	ND	5.00e-3	mg/l	5.14e-5	lbs/hr
Arsenic	705C2R1	ND	5.00e-3	mg/l	4.14e-5	lbs/hr
Arsenic	705C2R2	ND	5.00e-3	mg/l	3.44e-5	lbs/hr
Arsenic	705C2R3	ND	5.00e-3	mg/l	6.50e-5	lbs/hr
Barium	705C1R1	ND	5.00e-2	mg/l	2.94e-4	lbs/hr
Barium	705C1R2	ND	5.00e-2	mg/l	6.01e-4	lbs/hr
Barium	705C1R3	ND	5.00e-2	mg/l	5.14e-4	lbs/hr
Barium	705C2R1	ND	5.00e-2	mg/l	4.14e-4	lbs/hr
Barium	705C2R2	ND	5.00e-2	mg/l	3.44e-4	lbs/hr
Barium	705C2R3	ND	5.00e-2	mg/l	6.50e-4	lbs/hr
Beryllium	705C1R1	ND	2.00e-4	mg/l	1.18e-6	lbs/hr
Beryllium	705C1R2	ND	2.00e-4	mg/l	2.40e-6	lbs/hr
Beryllium	705C1R3	ND	2.00e-4	mg/l	2.06e-6	lbs/hr
Beryllium	705C2R1	ND	2.00e-4	mg/l	1.66e-6	lbs/hr
Beryllium	705C2R2	ND	2.00e-4	mg/l	1.38e-6	lbs/hr
Beryllium	705C2R3	ND	2.00e-4	mg/l	2.60e-6	lbs/hr
Cadmium	705C1R1	9.00e-4	mg/l	5.30e-6	lbs/hr	
Cadmium	705C1R2	ND	1.00e-4	mg/l	1.20e-6	lbs/hr
Cadmium	705C1R3	ND	1.00e-4	mg/l	1.03e-6	lbs/hr
Cadmium	705C2R1	1.50e-2	mg/l	1.24e-4	lbs/hr	
Cadmium	705C2R2	2.00e-3	mg/l	1.38e-5	lbs/hr	
Cadmium	705C2R3	2.00e-3	mg/l	2.60e-5	lbs/hr	
Chromium	705C1R1	2.50e-2	mg/l	1.47e-4	lbs/hr	
Chromium	705C1R2	1.30e-2	mg/l	1.56e-4	lbs/hr	
Chromium	705C1R3	1.30e-2	mg/l	1.34e-4	lbs/hr	
Chromium	705C2R1	8.00e-3	mg/l	6.63e-5	lbs/hr	
Chromium	705C2R2	6.00e-3	mg/l	4.13e-5	lbs/hr	
Chromium	705C2R3	5.00e-3	mg/l	6.50e-5	lbs/hr	
Lead	705C1R1	1.80e-1	mg/l	1.06e-3	lbs/hr	
Lead	705C1R2	2.40e-2	mg/l	2.89e-4	lbs/hr	
Lead	705C1R3	2.90e-2	mg/l	2.98e-4	lbs/hr	
Lead	705C2R1	2.20e-1	mg/l	1.82e-3	lbs/hr	
Lead	705C2R2	1.50e-1	mg/l	1.03e-3	lbs/hr	
Lead	705C2R3	1.98e-1	mg/l	2.58e-3	lbs/hr	
Mercury	705C1R1	3.00e-4	mg/l	1.77e-6	lbs/hr	
Mercury	705C1R2	2.00e-4	mg/l	2.40e-6	lbs/hr	
Mercury	705C1R3	ND	2.00e-4	mg/l	2.06e-6	lbs/hr
Mercury	705C2R1	2.50e-3	mg/l	2.07e-5	lbs/hr	
Mercury	705C2R2	3.50e-3	mg/l	2.41e-5	lbs/hr	
Mercury	705C2R3	1.10e-3	mg/l	1.43e-5	lbs/hr	
Selenium	705C1R1	ND	2.00e-3	mg/l	1.18e-5	lbs/hr
Selenium	705C1R2	ND	2.00e-3	mg/l	2.40e-5	lbs/hr
Selenium	705C1R3	ND	2.00e-3	mg/l	2.06e-5	lbs/hr
Selenium	705C2R1	ND	2.00e-3	mg/l	1.66e-5	lbs/hr
Selenium	705C2R2	ND	2.00e-3	mg/l	1.38e-5	lbs/hr
Selenium	705C2R3	ND	2.00e-3	mg/l	2.60e-5	lbs/hr
Silver	705C1R1	1.80e-3	mg/l	1.06e-5	lbs/hr	
Silver	705C1R2	4.00e-4	mg/l	4.81e-6	lbs/hr	
Silver	705C1R3	5.00e-4	mg/l	5.14e-6	lbs/hr	
Silver	705C2R1	6.00e-4	mg/l	4.97e-6	lbs/hr	
Silver	705C2R2	6.00e-4	mg/l	4.13e-6	lbs/hr	
Silver	705C2R3	8.00e-3	mg/l	1.04e-4	lbs/hr	
Thallium	705C1R1	ND	2.00e-3	mg/l	1.18e-5	lbs/hr
Thallium	705C1R2	ND	2.00e-3	mg/l	2.40e-5	lbs/hr
Thallium	705C1R3	ND	2.00e-3	mg/l	2.06e-5	lbs/hr
Thallium	705C2R1	ND	2.00e-3	mg/l	1.66e-5	lbs/hr
Thallium	705C2R2	ND	2.00e-3	mg/l	1.38e-5	lbs/hr
Thallium	705C2R3	ND	2.00e-3	mg/l	2.60e-5	lbs/hr

