

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME: EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

5. Type: CONTROLLED  
 6. Description: EMISSIONS Process Group: ROTARY KILN Location: STACK Phase: GAS  
 7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
4D 2378	327C1R1	1.82e+0 ng/dscm 7%O2	1.77e-7 lbs/hr	CC7%O2
4D 2378	327C1R2	7.83e-1 ng/dscm 7%O2	7.65e-8 lbs/hr	CC7%O2
4D 2378	327C1R3	4.83e-1 ng/dscm 7%O2	4.56e-8 lbs/hr	CC7%O2
4D 2378	327C2R1	1.33e-1 ng/dscm 7%O2	1.32e-8 lbs/hr	CC7%O2
4D 2378	327C2R2	2.42e-1 ng/dscm 7%O2	2.43e-8 lbs/hr	CC7%O2
4D 2378	327C2R3	1.27e-1 ng/dscm 7%O2	1.28e-8 lbs/hr	CC7%O2
4D 2378	327C3R1	2.03e-1 ng/dscm 7%O2	2.12e-8 lbs/hr	CC7%O2
4D 2378	327C3R2	1.26e-1 ng/dscm 7%O2	1.28e-8 lbs/hr	CC7%O2
4D 2378	327C3R3	1.23e-1 ng/dscm 7%O2	1.06e-8 lbs/hr	CC7%O2
4D 2378	327C4R1	1.31e-2 ng/dscm 7%O2	8.96e-10 lbs/hr	CE7%O2
4D 2378	327C4R2	5.99e-2 ng/dscm 7%O2	3.48e-9 lbs/hr	CE7%O2
4D 2378	327C4R3	2.35e-2 ng/dscm 7%O2	1.79e-9 lbs/hr	CE7%O2
4D 2378	327C5R1	1.85e-2 ng/dscm 7%O2	1.42e-9 lbs/hr	CE7%O2
4D 2378	327C5R2	1.87e-2 ng/dscm 7%O2	1.37e-9 lbs/hr	CE7%O2
4D 2378	327C5R3	1.79e-2 ng/dscm 7%O2	1.44e-9 lbs/hr	CE7%O2
4D Other	327C1R1	2.92e+1 ng/dscm 7%O2	2.85e-6 lbs/hr	OCE
4D Other	327C1R2	1.86e+1 ng/dscm 7%O2	1.82e-6 lbs/hr	OCE
4D Other	327C1R3	1.41e+1 ng/dscm 7%O2	1.33e-6 lbs/hr	OCE
4D Other	327C2R1	4.01e+0 ng/dscm 7%O2	3.99e-7 lbs/hr	OCE
4D Other	327C2R2	6.12e+0 ng/dscm 7%O2	6.13e-7 lbs/hr	OCE
4D Other	327C2R3	4.06e+0 ng/dscm 7%O2	4.10e-7 lbs/hr	OCE
4D Other	327C3R1	8.66e+0 ng/dscm 7%O2	9.05e-7 lbs/hr	OCE
4D Other	327C3R2	3.13e+0 ng/dscm 7%O2	3.18e-7 lbs/hr	OCE
4D Other	327C3R3	4.22e+0 ng/dscm 7%O2	3.62e-7 lbs/hr	OCE
4D Other	327C4R1	5.63e+0 ng/dscm 7%O2	3.84e-7 lbs/hr	OCE
4D Other	327C4R2	7.88e+0 ng/dscm 7%O2	4.58e-7 lbs/hr	OCE
4D Other	327C4R3	3.33e+0 ng/dscm 7%O2	2.54e-7 lbs/hr	OCE
4D Other	327C5R1	3.50e+0 ng/dscm 7%O2	2.69e-7 lbs/hr	OCE
4D Other	327C5R2	3.60e+0 ng/dscm 7%O2	2.64e-7 lbs/hr	OCE
4D Other	327C5R3	2.19e+0 ng/dscm 7%O2	1.76e-7 lbs/hr	OCE
4D Total	327C1R1	3.11e+1 ng/dscm 7%O2	3.03e-6 lbs/hr	CC7%O2
4D Total	327C1R2	1.94e+1 ng/dscm 7%O2	1.89e-6 lbs/hr	CC7%O2
4D Total	327C1R3	1.45e+1 ng/dscm 7%O2	1.37e-6 lbs/hr	CC7%O2
4D Total	327C2R1	4.15e+0 ng/dscm 7%O2	4.12e-7 lbs/hr	CC7%O2
4D Total	327C2R2	6.36e+0 ng/dscm 7%O2	6.37e-7 lbs/hr	CC7%O2
4D Total	327C2R3	4.19e+0 ng/dscm 7%O2	4.23e-7 lbs/hr	CC7%O2
4D Total	327C3R1	8.87e+0 ng/dscm 7%O2	9.26e-7 lbs/hr	CC7%O2
4D Total	327C3R2	3.26e+0 ng/dscm 7%O2	3.31e-7 lbs/hr	CC7%O2
4D Total	327C3R3	4.34e+0 ng/dscm 7%O2	3.73e-7 lbs/hr	CC7%O2
4D Total	327C4R1	5.64e+0 ng/dscm 7%O2	3.85e-7 lbs/hr	CE7%O2
4D Total	327C4R2	7.94e+0 ng/dscm 7%O2	4.61e-7 lbs/hr	CE7%O2
4D Total	327C4R3	3.35e+0 ng/dscm 7%O2	2.55e-7 lbs/hr	CE7%O2
4D Total	327C5R1	3.52e+0 ng/dscm 7%O2	2.70e-7 lbs/hr	CE7%O2
4D Total	327C5R2	3.62e+0 ng/dscm 7%O2	2.66e-7 lbs/hr	CE7%O2
4D Total	327C5R3	2.20e+0 ng/dscm 7%O2	1.77e-7 lbs/hr	CE7%O2
4F 2378	327C1R1	6.92e+0 ng/dscm 7%O2	6.75e-7 lbs/hr	CC7%O2
4F 2378	327C1R2	4.22e+0 ng/dscm 7%O2	4.12e-7 lbs/hr	CC7%O2
4F 2378	327C1R3	2.50e+0 ng/dscm 7%O2	2.37e-7 lbs/hr	CC7%O2
4F 2378	327C2R1	1.66e+0 ng/dscm 7%O2	1.65e-7 lbs/hr	CC7%O2
4F 2378	327C2R2	2.75e+0 ng/dscm 7%O2	2.76e-7 lbs/hr	CC7%O2
4F 2378	327C2R3	2.25e+0 ng/dscm 7%O2	2.27e-7 lbs/hr	CC7%O2
4F 2378	327C3R1	1.65e+0 ng/dscm 7%O2	1.72e-7 lbs/hr	CC7%O2
4F 2378	327C3R2	1.30e+0 ng/dscm 7%O2	1.32e-7 lbs/hr	CC7%O2
4F 2378	327C3R3	1.64e+0 ng/dscm 7%O2	1.41e-7 lbs/hr	CC7%O2
4F 2378	327C4R1	2.82e-1 ng/dscm 7%O2	1.93e-8 lbs/hr	CE7%O2
4F 2378	327C4R2	3.89e-1 ng/dscm 7%O2	2.26e-8 lbs/hr	CE7%O2
4F 2378	327C4R3	2.12e-1 ng/dscm 7%O2	1.61e-8 lbs/hr	CE7%O2

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EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

4F 2378	327C5R1	2.29e-1	ng/dscm 7%O2	1.75e-8	lbs/hr	CE7%O2
4F 2378	327C5R2	1.94e-1	ng/dscm 7%O2	1.42e-8	lbs/hr	CE7%O2
4F 2378	327C5R3	1.43e-1	ng/dscm 7%O2	1.15e-8	lbs/hr	CE7%O2
4F Other	327C1R1	1.86e+2	ng/dscm 7%O2	1.81e-5	lbs/hr	OCE
4F Other	327C1R2	1.76e+2	ng/dscm 7%O2	1.72e-5	lbs/hr	OCE
4F Other	327C1R3	9.47e+1	ng/dscm 7%O2	8.94e-6	lbs/hr	OCE
4F Other	327C2R1	8.28e+1	ng/dscm 7%O2	8.24e-6	lbs/hr	OCE
4F Other	327C2R2	1.48e+2	ng/dscm 7%O2	1.49e-5	lbs/hr	OCE
4F Other	327C2R3	1.27e+2	ng/dscm 7%O2	1.28e-5	lbs/hr	OCE
4F Other	327C3R1	7.11e+1	ng/dscm 7%O2	7.43e-6	lbs/hr	OCE
4F Other	327C3R2	3.39e+1	ng/dscm 7%O2	3.44e-6	lbs/hr	OCE
4F Other	327C3R3	4.84e+1	ng/dscm 7%O2	4.15e-6	lbs/hr	OCE
4F Other	327C4R1	9.69e+0	ng/dscm 7%O2	6.62e-7	lbs/hr	OCE
4F Other	327C4R2	1.44e+1	ng/dscm 7%O2	8.39e-7	lbs/hr	OCE
4F Other	327C4R3	7.20e+0	ng/dscm 7%O2	5.48e-7	lbs/hr	OCE
4F Other	327C5R1	8.36e+0	ng/dscm 7%O2	6.42e-7	lbs/hr	OCE
4F Other	327C5R2	8.05e+0	ng/dscm 7%O2	5.90e-7	lbs/hr	OCE
4F Other	327C5R3	5.16e+0	ng/dscm 7%O2	4.15e-7	lbs/hr	OCE
4F Total	327C1R1	1.92e+2	ng/dscm 7%O2	1.88e-5	lbs/hr	CC7%O2
4F Total	327C1R2	1.81e+2	ng/dscm 7%O2	1.77e-5	lbs/hr	CC7%O2
4F Total	327C1R3	9.72e+1	ng/dscm 7%O2	9.18e-6	lbs/hr	CC7%O2
4F Total	327C2R1	8.45e+1	ng/dscm 7%O2	8.40e-6	lbs/hr	CC7%O2
4F Total	327C2R2	1.51e+2	ng/dscm 7%O2	1.51e-5	lbs/hr	CC7%O2
4F Total	327C2R3	1.29e+2	ng/dscm 7%O2	1.31e-5	lbs/hr	CC7%O2
4F Total	327C3R1	7.28e+1	ng/dscm 7%O2	7.60e-6	lbs/hr	CC7%O2
4F Total	327C3R2	3.52e+1	ng/dscm 7%O2	3.58e-6	lbs/hr	CC7%O2
4F Total	327C3R3	5.00e+1	ng/dscm 7%O2	4.29e-6	lbs/hr	CC7%O2
4F Total	327C4R1	9.97e+0	ng/dscm 7%O2	6.81e-7	lbs/hr	CE7%O2
4F Total	327C4R2	1.48e+1	ng/dscm 7%O2	8.62e-7	lbs/hr	CE7%O2
4F Total	327C4R3	7.41e+0	ng/dscm 7%O2	5.65e-7	lbs/hr	CE7%O2
4F Total	327C5R1	8.59e+0	ng/dscm 7%O2	6.59e-7	lbs/hr	CE7%O2
4F Total	327C5R2	8.25e+0	ng/dscm 7%O2	6.04e-7	lbs/hr	CE7%O2
4F Total	327C5R3	5.30e+0	ng/dscm 7%O2	4.27e-7	lbs/hr	CE7%O2
5D 12378	327C1R1	5.36e+0	ng/dscm 7%O2	5.22e-7	lbs/hr	CC7%O2
5D 12378	327C1R2	2.37e+0	ng/dscm 7%O2	2.31e-7	lbs/hr	CC7%O2
5D 12378	327C1R3	1.31e+0	ng/dscm 7%O2	1.23e-7	lbs/hr	CC7%O2
5D 12378	327C2R1	5.54e-1	ng/dscm 7%O2	5.51e-8	lbs/hr	CC7%O2
5D 12378	327C2R2	9.24e-1	ng/dscm 7%O2	9.26e-8	lbs/hr	CC7%O2
5D 12378	327C2R3	5.89e-1	ng/dscm 7%O2	5.95e-8	lbs/hr	CC7%O2
5D 12378	327C3R1	6.54e-1	ng/dscm 7%O2	6.83e-8	lbs/hr	CC7%O2
5D 12378	327C3R2	4.56e-1	ng/dscm 7%O2	4.63e-8	lbs/hr	CC7%O2
5D 12378	327C3R3	4.62e-1	ng/dscm 7%O2	3.97e-8	lbs/hr	CC7%O2
5D 12378	327C4R1	2.49e-1	ng/dscm 7%O2	1.70e-8	lbs/hr	CE7%O2
5D 12378	327C4R2	3.59e-1	ng/dscm 7%O2	2.09e-8	lbs/hr	CE7%O2
5D 12378	327C4R3	1.29e-1	ng/dscm 7%O2	9.86e-9	lbs/hr	CE7%O2
5D 12378	327C5R1	1.61e-1	ng/dscm 7%O2	1.23e-8	lbs/hr	CE7%O2
5D 12378	327C5R2	2.00e-1	ng/dscm 7%O2	1.46e-8	lbs/hr	CE7%O2
5D 12378	327C5R3	1.07e-1	ng/dscm 7%O2	8.63e-9	lbs/hr	CE7%O2
5D Other	327C1R1	4.55e+1	ng/dscm 7%O2	4.44e-6	lbs/hr	OCE
5D Other	327C1R2	2.92e+1	ng/dscm 7%O2	2.86e-6	lbs/hr	OCE
5D Other	327C1R3	2.12e+1	ng/dscm 7%O2	2.00e-6	lbs/hr	OCE
5D Other	327C2R1	1.11e+1	ng/dscm 7%O2	1.10e-6	lbs/hr	OCE
5D Other	327C2R2	1.81e+1	ng/dscm 7%O2	1.81e-6	lbs/hr	OCE
5D Other	327C2R3	1.01e+1	ng/dscm 7%O2	1.02e-6	lbs/hr	OCE
5D Other	327C3R1	1.40e+1	ng/dscm 7%O2	1.46e-6	lbs/hr	OCE
5D Other	327C3R2	4.00e+0	ng/dscm 7%O2	4.06e-7	lbs/hr	OCE
5D Other	327C3R3	6.81e+0	ng/dscm 7%O2	5.84e-7	lbs/hr	OCE
5D Other	327C4R1	1.02e+1	ng/dscm 7%O2	7.00e-7	lbs/hr	OCE
5D Other	327C4R2	8.10e+0	ng/dscm 7%O2	4.71e-7	lbs/hr	OCE
5D Other	327C4R3	3.40e+0	ng/dscm 7%O2	2.59e-7	lbs/hr	OCE
5D Other	327C5R1	6.45e+0	ng/dscm 7%O2	4.95e-7	lbs/hr	OCE
5D Other	327C5R2	3.92e+0	ng/dscm 7%O2	2.88e-7	lbs/hr	OCE
5D Other	327C5R3	2.04e+0	ng/dscm 7%O2	1.64e-7	lbs/hr	OCE

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EPA ID: UTD981552177  
 SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP REGION: 8

5D Total	327C1R1	5.09e+1	ng/dscm 7%O2	4.96e-6	lbs/hr	CC7%O2
5D Total	327C1R2	3.16e+1	ng/dscm 7%O2	3.09e-6	lbs/hr	CC7%O2
5D Total	327C1R3	2.25e+1	ng/dscm 7%O2	2.13e-6	lbs/hr	CC7%O2
5D Total	327C2R1	1.16e+1	ng/dscm 7%O2	1.16e-6	lbs/hr	CC7%O2
5D Total	327C2R2	1.90e+1	ng/dscm 7%O2	1.90e-6	lbs/hr	CC7%O2
5D Total	327C2R3	1.07e+1	ng/dscm 7%O2	1.08e-6	lbs/hr	CC7%O2
5D Total	327C3R1	1.47e+1	ng/dscm 7%O2	1.53e-6	lbs/hr	CC7%O2
5D Total	327C3R2	4.45e+0	ng/dscm 7%O2	4.52e-7	lbs/hr	CC7%O2
5D Total	327C3R3	7.27e+0	ng/dscm 7%O2	6.24e-7	lbs/hr	CC7%O2
5D Total	327C4R1	1.05e+1	ng/dscm 7%O2	7.17e-7	lbs/hr	CE7%O2
5D Total	327C4R2	8.46e+0	ng/dscm 7%O2	4.92e-7	lbs/hr	CE7%O2
5D Total	327C4R3	3.53e+0	ng/dscm 7%O2	2.69e-7	lbs/hr	CE7%O2
5D Total	327C5R1	6.61e+0	ng/dscm 7%O2	5.07e-7	lbs/hr	CE7%O2
5D Total	327C5R2	4.12e+0	ng/dscm 7%O2	3.02e-7	lbs/hr	CE7%O2
5D Total	327C5R3	2.14e+0	ng/dscm 7%O2	1.73e-7	lbs/hr	CE7%O2
5F 12378	327C1R1	1.43e+1	ng/dscm 7%O2	1.39e-6	lbs/hr	CC7%O2
5F 12378	327C1R2	8.32e+0	ng/dscm 7%O2	8.13e-7	lbs/hr	CC7%O2
5F 12378	327C1R3	5.40e+0	ng/dscm 7%O2	5.10e-7	lbs/hr	CC7%O2
5F 12378	327C2R1	4.52e+0	ng/dscm 7%O2	4.50e-7	lbs/hr	CC7%O2
5F 12378	327C2R2	7.06e+0	ng/dscm 7%O2	7.08e-7	lbs/hr	CC7%O2
5F 12378	327C2R3	6.77e+0	ng/dscm 7%O2	6.83e-7	lbs/hr	CC7%O2
5F 12378	327C3R1	3.61e+0	ng/dscm 7%O2	3.77e-7	lbs/hr	CC7%O2
5F 12378	327C3R2	1.93e+0	ng/dscm 7%O2	1.96e-7	lbs/hr	CC7%O2
5F 12378	327C3R3	1.90e+0	ng/dscm 7%O2	1.63e-7	lbs/hr	CC7%O2
5F 12378	327C4R1	4.00e-1	ng/dscm 7%O2	2.73e-8	lbs/hr	CE7%O2
5F 12378	327C4R2	5.62e-1	ng/dscm 7%O2	3.26e-8	lbs/hr	CE7%O2
5F 12378	327C4R3	2.41e-1	ng/dscm 7%O2	1.84e-8	lbs/hr	CE7%O2
5F 12378	327C5R1	3.03e-1	ng/dscm 7%O2	2.32e-8	lbs/hr	CE7%O2
5F 12378	327C5R2	3.19e-1	ng/dscm 7%O2	2.33e-8	lbs/hr	CE7%O2
5F 12378	327C5R3	1.73e-1	ng/dscm 7%O2	1.39e-8	lbs/hr	CE7%O2
5F 23478	327C1R1	2.09e+1	ng/dscm 7%O2	2.04e-6	lbs/hr	CC7%O2
5F 23478	327C1R2	1.96e+1	ng/dscm 7%O2	1.92e-6	lbs/hr	CC7%O2
5F 23478	327C1R3	9.44e+0	ng/dscm 7%O2	8.92e-7	lbs/hr	CC7%O2
5F 23478	327C2R1	9.80e+0	ng/dscm 7%O2	9.74e-7	lbs/hr	CC7%O2
5F 23478	327C2R2	1.59e+1	ng/dscm 7%O2	1.59e-6	lbs/hr	CC7%O2
5F 23478	327C2R3	1.22e+1	ng/dscm 7%O2	1.24e-6	lbs/hr	CC7%O2
5F 23478	327C3R1	9.14e+0	ng/dscm 7%O2	9.55e-7	lbs/hr	CC7%O2
5F 23478	327C3R2	6.39e+0	ng/dscm 7%O2	6.48e-7	lbs/hr	CC7%O2
5F 23478	327C3R3	6.50e+0	ng/dscm 7%O2	5.58e-7	lbs/hr	CC7%O2
5F 23478	327C4R1	1.18e+0	ng/dscm 7%O2	8.06e-8	lbs/hr	CE7%O2
5F 23478	327C4R2	1.42e+0	ng/dscm 7%O2	8.27e-8	lbs/hr	CE7%O2
5F 23478	327C4R3	7.65e-1	ng/dscm 7%O2	5.83e-8	lbs/hr	CE7%O2
5F 23478	327C5R1	8.65e-1	ng/dscm 7%O2	6.64e-8	lbs/hr	CE7%O2
5F 23478	327C5R2	7.50e-1	ng/dscm 7%O2	5.49e-8	lbs/hr	CE7%O2
5F 23478	327C5R3	4.94e-1	ng/dscm 7%O2	3.98e-8	lbs/hr	CE7%O2
5F Other	327C1R1	1.38e+2	ng/dscm 7%O2	1.34e-5	lbs/hr	OCE
5F Other	327C1R2	1.73e+2	ng/dscm 7%O2	1.69e-5	lbs/hr	OCE
5F Other	327C1R3	8.35e+1	ng/dscm 7%O2	7.89e-6	lbs/hr	OCE
5F Other	327C2R1	1.00e+2	ng/dscm 7%O2	9.98e-6	lbs/hr	OCE
5F Other	327C2R2	1.72e+2	ng/dscm 7%O2	1.73e-5	lbs/hr	OCE
5F Other	327C2R3	1.51e+2	ng/dscm 7%O2	1.52e-5	lbs/hr	OCE
5F Other	327C3R1	9.07e+1	ng/dscm 7%O2	9.47e-6	lbs/hr	OCE
5F Other	327C3R2	5.80e+1	ng/dscm 7%O2	5.89e-6	lbs/hr	OCE
5F Other	327C3R3	5.93e+1	ng/dscm 7%O2	5.09e-6	lbs/hr	OCE
5F Other	327C4R1	1.08e+1	ng/dscm 7%O2	7.34e-7	lbs/hr	OCE
5F Other	327C4R2	1.34e+1	ng/dscm 7%O2	7.81e-7	lbs/hr	OCE
5F Other	327C4R3	7.46e+0	ng/dscm 7%O2	5.69e-7	lbs/hr	OCE
5F Other	327C5R1	8.72e+0	ng/dscm 7%O2	6.69e-7	lbs/hr	OCE
5F Other	327C5R2	8.24e+0	ng/dscm 7%O2	6.04e-7	lbs/hr	OCE
5F Other	327C5R3	4.75e+0	ng/dscm 7%O2	3.83e-7	lbs/hr	OCE
5F Total	327C1R1	1.73e+2	ng/dscm 7%O2	1.68e-5	lbs/hr	CC7%O2
5F Total	327C1R2	2.01e+2	ng/dscm 7%O2	1.96e-5	lbs/hr	CC7%O2
5F Total	327C1R3	9.84e+1	ng/dscm 7%O2	9.29e-6	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177  
 SYSTEM TYPE: COMMERCIAL INCINERATOR