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Hexachloroethane	705C1R1	ND 1.00e-2 mg/l	5.89e-5 lbs/hr	
Hexachloroethane	705C1R2	ND 1.00e-2 mg/l	1.20e-4 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: AL

3. CITY: McIntOSH

EPA ALD001221902

REGION: 4

4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/ESP/PT

Hexachloroethane	705C1R3	ND	1.00e-2	mg/l	1.03e-4	lbs/hr
Hexachloroethane	705C2R1	ND	1.00e-2	mg/l	8.29e-5	lbs/hr
Hexachloroethane	705C2R2	ND	1.00e-2	mg/l	6.88e-5	lbs/hr
Hexachloroethane	705C2R3	ND	1.00e-2	mg/l	1.30e-4	lbs/hr

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Chlorobenzene	705C1R1	ND	5.00e-3	mg/l	2.94e-5	lbs/hr	
Chlorobenzene	705C1R2	ND	5.00e-3	mg/l	6.01e-5	lbs/hr	
Chlorobenzene	705C1R3	ND	5.00e-3	mg/l	5.14e-5	lbs/hr	
Chlorobenzene	705C2R1		6.90e-3	mg/l	5.72e-5	lbs/hr	
Chlorobenzene	705C2R2	ND	5.00e-3	mg/l	3.44e-5	lbs/hr	
Chlorobenzene	705C2R3	ND	5.00e-3	mg/l	6.50e-5	lbs/hr	
Tetrachloroethene	705C1R1	ND	5.00e-3	mg/l	2.94e-5	lbs/hr	
Tetrachloroethene	705C1R2	ND	5.00e-3	mg/l	6.01e-5	lbs/hr	
Tetrachloroethene	705C1R3	ND	5.00e-3	mg/l	5.14e-5	lbs/hr	
Tetrachloroethene	705C2R1	ND	5.00e-3	mg/l	4.14e-5	lbs/hr	
Tetrachloroethene	705C2R2	ND	5.00e-3	mg/l	3.44e-5	lbs/hr	
Tetrachloroethene	705C2R3	ND	5.00e-3	mg/l	6.50e-5	lbs/hr	
Toluene	705C1R1	ND	5.00e-3	mg/l	2.94e-5	lbs/hr	
Toluene	705C1R2	ND	5.00e-3	mg/l	6.01e-5	lbs/hr	
Toluene	705C1R3	ND	5.00e-3	mg/l	5.14e-5	lbs/hr	
Toluene	705C2R1		2.90e-2	mg/l	2.40e-4	lbs/hr	
Toluene	705C2R2		3.70e-3	mg/l	2.55e-5	lbs/hr	
Toluene	705C2R3	ND	5.00e-3	mg/l	6.50e-5	lbs/hr	