REGION: 8  
 APC SYSTEM: SD/FF/WS/ESP

5F Total	327C2R1	1.15e+2	ng/dscm 7%O2	1.14e-5	lbs/hr	CC7%O2
5F Total	327C2R2	1.95e+2	ng/dscm 7%O2	1.96e-5	lbs/hr	CC7%O2
5F Total	327C2R3	1.70e+2	ng/dscm 7%O2	1.72e-5	lbs/hr	CC7%O2
5F Total	327C3R1	1.03e+2	ng/dscm 7%O2	1.08e-5	lbs/hr	CC7%O2
5F Total	327C3R2	6.64e+1	ng/dscm 7%O2	6.74e-6	lbs/hr	CC7%O2
5F Total	327C3R3	6.77e+1	ng/dscm 7%O2	5.81e-6	lbs/hr	CC7%O2
5F Total	327C4R1	1.23e+1	ng/dscm 7%O2	8.42e-7	lbs/hr	CE7%O2
5F Total	327C4R2	1.54e+1	ng/dscm 7%O2	8.96e-7	lbs/hr	CE7%O2
5F Total	327C4R3	8.47e+0	ng/dscm 7%O2	6.45e-7	lbs/hr	CE7%O2
5F Total	327C5R1	9.89e+0	ng/dscm 7%O2	7.59e-7	lbs/hr	CE7%O2
5F Total	327C5R2	9.31e+0	ng/dscm 7%O2	6.82e-7	lbs/hr	CE7%O2
5F Total	327C5R3	5.42e+0	ng/dscm 7%O2	4.36e-7	lbs/hr	CE7%O2
6D 123478	327C1R1	6.29e+0	ng/dscm 7%O2	6.13e-7	lbs/hr	CC7%O2
6D 123478	327C1R2	2.41e+0	ng/dscm 7%O2	2.36e-7	lbs/hr	CC7%O2
6D 123478	327C1R3	1.31e+0	ng/dscm 7%O2	1.23e-7	lbs/hr	CC7%O2
6D 123478	327C2R1	6.87e-1	ng/dscm 7%O2	6.83e-8	lbs/hr	CC7%O2
6D 123478	327C2R2	1.01e+0	ng/dscm 7%O2	1.01e-7	lbs/hr	CC7%O2
6D 123478	327C2R3	6.55e-1	ng/dscm 7%O2	6.61e-8	lbs/hr	CC7%O2
6D 123478	327C3R1	7.60e-1	ng/dscm 7%O2	7.94e-8	lbs/hr	CC7%O2
6D 123478	327C3R2	3.91e-1	ng/dscm 7%O2	3.97e-8	lbs/hr	CC7%O2
6D 123478	327C3R3	4.11e-1	ng/dscm 7%O2	3.53e-8	lbs/hr	CC7%O2
6D 123478	327C4R1	3.21e-1	ng/dscm 7%O2	2.20e-8	lbs/hr	CE7%O2
6D 123478	327C4R2	5.24e-1	ng/dscm 7%O2	3.05e-8	lbs/hr	CE7%O2
6D 123478	327C4R3	1.71e-1	ng/dscm 7%O2	1.30e-8	lbs/hr	CE7%O2
6D 123478	327C5R1	1.73e-1	ng/dscm 7%O2	1.33e-8	lbs/hr	CE7%O2
6D 123478	327C5R2	2.06e-1	ng/dscm 7%O2	1.51e-8	lbs/hr	CE7%O2
6D 123478	327C5R3	1.01e-1	ng/dscm 7%O2	8.15e-9	lbs/hr	CE7%O2
6D 123678	327C1R1	7.37e+0	ng/dscm 7%O2	7.19e-7	lbs/hr	CC7%O2
6D 123678	327C1R2	3.36e+0	ng/dscm 7%O2	3.28e-7	lbs/hr	CC7%O2
6D 123678	327C1R3	1.98e+0	ng/dscm 7%O2	1.87e-7	lbs/hr	CC7%O2
6D 123678	327C2R1	1.33e+0	ng/dscm 7%O2	1.32e-7	lbs/hr	CC7%O2
6D 123678	327C2R2	2.05e+0	ng/dscm 7%O2	2.05e-7	lbs/hr	CC7%O2
6D 123678	327C2R3	1.16e+0	ng/dscm 7%O2	1.17e-7	lbs/hr	CC7%O2
6D 123678	327C3R1	1.50e+0	ng/dscm 7%O2	1.57e-7	lbs/hr	CC7%O2
6D 123678	327C3R2	8.69e-1	ng/dscm 7%O2	8.82e-8	lbs/hr	CC7%O2
6D 123678	327C3R3	9.76e-1	ng/dscm 7%O2	8.38e-8	lbs/hr	CC7%O2
6D 123678	327C4R1	7.22e-1	ng/dscm 7%O2	4.93e-8	lbs/hr	CE7%O2
6D 123678	327C4R2	1.05e+0	ng/dscm 7%O2	6.09e-8	lbs/hr	CE7%O2
6D 123678	327C4R3	3.82e-1	ng/dscm 7%O2	2.91e-8	lbs/hr	CE7%O2
6D 123678	327C5R1	3.95e-1	ng/dscm 7%O2	3.03e-8	lbs/hr	CE7%O2
6D 123678	327C5R2	4.12e-1	ng/dscm 7%O2	3.02e-8	lbs/hr	CE7%O2
6D 123678	327C5R3	2.44e-1	ng/dscm 7%O2	1.97e-8	lbs/hr	CE7%O2
6D 123789	327C1R1	1.02e+1	ng/dscm 7%O2	9.99e-7	lbs/hr	CC7%O2
6D 123789	327C1R2	4.90e+0	ng/dscm 7%O2	4.78e-7	lbs/hr	CC7%O2
6D 123789	327C1R3	2.80e+0	ng/dscm 7%O2	2.65e-7	lbs/hr	CC7%O2
6D 123789	327C2R1	1.93e+0	ng/dscm 7%O2	1.92e-7	lbs/hr	CC7%O2
6D 123789	327C2R2	3.01e+0	ng/dscm 7%O2	3.02e-7	lbs/hr	CC7%O2
6D 123789	327C2R3	1.88e+0	ng/dscm 7%O2	1.90e-7	lbs/hr	CC7%O2
6D 123789	327C3R1	1.94e+0	ng/dscm 7%O2	2.03e-7	lbs/hr	CC7%O2
6D 123789	327C3R2	1.46e+0	ng/dscm 7%O2	1.48e-7	lbs/hr	CC7%O2
6D 123789	327C3R3	1.70e+0	ng/dscm 7%O2	1.46e-7	lbs/hr	CC7%O2
6D 123789	327C4R1	7.22e-1	ng/dscm 7%O2	4.93e-8	lbs/hr	CE7%O2
6D 123789	327C4R2	1.12e+0	ng/dscm 7%O2	6.53e-8	lbs/hr	CE7%O2
6D 123789	327C4R3	3.65e-1	ng/dscm 7%O2	2.78e-8	lbs/hr	CE7%O2
6D 123789	327C5R1	4.51e-1	ng/dscm 7%O2	3.46e-8	lbs/hr	CE7%O2
6D 123789	327C5R2	5.18e-1	ng/dscm 7%O2	3.80e-8	lbs/hr	CE7%O2
6D 123789	327C5R3	2.74e-1	ng/dscm 7%O2	2.21e-8	lbs/hr	CE7%O2
6D Other	327C1R1	5.10e+1	ng/dscm 7%O2	4.97e-6	lbs/hr	OCE
6D Other	327C1R2	3.66e+1	ng/dscm 7%O2	3.58e-6	lbs/hr	OCE
6D Other	327C1R3	2.17e+1	ng/dscm 7%O2	2.05e-6	lbs/hr	OCE
6D Other	327C2R1	2.08e+1	ng/dscm 7%O2	2.07e-6	lbs/hr	OCE
6D Other	327C2R2	3.13e+1	ng/dscm 7%O2	3.13e-6	lbs/hr	OCE
6D Other	327C2R3	1.73e+1	ng/dscm 7%O2	1.75e-6	lbs/hr	OCE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

6D Other	327C3R1	2.28e+1	ng/dscm 7%O2	2.38e-6	lbs/hr	OCE
6D Other	327C3R2	9.56e+0	ng/dscm 7%O2	9.70e-7	lbs/hr	OCE
6D Other	327C3R3	1.14e+1	ng/dscm 7%O2	9.81e-7	lbs/hr	OCE
6D Other	327C4R1	1.17e+1	ng/dscm 7%O2	8.02e-7	lbs/hr	OCE
6D Other	327C4R2	1.77e+1	ng/dscm 7%O2	1.03e-6	lbs/hr	OCE
6D Other	327C4R3	6.85e+0	ng/dscm 7%O2	5.22e-7	lbs/hr	OCE
6D Other	327C5R1	5.72e+0	ng/dscm 7%O2	4.39e-7	lbs/hr	OCE
6D Other	327C5R2	6.36e+0	ng/dscm 7%O2	4.66e-7	lbs/hr	OCE
6D Other	327C5R3	3.67e+0	ng/dscm 7%O2	2.95e-7	lbs/hr	OCE
6D Total	327C1R1	7.49e+1	ng/dscm 7%O2	7.30e-6	lbs/hr	CC7%O2
6D Total	327C1R2	4.73e+1	ng/dscm 7%O2	4.62e-6	lbs/hr	CC7%O2
6D Total	327C1R3	2.78e+1	ng/dscm 7%O2	2.63e-6	lbs/hr	CC7%O2
6D Total	327C2R1	2.47e+1	ng/dscm 7%O2	2.46e-6	lbs/hr	CC7%O2
6D Total	327C2R2	3.74e+1	ng/dscm 7%O2	3.74e-6	lbs/hr	CC7%O2
6D Total	327C2R3	2.10e+1	ng/dscm 7%O2	2.12e-6	lbs/hr	CC7%O2
6D Total	327C3R1	2.70e+1	ng/dscm 7%O2	2.82e-6	lbs/hr	CC7%O2
6D Total	327C3R2	1.23e+1	ng/dscm 7%O2	1.25e-6	lbs/hr	CC7%O2
6D Total	327C3R3	1.45e+1	ng/dscm 7%O2	1.25e-6	lbs/hr	CC7%O2
6D Total	327C4R1	1.35e+1	ng/dscm 7%O2	9.23e-7	lbs/hr	CE7%O2
6D Total	327C4R2	2.04e+1	ng/dscm 7%O2	1.19e-6	lbs/hr	CE7%O2
6D Total	327C4R3	7.76e+0	ng/dscm 7%O2	5.91e-7	lbs/hr	CE7%O2
6D Total	327C5R1	6.74e+0	ng/dscm 7%O2	5.17e-7	lbs/hr	CE7%O2
6D Total	327C5R2	7.50e+0	ng/dscm 7%O2	5.49e-7	lbs/hr	CE7%O2
6D Total	327C5R3	4.29e+0	ng/dscm 7%O2	3.45e-7	lbs/hr	CE7%O2
6F 123478	327C1R1	4.81e+1	ng/dscm 7%O2	4.69e-6	lbs/hr	CC7%O2
6F 123478	327C1R2	4.47e+1	ng/dscm 7%O2	4.37e-6	lbs/hr	CC7%O2
6F 123478	327C1R3	2.04e+1	ng/dscm 7%O2	1.92e-6	lbs/hr	CC7%O2
6F 123478	327C2R1	3.43e+1	ng/dscm 7%O2	3.41e-6	lbs/hr	CC7%O2
6F 123478	327C2R2	6.80e+1	ng/dscm 7%O2	6.81e-6	lbs/hr	CC7%O2
6F 123478	327C2R3	5.98e+1	ng/dscm 7%O2	6.04e-6	lbs/hr	CC7%O2
6F 123478	327C3R1	2.26e+1	ng/dscm 7%O2	2.36e-6	lbs/hr	CC7%O2
6F 123478	327C3R2	1.61e+1	ng/dscm 7%O2	1.63e-6	lbs/hr	CC7%O2
6F 123478	327C3R3	1.37e+1	ng/dscm 7%O2	1.18e-6	lbs/hr	CC7%O2
6F 123478	327C4R1	1.84e+0	ng/dscm 7%O2	1.25e-7	lbs/hr	CE7%O2
6F 123478	327C4R2	2.47e+0	ng/dscm 7%O2	1.44e-7	lbs/hr	CE7%O2
6F 123478	327C4R3	1.29e+0	ng/dscm 7%O2	9.86e-8	lbs/hr	CE7%O2
6F 123478	327C5R1	9.89e-1	ng/dscm 7%O2	7.59e-8	lbs/hr	CE7%O2
6F 123478	327C5R2	9.37e-1	ng/dscm 7%O2	6.87e-8	lbs/hr	CE7%O2
6F 123478	327C5R3	5.95e-1	ng/dscm 7%O2	4.80e-8	lbs/hr	CE7%O2
6F 123678	327C1R1	1.22e+1	ng/dscm 7%O2	1.19e-6	lbs/hr	CC7%O2
6F 123678	327C1R2	1.11e+1	ng/dscm 7%O2	1.08e-6	lbs/hr	CC7%O2
6F 123678	327C1R3	5.85e+0	ng/dscm 7%O2	5.53e-7	lbs/hr	CC7%O2
6F 123678	327C2R1	1.05e+1	ng/dscm 7%O2	1.04e-6	lbs/hr	CC7%O2
6F 123678	327C2R2	1.88e+1	ng/dscm 7%O2	1.88e-6	lbs/hr	CC7%O2
6F 123678	327C2R3	1.69e+1	ng/dscm 7%O2	1.70e-6	lbs/hr	CC7%O2
6F 123678	327C3R1	6.63e+0	ng/dscm 7%O2	6.92e-7	lbs/hr	CC7%O2
6F 123678	327C3R2	4.15e+0	ng/dscm 7%O2	4.21e-7	lbs/hr	CC7%O2
6F 123678	327C3R3	3.93e+0	ng/dscm 7%O2	3.37e-7	lbs/hr	CC7%O2
6F 123678	327C4R1	7.22e-1	ng/dscm 7%O2	4.93e-8	lbs/hr	CE7%O2
6F 123678	327C4R2	1.12e+0	ng/dscm 7%O2	6.53e-8	lbs/hr	CE7%O2
6F 123678	327C4R3	4.94e-1	ng/dscm 7%O2	3.76e-8	lbs/hr	CE7%O2
6F 123678	327C5R1	3.71e-1	ng/dscm 7%O2	2.85e-8	lbs/hr	CE7%O2
6F 123678	327C5R2	3.87e-1	ng/dscm 7%O2	2.84e-8	lbs/hr	CE7%O2
6F 123678	327C5R3	2.62e-1	ng/dscm 7%O2	2.11e-8	lbs/hr	CE7%O2
6F 123789	327C1R1	3.55e+0	ng/dscm 7%O2	3.46e-7	lbs/hr	CC7%O2
6F 123789	327C1R2	2.13e+0	ng/dscm 7%O2	2.08e-7	lbs/hr	CC7%O2
6F 123789	327C1R3	9.36e-1	ng/dscm 7%O2	8.84e-8	lbs/hr	CC7%O2
6F 123789	327C2R1	9.98e-1	ng/dscm 7%O2	9.92e-8	lbs/hr	CC7%O2
6F 123789	327C2R2	1.10e+0	ng/dscm 7%O2	1.10e-7	lbs/hr	CC7%O2
6F 123789	327C2R3	1.27e+0	ng/dscm 7%O2	1.28e-7	lbs/hr	CC7%O2
6F 123789	327C3R1	1.08e+0	ng/dscm 7%O2	1.12e-7	lbs/hr	CC7%O2
6F 123789	327C3R2	6.30e-1	ng/dscm 7%O2	6.39e-8	lbs/hr	CC7%O2
6F 123789	327C3R3	5.91e-1	ng/dscm 7%O2	5.07e-8	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

6F 123789	327C4R1	3.94e-2	ng/dscm 7%O2	2.69e-9	lbs/hr	CE7%O2
6F 123789	327C4R2	4.49e-2	ng/dscm 7%O2	2.61e-9	lbs/hr	CE7%O2
6F 123789	327C4R3	4.12e-2	ng/dscm 7%O2	3.14e-9	lbs/hr	CE7%O2
6F 123789	327C5R1	4.94e-2	ng/dscm 7%O2	3.79e-9	lbs/hr	CE7%O2
6F 123789	327C5R2	4.37e-2	ng/dscm 7%O2	3.20e-9	lbs/hr	CE7%O2
6F 123789	327C5R3	2.38e-2	ng/dscm 7%O2	1.92e-9	lbs/hr	CE7%O2
6F 234678	327C1R1	1.52e+1	ng/dscm 7%O2	1.49e-6	lbs/hr	CC7%O2
6F 234678	327C1R2	1.75e+1	ng/dscm 7%O2	1.71e-6	lbs/hr	CC7%O2
6F 234678	327C1R3	9.75e+0	ng/dscm 7%O2	9.21e-7	lbs/hr	CC7%O2
6F 234678	327C2R1	2.01e+1	ng/dscm 7%O2	2.00e-6	lbs/hr	CC7%O2
6F 234678	327C2R2	3.03e+1	ng/dscm 7%O2	3.04e-6	lbs/hr	CC7%O2
6F 234678	327C2R3	2.59e+1	ng/dscm 7%O2	2.61e-6	lbs/hr	CC7%O2
6F 234678	327C3R1	1.56e+1	ng/dscm 7%O2	1.63e-6	lbs/hr	CC7%O2
6F 234678	327C3R2	1.01e+1	ng/dscm 7%O2	1.03e-6	lbs/hr	CC7%O2
6F 234678	327C3R3	8.81e+0	ng/dscm 7%O2	7.56e-7	lbs/hr	CC7%O2
6F 234678	327C4R1	1.44e+0	ng/dscm 7%O2	9.86e-8	lbs/hr	CE7%O2
6F 234678	327C4R2	2.10e+0	ng/dscm 7%O2	1.22e-7	lbs/hr	CE7%O2
6F 234678	327C4R3	1.24e+0	ng/dscm 7%O2	9.41e-8	lbs/hr	CE7%O2
6F 234678	327C5R1	1.05e+0	ng/dscm 7%O2	8.06e-8	lbs/hr	CE7%O2
6F 234678	327C5R2	8.74e-1	ng/dscm 7%O2	6.41e-8	lbs/hr	CE7%O2
6F 234678	327C5R3	5.95e-1	ng/dscm 7%O2	4.80e-8	lbs/hr	CE7%O2
6F Other	327C1R1	6.67e+1	ng/dscm 7%O2	6.50e-6	lbs/hr	OCE
6F Other	327C1R2	6.81e+1	ng/dscm 7%O2	6.65e-6	lbs/hr	OCE
6F Other	327C1R3	3.73e+1	ng/dscm 7%O2	3.53e-6	lbs/hr	OCE
6F Other	327C2R1	6.09e+1	ng/dscm 7%O2	6.06e-6	lbs/hr	OCE
6F Other	327C2R2	1.07e+2	ng/dscm 7%O2	1.08e-5	lbs/hr	OCE
6F Other	327C2R3	9.45e+1	ng/dscm 7%O2	9.55e-6	lbs/hr	OCE
6F Other	327C3R1	4.50e+1	ng/dscm 7%O2	4.70e-6	lbs/hr	OCE
6F Other	327C3R2	2.53e+1	ng/dscm 7%O2	2.57e-6	lbs/hr	OCE
6F Other	327C3R3	-2.20e+1	ng/dscm 7%O2	-1.88e-6	lbs/hr	OCE
6F Other	327C4R1	4.49e+0	ng/dscm 7%O2	3.06e-7	lbs/hr	OCE
6F Other	327C4R2	7.67e+0	ng/dscm 7%O2	4.46e-7	lbs/hr	OCE
6F Other	327C4R3	3.82e+0	ng/dscm 7%O2	2.91e-7	lbs/hr	OCE
6F Other	327C5R1	3.10e+0	ng/dscm 7%O2	2.38e-7	lbs/hr	OCE
6F Other	327C5R2	3.00e+0	ng/dscm 7%O2	2.20e-7	lbs/hr	OCE
6F Other	327C5R3	1.98e+0	ng/dscm 7%O2	1.59e-7	lbs/hr	OCE
6F Total	327C1R1	1.46e+2	ng/dscm 7%O2	1.42e-5	lbs/hr	CC7%O2
6F Total	327C1R2	1.43e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CC7%O2
6F Total	327C1R3	7.42e+1	ng/dscm 7%O2	7.01e-6	lbs/hr	CC7%O2
6F Total	327C2R1	1.27e+2	ng/dscm 7%O2	1.26e-5	lbs/hr	CC7%O2
6F Total	327C2R2	2.26e+2	ng/dscm 7%O2	2.26e-5	lbs/hr	CC7%O2
6F Total	327C2R3	1.98e+2	ng/dscm 7%O2	2.00e-5	lbs/hr	CC7%O2
6F Total	327C3R1	9.09e+1	ng/dscm 7%O2	9.49e-6	lbs/hr	CC7%O2
6F Total	327C3R2	5.63e+1	ng/dscm 7%O2	5.71e-6	lbs/hr	CC7%O2
6F Total	327C3R3	5.11e+0	ng/dscm 7%O2	4.39e-7	lbs/hr	CC7%O2
6F Total	327C4R1	8.53e+0	ng/dscm 7%O2	5.82e-7	lbs/hr	CE7%O2
6F Total	327C4R2	1.34e+1	ng/dscm 7%O2	7.79e-7	lbs/hr	CE7%O2
6F Total	327C4R3	6.88e+0	ng/dscm 7%O2	5.24e-7	lbs/hr	CE7%O2
6F Total	327C5R1	5.56e+0	ng/dscm 7%O2	4.27e-7	lbs/hr	CE7%O2
6F Total	327C5R2	5.25e+0	ng/dscm 7%O2	3.85e-7	lbs/hr	CE7%O2
6F Total	327C5R3	3.45e+0	ng/dscm 7%O2	2.78e-7	lbs/hr	CE7%O2
7D 1234678	327C1R1	2.43e+1	ng/dscm 7%O2	2.37e-6	lbs/hr	CC7%O2
7D 1234678	327C1R2	1.59e+1	ng/dscm 7%O2	1.55e-6	lbs/hr	CC7%O2
7D 1234678	327C1R3	8.89e+0	ng/dscm 7%O2	8.40e-7	lbs/hr	CC7%O2
7D 1234678	327C2R1	1.08e+1	ng/dscm 7%O2	1.08e-6	lbs/hr	CC7%O2
7D 1234678	327C2R2	1.62e+1	ng/dscm 7%O2	1.63e-6	lbs/hr	CC7%O2
7D 1234678	327C2R3	9.04e+0	ng/dscm 7%O2	9.13e-7	lbs/hr	CC7%O2
7D 1234678	327C3R1	9.99e+0	ng/dscm 7%O2	1.04e-6	lbs/hr	CC7%O2
7D 1234678	327C3R2	5.54e+0	ng/dscm 7%O2	5.62e-7	lbs/hr	CC7%O2
7D 1234678	327C3R3	6.42e+0	ng/dscm 7%O2	5.51e-7	lbs/hr	CC7%O2
7D 1234678	327C4R1	3.35e+0	ng/dscm 7%O2	2.28e-7	lbs/hr	CE7%O2
7D 1234678	327C4R2	5.39e+0	ng/dscm 7%O2	3.13e-7	lbs/hr	CE7%O2
7D 1234678	327C4R3	1.94e+0	ng/dscm 7%O2	1.48e-7	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