5. Type: WASTE

6. Description: ORGANIC

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Antimony	705C1R1	ND	9.44e-3	ug/g	1.80e-5	lbs/hr	CE
Antimony	705C1R2	ND	9.44e-3	ug/g	2.00e-5	lbs/hr	CE
Antimony	705C1R3	ND	9.44e-3	ug/g	1.85e-5	lbs/hr	CE
Antimony	705C2R1	ND	9.44e-3	ug/g	9.52e-6	lbs/hr	CE
Antimony	705C2R2	ND	9.44e-3	ug/g	6.51e-6	lbs/hr	CE
Antimony	705C2R3	ND	9.44e-3	ug/g	9.52e-6	lbs/hr	CE
Arsenic	705C1R1	ND	4.72e-3	ug/g	9.02e-6	lbs/hr	CE
Arsenic	705C1R2	ND	4.72e-3	ug/g	1.00e-5	lbs/hr	CE
Arsenic	705C1R3	ND	4.72e-3	ug/g	9.27e-6	lbs/hr	CE
Arsenic	705C2R1	ND	4.72e-3	ug/g	4.76e-6	lbs/hr	CE
Arsenic	705C2R2	ND	4.72e-3	ug/g	3.26e-6	lbs/hr	CE
Arsenic	705C2R3	ND	4.72e-3	ug/g	4.76e-6	lbs/hr	CE
Barium	705C1R1	ND	4.72e-2	ug/g	9.02e-5	lbs/hr	CE
Barium	705C1R2	ND	4.72e-2	ug/g	1.00e-4	lbs/hr	CE
Barium	705C1R3	ND	4.72e-2	ug/g	9.27e-5	lbs/hr	CE
Barium	705C2R1	ND	4.72e-2	ug/g	4.76e-5	lbs/hr	CE
Barium	705C2R2	ND	4.72e-2	ug/g	3.26e-5	lbs/hr	CE
Barium	705C2R3	ND	4.72e-2	ug/g	4.76e-5	lbs/hr	CE
Beryllium	705C1R1	ND	1.89e-4	ug/g	3.61e-7	lbs/hr	CE
Beryllium	705C1R2	ND	1.89e-4	ug/g	4.01e-7	lbs/hr	CE
Beryllium	705C1R3	ND	1.89e-4	ug/g	3.71e-7	lbs/hr	CE
Beryllium	705C2R1	ND	1.89e-4	ug/g	1.90e-7	lbs/hr	CE
Beryllium	705C2R2	ND	1.89e-4	ug/g	1.30e-7	lbs/hr	CE
Beryllium	705C2R3	ND	1.89e-4	ug/g	1.90e-7	lbs/hr	CE
Cadmium	705C1R1	ND	9.44e-5	ug/g	1.80e-7	lbs/hr	CE
Cadmium	705C1R2		4.72e-4	ug/g	1.00e-6	lbs/hr	CE
Cadmium	705C1R3	ND	9.44e-5	ug/g	1.85e-7	lbs/hr	CE
Cadmium	705C2R1	ND	9.44e-5	ug/g	9.52e-8	lbs/hr	CE
Cadmium	705C2R2	ND	9.44e-5	ug/g	6.51e-8	lbs/hr	CE
Cadmium	705C2R3	ND	9.44e-5	ug/g	9.52e-8	lbs/hr	CE
Chromium	705C1R1		1.70e-2	ug/g	3.25e-5	lbs/hr	CE
Chromium	705C1R2		6.61e-3	ug/g	1.40e-5	lbs/hr	CE
Chromium	705C1R3	ND	9.44e-4	ug/g	1.85e-6	lbs/hr	CE
Chromium	705C2R1	ND	9.44e-4	ug/g	9.52e-7	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION
 2. STATE: AL
 3. CITY: McIntOSH
 4. EP ID: 705

EPA ID: ALD001221902

REGION: 4

DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/ESP/PT

Chromium	705C2R2		6.61e-3	ug/g	4.56e-6	lbs/hr	CE
Chromium	705C2R3		9.44e-3	ug/g	9.52e-6	lbs/hr	CE
Lead	705C1R1		4.72e-3	ug/g	9.02e-6	lbs/hr	CE
Lead	705C1R2		1.79e-2	ug/g	3.81e-5	lbs/hr	CE
Lead	705C1R3	ND	1.89e-3	ug/g	3.71e-6	lbs/hr	CE
Lead	705C2R1		1.89e-3	ug/g	1.90e-6	lbs/hr	CE
Lead	705C2R2	ND	1.89e-3	ug/g	1.30e-6	lbs/hr	CE
Lead	705C2R3		5.67e-3	ug/g	5.71e-6	lbs/hr	CE
Mercury	705C1R1	ND	1.89e-3	ug/g	3.61e-6	lbs/hr	CE
Mercury	705C1R2	ND	1.89e-3	ug/g	4.01e-6	lbs/hr	CE
Mercury	705C1R3	ND	1.89e-3	ug/g	3.71e-6	lbs/hr	CE
Mercury	705C2R1	ND	1.89e-1	ug/g	1.90e-4	lbs/hr	CE
Mercury	705C2R2	ND	1.89e-3	ug/g	1.30e-6	lbs/hr	CE
Mercury	705C2R3	ND	9.54e-2	ug/g	9.62e-5	lbs/hr	CE
Selenium	705C1R1	ND	1.89e-3	ug/g	3.61e-6	lbs/hr	CE
Selenium	705C1R2	ND	1.89e-3	ug/g	4.01e-6	lbs/hr	CE
Selenium	705C1R3	ND	1.89e-3	ug/g	3.71e-6	lbs/hr	CE
Selenium	705C2R1	ND	1.89e-3	ug/g	1.90e-6	lbs/hr	CE
Selenium	705C2R2	ND	1.89e-3	ug/g	1.30e-6	lbs/hr	CE
Selenium	705C2R3	ND	1.89e-3	ug/g	1.90e-6	lbs/hr	CE
Silver	705C1R1	ND	9.44e-5	ug/g	1.80e-7	lbs/hr	CE
Silver	705C1R2		1.89e-4	ug/g	4.01e-7	lbs/hr	CE
Silver	705C1R3	ND	9.44e-5	ug/g	1.85e-7	lbs/hr	CE
Silver	705C2R1	ND	9.44e-5	ug/g	9.52e-8	lbs/hr	CE
Silver	705C2R2	ND	9.44e-5	ug/g	6.51e-8	lbs/hr	CE
Silver	705C2R3	ND	9.44e-5	ug/g	9.52e-8	lbs/hr	CE
Thallium	705C1R1	ND	1.89e-3	ug/g	3.61e-6	lbs/hr	CE
Thallium	705C1R2	ND	1.89e-3	ug/g	4.01e-6	lbs/hr	CE
Thallium	705C1R3	ND	1.89e-3	ug/g	3.71e-6	lbs/hr	CE
Thallium	705C2R1	ND	1.89e-3	ug/g	1.90e-6	lbs/hr	CE
Thallium	705C2R2	ND	1.89e-3	ug/g	1.30e-6	lbs/hr	CE
Thallium	705C2R3	ND	1.89e-3	ug/g	1.90e-6	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Hexachloroethane	705C1R1	5.00e+4	ug/g	9.55e+1	lbs/hr	CE
Hexachloroethane	705C1R2	4.50e+4	ug/g	9.55e+1	lbs/hr	CE
Hexachloroethane	705C1R3	3.10e+4	ug/g	6.09e+1	lbs/hr	CE
Hexachloroethane	705C2R1	3.10e+4	ug/g	3.13e+1	lbs/hr	CE
Hexachloroethane	705C2R2	3.00e+4	ug/g	2.07e+1	lbs/hr	CE
Hexachloroethane	705C2R3	0.00e+0		0.00e+0		