7D 1234678	327C5R1	1.79e+0	ng/dscm 7%O2	1.38e-7	lbs/hr	CE7%O2
7D 1234678	327C5R2	1.81e+0	ng/dscm 7%O2	1.33e-7	lbs/hr	CE7%O2
7D 1234678	327C5R3	9.53e-1	ng/dscm 7%O2	7.67e-8	lbs/hr	CE7%O2
7D Other	327C1R1	2.29e+1	ng/dscm 7%O2	2.23e-6	lbs/hr	OCE
7D Other	327C1R2	1.63e+1	ng/dscm 7%O2	1.59e-6	lbs/hr	OCE
7D Other	327C1R3	9.42e+0	ng/dscm 7%O2	8.90e-7	lbs/hr	OCE
7D Other	327C2R1	1.33e+1	ng/dscm 7%O2	1.32e-6	lbs/hr	OCE
7D Other	327C2R2	1.95e+1	ng/dscm 7%O2	1.95e-6	lbs/hr	OCE
7D Other	327C2R3	1.10e+1	ng/dscm 7%O2	1.11e-6	lbs/hr	OCE
7D Other	327C3R1	1.44e+1	ng/dscm 7%O2	1.51e-6	lbs/hr	OCE
7D Other	327C3R2	5.71e+0	ng/dscm 7%O2	5.80e-7	lbs/hr	OCE
7D Other	327C3R3	6.89e+0	ng/dscm 7%O2	5.91e-7	lbs/hr	OCE
7D Other	327C4R1	4.72e+0	ng/dscm 7%O2	3.23e-7	lbs/hr	OCE
7D Other	327C4R2	7.49e+0	ng/dscm 7%O2	4.35e-7	lbs/hr	OCE
7D Other	327C4R3	2.41e+0	ng/dscm 7%O2	1.84e-7	lbs/hr	OCE
7D Other	327C5R1	2.41e+0	ng/dscm 7%O2	1.85e-7	lbs/hr	OCE
7D Other	327C5R2	2.44e+0	ng/dscm 7%O2	1.79e-7	lbs/hr	OCE
7D Other	327C5R3	1.37e+0	ng/dscm 7%O2	1.10e-7	lbs/hr	OCE
7D Total	327C1R1	4.72e+1	ng/dscm 7%O2	4.60e-6	lbs/hr	CC7%O2
7D Total	327C1R2	3.22e+1	ng/dscm 7%O2	3.14e-6	lbs/hr	CC7%O2
7D Total	327C1R3	1.83e+1	ng/dscm 7%O2	1.73e-6	lbs/hr	CC7%O2
7D Total	327C2R1	2.41e+1	ng/dscm 7%O2	2.40e-6	lbs/hr	CC7%O2
7D Total	327C2R2	3.57e+1	ng/dscm 7%O2	3.58e-6	lbs/hr	CC7%O2
7D Total	327C2R3	2.00e+1	ng/dscm 7%O2	2.02e-6	lbs/hr	CC7%O2
7D Total	327C3R1	2.44e+1	ng/dscm 7%O2	2.55e-6	lbs/hr	CC7%O2
7D Total	327C3R2	1.13e+1	ng/dscm 7%O2	1.14e-6	lbs/hr	CC7%O2
7D Total	327C3R3	1.33e+1	ng/dscm 7%O2	1.14e-6	lbs/hr	CC7%O2
7D Total	327C4R1	8.07e+0	ng/dscm 7%O2	5.51e-7	lbs/hr	CE7%O2
7D Total	327C4R2	1.29e+1	ng/dscm 7%O2	7.48e-7	lbs/hr	CE7%O2
7D Total	327C4R3	4.35e+0	ng/dscm 7%O2	3.32e-7	lbs/hr	CE7%O2
7D Total	327C5R1	4.20e+0	ng/dscm 7%O2	3.22e-7	lbs/hr	CE7%O2
7D Total	327C5R2	4.25e+0	ng/dscm 7%O2	3.11e-7	lbs/hr	CE7%O2
7D Total	327C5R3	2.32e+0	ng/dscm 7%O2	1.87e-7	lbs/hr	CE7%O2
7F 1234678	327C1R1	3.16e+1	ng/dscm 7%O2	3.08e-6	lbs/hr	CC7%O2
7F 1234678	327C1R2	2.85e+1	ng/dscm 7%O2	2.79e-6	lbs/hr	CC7%O2
7F 1234678	327C1R3	1.51e+1	ng/dscm 7%O2	1.43e-6	lbs/hr	CC7%O2
7F 1234678	327C2R1	4.05e+1	ng/dscm 7%O2	4.03e-6	lbs/hr	CC7%O2
7F 1234678	327C2R2	7.77e+1	ng/dscm 7%O2	7.78e-6	lbs/hr	CC7%O2
7F 1234678	327C2R3	7.31e+1	ng/dscm 7%O2	7.38e-6	lbs/hr	CC7%O2
7F 1234678	327C3R1	2.28e+1	ng/dscm 7%O2	2.38e-6	lbs/hr	CC7%O2
7F 1234678	327C3R2	1.79e+1	ng/dscm 7%O2	1.82e-6	lbs/hr	CC7%O2
7F 1234678	327C3R3	1.43e+1	ng/dscm 7%O2	1.23e-6	lbs/hr	CC7%O2
7F 1234678	327C4R1	2.30e+0	ng/dscm 7%O2	1.57e-7	lbs/hr	CE7%O2
7F 1234678	327C4R2	3.37e+0	ng/dscm 7%O2	1.96e-7	lbs/hr	CE7%O2
7F 1234678	327C4R3	1.82e+0	ng/dscm 7%O2	1.39e-7	lbs/hr	CE7%O2
7F 1234678	327C5R1	1.17e+0	ng/dscm 7%O2	9.01e-8	lbs/hr	CE7%O2
7F 1234678	327C5R2	1.06e+0	ng/dscm 7%O2	7.78e-8	lbs/hr	CE7%O2
7F 1234678	327C5R3	7.15e-1	ng/dscm 7%O2	5.76e-8	lbs/hr	CE7%O2
7F 1234789	327C1R1	1.92e+1	ng/dscm 7%O2	1.87e-6	lbs/hr	CC7%O2
7F 1234789	327C1R2	1.13e+1	ng/dscm 7%O2	1.10e-6	lbs/hr	CC7%O2
7F 1234789	327C1R3	5.40e+0	ng/dscm 7%O2	5.10e-7	lbs/hr	CC7%O2
7F 1234789	327C2R1	9.13e+0	ng/dscm 7%O2	9.08e-7	lbs/hr	CC7%O2
7F 1234789	327C2R2	1.21e+1	ng/dscm 7%O2	1.21e-6	lbs/hr	CC7%O2
7F 1234789	327C2R3	9.39e+0	ng/dscm 7%O2	9.48e-7	lbs/hr	CC7%O2
7F 1234789	327C3R1	7.87e+0	ng/dscm 7%O2	8.22e-7	lbs/hr	CC7%O2
7F 1234789	327C3R2	4.95e+0	ng/dscm 7%O2	5.03e-7	lbs/hr	CC7%O2
7F 1234789	327C3R3	3.88e+0	ng/dscm 7%O2	3.33e-7	lbs/hr	CC7%O2
7F 1234789	327C4R1	2.43e-1	ng/dscm 7%O2	1.66e-8	lbs/hr	CE7%O2
7F 1234789	327C4R2	3.44e-1	ng/dscm 7%O2	2.00e-8	lbs/hr	CE7%O2
7F 1234789	327C4R3	3.65e-1	ng/dscm 7%O2	2.78e-8	lbs/hr	CE7%O2
7F 1234789	327C5R1	2.04e-1	ng/dscm 7%O2	1.56e-8	lbs/hr	CE7%O2
7F 1234789	327C5R2	1.50e-1	ng/dscm 7%O2	1.10e-8	lbs/hr	CE7%O2
7F 1234789	327C5R3	8.34e-2	ng/dscm 7%O2	6.72e-9	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT



SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS

2. STATE: UT

3. CITY: ARAGONITE

EPA ID: UTD981552177

REGION: 8

4. EP ID: 327 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP

7F Other	327C1R1	2.16e+1	ng/dscm 7%O2	2.10e-6	lbs/hr	OCE
7F Other	327C1R2	1.67e+1	ng/dscm 7%O2	1.63e-6	lbs/hr	OCE
7F Other	327C1R3	1.42e+1	ng/dscm 7%O2	1.34e-6	lbs/hr	OCE
7F Other	327C2R1	3.72e+1	ng/dscm 7%O2	3.70e-6	lbs/hr	OCE
7F Other	327C2R2	6.53e+1	ng/dscm 7%O2	6.54e-6	lbs/hr	OCE
7F Other	327C2R3	5.75e+1	ng/dscm 7%O2	5.80e-6	lbs/hr	OCE
7F Other	327C3R1	2.30e+1	ng/dscm 7%O2	2.40e-6	lbs/hr	OCE
7F Other	327C3R2	1.40e+1	ng/dscm 7%O2	1.42e-6	lbs/hr	OCE
7F Other	327C3R3	1.08e+1	ng/dscm 7%O2	9.28e-7	lbs/hr	OCE
7F Other	327C4R1	9.38e-1	ng/dscm 7%O2	6.41e-8	lbs/hr	OCE
7F Other	327C4R2	2.43e+0	ng/dscm 7%O2	1.41e-7	lbs/hr	OCE
7F Other	327C4R3	1.75e+0	ng/dscm 7%O2	1.34e-7	lbs/hr	OCE
7F Other	327C5R1	1.28e+0	ng/dscm 7%O2	9.82e-8	lbs/hr	OCE
7F Other	327C5R2	6.00e-1	ng/dscm 7%O2	4.39e-8	lbs/hr	OCE
7F Other	327C5R3	6.31e-1	ng/dscm 7%O2	5.08e-8	lbs/hr	OCE
7F Total	327C1R1	7.24e+1	ng/dscm 7%O2	7.06e-6	lbs/hr	CC7%O2
7F Total	327C1R2	5.65e+1	ng/dscm 7%O2	5.52e-6	lbs/hr	CC7%O2
7F Total	327C1R3	3.47e+1	ng/dscm 7%O2	3.28e-6	lbs/hr	CC7%O2
7F Total	327C2R1	8.69e+1	ng/dscm 7%O2	8.64e-6	lbs/hr	CC7%O2
7F Total	327C2R2	1.55e+2	ng/dscm 7%O2	1.55e-5	lbs/hr	CC7%O2
7F Total	327C2R3	1.40e+2	ng/dscm 7%O2	1.41e-5	lbs/hr	CC7%O2
7F Total	327C3R1	5.36e+1	ng/dscm 7%O2	5.60e-6	lbs/hr	CC7%O2
7F Total	327C3R2	3.69e+1	ng/dscm 7%O2	3.74e-6	lbs/hr	CC7%O2
7F Total	327C3R3	2.90e+1	ng/dscm 7%O2	2.49e-6	lbs/hr	CC7%O2
7F Total	327C4R1	3.48e+0	ng/dscm 7%O2	2.37e-7	lbs/hr	CE7%O2
7F Total	327C4R2	6.14e+0	ng/dscm 7%O2	3.57e-7	lbs/hr	CE7%O2
7F Total	327C4R3	3.94e+0	ng/dscm 7%O2	3.00e-7	lbs/hr	CE7%O2
7F Total	327C5R1	2.66e+0	ng/dscm 7%O2	2.04e-7	lbs/hr	CE7%O2
7F Total	327C5R2	1.81e+0	ng/dscm 7%O2	1.33e-7	lbs/hr	CE7%O2
7F Total	327C5R3	1.43e+0	ng/dscm 7%O2	1.15e-7	lbs/hr	CE7%O2
8D	327C1R1	3.75e+1	ng/dscm 7%O2	3.66e-6	lbs/hr	CC7%O2
8D	327C1R2	1.37e+1	ng/dscm 7%O2	1.34e-6	lbs/hr	CC7%O2
8D	327C1R3	7.84e+0	ng/dscm 7%O2	7.41e-7	lbs/hr	CC7%O2
8D	327C2R1	1.30e+1	ng/dscm 7%O2	1.29e-6	lbs/hr	CC7%O2
8D	327C2R2	2.08e+1	ng/dscm 7%O2	2.09e-6	lbs/hr	CC7%O2
8D	327C2R3	1.40e+1	ng/dscm 7%O2	1.42e-6	lbs/hr	CC7%O2
8D	327C3R1	1.25e+1	ng/dscm 7%O2	1.31e-6	lbs/hr	CC7%O2
8D	327C3R2	8.82e+0	ng/dscm 7%O2	8.95e-7	lbs/hr	CC7%O2
8D	327C3R3	9.94e+0	ng/dscm 7%O2	8.53e-7	lbs/hr	CC7%O2
8D	327C4R1	3.08e+0	ng/dscm 7%O2	2.11e-7	lbs/hr	CE7%O2
8D	327C4R2	5.02e+0	ng/dscm 7%O2	2.92e-7	lbs/hr	CE7%O2
8D	327C4R3	2.00e+0	ng/dscm 7%O2	1.52e-7	lbs/hr	CE7%O2
8D	327C5R1	1.54e+0	ng/dscm 7%O2	1.19e-7	lbs/hr	CE7%O2
8D	327C5R2	1.62e+0	ng/dscm 7%O2	1.19e-7	lbs/hr	CE7%O2
8D	327C5R3	7.74e-1	ng/dscm 7%O2	6.24e-8	lbs/hr	CE7%O2
8F	327C1R1	4.33e+1	ng/dscm 7%O2	4.22e-6	lbs/hr	CC7%O2
8F	327C1R2	3.10e+1	ng/dscm 7%O2	3.03e-6	lbs/hr	CC7%O2
8F	327C1R3	1.02e+1	ng/dscm 7%O2	9.66e-7	lbs/hr	CC7%O2
8F	327C2R1	4.67e+1	ng/dscm 7%O2	4.64e-6	lbs/hr	CC7%O2
8F	327C2R2	6.47e+1	ng/dscm 7%O2	6.48e-6	lbs/hr	CC7%O2
8F	327C2R3	8.47e+1	ng/dscm 7%O2	8.55e-6	lbs/hr	CC7%O2
8F	327C3R1	2.96e+1	ng/dscm 7%O2	3.09e-6	lbs/hr	CC7%O2
8F	327C3R2	1.69e+1	ng/dscm 7%O2	1.72e-6	lbs/hr	CC7%O2
8F	327C3R3	1.10e+1	ng/dscm 7%O2	9.48e-7	lbs/hr	CC7%O2
8F	327C4R1	1.31e+0	ng/dscm 7%O2	8.96e-8	lbs/hr	CE7%O2
8F	327C4R2	1.42e+0	ng/dscm 7%O2	8.27e-8	lbs/hr	CE7%O2
8F	327C4R3	1.71e+0	ng/dscm 7%O2	1.30e-7	lbs/hr	CE7%O2
8F	327C5R1	8.03e-1	ng/dscm 7%O2	6.16e-8	lbs/hr	CE7%O2
8F	327C5R2	5.50e-1	ng/dscm 7%O2	4.03e-8	lbs/hr	CE7%O2
8F	327C5R3	3.16e-1	ng/dscm 7%O2	2.54e-8	lbs/hr	CE7%O2
TEQ	327C1R1	2.75e+1	ng/dscm 7%O2	2.68e-6	lbs/hr	COET
TEQ	327C1R2	2.18e+1	ng/dscm 7%O2	2.13e-6	lbs/hr	COET
TEQ	327C1R3	1.10e+1	ng/dscm 7%O2	1.04e-6	lbs/hr	COET