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorobenzene	705C1R1	3.00e+5	ug/g	5.73e+2	lbs/hr	CE
Chlorobenzene	705C1R2	2.96e+5	ug/g	6.28e+2	lbs/hr	CE
Chlorobenzene	705C1R3	2.96e+5	ug/g	5.81e+2	lbs/hr	CE
Chlorobenzene	705C2R1	3.00e+5	ug/g	3.02e+2	lbs/hr	CE
Chlorobenzene	705C2R2	3.06e+5	ug/g	2.11e+2	lbs/hr	CE
Chlorobenzene	705C2R3	3.06e+5	ug/g	3.08e+2	lbs/hr	CE
Tetrachloroethene	705C1R1	6.20e+4	ug/g	1.18e+2	lbs/hr	CE
Tetrachloroethene	705C1R2	7.00e+4	ug/g	1.49e+2	lbs/hr	CE
Tetrachloroethene	705C1R3	6.00e+4	ug/g	1.18e+2	lbs/hr	CE
Tetrachloroethene	705C2R1	6.20e+4	ug/g	6.25e+1	lbs/hr	CE
Tetrachloroethene	705C2R2	5.70e+4	ug/g	3.93e+1	lbs/hr	CE
Tetrachloroethene	705C2R3	6.25e+4	ug/g	6.30e+1	lbs/hr	CE
Toluene	705C1R1	5.88e+5	ug/g	1.12e+3	lbs/hr	CE
Toluene	705C1R2	5.90e+5	ug/g	1.25e+3	lbs/hr	CE
Toluene	705C1R3	6.14e+5	ug/g	1.21e+3	lbs/hr	CE
Toluene	705C2R1	6.07e+5	ug/g	6.12e+2	lbs/hr	CE
Toluene	705C2R2	6.07e+5	ug/g	4.19e+2	lbs/hr	CE
Toluene	705C2R3	6.32e+5	ug/g	6.37e+2	lbs/hr	CE