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS

2. STATE: UT

3. CITY: ARAGONITE

4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177

REGION: 8

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP

TEQ	327C2R1	1.33e+1	ng/dscm	7%O2	1.33e-6	lbs/hr	CCET
TEQ	327C2R2	2.29e+1	ng/dscm	7%O2	2.29e-6	lbs/hr	CCET
TEQ	327C2R3	1.89e+1	ng/dscm	7%O2	1.91e-6	lbs/hr	CCET
TEQ	327C3R1	1.09e+1	ng/dscm	7%O2	1.14e-6	lbs/hr	CCET
TEQ	327C3R2	7.45e+0	ng/dscm	7%O2	7.56e-7	lbs/hr	CCET
TEQ	327C3R3	7.15e+0	ng/dscm	7%O2	6.13e-7	lbs/hr	CCET
TEQ	327C4R1	1.42e+0	ng/dscm	7%O2	9.70e-8	lbs/hr	CCET
TEQ	327C4R2	1.96e+0	ng/dscm	7%O2	1.14e-7	lbs/hr	CCET
TEQ	327C4R3	9.47e-1	ng/dscm	7%O2	7.21e-8	lbs/hr	CCET
TEQ	327C5R1	9.51e-1	ng/dscm	7%O2	7.30e-8	lbs/hr	CCET
TEQ	327C5R2	8.99e-1	ng/dscm	7%O2	6.59e-8	lbs/hr	CCET
TEQ	327C5R3	5.70e-1	ng/dscm	7%O2	4.59e-8	lbs/hr	CCET
Total PCDD/PCDF	327C1R1	8.68e+2	ng/dscm	7%O2	8.46e-5	lbs/hr	CCET
Total PCDD/PCDF	327C1R2	7.56e+2	ng/dscm	7%O2	7.39e-5	lbs/hr	CCET
Total PCDD/PCDF	327C1R3	4.06e+2	ng/dscm	7%O2	3.83e-5	lbs/hr	CCET
Total PCDD/PCDF	327C2R1	5.37e+2	ng/dscm	7%O2	5.34e-5	lbs/hr	CCET
Total PCDD/PCDF	327C2R2	9.11e+2	ng/dscm	7%O2	9.13e-5	lbs/hr	CCET
Total PCDD/PCDF	327C2R3	7.92e+2	ng/dscm	7%O2	8.00e-5	lbs/hr	CCET
Total PCDD/PCDF	327C3R1	4.38e+2	ng/dscm	7%O2	4.57e-5	lbs/hr	CCET
Total PCDD/PCDF	327C3R2	2.52e+2	ng/dscm	7%O2	2.55e-5	lbs/hr	CCET
Total PCDD/PCDF	327C3R3	2.12e+2	ng/dscm	7%O2	1.82e-5	lbs/hr	CCET
Total PCDD/PCDF	327C4R1	7.64e+1	ng/dscm	7%O2	5.22e-6	lbs/hr	CCET
Total PCDD/PCDF	327C4R2	1.06e+2	ng/dscm	7%O2	6.16e-6	lbs/hr	CCET
Total PCDD/PCDF	327C4R3	4.94e+1	ng/dscm	7%O2	3.76e-6	lbs/hr	CCET
Total PCDD/PCDF	327C5R1	5.01e+1	ng/dscm	7%O2	3.85e-6	lbs/hr	CCET
Total PCDD/PCDF	327C5R2	4.63e+1	ng/dscm	7%O2	3.39e-6	lbs/hr	CCET
Total PCDD/PCDF	327C5R3	2.76e+1	ng/dscm	7%O2	2.23e-6	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Chlorine	327C1R1	3.19e-1	ppmv 7%O2	9.13e-2	lbs/hr	CC7%O2	
Chlorine	327C1R2	2.15e-1	ppmv 7%O2	6.18e-2	lbs/hr	CC7%O2	
Chlorine	327C1R3	1.58e-1	ppmv 7%O2	4.39e-2	lbs/hr	CC7%O2	
Chlorine	327C2R1	1.38e-1	ppmv 7%O2	4.05e-2	lbs/hr	CC7%O2	
Chlorine	327C2R2	2.75e-1	ppmv 7%O2	8.10e-2	lbs/hr	CC7%O2	
Chlorine	327C2R3	1.92e-1	ppmv 7%O2	5.71e-2	lbs/hr	CC7%O2	
Chlorine	327C3R1	3.14e-1	ppmv 7%O2	9.64e-2	lbs/hr	CC7%O2	
Chlorine	327C3R2	1.22e-1	ppmv 7%O2	3.64e-2	lbs/hr	CC7%O2	
Chlorine	327C3R3	1.35e-1	ppmv 7%O2	3.40e-2	lbs/hr	CC7%O2	
HCl	327C1R1	1.15e+1	ppmv 7%O2	1.70e+0	lbs/hr	CC7%O2	
HCl	327C1R2	8.89e+0	ppmv 7%O2	1.31e+0	lbs/hr	CC7%O2	
HCl	327C1R3	7.27e+0	ppmv 7%O2	1.04e+0	lbs/hr	CC7%O2	
HCl	327C2R1	ND	2.53e-1	ppmv 7%O2	3.80e-2	lbs/hr	CC7%O2
HCl	327C2R2	ND	2.05e-1	ppmv 7%O2	3.10e-2	lbs/hr	CC7%O2
HCl	327C2R3	ND	2.16e-1	ppmv 7%O2	3.30e-2	lbs/hr	CC7%O2
HCl	327C3R1	ND	6.33e-1	ppmv 7%O2	1.00e-1	lbs/hr	CC7%O2
HCl	327C3R2	ND	2.28e-1	ppmv 7%O2	3.50e-2	lbs/hr	CC7%O2
HCl	327C3R3	ND	2.98e+0	ppmv 7%O2	3.87e-1	lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc		
Antimony	327C1R1	ND	6.76e+0	ug/dscm 7%O2	6.59e-4	lbs/hr	CC7%O2
Antimony	327C1R2	ND	6.40e+0	ug/dscm 7%O2	6.26e-4	lbs/hr	CC7%O2
Antimony	327C1R3	ND	6.86e+0	ug/dscm 7%O2	6.48e-4	lbs/hr	CC7%O2
Antimony	327C2R1	ND	7.42e+0	ug/dscm 7%O2	7.38e-4	lbs/hr	CC7%O2
Antimony	327C2R2	ND	7.35e+0	ug/dscm 7%O2	7.37e-4	lbs/hr	CC7%O2
Antimony	327C2R3	ND	7.30e+0	ug/dscm 7%O2	7.37e-4	lbs/hr	CC7%O2
Antimony	327C3R1	ND	7.10e+0	ug/dscm 7%O2	7.42e-4	lbs/hr	CC7%O2
Antimony	327C3R2	ND	6.99e+0	ug/dscm 7%O2	7.10e-4	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177  
 SYSTEM TYPE: COMMERCIAL INCINERATOR

REGION: 8  
 APC SYSTEM: SD/FF/WS/ESP

Antimony	327C3R3	ND	4.79e+0	ug/dscm	7%O2	4.11e-4	lbs/hr	CC7%O2
Arsenic	327C1R1	ND	5.64e+0	ug/dscm	7%O2	5.49e-4	lbs/hr	CC7%O2
Arsenic	327C1R2	ND	5.33e+0	ug/dscm	7%O2	5.21e-4	lbs/hr	CC7%O2
Arsenic	327C1R3		3.43e+0	ug/dscm	7%O2	3.24e-4	lbs/hr	CC7%O2
Arsenic	327C2R1	ND	6.28e+0	ug/dscm	7%O2	6.24e-4	lbs/hr	CC7%O2
Arsenic	327C2R2		7.93e+0	ug/dscm	7%O2	7.94e-4	lbs/hr	CC7%O2
Arsenic	327C2R3	ND	6.17e+0	ug/dscm	7%O2	6.23e-4	lbs/hr	CC7%O2
Arsenic	327C3R1	ND	6.01e+0	ug/dscm	7%O2	6.27e-4	lbs/hr	CC7%O2
Arsenic	327C3R2	ND	5.92e+0	ug/dscm	7%O2	6.00e-4	lbs/hr	CC7%O2
Arsenic	327C3R3	ND	7.53e+0	ug/dscm	7%O2	6.46e-4	lbs/hr	CC7%O2
Barium	327C1R1		1.73e+1	ug/dscm	7%O2	1.68e-3	lbs/hr	CC7%O2
Barium	327C1R2		1.42e+1	ug/dscm	7%O2	1.39e-3	lbs/hr	CC7%O2
Barium	327C1R3		8.11e-1	ug/dscm	7%O2	7.66e-5	lbs/hr	CC7%O2
Barium	327C2R1		2.77e+0	ug/dscm	7%O2	2.76e-4	lbs/hr	CC7%O2
Barium	327C2R2		2.34e+0	ug/dscm	7%O2	2.34e-4	lbs/hr	CC7%O2
Barium	327C2R3		2.70e+0	ug/dscm	7%O2	2.72e-4	lbs/hr	CC7%O2
Barium	327C3R1		3.00e+0	ug/dscm	7%O2	3.13e-4	lbs/hr	CC7%O2
Barium	327C3R2		3.33e+0	ug/dscm	7%O2	3.38e-4	lbs/hr	CC7%O2
Barium	327C3R3		4.60e+0	ug/dscm	7%O2	3.95e-4	lbs/hr	CC7%O2
Beryllium	327C1R1		7.32e-1	ug/dscm	7%O2	7.14e-5	lbs/hr	CC7%O2
Beryllium	327C1R2		8.53e-1	ug/dscm	7%O2	8.34e-5	lbs/hr	CC7%O2
Beryllium	327C1R3		3.43e-1	ug/dscm	7%O2	3.24e-5	lbs/hr	CC7%O2
Beryllium	327C2R1	ND	2.49e-1	ug/dscm	7%O2	2.48e-5	lbs/hr	CC7%O2
Beryllium	327C2R2		1.13e-1	ug/dscm	7%O2	1.14e-5	lbs/hr	CC7%O2
Beryllium	327C2R3	ND	2.44e-1	ug/dscm	7%O2	2.47e-5	lbs/hr	CC7%O2
Beryllium	327C3R1	ND	2.36e-1	ug/dscm	7%O2	2.46e-5	lbs/hr	CC7%O2
Beryllium	327C3R2	ND	2.32e-1	ug/dscm	7%O2	2.36e-5	lbs/hr	CC7%O2
Beryllium	327C3R3	ND	2.96e-1	ug/dscm	7%O2	2.54e-5	lbs/hr	CC7%O2
Cadmium	327C1R1		6.20e-1	ug/dscm	7%O2	6.04e-5	lbs/hr	CC7%O2
Cadmium	327C1R2		6.45e-1	ug/dscm	7%O2	6.30e-5	lbs/hr	CC7%O2
Cadmium	327C1R3		8.66e-1	ug/dscm	7%O2	8.18e-5	lbs/hr	CC7%O2
Cadmium	327C2R1		1.99e+0	ug/dscm	7%O2	1.98e-4	lbs/hr	CC7%O2
Cadmium	327C2R2		1.32e+0	ug/dscm	7%O2	1.32e-4	lbs/hr	CC7%O2
Cadmium	327C2R3		7.69e-1	ug/dscm	7%O2	7.77e-5	lbs/hr	CC7%O2
Cadmium	327C3R1		4.55e+1	ug/dscm	7%O2	4.75e-3	lbs/hr	CC7%O2
Cadmium	327C3R2		9.31e+0	ug/dscm	7%O2	9.45e-4	lbs/hr	CC7%O2
Cadmium	327C3R3		2.26e+0	ug/dscm	7%O2	1.94e-4	lbs/hr	CC7%O2
Chromium	327C1R1		2.87e+1	ug/dscm	7%O2	2.79e-3	lbs/hr	CC7%O2
Chromium	327C1R2		2.80e+1	ug/dscm	7%O2	2.74e-3	lbs/hr	CC7%O2
Chromium	327C1R3		2.14e+1	ug/dscm	7%O2	2.02e-3	lbs/hr	CC7%O2
Chromium	327C2R1		4.07e+0	ug/dscm	7%O2	4.05e-4	lbs/hr	CC7%O2
Chromium	327C2R2		1.83e+1	ug/dscm	7%O2	1.83e-3	lbs/hr	CC7%O2
Chromium	327C2R3		2.55e+0	ug/dscm	7%O2	2.57e-4	lbs/hr	CC7%O2
Chromium	327C3R1		4.16e+0	ug/dscm	7%O2	4.34e-4	lbs/hr	CC7%O2
Chromium	327C3R2		9.23e+0	ug/dscm	7%O2	9.37e-4	lbs/hr	CC7%O2
Chromium	327C3R3		8.49e+0	ug/dscm	7%O2	7.29e-4	lbs/hr	CC7%O2
Chromium (Hex)	327C1R1		5.13e-1	ug/dscm	7%O2	5.00e-5	lbs/hr	CC7%O2
Chromium (Hex)	327C1R2		6.14e-2	ug/dscm	7%O2	6.00e-6	lbs/hr	CC7%O2
Chromium (Hex)	327C1R3		2.12e-1	ug/dscm	7%O2	2.00e-5	lbs/hr	CC7%O2
Lead	327C1R1		1.97e+1	ug/dscm	7%O2	1.92e-3	lbs/hr	CC7%O2
Lead	327C1R2		1.54e+1	ug/dscm	7%O2	1.51e-3	lbs/hr	CC7%O2
Lead	327C1R3		3.66e+1	ug/dscm	7%O2	3.45e-3	lbs/hr	CC7%O2
Lead	327C2R1	ND	6.28e+0	ug/dscm	7%O2	6.24e-4	lbs/hr	CC7%O2
Lead	327C2R2		5.37e+1	ug/dscm	7%O2	5.38e-3	lbs/hr	CC7%O2
Lead	327C2R3	ND	6.17e+0	ug/dscm	7%O2	6.23e-4	lbs/hr	CC7%O2
Lead	327C3R1		1.20e+1	ug/dscm	7%O2	1.25e-3	lbs/hr	CC7%O2
Lead	327C3R2		2.37e+1	ug/dscm	7%O2	2.41e-3	lbs/hr	CC7%O2
Lead	327C3R3		1.92e+1	ug/dscm	7%O2	1.64e-3	lbs/hr	CC7%O2
Mercury	327C1R1		1.45e+3	ug/dscm	7%O2	1.41e-1	lbs/hr	CC7%O2
Mercury	327C1R2		5.64e+2	ug/dscm	7%O2	5.51e-2	lbs/hr	CC7%O2
Mercury	327C1R3		2.07e+3	ug/dscm	7%O2	1.95e-1	lbs/hr	CC7%O2
Mercury	327C2R1		5.70e+2	ug/dscm	7%O2	5.67e-2	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS

2. STATE: UT

3. CITY: ARAGONITE

EPA ID: UTD981552177

REGION: 8

4. EP ID: 327 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP

Mercury	327C2R2	3.28e+2	ug/dscm	7%O2	3.29e-2	lbs/hr	CC7%O2	
Mercury	327C2R3	2.85e+2	ug/dscm	7%O2	2.88e-2	lbs/hr	CC7%O2	
Mercury	327C3R1	8.14e+2	ug/dscm	7%O2	8.50e-2	lbs/hr	CC7%O2	
Mercury	327C3R2	1.54e+2	ug/dscm	7%O2	1.56e-2	lbs/hr	CC7%O2	
Mercury	327C3R3	2.40e+3	ug/dscm	7%O2	2.06e-1	lbs/hr	CC7%O2	
Silver	327C1R1	ND	2.31e+0	ug/dscm	7%O2	2.25e-4	lbs/hr	CC7%O2
Silver	327C1R2	ND	3.25e+0	ug/dscm	7%O2	3.18e-4	lbs/hr	CC7%O2
Silver	327C1R3	ND	2.35e+0	ug/dscm	7%O2	2.22e-4	lbs/hr	CC7%O2
Silver	327C2R1	ND	2.51e+0	ug/dscm	7%O2	2.49e-4	lbs/hr	CC7%O2
Silver	327C2R2	ND	2.49e+0	ug/dscm	7%O2	2.49e-4	lbs/hr	CC7%O2
Silver	327C2R3	ND	2.47e+0	ug/dscm	7%O2	2.49e-4	lbs/hr	CC7%O2
Silver	327C3R1	ND	2.35e+0	ug/dscm	7%O2	2.45e-4	lbs/hr	CC7%O2
Silver	327C3R2	ND	2.32e+0	ug/dscm	7%O2	2.35e-4	lbs/hr	CC7%O2
Silver	327C3R3	ND	2.94e+0	ug/dscm	7%O2	2.52e-4	lbs/hr	CC7%O2
Thallium	327C1R1	ND	1.12e+1	ug/dscm	7%O2	1.10e-3	lbs/hr	CC7%O2
Thallium	327C1R2	ND	1.06e+1	ug/dscm	7%O2	1.04e-3	lbs/hr	CC7%O2
Thallium	327C1R3	ND	1.14e+1	ug/dscm	7%O2	1.08e-3	lbs/hr	CC7%O2
Thallium	327C2R1	ND	1.25e+1	ug/dscm	7%O2	1.25e-3	lbs/hr	CC7%O2
Thallium	327C2R2	ND	1.24e+1	ug/dscm	7%O2	1.25e-3	lbs/hr	CC7%O2
Thallium	327C2R3	ND	1.23e+1	ug/dscm	7%O2	1.25e-3	lbs/hr	CC7%O2
Thallium	327C3R1	ND	1.20e+1	ug/dscm	7%O2	1.25e-3	lbs/hr	CC7%O2
Thallium	327C3R2	ND	1.18e+1	ug/dscm	7%O2	1.20e-3	lbs/hr	CC7%O2
Thallium	327C3R3	ND	1.51e+1	ug/dscm	7%O2	1.29e-3	lbs/hr	CC7%O2

7. Category: PAH

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Naphthalene	327C1R1	5.12e+3 ng/dscm 7%O2	4.99e-4 lbs/hr	CC7%O2
Naphthalene	327C1R2	2.16e+3 ng/dscm 7%O2	2.11e-4 lbs/hr	CC7%O2
Naphthalene	327C1R3	5.42e+3 ng/dscm 7%O2	5.12e-4 lbs/hr	CC7%O2
Naphthalene	327C2R1	2.05e+3 ng/dscm 7%O2	2.04e-4 lbs/hr	CC7%O2
Naphthalene	327C2R2	2.81e+3 ng/dscm 7%O2	2.82e-4 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	327C1R1	9.10e-4 gr/dscf 7%O2	2.03e-1 lbs/hr	CE7%O2
Particulate	327C1R3	2.54e-3 gr/dscf 7%O2	5.49e-1 lbs/hr	CE7%O2
Particulate	327C2R1	1.16e-3 gr/dscf 7%O2	2.63e-1 lbs/hr	CE7%O2
Particulate	327C2R2	2.71e-3 gr/dscf 7%O2	6.21e-1 lbs/hr	CE7%O2
Particulate	327C2R3	1.03e-3 gr/dscf 7%O2	2.39e-1 lbs/hr	CE7%O2
Particulate	327C3R2	1.49e-3 gr/dscf 7%O2	3.46e-1 lbs/hr	CE7%O2
Particulate	327C3R3	2.88e-4 gr/dscf 7%O2	5.67e-2 lbs/hr	CE7%O2

7. Category: PCB

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc	
PCBs	327C1R1	2.13e+3 ng/dscm 7%O2	2.08e-4 lbs/hr	CC7%O2	
PCBs	327C1R2	5.22e+2 ng/dscm 7%O2	5.10e-5 lbs/hr	CC7%O2	
PCBs	327C1R3	ND	2.65e+2 ng/dscm 7%O2	2.50e-5 lbs/hr	CC7%O2
PCBs	327C2R1	ND	2.04e+3 ng/dscm 7%O2	2.03e-4 lbs/hr	CC7%O2
PCBs	327C2R2	ND	2.61e+3 ng/dscm 7%O2	2.61e-4 lbs/hr	CC7%O2
PCBs	327C2R3	ND	1.84e+4 ng/dscm 7%O2	1.86e-3 lbs/hr	CC7%O2
PCBs	327C3R1	ND	2.19e+3 ng/dscm 7%O2	2.29e-4 lbs/hr	CC7%O2
PCBs	327C3R2	ND	5.91e+2 ng/dscm 7%O2	6.00e-5 lbs/hr	CC7%O2
PCBs	327C3R3	ND	6.64e+2 ng/dscm 7%O2	5.70e-5 lbs/hr	CC7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
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SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

1,2,4-Trichlorobenzene	327C1R1	5.80e+3	ng/dscm	7%O2	5.65e-4	lbs/hr	CC7%O2	
1,2,4-Trichlorobenzene	327C1R2	5.70e+3	ng/dscm	7%O2	5.57e-4	lbs/hr	CC7%O2	
1,2,4-Trichlorobenzene	327C1R3	2.53e+3	ng/dscm	7%O2	2.39e-4	lbs/hr	CC7%O2	
1,2,4-Trichlorobenzene	327C2R1	4.46e+3	ng/dscm	7%O2	4.44e-4	lbs/hr	CC7%O2	
1,2,4-Trichlorobenzene	327C2R2	7.06e+3	ng/dscm	7%O2	7.07e-4	lbs/hr	CC7%O2	
1,2-Dichlorobenzene	327C1R1	1.83e+3	ng/dscm	7%O2	1.78e-4	lbs/hr	CC7%O2	
1,2-Dichlorobenzene	327C2R1	2.50e+3	ng/dscm	7%O2	2.49e-4	lbs/hr	CC7%O2	
1,2-Dichlorobenzene	327C2R2	3.01e+3	ng/dscm	7%O2	3.02e-4	lbs/hr	CC7%O2	
1,3-Dichlorobenzene	327C1R1	1.96e+3	ng/dscm	7%O2	1.91e-4	lbs/hr	CC7%O2	
1,3-Dichlorobenzene	327C1R2	1.77e+3	ng/dscm	7%O2	1.73e-4	lbs/hr	CC7%O2	
1,3-Dichlorobenzene	327C2R1	2.33e+3	ng/dscm	7%O2	2.32e-4	lbs/hr	CC7%O2	
1,3-Dichlorobenzene	327C2R2	2.91e+3	ng/dscm	7%O2	2.92e-4	lbs/hr	CC7%O2	
1,4-Dichlorobenzene	327C1R1	2.35e+3	ng/dscm	7%O2	2.29e-4	lbs/hr	CC7%O2	
1,4-Dichlorobenzene	327C1R2	1.96e+3	ng/dscm	7%O2	1.92e-4	lbs/hr	CC7%O2	
1,4-Dichlorobenzene	327C2R1	1.49e+3	ng/dscm	7%O2	1.48e-4	lbs/hr	CC7%O2	
1,4-Dichlorobenzene	327C2R2	2.23e+3	ng/dscm	7%O2	2.23e-4	lbs/hr	CC7%O2	
2,4,6-Trichlorophenol	327C1R1	1.79e+4	ng/dscm	7%O2	1.75e-3	lbs/hr	CC7%O2	
2,4,6-Trichlorophenol	327C1R2	1.50e+4	ng/dscm	7%O2	1.46e-3	lbs/hr	CC7%O2	
2,4,6-Trichlorophenol	327C1R3	1.20e+4	ng/dscm	7%O2	1.14e-3	lbs/hr	CC7%O2	
2,4,6-Trichlorophenol	327C2R1	1.07e+4	ng/dscm	7%O2	1.06e-3	lbs/hr	CC7%O2	
2,4,6-Trichlorophenol	327C2R2	1.67e+4	ng/dscm	7%O2	1.68e-3	lbs/hr	CC7%O2	
2,4-Dichlorophenol	327C2R1	1.54e+3	ng/dscm	7%O2	1.53e-4	lbs/hr	CC7%O2	
2,4-Dichlorophenol	327C2R2	1.23e+3	ng/dscm	7%O2	1.23e-4	lbs/hr	CC7%O2	
Benzoic acid	327C1R1	5.94e+4	ng/dscm	7%O2	5.79e-3	lbs/hr	CC7%O2	
Benzoic acid	327C1R2	6.00e+4	ng/dscm	7%O2	5.86e-3	lbs/hr	CC7%O2	
Benzoic acid	327C1R3	5.47e+4	ng/dscm	7%O2	5.17e-3	lbs/hr	CC7%O2	
Benzoic acid	327C2R1	1.05e+5	ng/dscm	7%O2	1.05e-2	lbs/hr	CC7%O2	
Benzoic acid	327C2R2	1.24e+5	ng/dscm	7%O2	1.25e-2	lbs/hr	CC7%O2	
Benzoic acid	327C2R3	1.02e+5	ng/dscm	7%O2	1.03e-2	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C1R1	3.39e+3	ng/dscm	7%O2	3.30e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C1R2	1.83e+3	ng/dscm	7%O2	1.79e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C1R3	4.13e+3	ng/dscm	7%O2	3.90e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C2R1	6.41e+3	ng/dscm	7%O2	6.37e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C2R2	7.96e+3	ng/dscm	7%O2	7.97e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C2R3	7.60e+3	ng/dscm	7%O2	7.68e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C3R1	4.81e+3	ng/dscm	7%O2	5.02e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C3R2	8.58e+3	ng/dscm	7%O2	8.71e-4	lbs/hr	CC7%O2	
bis(2-ethylexyl) Phthalate	327C3R3	5.27e+3	ng/dscm	7%O2	4.52e-4	lbs/hr	CC7%O2	
Butylbenzylphthalate	327C2R1	1.68e+3	ng/dscm	7%O2	1.67e-4	lbs/hr	CC7%O2	
Butylbenzylphthalate	327C2R2	1.22e+3	ng/dscm	7%O2	1.22e-4	lbs/hr	CC7%O2	
di-n-Butyl Phthalate	327C1R1	7.70e+2	ng/dscm	7%O2	7.50e-5	lbs/hr	CC7%O2	
di-n-Butyl Phthalate	327C1R2	5.99e+3	ng/dscm	7%O2	5.85e-4	lbs/hr	CC7%O2	
di-n-Octyl Phthalate	327C2R1	1.01e+3	ng/dscm	7%O2	1.00e-4	lbs/hr	CC7%O2	
di-n-Octyl Phthalate	327C2R2	2.15e+3	ng/dscm	7%O2	2.15e-4	lbs/hr	CC7%O2	
Ethylbenzene	327C2R3	9.90e+2	ng/dscm	7%O2	1.00e-4	lbs/hr	CC7%O2	
Ethylbenzene	327C3R3	1.17e+3	ng/dscm	7%O2	1.00e-4	lbs/hr	CC7%O2	
Hexachlorobenzene	327C1R1	4.71e+3	ng/dscm	7%O2	4.59e-4	lbs/hr	CC7%O2	
Hexachlorobenzene	327C2R1	7.02e+3	ng/dscm	7%O2	6.98e-4	lbs/hr	CC7%O2	
Hexachlorobenzene	327C2R2	1.33e+4	ng/dscm	7%O2	1.33e-3	lbs/hr	CC7%O2	
Hexachlorocyclopentadiene	327C1R1	9.96e+3	ng/dscm	7%O2	9.71e-4	lbs/hr	CC7%O2	
Hexachlorocyclopentadiene	327C2R1	1.03e+4	ng/dscm	7%O2	1.02e-3	lbs/hr	CC7%O2	
Hexachlorocyclopentadiene	327C2R2	2.91e+4	ng/dscm	7%O2	2.91e-3	lbs/hr	CC7%O2	
Hexachloroethane	327C1R1	ND	1.10e+3	ng/dscm	7%O2	1.07e-4	lbs/hr	CC7%O2
Hexachloroethane	327C1R2	ND	1.17e+3	ng/dscm	7%O2	1.14e-4	lbs/hr	CC7%O2
Hexachloroethane	327C1R3	ND	1.27e+3	ng/dscm	7%O2	1.20e-4	lbs/hr	CC7%O2
Hexachloroethane	327C2R1	ND	3.20e+3	ng/dscm	7%O2	3.18e-4	lbs/hr	CC7%O2
Hexachloroethane	327C2R2	ND	4.89e+2	ng/dscm	7%O2	4.90e-5	lbs/hr	CC7%O2
Hexachloroethane	327C2R3	ND	5.45e+2	ng/dscm	7%O2	5.50e-5	lbs/hr	CC7%O2
Hexachloroethane	327C3R1	ND	1.54e+3	ng/dscm	7%O2	1.61e-4	lbs/hr	CC7%O2
Hexachloroethane	327C3R2	ND	1.51e+3	ng/dscm	7%O2	1.53e-4	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