6. Description: TRASH

Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: AL

3. CITY: McINTOSH

EPA ID: ALD001221902

REGION: 4

4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/ESP/PT

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Antimony	705C2R1	ND	1.62e+0 ug/g	4.25e-3 lbs/hr	CE
Antimony	705C2R2		1.47e+0 ug/g	3.65e-3 lbs/hr	CE
Antimony	705C2R3	ND	7.09e-1 ug/g	1.61e-3 lbs/hr	CE
Arsenic	705C2R1	ND	8.09e-1 ug/g	2.12e-3 lbs/hr	CE
Arsenic	705C2R2	ND	4.36e-1 ug/g	1.08e-3 lbs/hr	CE
Arsenic	705C2R3	ND	3.55e-1 ug/g	8.08e-4 lbs/hr	CE
Barium	705C2R1		1.23e+1 ug/g	3.23e-2 lbs/hr	CE
Barium	705C2R2		6.98e+0 ug/g	1.74e-2 lbs/hr	CE
Barium	705C2R3		7.23e+0 ug/g	1.65e-2 lbs/hr	CE
Beryllium	705C2R1	ND	3.24e-2 ug/g	8.50e-5 lbs/hr	CE
Beryllium	705C2R2	ND	7.50e-2 ug/g	1.86e-4 lbs/hr	CE
Beryllium	705C2R3	ND	1.42e-2 ug/g	3.23e-5 lbs/hr	CE
Cadmium	705C2R1		3.24e-2 ug/g	8.50e-5 lbs/hr	CE
Cadmium	705C2R2		4.36e-2 ug/g	1.08e-4 lbs/hr	CE
Cadmium	705C2R3		7.09e-2 ug/g	1.61e-4 lbs/hr	CE
Chromium	705C2R1		4.37e+0 ug/g	1.15e-2 lbs/hr	CE
Chromium	705C2R2		5.55e+1 ug/g	1.38e-1 lbs/hr	CE
Chromium	705C2R3		1.06e+0 ug/g	2.41e-3 lbs/hr	CE
Lead	705C2R1		8.09e+0 ug/g	2.12e-2 lbs/hr	CE
Lead	705C2R2		2.09e+0 ug/g	5.20e-3 lbs/hr	CE
Lead	705C2R3		1.89e+0 ug/g	4.30e-3 lbs/hr	CE
Mercury	705C2R1	ND	3.24e-1 ug/g	8.51e-4 lbs/hr	CE
Mercury	705C2R2	ND	1.75e-1 ug/g	4.35e-4 lbs/hr	CE
Mercury	705C2R3	ND	1.42e-1 ug/g	3.23e-4 lbs/hr	CE
Selenium	705C2R1	ND	3.24e-1 ug/g	8.51e-4 lbs/hr	CE
Selenium	705C2R2	ND	1.75e-1 ug/g	4.35e-4 lbs/hr	CE
Selenium	705C2R3	ND	1.42e-1 ug/g	3.23e-4 lbs/hr	CE
Silver	705C2R1		6.47e-2 ug/g	1.70e-4 lbs/hr	CE
Silver	705C2R2		1.75e-2 ug/g	4.35e-5 lbs/hr	CE
Silver	705C2R3		7.09e-3 ug/g	1.61e-5 lbs/hr	CE
Thallium	705C2R1	ND	3.24e-1 ug/g	8.51e-4 lbs/hr	CE
Thallium	705C2R2	ND	1.75e-1 ug/g	4.35e-4 lbs/hr	CE
Thallium	705C2R3	ND	1.42e-1 ug/g	3.23e-4 lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: LA

3. CITY: BATON ROUGE

EPA ID: LAD053783445

REGION: 6

4. EP ID: 706 DEVICE NAME: INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/HS/C

5. Type: WASTE

6. Description: ORGANIC

Group: LIQUID DOWN FIRED

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	706C1R1	2.04e+5	ug/g	4.89e+2 lbs/hr	CC
Chlorine	706C1R1	1.98e+5	ug/g	4.75e+2 lbs/hr	CC
Chlorine	706C1R2	1.97e+5	ug/g	4.74e+2 lbs/hr	CC
Chlorine	706C1R2	1.92e+5	ug/g	4.61e+2 lbs/hr	CC
Chlorine	706C1R3	2.07e+5	ug/g	4.96e+2 lbs/hr	CC
Chlorine	706C1R3	2.01e+5	ug/g	4.83e+2 lbs/hr	CC
Chlorine	706C2R1	2.05e+5	ug/g	4.91e+2 lbs/hr	CC
Chlorine	706C2R1	1.99e+5	ug/g	4.78e+2 lbs/hr	CC
Chlorine	706C2R2	2.05e+5	ug/g	4.91e+2 lbs/hr	CC
Chlorine	706C2R2	1.99e+5	ug/g	4.78e+2 lbs/hr	CC
Chlorine	706C2R3	2.08e+5	ug/g	5.13e+2 lbs/hr	CC
Chlorine	706C2R3	2.02e+5	ug/g	4.99e+2 lbs/hr	CC
Chlorine	706C3R1	2.06e+5	ug/g	2.90e+2 lbs/hr	CC
Chlorine	706C3R1	2.00e+5	ug/g	2.82e+2 lbs/hr	CC
Chlorine	706C3R2	2.05e+5	ug/g	3.00e+2 lbs/hr	CC
Chlorine	706C3R2	1.99e+5	ug/g	2.92e+2 lbs/hr	CC
Chlorine	706C3R3	2.02e+5	ug/g	2.97e+2 lbs/hr	CC
Chlorine	706C3R3	1.96e+5	ug/g	2.89e+2 lbs/hr	CC