Hexachloroethane	327C3R3	ND	2.77e+3	ng/dscm	7%O2	2.38e-4	lbs/hr	CC7%O2
Phenol	327C2R1		1.34e+3	ng/dscm	7%O2	1.33e-4	lbs/hr	CC7%O2
Phenol	327C2R2		2.53e+3	ng/dscm	7%O2	2.53e-4	lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
CO	327C1R1	6.63e+0	ppmv	7.51e-1	lbs/hr	CE7%O2
CO	327C1R2	7.03e+0	ppmv	7.99e-1	lbs/hr	CE7%O2
CO	327C1R3	1.17e+1	ppmv	1.29e+0	lbs/hr	CE7%O2
CO	327C2R1	1.97e+0	ppmv	2.27e-1	lbs/hr	CE7%O2
CO	327C2R2	5.51e+0	ppmv	6.41e-1	lbs/hr	CE7%O2
CO	327C2R3	5.74e+0	ppmv	6.74e-1	lbs/hr	CE7%O2
CO	327C3R1	1.25e+1	ppmv	1.52e+0	lbs/hr	CE7%O2
CO	327C3R2	4.09e+0	ppmv	4.82e-1	lbs/hr	CE7%O2
CO	327C3R3	1.27e+1	ppmv	1.27e+0	lbs/hr	CE7%O2
THC	327C1R1	5.20e+0	ppmv	9.26e-1	lbs/hr	CE7%O2
THC	327C1R2	2.96e+0	ppmv	5.29e-1	lbs/hr	CE7%O2
THC	327C2R1	5.01e+0	ppmv	9.10e-1	lbs/hr	CE7%O2
THC	327C2R2	4.47e+0	ppmv	8.18e-1	lbs/hr	CE7%O2
THC	327C2R3	4.25e+0	ppmv	7.84e-1	lbs/hr	CE7%O2
THC	327C3R1	8.58e+0	ppmv	1.64e+0	lbs/hr	CE7%O2
THC	327C3R2	5.20e+0	ppmv	9.65e-1	lbs/hr	CE7%O2
THC	327C3R3	7.06e+0	ppmv	1.11e+0	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate		Calc
1,1,1-Trichloroethane	327C2R3	2.97e+3	ng/dscm	3.00e-4	lbs/hr	CC7%O2
1,1-Dichloroethane	327C1R1	2.05e+3	ng/dscm	2.00e-4	lbs/hr	CC7%O2
1,1-Dichloroethane	327C1R1	1.23e+4	ng/dscm	1.20e-3	lbs/hr	CC7%O2
1,1-Dichloroethane	327C1R2	2.05e+3	ng/dscm	2.00e-4	lbs/hr	CC7%O2
1,1-Dichloroethane	327C2R1	3.02e+3	ng/dscm	3.00e-4	lbs/hr	CC7%O2
1,1-Dichloroethane	327C2R2	1.10e+4	ng/dscm	1.10e-3	lbs/hr	CC7%O2
1,1-Dichloroethane	327C3R1	2.87e+3	ng/dscm	3.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C1R1	7.18e+3	ng/dscm	7.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C1R2	3.07e+3	ng/dscm	3.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C1R3	9.53e+3	ng/dscm	9.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C2R2	2.00e+3	ng/dscm	2.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C2R3	1.39e+4	ng/dscm	1.40e-3	lbs/hr	CC7%O2
1,2-Dichloroethane	327C3R1	3.64e+4	ng/dscm	3.80e-3	lbs/hr	CC7%O2
1,2-Dichloroethane	327C3R2	3.94e+3	ng/dscm	4.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C3R3	1.17e+3	ng/dscm	1.00e-4	lbs/hr	CC7%O2
1,2-Dichloroethane	327C1R3	4.55e+4	ng/dscm	4.30e-3	lbs/hr	CC7%O2
Benzene	327C1R1	1.44e+4	ng/dscm	1.40e-3	lbs/hr	CC7%O2
Benzene	327C1R2	1.64e+4	ng/dscm	1.60e-3	lbs/hr	CC7%O2
Benzene	327C1R3	9.53e+3	ng/dscm	9.00e-4	lbs/hr	CC7%O2
Benzene	327C2R1	7.04e+3	ng/dscm	7.00e-4	lbs/hr	CC7%O2
Benzene	327C2R2	5.99e+3	ng/dscm	6.00e-4	lbs/hr	CC7%O2
Benzene	327C2R3	1.09e+4	ng/dscm	1.10e-3	lbs/hr	CC7%O2
Benzene	327C3R1	6.70e+3	ng/dscm	7.00e-4	lbs/hr	CC7%O2
Benzene	327C3R2	3.94e+3	ng/dscm	4.00e-4	lbs/hr	CC7%O2
Benzene	327C3R3	8.16e+3	ng/dscm	7.00e-4	lbs/hr	CC7%O2
Bromodichloromethane	327C1R1	3.39e+4	ng/dscm	3.30e-3	lbs/hr	CC7%O2
Bromodichloromethane	327C1R2	7.16e+3	ng/dscm	7.00e-4	lbs/hr	CC7%O2
Bromodichloromethane	327C1R3	5.29e+3	ng/dscm	5.00e-4	lbs/hr	CC7%O2
Bromodichloromethane	327C2R1	4.02e+3	ng/dscm	4.00e-4	lbs/hr	CC7%O2
Bromodichloromethane	327C2R2	6.99e+3	ng/dscm	7.00e-4	lbs/hr	CC7%O2
Bromodichloromethane	327C3R1	1.63e+4	ng/dscm	1.70e-3	lbs/hr	CC7%O2
Bromodichloromethane	327C3R2	2.96e+3	ng/dscm	3.00e-4	lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

Bromodichloromethane	327C3R3	6.99e+3	ng/dscm	7%O2	6.00e-4	lbs/hr	CC7%O2	
Bromoethane	327C1R1	9.24e+3	ng/dscm	7%O2	9.00e-4	lbs/hr	CC7%O2	
Bromoethane	327C2R2	2.00e+3	ng/dscm	7%O2	2.00e-4	lbs/hr	CC7%O2	
Bromoform	327C1R1	2.49e+5	ng/dscm	7%O2	2.43e-2	lbs/hr	CC7%O2	
Bromoform	327C3R1	9.58e+2	ng/dscm	7%O2	1.00e-4	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C1R1	3.59e+5	ng/dscm	7%O2	3.50e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C1R2	2.26e+5	ng/dscm	7%O2	2.21e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C1R3	1.36e+5	ng/dscm	7%O2	1.28e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C2R1	1.06e+5	ng/dscm	7%O2	1.05e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C2R2	2.41e+5	ng/dscm	7%O2	2.41e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C2R3	5.54e+4	ng/dscm	7%O2	5.60e-3	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C3R1	3.61e+5	ng/dscm	7%O2	3.77e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C3R2	1.25e+5	ng/dscm	7%O2	1.27e-2	lbs/hr	CC7%O2	
Carbon Tetrachloride	327C3R3	1.38e+5	ng/dscm	7%O2	1.18e-2	lbs/hr	CC7%O2	
Chlorobenzene	327C1R1	ND	2.00e+4	ng/dscm	7%O2	1.95e-3	lbs/hr	CC7%O2
Chlorobenzene	327C1R2	ND	7.27e+3	ng/dscm	7%O2	7.10e-4	lbs/hr	CC7%O2
Chlorobenzene	327C1R3	ND	6.46e+3	ng/dscm	7%O2	6.10e-4	lbs/hr	CC7%O2
Chlorobenzene	327C2R1	ND	8.45e+3	ng/dscm	7%O2	8.40e-4	lbs/hr	CC7%O2
Chlorobenzene	327C2R2	ND	7.39e+3	ng/dscm	7%O2	7.40e-4	lbs/hr	CC7%O2
Chlorobenzene	327C2R3	ND	3.44e+4	ng/dscm	7%O2	3.47e-3	lbs/hr	CC7%O2
Chlorobenzene	327C3R1	ND	9.00e+3	ng/dscm	7%O2	9.40e-4	lbs/hr	CC7%O2
Chlorobenzene	327C3R2	ND	5.72e+3	ng/dscm	7%O2	5.80e-4	lbs/hr	CC7%O2
Chlorobenzene	327C3R3	ND	7.81e+3	ng/dscm	7%O2	6.70e-4	lbs/hr	CC7%O2
Chloroform	327C1R1	1.93e+5	ng/dscm	7%O2	1.88e-2	lbs/hr	CC7%O2	
Chloroform	327C1R2	1.90e+5	ng/dscm	7%O2	1.86e-2	lbs/hr	CC7%O2	
Chloroform	327C1R3	1.30e+5	ng/dscm	7%O2	1.23e-2	lbs/hr	CC7%O2	
Chloroform	327C2R1	8.45e+4	ng/dscm	7%O2	8.40e-3	lbs/hr	CC7%O2	
Chloroform	327C2R2	1.10e+5	ng/dscm	7%O2	1.10e-2	lbs/hr	CC7%O2	
Chloroform	327C2R3	7.43e+4	ng/dscm	7%O2	7.50e-3	lbs/hr	CC7%O2	
Chloroform	327C3R1	1.46e+5	ng/dscm	7%O2	1.52e-2	lbs/hr	CC7%O2	
Chloroform	327C3R2	9.36e+4	ng/dscm	7%O2	9.50e-3	lbs/hr	CC7%O2	
Chloroform	327C3R3	1.05e+5	ng/dscm	7%O2	9.00e-3	lbs/hr	CC7%O2	
Chloromethane	327C1R1	3.80e+4	ng/dscm	7%O2	3.70e-3	lbs/hr	CC7%O2	
Chloromethane	327C1R2	4.71e+4	ng/dscm	7%O2	4.60e-3	lbs/hr	CC7%O2	
Chloromethane	327C1R3	2.43e+4	ng/dscm	7%O2	2.30e-3	lbs/hr	CC7%O2	
Chloromethane	327C2R1	3.32e+4	ng/dscm	7%O2	3.30e-3	lbs/hr	CC7%O2	
Chloromethane	327C2R2	9.18e+4	ng/dscm	7%O2	9.20e-3	lbs/hr	CC7%O2	
Chloromethane	327C2R3	8.71e+4	ng/dscm	7%O2	8.80e-3	lbs/hr	CC7%O2	
Chloromethane	327C3R1	1.22e+5	ng/dscm	7%O2	1.27e-2	lbs/hr	CC7%O2	
Chloromethane	327C3R2	3.25e+4	ng/dscm	7%O2	3.30e-3	lbs/hr	CC7%O2	
Chloromethane	327C3R3	3.50e+4	ng/dscm	7%O2	3.00e-3	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C1R1	5.13e+3	ng/dscm	7%O2	5.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C1R2	4.09e+3	ng/dscm	7%O2	4.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C1R3	2.12e+3	ng/dscm	7%O2	2.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C2R1	5.03e+3	ng/dscm	7%O2	5.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C2R2	3.99e+3	ng/dscm	7%O2	4.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C2R3	3.96e+3	ng/dscm	7%O2	4.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C3R1	4.79e+3	ng/dscm	7%O2	5.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C3R2	1.97e+3	ng/dscm	7%O2	2.00e-4	lbs/hr	CC7%O2	
cis-1,3-Dichloropropene	327C3R3	3.50e+3	ng/dscm	7%O2	3.00e-4	lbs/hr	CC7%O2	
Dibromochloromethane	327C1R1	8.41e+4	ng/dscm	7%O2	8.20e-3	lbs/hr	CC7%O2	
Methylene Chloride	327C1R1	6.36e+4	ng/dscm	7%O2	6.20e-3	lbs/hr	CC7%O2	
Methylene Chloride	327C1R2	5.63e+4	ng/dscm	7%O2	5.50e-3	lbs/hr	CC7%O2	
Methylene Chloride	327C1R3	5.51e+4	ng/dscm	7%O2	5.20e-3	lbs/hr	CC7%O2	
Methylene Chloride	327C2R1	6.23e+4	ng/dscm	7%O2	6.20e-3	lbs/hr	CC7%O2	
Methylene Chloride	327C2R2	1.76e+5	ng/dscm	7%O2	1.76e-2	lbs/hr	CC7%O2	
Methylene Chloride	327C2R3	2.05e+5	ng/dscm	7%O2	2.07e-2	lbs/hr	CC7%O2	
Methylene Chloride	327C3R1	1.24e+5	ng/dscm	7%O2	1.29e-2	lbs/hr	CC7%O2	
Methylene Chloride	327C3R2	3.65e+4	ng/dscm	7%O2	3.70e-3	lbs/hr	CC7%O2	
Methylene Chloride	327C3R3	4.55e+4	ng/dscm	7%O2	3.90e-3	lbs/hr	CC7%O2	
Tetrachloroethene	327C1R1	2.15e+4	ng/dscm	7%O2	2.10e-3	lbs/hr	CC7%O2	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

Tetrachloroethene	327C1R2	2.15e+4	ng/dscm 7%O2	2.10e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C1R3	1.06e+4	ng/dscm 7%O2	1.00e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C2R1	2.31e+4	ng/dscm 7%O2	2.30e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C2R2	3.09e+4	ng/dscm 7%O2	3.10e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C2R3	2.97e+4	ng/dscm 7%O2	3.00e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C3R1	2.49e+4	ng/dscm 7%O2	2.60e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C3R2	2.86e+4	ng/dscm 7%O2	2.90e-3	lbs/hr	CC7%O2
Tetrachloroethene	327C3R3	2.10e+4	ng/dscm 7%O2	1.80e-3	lbs/hr	CC7%O2
Toluene	327C1R1	2.05e+3	ng/dscm 7%O2	2.00e-4	lbs/hr	CC7%O2
Toluene	327C1R2	2.05e+3	ng/dscm 7%O2	2.00e-4	lbs/hr	CC7%O2
Toluene	327C1R3	2.12e+3	ng/dscm 7%O2	2.00e-4	lbs/hr	CC7%O2
Toluene	327C2R1	5.03e+3	ng/dscm 7%O2	5.00e-4	lbs/hr	CC7%O2
Toluene	327C2R2	2.99e+3	ng/dscm 7%O2	3.00e-4	lbs/hr	CC7%O2
Toluene	327C2R3	6.93e+3	ng/dscm 7%O2	7.00e-4	lbs/hr	CC7%O2
Toluene	327C3R1	2.87e+3	ng/dscm 7%O2	3.00e-4	lbs/hr	CC7%O2
Toluene	327C3R2	1.97e+3	ng/dscm 7%O2	2.00e-4	lbs/hr	CC7%O2
Toluene	327C3R3	4.66e+3	ng/dscm 7%O2	4.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C1R1	4.10e+3	ng/dscm 7%O2	4.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C1R2	3.07e+3	ng/dscm 7%O2	3.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C1R3	1.06e+3	ng/dscm 7%O2	1.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C2R1	5.03e+3	ng/dscm 7%O2	5.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C2R2	2.99e+3	ng/dscm 7%O2	3.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C2R3	2.97e+3	ng/dscm 7%O2	3.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C3R1	3.83e+3	ng/dscm 7%O2	4.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C3R2	1.97e+3	ng/dscm 7%O2	2.00e-4	lbs/hr	CC7%O2
trans-1,3-Dichloropropene	327C3R3	2.33e+3	ng/dscm 7%O2	2.00e-4	lbs/hr	CC7%O2
Trichloroethene	327C1R1	1.23e+4	ng/dscm 7%O2	1.20e-3	lbs/hr	CC7%O2
Trichloroethene	327C1R2	1.33e+4	ng/dscm 7%O2	1.30e-3	lbs/hr	CC7%O2
Trichloroethene	327C1R3	7.41e+3	ng/dscm 7%O2	7.00e-4	lbs/hr	CC7%O2
Trichloroethene	327C2R1	8.04e+3	ng/dscm 7%O2	8.00e-4	lbs/hr	CC7%O2
Trichloroethene	327C2R2	1.30e+4	ng/dscm 7%O2	1.30e-3	lbs/hr	CC7%O2
Trichloroethene	327C2R3	1.09e+4	ng/dscm 7%O2	1.10e-3	lbs/hr	CC7%O2
Trichloroethene	327C3R1	9.58e+3	ng/dscm 7%O2	1.00e-3	lbs/hr	CC7%O2
Trichloroethene	327C3R2	8.87e+3	ng/dscm 7%O2	9.00e-4	lbs/hr	CC7%O2
Trichloroethene	327C3R3	8.16e+3	ng/dscm 7%O2	7.00e-4	lbs/hr	CC7%O2
Trichlorofluoromethane	327C2R2	3.99e+3	ng/dscm 7%O2	4.00e-4	lbs/hr	CC7%O2
Vinyl Chloride	327C1R1	2.87e+4	ng/dscm 7%O2	2.80e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C1R2	2.05e+4	ng/dscm 7%O2	2.00e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C1R3	1.27e+4	ng/dscm 7%O2	1.20e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C2R1	1.51e+4	ng/dscm 7%O2	1.50e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C2R2	2.50e+4	ng/dscm 7%O2	2.50e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C2R3	1.98e+4	ng/dscm 7%O2	2.00e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C3R1	5.75e+4	ng/dscm 7%O2	6.00e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C3R2	1.28e+4	ng/dscm 7%O2	1.30e-3	lbs/hr	CC7%O2
Vinyl Chloride	327C3R3	1.40e+4	ng/dscm 7%O2	1.20e-3	lbs/hr	CC7%O2

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

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
4D 2378	327C4R1	2	8.00e-2 ng/dscm 7%O2	5.72e-9 lbs/hr	CE7%O2
4D 2378	327C4R2	2	7.58e-3 ng/dscm 7%O2	5.75e-10 lbs/hr	CE7%O2
4D 2378	327C4R3		1.20e-3 ng/dscm 7%O2	9.17e-11 lbs/hr	CE7%O2
4D 2378	327C5R1		2.73e-2 ng/dscm 7%O2	2.11e-9 lbs/hr	CE7%O2
4D 2378	327C5R2	2	8.77e-3 ng/dscm 7%O2	6.68e-10 lbs/hr	CE7%O2
4D 2378	327C5R3		1.37e-2 ng/dscm 7%O2	1.09e-9 lbs/hr	CE7%O2
4D Other	327C4R1		1.46e+1 ng/dscm 7%O2	1.04e-6 lbs/hr	OCE
4D Other	327C4R2		1.51e+0 ng/dscm 7%O2	1.15e-7 lbs/hr	OCE
4D Other	327C4R3		1.44e+0 ng/dscm 7%O2	1.10e-7 lbs/hr	OCE
4D Other	327C5R1		1.01e+0 ng/dscm 7%O2	7.80e-8 lbs/hr	OCE

US EPA ARCHIVE DOCUMENT



SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS

2. STATE: UT

3. CITY: ARAGONITE

EPA ID: UTD981552177

REGION: 8

4. EP ID: 327 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP

4D Other	327C5R2		9.43e-1	ng/dscm 7%O2	7.18e-8	lbs/hr	OCE
4D Total	327C4R1		1.47e+1	ng/dscm 7%O2	1.05e-6	lbs/hr	CE7%O2
4D Total	327C4R2		1.52e+0	ng/dscm 7%O2	1.15e-7	lbs/hr	CE7%O2
4D Total	327C4R3		1.44e+0	ng/dscm 7%O2	1.10e-7	lbs/hr	CE7%O2
4D Total	327C5R1		1.04e+0	ng/dscm 7%O2	8.01e-8	lbs/hr	CE7%O2
4D Total	327C5R2		9.52e-1	ng/dscm 7%O2	7.25e-8	lbs/hr	CE7%O2
4D Total	327C5R3		9.62e-1	ng/dscm 7%O2	7.66e-8	lbs/hr	CE7%O2
4F 2378	327C4R1		1.79e+0	ng/dscm 7%O2	1.28e-7	lbs/hr	CE7%O2
4F 2378	327C4R2		6.07e-2	ng/dscm 7%O2	4.60e-9	lbs/hr	CE7%O2
4F 2378	327C4R3		6.02e-2	ng/dscm 7%O2	4.59e-9	lbs/hr	CE7%O2
4F 2378	327C5R1		6.83e-2	ng/dscm 7%O2	5.27e-9	lbs/hr	CE7%O2
4F 2378	327C5R2		1.00e-1	ng/dscm 7%O2	7.63e-9	lbs/hr	CE7%O2
4F 2378	327C5R3		5.50e-2	ng/dscm 7%O2	4.37e-9	lbs/hr	CE7%O2
4F Other	327C4R1		7.85e+1	ng/dscm 7%O2	5.61e-6	lbs/hr	OCE
4F Other	327C4R2		3.73e+0	ng/dscm 7%O2	2.83e-7	lbs/hr	OCE
4F Other	327C4R3		4.03e+0	ng/dscm 7%O2	3.07e-7	lbs/hr	OCE
4F Other	327C5R1		3.49e+0	ng/dscm 7%O2	2.69e-7	lbs/hr	OCE
4F Other	327C5R2		5.54e+0	ng/dscm 7%O2	4.21e-7	lbs/hr	OCE
4F Other	327C5R3		2.01e+0	ng/dscm 7%O2	1.60e-7	lbs/hr	OCE
4F Total	327C4R1		8.03e+1	ng/dscm 7%O2	5.74e-6	lbs/hr	CE7%O2
4F Total	327C4R2		3.79e+0	ng/dscm 7%O2	2.88e-7	lbs/hr	CE7%O2
4F Total	327C4R3		4.09e+0	ng/dscm 7%O2	3.12e-7	lbs/hr	CE7%O2
4F Total	327C5R1		3.55e+0	ng/dscm 7%O2	2.74e-7	lbs/hr	CE7%O2
4F Total	327C5R2		5.64e+0	ng/dscm 7%O2	4.29e-7	lbs/hr	CE7%O2
4F Total	327C5R3		2.06e+0	ng/dscm 7%O2	1.64e-7	lbs/hr	CE7%O2
5D 12378	327C4R1		5.34e-1	ng/dscm 7%O2	3.81e-8	lbs/hr	CE7%O2
5D 12378	327C4R2		6.07e-2	ng/dscm 7%O2	4.60e-9	lbs/hr	CE7%O2
5D 12378	327C4R3	2	6.02e-2	ng/dscm 7%O2	4.59e-9	lbs/hr	CE7%O2
5D 12378	327C5R1	2	5.47e-2	ng/dscm 7%O2	4.22e-9	lbs/hr	CE7%O2
5D 12378	327C5R2		8.77e-2	ng/dscm 7%O2	6.68e-9	lbs/hr	CE7%O2
5D 12378	327C5R3		4.12e-2	ng/dscm 7%O2	3.28e-9	lbs/hr	CE7%O2
5D Other	327C4R1		1.39e+1	ng/dscm 7%O2	9.91e-7	lbs/hr	OCE
5D Other	327C4R2		1.03e+0	ng/dscm 7%O2	7.83e-8	lbs/hr	OCE
5D Other	327C4R3		9.63e-1	ng/dscm 7%O2	7.34e-8	lbs/hr	OCE
5D Other	327C5R1		5.33e-1	ng/dscm 7%O2	4.11e-8	lbs/hr	OCE
5D Other	327C5R2		1.13e+0	ng/dscm 7%O2	8.58e-8	lbs/hr	OCE
5D Other	327C5R3		5.91e-1	ng/dscm 7%O2	4.70e-8	lbs/hr	OCE
5D Total	327C4R1		1.44e+1	ng/dscm 7%O2	1.03e-6	lbs/hr	CE7%O2
5D Total	327C4R2		1.09e+0	ng/dscm 7%O2	8.29e-8	lbs/hr	CE7%O2
5D Total	327C4R3		1.02e+0	ng/dscm 7%O2	7.80e-8	lbs/hr	CE7%O2
5D Total	327C5R1		5.88e-1	ng/dscm 7%O2	4.53e-8	lbs/hr	CE7%O2
5D Total	327C5R2		1.21e+0	ng/dscm 7%O2	9.25e-8	lbs/hr	CE7%O2
5D Total	327C5R3		6.32e-1	ng/dscm 7%O2	5.03e-8	lbs/hr	CE7%O2
5F 12378	327C4R1		1.71e+0	ng/dscm 7%O2	1.22e-7	lbs/hr	CE7%O2
5F 12378	327C4R2		9.10e-2	ng/dscm 7%O2	6.91e-9	lbs/hr	CE7%O2
5F 12378	327C4R3		8.43e-2	ng/dscm 7%O2	6.42e-9	lbs/hr	CE7%O2
5F 12378	327C5R1	2	6.83e-2	ng/dscm 7%O2	5.27e-9	lbs/hr	CE7%O2
5F 12378	327C5R2		1.13e-1	ng/dscm 7%O2	8.58e-9	lbs/hr	CE7%O2
5F 12378	327C5R3		8.24e-2	ng/dscm 7%O2	6.56e-9	lbs/hr	CE7%O2
5F 23478	327C4R1		5.07e+0	ng/dscm 7%O2	3.62e-7	lbs/hr	CE7%O2
5F 23478	327C4R2		2.58e-1	ng/dscm 7%O2	1.96e-8	lbs/hr	CE7%O2
5F 23478	327C4R3		2.89e-1	ng/dscm 7%O2	2.20e-8	lbs/hr	CE7%O2
5F 23478	327C5R1	2	2.32e-1	ng/dscm 7%O2	1.79e-8	lbs/hr	CE7%O2
5F 23478	327C5R2	2	3.51e-1	ng/dscm 7%O2	2.67e-8	lbs/hr	CE7%O2
5F 23478	327C5R3	2	2.47e-1	ng/dscm 7%O2	1.97e-8	lbs/hr	CE7%O2
5F Other	327C4R1		4.63e+1	ng/dscm 7%O2	3.31e-6	lbs/hr	OCE
5F Other	327C4R2		2.53e+0	ng/dscm 7%O2	1.92e-7	lbs/hr	OCE
5F Other	327C4R3		2.64e+0	ng/dscm 7%O2	2.01e-7	lbs/hr	OCE
5F Other	327C5R1		1.89e+0	ng/dscm 7%O2	1.45e-7	lbs/hr	OCE
5F Other	327C5R2		1.79e+0	ng/dscm 7%O2	1.36e-7	lbs/hr	OCE
5F Other	327C5R3		1.73e+0	ng/dscm 7%O2	1.38e-7	lbs/hr	OCE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME:

EPA ID: UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

5F Total	327C4R1	5.31e+1	ng/dscm 7%O2	3.79e-6	lbs/hr	CE7%O2
5F Total	327C4R2	2.88e+0	ng/dscm 7%O2	2.19e-7	lbs/hr	CE7%O2
5F Total	327C4R3	3.01e+0	ng/dscm 7%O2	2.29e-7	lbs/hr	CE7%O2
5F Total	327C5R1	2.19e+0	ng/dscm 7%O2	1.69e-7	lbs/hr	CE7%O2
5F Total	327C5R2	2.25e+0	ng/dscm 7%O2	1.72e-7	lbs/hr	CE7%O2
5F Total	327C5R3	2.06e+0	ng/dscm 7%O2	1.64e-7	lbs/hr	CE7%O2
6D 123478	327C4R1	6.40e-1	ng/dscm 7%O2	4.57e-8	lbs/hr	CE7%O2
6D 123478	327C4R2	6.07e-2	ng/dscm 7%O2	4.60e-9	lbs/hr	CE7%O2
6D 123478	327C4R3	6.02e-2	ng/dscm 7%O2	4.59e-9	lbs/hr	CE7%O2
6D 123478	327C5R1	5.47e-2	ng/dscm 7%O2	4.22e-9	lbs/hr	CE7%O2
6D 123478	327C5R2	8.77e-2	ng/dscm 7%O2	6.68e-9	lbs/hr	CE7%O2
6D 123478	327C5R3	5.50e-2	ng/dscm 7%O2	4.37e-9	lbs/hr	CE7%O2
6D 123678	327C4R1	2.21e+0	ng/dscm 7%O2	1.58e-7	lbs/hr	CE7%O2
6D 123678	327C4R2	1.52e-1	ng/dscm 7%O2	1.15e-8	lbs/hr	CE7%O2
6D 123678	327C4R3	1.44e-1	ng/dscm 7%O2	1.10e-8	lbs/hr	CE7%O2
6D 123678	327C5R1	1.37e-1	ng/dscm 7%O2	1.05e-8	lbs/hr	CE7%O2
6D 123678	327C5R2	1.75e-1	ng/dscm 7%O2	1.34e-8	lbs/hr	CE7%O2
6D 123678	327C5R3	1.10e-1	ng/dscm 7%O2	8.75e-9	lbs/hr	CE7%O2
6D 123789	327C4R1	2.08e+0	ng/dscm 7%O2	1.49e-7	lbs/hr	CE7%O2
6D 123789	327C4R2	1.67e-1	ng/dscm 7%O2	1.27e-8	lbs/hr	CE7%O2
6D 123789	327C4R3	1.44e-1	ng/dscm 7%O2	1.10e-8	lbs/hr	CE7%O2
6D 123789	327C5R1	1.78e-1	ng/dscm 7%O2	1.37e-8	lbs/hr	CE7%O2
6D 123789	327C5R2	2.50e-1	ng/dscm 7%O2	1.91e-8	lbs/hr	CE7%O2
6D 123789	327C5R3	1.51e-1	ng/dscm 7%O2	1.20e-8	lbs/hr	CE7%O2
6D Other	327C4R1	2.63e+1	ng/dscm 7%O2	1.88e-6	lbs/hr	OCE
6D Other	327C4R2	1.59e+0	ng/dscm 7%O2	1.21e-7	lbs/hr	OCE
6D Other	327C4R3	1.58e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	OCE
6D Other	327C5R1	1.41e+0	ng/dscm 7%O2	1.09e-7	lbs/hr	OCE
6D Other	327C5R2	1.74e+0	ng/dscm 7%O2	1.33e-7	lbs/hr	OCE
6D Other	327C5R3	1.20e+0	ng/dscm 7%O2	9.52e-8	lbs/hr	OCE
6D Total	327C4R1	3.12e+1	ng/dscm 7%O2	2.23e-6	lbs/hr	CE7%O2
6D Total	327C4R2	1.97e+0	ng/dscm 7%O2	1.50e-7	lbs/hr	CE7%O2
6D Total	327C4R3	1.93e+0	ng/dscm 7%O2	1.47e-7	lbs/hr	CE7%O2
6D Total	327C5R1	1.78e+0	ng/dscm 7%O2	1.37e-7	lbs/hr	CE7%O2
6D Total	327C5R2	2.25e+0	ng/dscm 7%O2	1.72e-7	lbs/hr	CE7%O2
6D Total	327C5R3	1.51e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	CE7%O2
6F 123478	327C4R1	8.27e+0	ng/dscm 7%O2	5.91e-7	lbs/hr	CE7%O2
6F 123478	327C4R2	4.25e-1	ng/dscm 7%O2	3.22e-8	lbs/hr	CE7%O2
6F 123478	327C4R3	4.45e-1	ng/dscm 7%O2	3.39e-8	lbs/hr	CE7%O2
6F 123478	327C5R1	3.42e-1	ng/dscm 7%O2	2.64e-8	lbs/hr	CE7%O2
6F 123478	327C5R2	4.63e-1	ng/dscm 7%O2	3.53e-8	lbs/hr	CE7%O2
6F 123478	327C5R3	3.16e-1	ng/dscm 7%O2	2.52e-8	lbs/hr	CE7%O2
6F 123678	327C4R1	2.19e+0	ng/dscm 7%O2	1.56e-7	lbs/hr	CE7%O2
6F 123678	327C4R2	1.52e-1	ng/dscm 7%O2	1.15e-8	lbs/hr	CE7%O2
6F 123678	327C4R3	1.44e-1	ng/dscm 7%O2	1.10e-8	lbs/hr	CE7%O2
6F 123678	327C5R1	1.37e-1	ng/dscm 7%O2	1.05e-8	lbs/hr	CE7%O2
6F 123678	327C5R2	1.75e-1	ng/dscm 7%O2	1.34e-8	lbs/hr	CE7%O2
6F 123678	327C5R3	1.24e-1	ng/dscm 7%O2	9.84e-9	lbs/hr	CE7%O2
6F 123789	327C4R1	2.93e-1	ng/dscm 7%O2	2.10e-8	lbs/hr	CE7%O2
6F 123789	327C4R2	9.10e-3	ng/dscm 7%O2	6.91e-10	lbs/hr	CE7%O2
6F 123789	327C4R3	1.20e-2	ng/dscm 7%O2	9.17e-10	lbs/hr	CE7%O2
6F 123789	327C5R1	4.10e-2	ng/dscm 7%O2	3.16e-9	lbs/hr	CE7%O2
6F 123789	327C5R2	2.50e-2	ng/dscm 7%O2	1.91e-9	lbs/hr	CE7%O2
6F 123789	327C5R3	2.75e-2	ng/dscm 7%O2	2.19e-9	lbs/hr	CE7%O2
6F 234678	327C4R1	5.07e+0	ng/dscm 7%O2	3.62e-7	lbs/hr	CE7%O2
6F 234678	327C4R2	2.88e-1	ng/dscm 7%O2	2.19e-8	lbs/hr	CE7%O2
6F 234678	327C4R3	3.25e-1	ng/dscm 7%O2	2.48e-8	lbs/hr	CE7%O2
6F 234678	327C5R1	3.01e-1	ng/dscm 7%O2	2.32e-8	lbs/hr	CE7%O2
6F 234678	327C5R2	4.63e-1	ng/dscm 7%O2	3.53e-8	lbs/hr	CE7%O2
6F 234678	327C5R3	2.89e-1	ng/dscm 7%O2	2.30e-8	lbs/hr	CE7%O2
6F Other	327C4R1	1.57e+1	ng/dscm 7%O2	1.12e-6	lbs/hr	OCE

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS

2. STATE: UT

3. CITY: ARAGONITE

EPA ID: UTD981552177

REGION: 8

4. EP ID: 327 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP

6F Other	327C4R2	1.10e+0	ng/dscm 7%O2	8.33e-8	lbs/hr	OCE
6F Other	327C4R3	9.99e-1	ng/dscm 7%O2	7.61e-8	lbs/hr	OCE
6F Other	327C5R1	3.96e-1	ng/dscm 7%O2	3.06e-8	lbs/hr	OCE
6F Other	327C5R2	1.13e+0	ng/dscm 7%O2	8.58e-8	lbs/hr	OCE
6F Other	327C5R3	7.56e-1	ng/dscm 7%O2	6.02e-8	lbs/hr	OCE
6F Total	327C4R1	3.15e+1	ng/dscm 7%O2	2.25e-6	lbs/hr	CE7%O2
6F Total	327C4R2	1.97e+0	ng/dscm 7%O2	1.50e-7	lbs/hr	CE7%O2
6F Total	327C4R3	1.93e+0	ng/dscm 7%O2	1.47e-7	lbs/hr	CE7%O2
6F Total	327C5R1	1.22e+0	ng/dscm 7%O2	9.38e-8	lbs/hr	CE7%O2
6F Total	327C5R2	2.25e+0	ng/dscm 7%O2	1.72e-7	lbs/hr	CE7%O2
6F Total	327C5R3	1.51e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	CE7%O2
7D 1234678	327C4R1	1.28e+1	ng/dscm 7%O2	9.15e-7	lbs/hr	CE7%O2
7D 1234678	327C4R2	1.11e+0	ng/dscm 7%O2	8.40e-8	lbs/hr	CE7%O2
7D 1234678	327C4R3	1.20e+0	ng/dscm 7%O2	9.17e-8	lbs/hr	CE7%O2
7D 1234678	327C5R1	1.07e+0	ng/dscm 7%O2	8.22e-8	lbs/hr	CE7%O2
7D 1234678	327C5R2	1.50e+0	ng/dscm 7%O2	1.14e-7	lbs/hr	CE7%O2
7D 1234678	327C5R3	1.07e+0	ng/dscm 7%O2	8.53e-8	lbs/hr	CE7%O2
7D Other	327C4R1	1.36e+1	ng/dscm 7%O2	9.72e-7	lbs/hr	OCE
7D Other	327C4R2	1.17e+0	ng/dscm 7%O2	8.86e-8	lbs/hr	OCE
7D Other	327C4R3	1.20e+0	ng/dscm 7%O2	9.17e-8	lbs/hr	OCE
7D Other	327C5R1	1.12e+0	ng/dscm 7%O2	8.64e-8	lbs/hr	OCE
7D Other	327C5R2	1.38e+0	ng/dscm 7%O2	1.05e-7	lbs/hr	OCE
7D Other	327C5R3	1.13e+0	ng/dscm 7%O2	8.97e-8	lbs/hr	OCE
7D Total	327C4R1	2.64e+1	ng/dscm 7%O2	1.89e-6	lbs/hr	CE7%O2
7D Total	327C4R2	2.27e+0	ng/dscm 7%O2	1.73e-7	lbs/hr	CE7%O2
7D Total	327C4R3	2.41e+0	ng/dscm 7%O2	1.83e-7	lbs/hr	CE7%O2
7D Total	327C5R1	2.19e+0	ng/dscm 7%O2	1.69e-7	lbs/hr	CE7%O2
7D Total	327C5R2	2.88e+0	ng/dscm 7%O2	2.19e-7	lbs/hr	CE7%O2
7D Total	327C5R3	2.20e+0	ng/dscm 7%O2	1.75e-7	lbs/hr	CE7%O2
7F 1234678	327C4R1	7.47e+0	ng/dscm 7%O2	5.34e-7	lbs/hr	CE7%O2
7F 1234678	327C4R2	6.82e-1	ng/dscm 7%O2	5.18e-8	lbs/hr	CE7%O2
7F 1234678	327C4R3	7.22e-1	ng/dscm 7%O2	5.50e-8	lbs/hr	CE7%O2
7F 1234678	327C5R1	6.70e-1	ng/dscm 7%O2	5.17e-8	lbs/hr	CE7%O2
7F 1234678	327C5R2	8.64e-1	ng/dscm 7%O2	6.58e-8	lbs/hr	CE7%O2
7F 1234678	327C5R3	6.73e-1	ng/dscm 7%O2	5.36e-8	lbs/hr	CE7%O2
7F 1234789	327C4R1	2.67e+0	ng/dscm 7%O2	1.91e-7	lbs/hr	CE7%O2
7F 1234789	327C4R2	1.21e-1	ng/dscm 7%O2	9.21e-9	lbs/hr	CE7%O2
7F 1234789	327C4R3	1.32e-1	ng/dscm 7%O2	1.01e-8	lbs/hr	CE7%O2
7F 1234789	327C5R1	1.37e-1	ng/dscm 7%O2	1.05e-8	lbs/hr	CE7%O2
7F 1234789	327C5R2	1.75e-1	ng/dscm 7%O2	1.34e-8	lbs/hr	CE7%O2
7F 1234789	327C5R3	1.79e-1	ng/dscm 7%O2	1.42e-8	lbs/hr	CE7%O2
7F Other	327C4R1	6.94e+0	ng/dscm 7%O2	4.95e-7	lbs/hr	OCE
7F Other	327C4R2	5.16e-1	ng/dscm 7%O2	3.91e-8	lbs/hr	OCE
7F Other	327C4R3	5.90e-1	ng/dscm 7%O2	4.49e-8	lbs/hr	OCE
7F Other	327C5R1	1.37e-1	ng/dscm 7%O2	1.05e-8	lbs/hr	OCE
7F Other	327C5R2	7.14e-1	ng/dscm 7%O2	5.44e-8	lbs/hr	OCE
7F Other	327C5R3	6.59e-1	ng/dscm 7%O2	5.25e-8	lbs/hr	OCE
7F Total	327C4R1	1.71e+1	ng/dscm 7%O2	1.22e-6	lbs/hr	CE7%O2
7F Total	327C4R2	1.32e+0	ng/dscm 7%O2	1.00e-7	lbs/hr	CE7%O2
7F Total	327C4R3	1.44e+0	ng/dscm 7%O2	1.10e-7	lbs/hr	CE7%O2
7F Total	327C5R1	9.43e-1	ng/dscm 7%O2	7.27e-8	lbs/hr	CE7%O2
7F Total	327C5R2	1.75e+0	ng/dscm 7%O2	1.34e-7	lbs/hr	CE7%O2
7F Total	327C5R3	1.51e+0	ng/dscm 7%O2	1.20e-7	lbs/hr	CE7%O2
8D	327C4R1	1.73e+1	ng/dscm 7%O2	1.24e-6	lbs/hr	CE7%O2
8D	327C4R2	1.97e+0	ng/dscm 7%O2	1.50e-7	lbs/hr	CE7%O2
8D	327C4R3	2.65e+0	ng/dscm 7%O2	2.02e-7	lbs/hr	CE7%O2
8D	327C5R1	2.46e+0	ng/dscm 7%O2	1.90e-7	lbs/hr	CE7%O2
8D	327C5R2	2.88e+0	ng/dscm 7%O2	2.19e-7	lbs/hr	CE7%O2
8D	327C5R3	2.34e+0	ng/dscm 7%O2	1.86e-7	lbs/hr	CE7%O2
8F	327C4R1	2	9.87e+0 ng/dscm 7%O2	7.05e-7	lbs/hr	CE7%O2
8F	327C4R2		7.58e-1 ng/dscm 7%O2	5.75e-8	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: APTUS