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
1,2-Dichlorobenzene	706C1R1	1.15e+5	ug/g	2.76e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C1R2	1.13e+5	ug/g	2.71e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C1R3	1.11e+5	ug/g	2.66e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C2R1	1.13e+5	ug/g	2.71e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C2R2	1.15e+5	ug/g	2.76e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C2R3	1.14e+5	ug/g	2.81e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C3R1	1.13e+5	ug/g	1.59e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C3R2	1.14e+5	ug/g	1.67e+2 lbs/hr	CE
1,2-Dichlorobenzene	706C3R3	1.16e+5	ug/g	1.71e+2 lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	706C1R1	1.59e+5	ug/g	3.82e+2 lbs/hr	CE
Carbon Tetrachloride	706C1R2	1.65e+5	ug/g	3.96e+2 lbs/hr	CE
Carbon Tetrachloride	706C1R3	1.58e+5	ug/g	3.79e+2 lbs/hr	CE
Carbon Tetrachloride	706C2R1	1.65e+5	ug/g	3.96e+2 lbs/hr	CE
Carbon Tetrachloride	706C2R2	1.56e+5	ug/g	3.74e+2 lbs/hr	CE
Carbon Tetrachloride	706C2R3	1.60e+5	ug/g	3.95e+2 lbs/hr	CE
Carbon Tetrachloride	706C3R1	1.56e+5	ug/g	2.20e+2 lbs/hr	CE
Carbon Tetrachloride	706C3R2	1.56e+5	ug/g	2.29e+2 lbs/hr	CE
Carbon Tetrachloride	706C3R3	1.55e+5	ug/g	2.29e+2 lbs/hr	CE
Toluene	706C1R1	5.79e+5	ug/g	1.39e+3 lbs/hr	CE
Toluene	706C1R2	5.81e+5	ug/g	1.39e+3 lbs/hr	CE
Toluene	706C1R3	5.75e+5	ug/g	1.38e+3 lbs/hr	CE
Toluene	706C2R1	5.88e+5	ug/g	1.41e+3 lbs/hr	CE
Toluene	706C2R2	6.00e+5	ug/g	1.44e+3 lbs/hr	CE
Toluene	706C2R3	5.92e+5	ug/g	1.46e+3 lbs/hr	CE
Toluene	706C3R1	6.10e+5	ug/g	8.59e+2 lbs/hr	CE
Toluene	706C3R2	6.02e+5	ug/g	8.83e+2 lbs/hr	CE
Toluene	706C3R3	6.01e+5	ug/g	8.86e+2 lbs/hr	CE

6. Description: AQUEOUS

Group: LIQUID DOWN FIRED

Location: SINGLE CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	706C1R1	ND	1.00e+0 ug/g	1.35e-2 lbs/hr	CE

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: CIBA-GEIGY CORPORATION

2. STATE: LA

3. CITY: BATON ROUGE

EPA ID: LAD053783445

REGION: 6

4. EP ID: 706 DEVICE NAME: INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/HS/C

Chlorine	706C1R2	ND	1.00e+0	ug/g	1.35e-2	lbs/hr	CE
Chlorine	706C1R3	ND	1.00e+0	ug/g	2.47e-3	lbs/hr	CE
Chlorine	706C2R1	ND	1.00e+0	ug/g	1.14e-2	lbs/hr	CE
Chlorine	706C2R2	ND	1.00e+0	ug/g	1.14e-2	lbs/hr	CE
Chlorine	706C2R3	ND	1.00e+0	ug/g	1.14e-2	lbs/hr	CE
Chlorine	706C3R1		4.00e+0	ug/g	2.69e-2	lbs/hr	CE
Chlorine	706C3R2	ND	1.00e+0	ug/g	6.81e-3	lbs/hr	CE
Chlorine	706C3R3	ND	1.00e+0	ug/g	6.82e-3	lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
1,2-Dichlorobenzene	706C1R1	ND	5.26e-2	ug/g	7.10e-4	lbs/hr	CE
1,2-Dichlorobenzene	706C1R2	ND	3.55e-2	ug/g	4.79e-4	lbs/hr	CE
1,2-Dichlorobenzene	706C1R3	ND	1.00e-2	ug/g	2.47e-5	lbs/hr	CE
1,2-Dichlorobenzene	706C2R1	ND	1.00e-2	ug/g	1.14e-4	lbs/hr	CE
1,2-Dichlorobenzene	706C2R2	ND	1.00e-2	ug/g	1.14e-4	lbs/hr	CE
1,2-Dichlorobenzene	706C2R3	ND	1.00e-2	ug/g	1.14e-4	lbs/hr	CE
1,2-Dichlorobenzene	706C3R1	ND	1.00e-2	ug/g	6.71e-5	lbs/hr	CE
1,2-Dichlorobenzene	706C3R2	ND	1.00e-2	ug/g	6.81e-5	lbs/hr	CE
1,2-Dichlorobenzene	706C3R3	ND	1.00e-2	ug/g	6.82e-5	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate		Calc
Carbon Tetrachloride	706C1R1		5.84e-2	ug/g	7.88e-4	lbs/hr	CE
Carbon Tetrachloride	706C1R2		1.02e-1	ug/g	1.38e-3	lbs/hr	CE
Carbon Tetrachloride	706C1R3		1.27e-2	ug/g	3.14e-5	lbs/hr	CE
Carbon Tetrachloride	706C2R1		1.39e-2	ug/g	1.58e-4	lbs/hr	CE
Carbon Tetrachloride	706C2R2		2.02e-2	ug/g	2.30e-4	lbs/hr	CE
Carbon Tetrachloride	706C2R3	ND	1.00e-2	ug/g	1.14e-4	lbs/hr	CE
Carbon Tetrachloride	706C3R1	ND	1.00e-2	ug/g	6.71e-5	lbs/hr	CE
Carbon Tetrachloride	706C3R2	ND	1.00e-2	ug/g	6.81e-5	lbs/hr	CE
Carbon Tetrachloride	706C3R3	ND	1.95e-2	ug/g	1.33e-4	lbs/hr	CE
Toluene	706C1R1		4.76e-1	ug/g	6.43e-3	lbs/hr	CE
Toluene	706C1R2		4.05e-1	ug/g	5.47e-3	lbs/hr	CE
Toluene	706C1R3		1.08e-1	ug/g	2.67e-4	lbs/hr	CE
Toluene	706C2R1		1.14e-1	ug/g	1.30e-3	lbs/hr	CE
Toluene	706C2R2		1.11e-1	ug/g	1.27e-3	lbs/hr	CE
Toluene	706C2R3		1.13e-1	ug/g	1.29e-3	lbs/hr	CE
Toluene	706C3R1		9.91e-1	ug/g	6.65e-3	lbs/hr	CE
Toluene	706C3R2		9.98e-1	ug/g	6.80e-3	lbs/hr	CE
Toluene	706C3R3		1.04e-1	ug/g	7.10e-4	lbs/hr	CE

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: COOK COMPOSITES
 2. STATE: WI
 3. CITY: PORT WASHINGTON EPA WID980615439 REGION: 5
 4. EP ID: 784 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: SPIKE

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

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichloroethane	784C1R1	3.77e+4 ug/g	1.63e+1 lbs/hr	CC
1,2-Dichloroethane	784C1R2	3.97e+4 ug/g	1.73e+1 lbs/hr	CC
1,2-Dichloroethane	784C1R3	3.95e+4 ug/g	1.71e+1 lbs/hr	CC
1,2-Dichloroethane	784C2R1	3.60e+4 ug/g	1.82e+1 lbs/hr	CC
1,2-Dichloroethane	784C2R2	3.84e+4 ug/g	1.96e+1 lbs/hr	CC
1,2-Dichloroethane	784C2R3	3.96e+4 ug/g	1.99e+1 lbs/hr	CC

5. Type: TIER I

6. Description: METALS FEED LIMIT
 Group: ? Location: SINGLE CHAMBER Phase: LIQUID

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Mercury	784C1R1	0.00e+0	3.30e-1 lbs/hr	
Mercury	784C1R2	0.00e+0	3.30e-1 lbs/hr	
Mercury	784C1R3	0.00e+0	3.30e-1 lbs/hr	
Mercury	784C2R1	0.00e+0	3.30e-1 lbs/hr	
Mercury	784C2R2	0.00e+0	3.30e-1 lbs/hr	
Mercury	784C2R3	0.00e+0	3.30e-1 lbs/hr	

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DEPARTMENT OF ENERGY
 2. STATE: TN
 3. CITY: OAK RIDGE
 4. EP ID: 357 DEVICE NAME: K-25

EPA ID: TN0890090004
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 4
 APC SYSTEM: QC/VS/PT/IWS

5. Type: BA ASH

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

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachloroethane	357C1R1	ND	4.00e-1 ug/g	0.00e+0	
Hexachloroethane	357C1R2	ND	4.00e-1 ug/g	0.00e+0	
Hexachloroethane	357C1R3	ND	5.00e-1 ug/g	0.00e+0	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	357C1R2	1.20e-2	ug/g	0.00e+0	
Carbon Tetrachloride	357C1R3	9.00e-3	ug/g	0.00e+0	
Trichlorofluoromethane	357C1R2	8.00e-3	ug/g	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	357C1R1	1.43e+5	ug/g	1.19e+2 lbs/hr	CE
Chlorine	357C1R2	1.59e+5	ug/g	1.31e+2 lbs/hr	CE
Chlorine	357C1R3	1.50e+5	ug/g	1.24e+2 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachloroethane	357C1R1	1.40e+1	mg/l	1.27e-2 lbs/hr	
Hexachloroethane	357C1R2	8.20e+0	mg/l	7.33e-3 lbs/hr	
Hexachloroethane	357C1R3	4.40e+1	mg/l	3.96e-2 lbs/hr	

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	357C1R1	1.10e+5	mg/l	9.97e+1 lbs/hr	
Carbon Tetrachloride	357C1R2	9.60e+4	mg/l	8.58e+1 lbs/hr	
Carbon Tetrachloride	357C1R3	8.20e+4	mg/l	7.39e+1 lbs/hr	
Trichlorofluoromethane	357C1R1	9.60e+4	mg/l	8.70e+1 lbs/hr	
Trichlorofluoromethane	357C1R2	1.20e+5	mg/l	1.07e+2 lbs/hr	
Trichlorofluoromethane	357C1R3	1.20e+5	mg/l	1.08e+2 lbs/hr	

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	357C1R1	1.44e+4	ug/g	5.36e+0 lbs/hr	CE
Chlorine	357C1R2	1.44e+4	ug/g	5.52e+0 lbs/hr	CE
Chlorine	357C1R3	1.28e+4	ug/g	4.83e+0 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachloroethane	357C1R1	ND	3.50e-2 mg/l	1.28e-5 lbs/hr	
Hexachloroethane	357C1R2	ND	4.70e-2 mg/l	1.78e-5 lbs/hr	