2. STATE: UT

3. CITY: ARAGONITE

EPA ID: UTD981552177

REGION: 8

4. EP ID: 327 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF/WS/ESP

8F	327C4R3	9.63e-1	ng/dscm	7%O2	7.34e-8	lbs/hr	CE7%O2
8F	327C5R1	1.23e+0	ng/dscm	7%O2	9.49e-8	lbs/hr	CE7%O2
8F	327C5R2	1.25e+0	ng/dscm	7%O2	9.54e-8	lbs/hr	CE7%O2
8F	327C5R3	1.37e+0	ng/dscm	7%O2	1.09e-7	lbs/hr	CE7%O2
TEQ	327C4R1	5.48e+0	ng/dscm	7%O2	3.91e-7	lbs/hr	CCET
TEQ	327C4R2	3.25e-1	ng/dscm	7%O2	2.46e-8	lbs/hr	CCET
TEQ	327C4R3	3.38e-1	ng/dscm	7%O2	2.57e-8	lbs/hr	CCET
TEQ	327C5R1	3.22e-1	ng/dscm	7%O2	2.49e-8	lbs/hr	CCET
TEQ	327C5R2	4.37e-1	ng/dscm	7%O2	3.33e-8	lbs/hr	CCET
TEQ	327C5R3	2.98e-1	ng/dscm	7%O2	2.37e-8	lbs/hr	CCET
Total PCDD/PCDF	327C4R1	2.96e+2	ng/dscm	7%O2	2.11e-5	lbs/hr	CCET
Total PCDD/PCDF	327C4R2	1.95e+1	ng/dscm	7%O2	1.48e-6	lbs/hr	CCET
Total PCDD/PCDF	327C4R3	2.09e+1	ng/dscm	7%O2	1.59e-6	lbs/hr	CCET
Total PCDD/PCDF	327C5R1	1.72e+1	ng/dscm	7%O2	1.33e-6	lbs/hr	CCET
Total PCDD/PCDF	327C5R2	2.33e+1	ng/dscm	7%O2	1.78e-6	lbs/hr	CCET
Total PCDD/PCDF	327C5R3	1.62e+1	ng/dscm	7%O2	1.29e-6	lbs/hr	CCET

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ARISTECH CHEMICAL

2. STATE: CA

3. CITY: COLTON

EPA ID: CAD091933895

REGION: 9

4. EP ID: 703 DEVICE NAME: INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB

5. Type: UNCONTROLLED

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	703C1R1	2.88e+2 ppmv 7%O2	1.18e+0 lbs/hr	CE7%O2
HCl	703C1R2	3.12e+2 ppmv 7%O2	1.36e+0 lbs/hr	CE7%O2
HCl	703C1R3	2.09e+2 ppmv 7%O2	8.38e-1 lbs/hr	CE7%O2
HCl	703C2R1	2.17e+2 ppmv 7%O2	9.36e-1 lbs/hr	CE7%O2
HCl	703C2R2	3.59e+2 ppmv 7%O2	1.61e+0 lbs/hr	CE7%O2
HCl	703C2R3	3.72e+2 ppmv 7%O2	1.80e+0 lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	703C1R1	4.00e-3 gr/dscf 7%O2	2.47e-2 lbs/hr	CE
Particulate	703C1R2	4.00e-3 gr/dscf 7%O2	2.65e-2 lbs/hr	CE
Particulate	703C1R3	3.00e-3 gr/dscf 7%O2	1.82e-2 lbs/hr	CE
Particulate	703C2R1	1.00e-3 gr/dscf 7%O2	6.54e-3 lbs/hr	CE
Particulate	703C2R2	3.00e-3 gr/dscf 7%O2	2.04e-2 lbs/hr	CE
Particulate	703C2R3	2.00e-3 gr/dscf 7%O2	1.47e-2 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
bis(2-ethylexyl) Phthalate	703C1R1	2.08e+5 ng/dscm 7%O2	5.61e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	703C1R2	5.91e+5 ng/dscm 7%O2	1.71e-3 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	703C1R3	3.07e+5 ng/dscm 7%O2	8.15e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	703C2R1	4.57e+5 ng/dscm 7%O2	1.30e-3 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	703C2R2	5.27e+4 ng/dscm 7%O2	1.57e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	703C2R3	3.48e+4 ng/dscm 7%O2	1.12e-4 lbs/hr	CE7%O2
Chlorodibromomethane	703C1R1	0.00e+0	0.00e+0	
Chlorodibromomethane	703C1R2	2 1.26e+3 ng/dscm 7%O2	3.65e-6 lbs/hr	CE7%O2
Chlorodibromomethane	703C1R3	2 1.23e+3 ng/dscm 7%O2	3.27e-6 lbs/hr	CE7%O2
Chlorodibromomethane	703C2R1	0.00e+0	0.00e+0	
Chlorodibromomethane	703C2R2	0.00e+0	0.00e+0	
Chlorodibromomethane	703C2R3	0.00e+0	0.00e+0	

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	703C1R1	8.17e-1 ppmv 7%O2	2.56e-3 lbs/hr	CE7%O2
CO	703C1R2	1.22e+0 ppmv 7%O2	4.09e-3 lbs/hr	CE7%O2
CO	703C1R3	1.78e+0 ppmv 7%O2	5.49e-3 lbs/hr	CE7%O2
CO	703C2R1	1.13e+0 ppmv 7%O2	3.75e-3 lbs/hr	CE7%O2
CO	703C2R2	1.09e+0 ppmv 7%O2	3.75e-3 lbs/hr	CE7%O2
CO	703C2R3	1.08e+0 ppmv 7%O2	4.01e-3 lbs/hr	CE7%O2
THC	703C1R1	ND 3.85e-1 ppmv 7%O2	1.90e-3 lbs/hr	CE7%O2
THC	703C1R2	ND 4.02e-1 ppmv 7%O2	2.12e-3 lbs/hr	CE7%O2
THC	703C1R3	ND 3.92e-1 ppmv 7%O2	1.90e-3 lbs/hr	CE7%O2
THC	703C2R1	ND 3.73e-1 ppmv 7%O2	1.94e-3 lbs/hr	CE7%O2
THC	703C2R2	ND 3.58e-1 ppmv 7%O2	1.94e-3 lbs/hr	CE7%O2
THC	703C2R3	ND 3.55e-1 ppmv 7%O2	2.08e-3 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	703C1R1	ND 5.81e+2 ng/dscm 7%O2	1.57e-6 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ARISTECH CHEMICAL

2. STATE: CA

3. CITY: COLTON

4. EP ID: 703 DEVICE NAME: INCINERATOR

EPA ID: CAD091933895

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB

REGION: 9

1,1,1-Trichloroethane	703C1R2	0.00e+0	0.00e+0	
1,1,1-Trichloroethane	703C1R3	0.00e+0	0.00e+0	
1,1,1-Trichloroethane	703C2R1	0.00e+0	0.00e+0	
1,1,1-Trichloroethane	703C2R2	0.00e+0	0.00e+0	
1,1,1-Trichloroethane	703C2R3	ND 4.77e+2 ng/dscm 7%O2	1.53e-6 lbs/hr	CE7%O2
1,1-Dichloroethane	703C1R1	ND 8.14e+2 ng/dscm 7%O2	2.20e-6 lbs/hr	CE7%O2
1,1-Dichloroethane	703C1R2	0.00e+0	0.00e+0	
1,1-Dichloroethane	703C1R3	0.00e+0	0.00e+0	
1,1-Dichloroethane	703C2R1	0.00e+0	0.00e+0	
1,1-Dichloroethane	703C2R2	2 8.02e+2 ng/dscm 7%O2	2.38e-6 lbs/hr	CE7%O2
1,1-Dichloroethane	703C2R3	2 7.96e+2 ng/dscm 7%O2	2.55e-6 lbs/hr	CE7%O2
1,4-Dioxane	703C1R1	ND 2.98e+4 ng/dscm 7%O2	8.06e-5 lbs/hr	CE7%O2
1,4-Dioxane	703C1R2	3.38e+5 ng/dscm 7%O2	9.79e-4 lbs/hr	CE7%O2
1,4-Dioxane	703C1R3	ND 2.60e+4 ng/dscm 7%O2	6.91e-5 lbs/hr	CE7%O2
1,4-Dioxane	703C2R1	ND 2.48e+4 ng/dscm 7%O2	7.07e-5 lbs/hr	CE7%O2
1,4-Dioxane	703C2R2	ND 2.38e+4 ng/dscm 7%O2	7.07e-5 lbs/hr	CE7%O2
1,4-Dioxane	703C2R3	ND 2.36e+4 ng/dscm 7%O2	7.57e-5 lbs/hr	CE7%O2
Benzene	703C1R1	ND 5.74e+1 ng/dscm 7%O2	1.55e-7 lbs/hr	CE7%O2
Benzene	703C1R2	7.49e+3 ng/dscm 7%O2	2.17e-5 lbs/hr	CE7%O2
Benzene	703C1R3	1.06e+4 ng/dscm 7%O2	2.81e-5 lbs/hr	CE7%O2
Benzene	703C2R1	2.71e+4 ng/dscm 7%O2	7.73e-5 lbs/hr	CE7%O2
Benzene	703C2R2	5.67e+3 ng/dscm 7%O2	1.69e-5 lbs/hr	CE7%O2
Benzene	703C2R3	6.95e+3 ng/dscm 7%O2	2.23e-5 lbs/hr	CE7%O2
Carbon disulfide	703C1R1	0.00e+0	0.00e+0	
Carbon disulfide	703C1R2	0.00e+0	0.00e+0	
Carbon disulfide	703C1R3	0.00e+0	0.00e+0	
Carbon disulfide	703C2R1	ND 2.71e+3 ng/dscm 7%O2	7.73e-6 lbs/hr	CE7%O2
Carbon disulfide	703C2R2	0.00e+0	0.00e+0	
Carbon disulfide	703C2R3	0.00e+0	0.00e+0	
Carbon Tetrachloride	703C1R1	1.04e+2 ng/dscm 7%O2	2.81e-7 lbs/hr	CE7%O2
Carbon Tetrachloride	703C1R2	3.34e+3 ng/dscm 7%O2	9.67e-6 lbs/hr	CE7%O2
Carbon Tetrachloride	703C1R3	ND 1.06e+3 ng/dscm 7%O2	2.81e-6 lbs/hr	CE7%O2
Carbon Tetrachloride	703C2R1	1.22e+3 ng/dscm 7%O2	3.50e-6 lbs/hr	CE7%O2
Carbon Tetrachloride	703C2R2	1.32e+3 ng/dscm 7%O2	3.91e-6 lbs/hr	CE7%O2
Carbon Tetrachloride	703C2R3	1.44e+3 ng/dscm 7%O2	4.62e-6 lbs/hr	CE7%O2
Chlorobenzene	703C1R1	ND 8.72e+2 ng/dscm 7%O2	2.35e-6 lbs/hr	CE7%O2
Chlorobenzene	703C1R2	ND 9.10e+2 ng/dscm 7%O2	2.63e-6 lbs/hr	CE7%O2
Chlorobenzene	703C1R3	ND 8.86e+2 ng/dscm 7%O2	2.35e-6 lbs/hr	CE7%O2
Chlorobenzene	703C2R1	ND 8.44e+2 ng/dscm 7%O2	2.41e-6 lbs/hr	CE7%O2
Chlorobenzene	703C2R2	ND 8.62e+2 ng/dscm 7%O2	2.56e-6 lbs/hr	CE7%O2
Chlorobenzene	703C2R3	ND 8.05e+2 ng/dscm 7%O2	2.58e-6 lbs/hr	CE7%O2
Chloroform	703C1R1	2.65e+3 ng/dscm 7%O2	7.15e-6 lbs/hr	CE7%O2
Chloroform	703C1R2	6.01e+3 ng/dscm 7%O2	1.74e-5 lbs/hr	CE7%O2
Chloroform	703C1R3	1.76e+3 ng/dscm 7%O2	4.67e-6 lbs/hr	CE7%O2
Chloroform	703C2R1	2.23e+3 ng/dscm 7%O2	6.37e-6 lbs/hr	CE7%O2
Chloroform	703C2R2	2.25e+3 ng/dscm 7%O2	6.69e-6 lbs/hr	CE7%O2
Chloroform	703C2R3	2.61e+3 ng/dscm 7%O2	8.35e-6 lbs/hr	CE7%O2
Chloromethane	703C1R1	3.91e+5 ng/dscm 7%O2	1.06e-3 lbs/hr	CE7%O2
Chloromethane	703C1R2	4.34e+5 ng/dscm 7%O2	1.26e-3 lbs/hr	CE7%O2
Chloromethane	703C1R3	4.97e+5 ng/dscm 7%O2	1.32e-3 lbs/hr	CE7%O2
Chloromethane	703C2R1	2.36e+5 ng/dscm 7%O2	6.76e-4 lbs/hr	CE7%O2
Chloromethane	703C2R2	4.32e+5 ng/dscm 7%O2	1.28e-3 lbs/hr	CE7%O2
Chloromethane	703C2R3	5.41e+5 ng/dscm 7%O2	1.73e-3 lbs/hr	CE7%O2
Dichlorodifluoromethane	703C1R1	0.00e+0	0.00e+0	
Dichlorodifluoromethane	703C1R2	0.00e+0	0.00e+0	
Dichlorodifluoromethane	703C1R3	0.00e+0	0.00e+0	
Dichlorodifluoromethane	703C2R1	0.00e+0	0.00e+0	
Dichlorodifluoromethane	703C2R2	6.95e+2 ng/dscm 7%O2	2.07e-6 lbs/hr	CE7%O2
Dichlorodifluoromethane	703C2R3	0.00e+0	0.00e+0	
Methylene Chloride	703C1R1	2.79e+4 ng/dscm 7%O2	7.54e-5 lbs/hr	CE7%O2
Methylene Chloride	703C1R2	1.54e+4 ng/dscm 7%O2	4.47e-5 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ARISTECH CHEMICAL

2. STATE: CA

3. CITY: COLTON

4. EP ID: 703 DEVICE NAME: INCINERATOR

EPA ID: CAD091933895

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB

REGION: 9

Methylene Chloride	703C1R3		5.43e+4	ng/dscm	7%O2	1.44e-4	lbs/hr	CE7%O2
Methylene Chloride	703C2R1		1.11e+4	ng/dscm	7%O2	3.18e-5	lbs/hr	CE7%O2
Methylene Chloride	703C2R2		3.02e+4	ng/dscm	7%O2	8.97e-5	lbs/hr	CE7%O2
Methylene Chloride	703C2R3		1.48e+4	ng/dscm	7%O2	4.74e-5	lbs/hr	CE7%O2
Tetrachloroethene	703C1R1		0.00e+0			0.00e+0		
Tetrachloroethene	703C1R2		0.00e+0			0.00e+0		
Tetrachloroethene	703C1R3	2	6.53e+2	ng/dscm	7%O2	1.73e-6	lbs/hr	CE7%O2
Tetrachloroethene	703C2R1	2	6.21e+2	ng/dscm	7%O2	1.77e-6	lbs/hr	CE7%O2
Tetrachloroethene	703C2R2		0.00e+0			0.00e+0		
Tetrachloroethene	703C2R3		0.00e+0			0.00e+0		
Toluene	703C1R1	2	8.91e+2	ng/dscm	7%O2	2.40e-6	lbs/hr	CE7%O2
Toluene	703C1R2		0.00e+0			0.00e+0		
Toluene	703C1R3		0.00e+0			0.00e+0		
Toluene	703C2R1	ND	9.91e+2	ng/dscm	7%O2	2.83e-6	lbs/hr	CE7%O2
Toluene	703C2R2		0.00e+0			0.00e+0		
Toluene	703C2R3		0.00e+0			0.00e+0		
Total Xylene	703C1R1	2	1.28e+3	ng/dscm	7%O2	3.46e-6	lbs/hr	CE7%O2
Total Xylene	703C1R2		0.00e+0			0.00e+0		
Total Xylene	703C1R3		0.00e+0			0.00e+0		
Total Xylene	703C2R1		0.00e+0			0.00e+0		
Total Xylene	703C2R2		0.00e+0			0.00e+0		
Total Xylene	703C2R3		0.00e+0			0.00e+0		
Trichloroethene	703C1R1	2	6.36e+2	ng/dscm	7%O2	1.72e-6	lbs/hr	CE7%O2
Trichloroethene	703C1R2		0.00e+0			0.00e+0		
Trichloroethene	703C1R3		0.00e+0			0.00e+0		
Trichloroethene	703C2R1	2	6.15e+2	ng/dscm	7%O2	1.76e-6	lbs/hr	CE7%O2
Trichloroethene	703C2R2		0.00e+0			0.00e+0		
Trichloroethene	703C2R3		0.00e+0			0.00e+0		
Trichlorofluoromethane	703C1R1		1.80e+4	ng/dscm	7%O2	4.85e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	703C1R2	ND	7.63e+3	ng/dscm	7%O2	2.21e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	703C1R3	ND	1.35e+4	ng/dscm	7%O2	3.59e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	703C2R1	ND	4.12e+3	ng/dscm	7%O2	1.18e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	703C2R2	ND	5.57e+3	ng/dscm	7%O2	1.65e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	703C2R3		5.59e+3	ng/dscm	7%O2	1.79e-5	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ASHLAND CHEMICAL COMPANY  
 2. STATE: CA  
 3. CITY: LOS ANGELES EPA CAD0440046274 REGION: 9  
 4. EP ID: 704 DEVICE NAME: INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: UNCONTROLLED

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	704C1R1	1.56e+2 ppmv 7%O2	1.42e+0 lbs/hr	CE7%O2
HCl	704C1R2	1.36e+2 ppmv 7%O2	1.46e+0 lbs/hr	CE7%O2
HCl	704C1R3	1.38e+2 ppmv 7%O2	1.46e+0 lbs/hr	CE7%O2
HCl	704C2R1	1.48e+2 ppmv 7%O2	1.53e+0 lbs/hr	CE7%O2
HCl	704C2R2	1.70e+2 ppmv 7%O2	1.56e+0 lbs/hr	CE7%O2
HCl	704C2R3	2.25e+2 ppmv 7%O2	1.55e+0 lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	704C1R1	2.00e-2 gr/dscf 7%O2	2.76e-1 lbs/hr	CE
Particulate	704C1R2	1.50e-2 gr/dscf 7%O2	2.43e-1 lbs/hr	CE
Particulate	704C1R3	1.10e-2 gr/dscf 7%O2	1.76e-1 lbs/hr	CE
Particulate	704C2R1	1.40e-2 gr/dscf 7%O2	2.19e-1 lbs/hr	CE
Particulate	704C2R2	2.40e-2 gr/dscf 7%O2	3.34e-1 lbs/hr	CE
Particulate	704C2R3	2.80e-2 gr/dscf 7%O2	2.92e-1 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
bis(2-ethylexyl) Phthalate	704C1R1	4.19e+4 ng/dscm 7%O2	2.52e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	704C1R2	5.23e+4 ng/dscm 7%O2	3.70e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	704C1R3	7.08e+4 ng/dscm 7%O2	4.95e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	704C2R1	1.83e+4 ng/dscm 7%O2	1.25e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	704C2R2	4.31e+4 ng/dscm 7%O2	2.62e-4 lbs/hr	CE7%O2
bis(2-ethylexyl) Phthalate	704C2R3	ND 0.00e+0	0.00e+0	
Diethylphthalate	704C1R1	4.78e+4 ng/dscm 7%O2	2.87e-4 lbs/hr	CE7%O2
Diethylphthalate	704C1R2	ND 9.92e+3 ng/dscm 7%O2	7.03e-5 lbs/hr	CE7%O2
Diethylphthalate	704C1R3	ND 0.00e+0	0.00e+0	
Diethylphthalate	704C2R1	ND 0.00e+0	0.00e+0	
Diethylphthalate	704C2R2	ND 0.00e+0	0.00e+0	
Diethylphthalate	704C2R3	ND 0.00e+0	0.00e+0	