US EPA ARCHIVE DOCUMENT

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DEPARTMENT OF ENERGY
 2. STATE: TN
 3. CITY: OAK RIDGE
 4. EP ID: 357 DEVICE NAME: K-25

EPA ID: TN0890090004
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 4
 APC SYSTEM: QC/VS/PT/IWS

Hexachloroethane	357C1R3	ND	1.50e-2	mg/l	5.57e-6	lbs/hr	
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7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	357C1R1	1.40e+0	mg/l	5.11e-4	lbs/hr
Carbon Tetrachloride	357C1R2	1.20e-1	mg/l	4.53e-5	lbs/hr
Carbon Tetrachloride	357C1R3	1.70e-1	mg/l	6.31e-5	lbs/hr
Trichlorofluoromethane	357C1R1	9.90e-1	mg/l	3.62e-4	lbs/hr
Trichlorofluoromethane	357C1R2	1.20e-1	mg/l	4.53e-5	lbs/hr
Trichlorofluoromethane	357C1R3	7.10e-2	mg/l	2.64e-5	lbs/hr

6. Description: SCC LIQ WASTE
 Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	357C1R1	1.71e+5	ug/g	1.06e+2	lbs/hr
Chlorine	357C1R2	1.72e+5	ug/g	1.06e+2	lbs/hr
Chlorine	357C1R3	1.48e+5	ug/g	9.72e+1	lbs/hr

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachloroethane	357C1R1	9.10e+0	mg/l	6.13e-3	lbs/hr
Hexachloroethane	357C1R2	8.30e+0	mg/l	5.61e-3	lbs/hr
Hexachloroethane	357C1R3	5.40e+1	mg/l	3.92e-2	lbs/hr

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	357C1R1	9.00e+4	mg/l	6.06e+1	lbs/hr
Carbon Tetrachloride	357C1R2	8.00e+4	mg/l	5.41e+1	lbs/hr
Carbon Tetrachloride	357C1R3	6.40e+4	mg/l	4.65e+1	lbs/hr
Trichlorofluoromethane	357C1R1	1.50e+5	mg/l	1.01e+2	lbs/hr
Trichlorofluoromethane	357C1R2	1.60e+5	mg/l	1.08e+2	lbs/hr
Trichlorofluoromethane	357C1R3	1.20e+5	mg/l	8.71e+1	lbs/hr

6. Description:
 Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SLUDGE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Chlorine	357C1R1	4.60e+3	ug/g	7.36e-1	lbs/hr
Chlorine	357C1R2	1.68e+4	ug/g	2.91e+0	lbs/hr
Chlorine	357C1R3	1.91e+4	ug/g	3.17e+0	lbs/hr

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Hexachloroethane	357C1R1	6.80e+3	ug/g	1.09e+0	lbs/hr
Hexachloroethane	357C1R2	2.40e+4	ug/g	4.15e+0	lbs/hr
Hexachloroethane	357C1R3	2.10e+4	ug/g	3.49e+0	lbs/hr

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
Carbon Tetrachloride	357C1R1	5.20e+1	ug/g	8.32e-3	lbs/hr
Carbon Tetrachloride	357C1R2	2.30e+2	ug/g	3.98e-2	lbs/hr
Carbon Tetrachloride	357C1R3	1.60e+2	ug/g	2.66e-2	lbs/hr

SECTION 8: OTHER STREAM ANALYSES

1. COMPANY: DEPARTMENT OF ENERGY
 2. STATE: TN
 3. CITY: OAK RIDGE
 4. EP ID: 357 DEVICE NAME: K-25

EPA ID: TN0890090004
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 4
 APC SYSTEM: QC/VS/PT/IWS

Trichlorofluoromethane	357C1R1	1.00e+2	ug/g	1.60e-2	lbs/hr	CE
Trichlorofluoromethane	357C1R2	3.80e+2	ug/g	6.57e-2	lbs/hr	CE
Trichlorofluoromethane	357C1R3	2.40e+2	ug/g	3.98e-2	lbs/hr	CE

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Chlorine	357C1R1	ND	1.00e+3 ug/g	9.67e-1	lbs/hr	CE
Chlorine	357C1R2	ND	1.00e+3 ug/g	9.42e-1	lbs/hr	CE
Chlorine	357C1R3	ND	1.00e+3 ug/g	9.84e-1	lbs/hr	CE

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
Carbon Tetrachloride	357C1R1	ND	5.00e-3 ug/g	4.84e-6	lbs/hr	CE
Carbon Tetrachloride	357C1R2	ND	5.00e-3 ug/g	4.71e-6	lbs/hr	CE
Carbon Tetrachloride	357C1R3	ND	5.00e-3 ug/g	4.92e-6	lbs/hr	CE
Trichlorofluoromethane	357C1R1	ND	5.00e-3 ug/g	4.84e-6	lbs/hr	CE
Trichlorofluoromethane	357C1R2	ND	5.00e-3 ug/g	4.71e-6	lbs/hr	CE
Trichlorofluoromethane	357C1R3	ND	5.00e-3 ug/g	4.92e-6	lbs/hr	CE

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