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	704C1R1	ND 5.19e+0 ppmv 7%O2	3.62e-2 lbs/hr	CE7%O2
CO	704C1R2	ND 4.31e+0 ppmv 7%O2	3.55e-2 lbs/hr	CE7%O2
CO	704C1R3	ND 4.38e+0 ppmv 7%O2	3.55e-2 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	704C1R1	ND 0.00e+0	0.00e+0	
1,1,1-Trichloroethane	704C1R2	ND 0.00e+0	0.00e+0	
1,1,1-Trichloroethane	704C1R3	ND 6.05e+3 ng/dscm 7%O2	4.23e-5 lbs/hr	CE7%O2
1,1,1-Trichloroethane	704C2R1	ND 0.00e+0	0.00e+0	
1,1,1-Trichloroethane	704C2R2	ND 7.38e+3 ng/dscm 7%O2	4.48e-5 lbs/hr	CE7%O2
1,1,1-Trichloroethane	704C2R3	ND 9.45e+3 ng/dscm 7%O2	4.31e-5 lbs/hr	CE7%O2
1,4-Dioxane	704C1R1	ND 9.48e+3 ng/dscm 7%O2	5.70e-5 lbs/hr	CE7%O2
1,4-Dioxane	704C1R2	ND 7.87e+3 ng/dscm 7%O2	5.58e-5 lbs/hr	CE7%O2
1,4-Dioxane	704C1R3	9.99e+3 ng/dscm 7%O2	6.99e-5 lbs/hr	CE7%O2
1,4-Dioxane	704C2R1	ND 8.25e+3 ng/dscm 7%O2	5.65e-5 lbs/hr	CE7%O2



SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ASHLAND CHEMICAL COMPANY  
 2. STATE: CA  
 3. CITY: LOS ANGELES  
 4. EP ID: 704 DEVICE NAME: INCINERATOR

EPA CAD0440046274  
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: NONE

REGION: 9

1,4-Dioxane	704C2R2	ND	9.75e+3	ng/dscm	7%O2	5.92e-5	lbs/hr	CE7%O2
1,4-Dioxane	704C2R3	ND	1.25e+4	ng/dscm	7%O2	5.69e-5	lbs/hr	CE7%O2
Acetone	704C1R1		1.25e+4	ng/dscm	7%O2	7.52e-5	lbs/hr	CE7%O2
Acetone	704C1R2		2.85e+4	ng/dscm	7%O2	2.02e-4	lbs/hr	CE7%O2
Acetone	704C1R3		1.32e+4	ng/dscm	7%O2	9.22e-5	lbs/hr	CE7%O2
Acetone	704C2R1		1.09e+4	ng/dscm	7%O2	7.45e-5	lbs/hr	CE7%O2
Acetone	704C2R2		1.29e+4	ng/dscm	7%O2	7.81e-5	lbs/hr	CE7%O2
Acetone	704C2R3		2.06e+4	ng/dscm	7%O2	9.37e-5	lbs/hr	CE7%O2
Benzene	704C1R1	ND	0.00e+0			0.00e+0		
Benzene	704C1R2	ND	0.00e+0			0.00e+0		
Benzene	704C1R3	ND	0.00e+0			0.00e+0		
Benzene	704C2R1	ND	3.47e+3	ng/dscm	7%O2	2.38e-5	lbs/hr	CE7%O2
Benzene	704C2R2	ND	0.00e+0			0.00e+0		
Benzene	704C2R3	ND	0.00e+0			0.00e+0		
Chlorobenzene	704C1R1	ND	1.03e+3	ng/dscm	7%O2	6.19e-6	lbs/hr	CE7%O2
Chlorobenzene	704C1R2	ND	1.46e+4	ng/dscm	7%O2	1.03e-4	lbs/hr	CE7%O2
Chlorobenzene	704C1R3	ND	1.07e+3	ng/dscm	7%O2	7.50e-6	lbs/hr	CE7%O2
Chlorobenzene	704C2R1	ND	8.44e+2	ng/dscm	7%O2	5.77e-6	lbs/hr	CE7%O2
Chlorobenzene	704C2R2	ND	9.96e+2	ng/dscm	7%O2	6.05e-6	lbs/hr	CE7%O2
Chlorobenzene	704C2R3	ND	1.36e+3	ng/dscm	7%O2	6.18e-6	lbs/hr	CE7%O2
Methylene Chloride	704C1R1		8.68e+4	ng/dscm	7%O2	5.22e-4	lbs/hr	CE7%O2
Methylene Chloride	704C1R2		6.07e+4	ng/dscm	7%O2	4.30e-4	lbs/hr	CE7%O2
Methylene Chloride	704C1R3		6.55e+4	ng/dscm	7%O2	4.58e-4	lbs/hr	CE7%O2
Methylene Chloride	704C2R1		6.36e+4	ng/dscm	7%O2	4.35e-4	lbs/hr	CE7%O2
Methylene Chloride	704C2R2		9.39e+3	ng/dscm	7%O2	5.71e-5	lbs/hr	CE7%O2
Methylene Chloride	704C2R3		6.01e+3	ng/dscm	7%O2	2.74e-5	lbs/hr	CE7%O2
Styrene	704C1R1	ND	0.00e+0			0.00e+0		
Styrene	704C1R2	ND	9.29e+3	ng/dscm	7%O2	6.59e-5	lbs/hr	CE7%O2
Styrene	704C1R3	ND	0.00e+0			0.00e+0		
Styrene	704C2R1	ND	0.00e+0			0.00e+0		
Styrene	704C2R2	ND	0.00e+0			0.00e+0		
Styrene	704C2R3	ND	0.00e+0			0.00e+0		
Toluene	704C1R1	ND	0.00e+0			0.00e+0		
Toluene	704C1R2	ND	1.23e+4	ng/dscm	7%O2	8.74e-5	lbs/hr	CE7%O2
Toluene	704C1R3	ND	4.17e+3	ng/dscm	7%O2	2.92e-5	lbs/hr	CE7%O2
Toluene	704C2R1	ND	4.31e+3	ng/dscm	7%O2	2.95e-5	lbs/hr	CE7%O2
Toluene	704C2R2	ND	0.00e+0			0.00e+0		
Toluene	704C2R3	ND	0.00e+0			0.00e+0		
Total Xylene	704C1R1	ND	0.00e+0			0.00e+0		
Total Xylene	704C1R2	ND	0.00e+0			0.00e+0		
Total Xylene	704C1R3	ND	0.00e+0			0.00e+0		
Total Xylene	704C2R1	ND	4.97e+3	ng/dscm	7%O2	3.40e-5	lbs/hr	CE7%O2
Total Xylene	704C2R2	ND	0.00e+0			0.00e+0		
Total Xylene	704C2R3	ND	0.00e+0			0.00e+0		
Trichloroethene	704C1R1	ND	0.00e+0			0.00e+0		
Trichloroethene	704C1R2	ND	0.00e+0			0.00e+0		
Trichloroethene	704C1R3	ND	0.00e+0			0.00e+0		
Trichloroethene	704C2R1	ND	0.00e+0			0.00e+0		
Trichloroethene	704C2R2	ND	7.27e+3	ng/dscm	7%O2	4.41e-5	lbs/hr	CE7%O2
Trichloroethene	704C2R3	ND	0.00e+0			0.00e+0		
Trichlorofluoromethane	704C1R1	ND	0.00e+0			0.00e+0		
Trichlorofluoromethane	704C1R2	ND	0.00e+0			0.00e+0		
Trichlorofluoromethane	704C1R3	ND	2.49e+4	ng/dscm	7%O2	1.74e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	704C2R1	ND	6.43e+3	ng/dscm	7%O2	4.40e-5	lbs/hr	CE7%O2
Trichlorofluoromethane	704C2R2		6.84e+4	ng/dscm	7%O2	4.15e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	704C2R3		2.92e+4	ng/dscm	7%O2	1.33e-4	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ATOCHEM  
 2. STATE: KY  
 3. CITY: CARROLLTON  
 4. EP ID: 359 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/S REGION: 4  
 EPA ID: KYD006373922

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

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	359C1R1	9.62e-1 ppmv 7%O2	1.81e-2 lbs/hr	CE7%O2
HCl	359C1R2	2.31e+0 ppmv 7%O2	4.33e-2 lbs/hr	CE7%O2
HCl	359C1R3	2.99e+0 ppmv 7%O2	6.37e-2 lbs/hr	CE7%O2
HCl	359C1R4	6.43e+0 ppmv 7%O2	1.42e-1 lbs/hr	CE7%O2
HCl	359C2R1	1.27e+0 ppmv 7%O2	3.02e-2 lbs/hr	CE7%O2
HCl	359C2R2	1.84e+0 ppmv 7%O2	3.44e-2 lbs/hr	CE7%O2
HCl	359C2R3	1.61e+0 ppmv 7%O2	3.68e-2 lbs/hr	CE7%O2
HCl	359C3R1	3.99e+0 ppmv 7%O2	9.78e-2 lbs/hr	CE7%O2
HCl	359C3R2	6.31e-1 ppmv 7%O2	1.37e-2 lbs/hr	CE7%O2
HCl	359C3R3	1.52e+0 ppmv 7%O2	3.37e-2 lbs/hr	CE7%O2
HCl	359C4R2	5.21e+0 ppmv 7%O2	1.66e-1 lbs/hr	CE7%O2
HCl	359C4R3	1.54e+0 ppmv 7%O2	6.42e-2 lbs/hr	CE7%O2
HCl	359C4R4	4.97e+0 ppmv 7%O2	1.94e-1 lbs/hr	CE7%O2
HCl	359C5R1	5.75e+0 ppmv 7%O2	2.52e-1 lbs/hr	CE7%O2
HCl	359C5R2	3.20e+0 ppmv 7%O2	1.19e-1 lbs/hr	CE7%O2
HCl	359C5R3	6.45e+0 ppmv 7%O2	2.31e-1 lbs/hr	CE7%O2
HCl	359C6R1	3.27e+1 ppmv 7%O2	1.08e+0 lbs/hr	CE7%O2
HCl	359C6R2	3.17e+1 ppmv 7%O2	8.89e-1 lbs/hr	CE7%O2
HCl	359C6R3	2.75e+1 ppmv 7%O2	8.98e-1 lbs/hr	CE7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	359C4R2	ND 8.21e+2 ug/dscm 7%O2	1.73e-2 lbs/hr	CC7%O2
Antimony	359C4R3	ND 2.29e+2 ug/dscm 7%O2	6.31e-3 lbs/hr	CC7%O2
Antimony	359C4R4	ND 1.75e+3 ug/dscm 7%O2	4.51e-2 lbs/hr	CC7%O2
Antimony	359C5R1	ND 1.12e+4 ug/dscm 7%O2	3.24e-1 lbs/hr	CC7%O2
Antimony	359C5R2	ND 8.60e+3 ug/dscm 7%O2	2.11e-1 lbs/hr	CC7%O2
Antimony	359C5R3	ND 1.29e+4 ug/dscm 7%O2	3.06e-1 lbs/hr	CC7%O2
Antimony	359C6R1	1.44e+5 ug/dscm 7%O2	3.13e+0 lbs/hr	CC7%O2
Antimony	359C6R2	1.56e+5 ug/dscm 7%O2	2.89e+0 lbs/hr	CC7%O2
Antimony	359C6R3	9.64e+4 ug/dscm 7%O2	2.08e+0 lbs/hr	CC7%O2
Arsenic	359C4R2	1.10e+2 ug/dscm 7%O2	2.32e-3 lbs/hr	CC7%O2
Arsenic	359C4R3	8.30e+1 ug/dscm 7%O2	2.29e-3 lbs/hr	CC7%O2
Arsenic	359C4R4	8.80e+1 ug/dscm 7%O2	2.27e-3 lbs/hr	CC7%O2
Arsenic	359C5R1	3.10e+0 ug/dscm 7%O2	9.00e-5 lbs/hr	CC7%O2
Arsenic	359C5R2	ND 2.85e+0 ug/dscm 7%O2	7.00e-5 lbs/hr	CC7%O2
Arsenic	359C5R3	ND 7.60e+0 ug/dscm 7%O2	1.80e-4 lbs/hr	CC7%O2
Arsenic	359C6R1	1.97e+2 ug/dscm 7%O2	4.30e-3 lbs/hr	CC7%O2
Arsenic	359C6R2	1.18e+3 ug/dscm 7%O2	2.19e-2 lbs/hr	CC7%O2
Arsenic	359C6R3	2.80e+2 ug/dscm 7%O2	6.04e-3 lbs/hr	CC7%O2
Beryllium	359C4R2	ND 4.27e-1 ug/dscm 7%O2	9.00e-6 lbs/hr	CC7%O2
Beryllium	359C4R3	ND 7.25e-2 ug/dscm 7%O2	2.00e-6 lbs/hr	CC7%O2
Beryllium	359C4R4	ND 7.75e-2 ug/dscm 7%O2	2.00e-6 lbs/hr	CC7%O2
Beryllium	359C5R1	ND 3.45e-1 ug/dscm 7%O2	1.00e-5 lbs/hr	CC7%O2
Beryllium	359C5R2	ND 8.15e-1 ug/dscm 7%O2	2.00e-5 lbs/hr	CC7%O2
Beryllium	359C5R3	ND 8.45e-1 ug/dscm 7%O2	2.00e-5 lbs/hr	CC7%O2
Beryllium	359C6R1	ND 9.17e+0 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Beryllium	359C6R2	ND 1.08e+1 ug/dscm 7%O2	2.00e-4 lbs/hr	CC7%O2
Beryllium	359C6R3	ND 4.17e+0 ug/dscm 7%O2	9.00e-5 lbs/hr	CC7%O2
Cadmium	359C4R2	2.15e+1 ug/dscm 7%O2	4.52e-4 lbs/hr	CC7%O2
Cadmium	359C4R3	6.53e+0 ug/dscm 7%O2	1.80e-4 lbs/hr	CC7%O2
Cadmium	359C4R4	ND 5.04e+0 ug/dscm 7%O2	1.30e-4 lbs/hr	CC7%O2
Cadmium	359C5R1	8.28e+0 ug/dscm 7%O2	2.40e-4 lbs/hr	CC7%O2
Cadmium	359C5R2	5.70e+0 ug/dscm 7%O2	1.40e-4 lbs/hr	CC7%O2
Cadmium	359C5R3	6.34e+0 ug/dscm 7%O2	1.50e-4 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ATOCHEM  
 2. STATE: KY  
 3. CITY: CARROLLTON  
 4. EP ID: 359 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/S REGION: 4  
 EPA KYD006373922

Cadmium	359C6R1	ND	1.70e+1	ug/dscm	7%O2	3.70e-4	lbs/hr	CC7%O2
Cadmium	359C6R2	ND	2.00e+1	ug/dscm	7%O2	3.70e-4	lbs/hr	CC7%O2
Cadmium	359C6R3		9.27e+0	ug/dscm	7%O2	2.00e-4	lbs/hr	CC7%O2
Chromium	359C4R2	ND	6.17e+1	ug/dscm	7%O2	1.30e-3	lbs/hr	CC7%O2
Chromium	359C4R3	ND	3.26e+1	ug/dscm	7%O2	9.00e-4	lbs/hr	CC7%O2
Chromium	359C4R4	ND	1.98e+1	ug/dscm	7%O2	5.10e-4	lbs/hr	CC7%O2
Chromium	359C5R1	ND	5.52e+1	ug/dscm	7%O2	1.60e-3	lbs/hr	CC7%O2
Chromium	359C5R2	ND	4.07e+1	ug/dscm	7%O2	1.00e-3	lbs/hr	CC7%O2
Chromium	359C5R3	ND	1.10e+2	ug/dscm	7%O2	2.60e-3	lbs/hr	CC7%O2
Chromium	359C6R1	ND	8.71e+1	ug/dscm	7%O2	1.90e-3	lbs/hr	CC7%O2
Chromium	359C6R2	ND	3.00e+2	ug/dscm	7%O2	5.56e-3	lbs/hr	CC7%O2
Chromium	359C6R3	ND	1.02e+2	ug/dscm	7%O2	2.20e-3	lbs/hr	CC7%O2
Lead	359C4R2		2.42e+2	ug/dscm	7%O2	5.09e-3	lbs/hr	CC7%O2
Lead	359C4R3		2.37e+2	ug/dscm	7%O2	6.53e-3	lbs/hr	CC7%O2
Lead	359C4R4		1.70e+2	ug/dscm	7%O2	4.39e-3	lbs/hr	CC7%O2
Lead	359C5R1		2.75e+2	ug/dscm	7%O2	7.98e-3	lbs/hr	CC7%O2
Lead	359C5R2		1.85e+2	ug/dscm	7%O2	4.54e-3	lbs/hr	CC7%O2
Lead	359C5R3		5.15e+2	ug/dscm	7%O2	1.22e-2	lbs/hr	CC7%O2
Lead	359C6R1		1.38e+3	ug/dscm	7%O2	3.02e-2	lbs/hr	CC7%O2
Lead	359C6R2		1.01e+3	ug/dscm	7%O2	1.87e-2	lbs/hr	CC7%O2
Lead	359C6R3		5.37e+2	ug/dscm	7%O2	1.16e-2	lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	359C1R1	8.78e-3 gr/dscf 7%O2	2.51e-1 lbs/hr	CE7%O2
Particulate	359C1R2	6.31e-3 gr/dscf 7%O2	1.79e-1 lbs/hr	CE7%O2
Particulate	359C1R3	3.55e-2 gr/dscf 7%O2	1.14e+0 lbs/hr	CE7%O2
Particulate	359C1R4	5.65e-3 gr/dscf 7%O2	1.90e-1 lbs/hr	CE7%O2
Particulate	359C2R1	6.10e-3 gr/dscf 7%O2	2.20e-1 lbs/hr	CE7%O2
Particulate	359C2R2	4.35e-2 gr/dscf 7%O2	1.23e+0 lbs/hr	CE7%O2
Particulate	359C2R3	8.31e-3 gr/dscf 7%O2	2.88e-1 lbs/hr	CE7%O2
Particulate	359C3R1	7.22e-3 gr/dscf 7%O2	2.68e-1 lbs/hr	CE7%O2
Particulate	359C3R2	6.63e-2 gr/dscf 7%O2	2.18e+0 lbs/hr	CE7%O2
Particulate	359C3R3	5.79e-3 gr/dscf 7%O2	1.94e-1 lbs/hr	CE7%O2
Particulate	359C4R2	2.70e-3 gr/dscf 7%O2	1.30e-1 lbs/hr	
Particulate	359C4R3	3.40e-3 gr/dscf 7%O2	2.10e-1 lbs/hr	
Particulate	359C4R4	3.00e-3 gr/dscf 7%O2	1.80e-1 lbs/hr	
Particulate	359C5R1	8.40e-3 gr/dscf 7%O2	5.60e-1 lbs/hr	
Particulate	359C5R2	5.50e-3 gr/dscf 7%O2	3.10e-1 lbs/hr	
Particulate	359C5R3	1.27e-2 gr/dscf 7%O2	6.90e-1 lbs/hr	
Particulate	359C6R1	7.79e-2 gr/dscf 7%O2	3.88e+0 lbs/hr	
Particulate	359C6R2	9.54e-2 gr/dscf 7%O2	4.05e+0 lbs/hr	
Particulate	359C6R3	5.69e-2 gr/dscf 7%O2	2.81e+0 lbs/hr	

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	359C4R1	8.23e+1 ppmv	0.00e+0	
CO	359C4R2	1.67e+2 ppmv 7%O2	4.09e+0 lbs/hr	CE7%O2
CO	359C4R3	3.45e+1 ppmv 7%O2	1.11e+0 lbs/hr	CE7%O2
CO	359C4R4	1.31e+2 ppmv 7%O2	3.92e+0 lbs/hr	CE7%O2
CO	359C5R1	1.29e+2 ppmv 7%O2	4.36e+0 lbs/hr	CE7%O2
CO	359C5R2	1.17e+2 ppmv 7%O2	3.33e+0 lbs/hr	CE7%O2
CO	359C5R3	8.10e+1 ppmv 7%O2	2.23e+0 lbs/hr	CE7%O2
CO	359C5R4	9.59e+1 ppmv	0.00e+0	
CO	359C6R1	1.91e+2 ppmv 7%O2	4.85e+0 lbs/hr	CE7%O2
CO	359C6R2	4.09e+1 ppmv 7%O2	8.81e-1 lbs/hr	CE7%O2
CO	359C6R3	1.30e+2 ppmv 7%O2	3.26e+0 lbs/hr	CE7%O2
CO	359C6R4	1.81e+1 ppmv	0.00e+0	

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: ATOCHEM  
 2. STATE: KY  
 3. CITY: CARROLLTON  
 4. EP ID: 359 DEVICE NAME: EPA ID: KYD006373922 REGION: 4  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/S

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorobenzene	359C1R1	4.50e+5 ng/dscm 7%O2	5.61e-3 lbs/hr	CE7%O2
Chlorobenzene	359C2R1	6.32e+4 ng/dscm 7%O2	9.97e-4 lbs/hr	CE7%O2
Chlorobenzene	359C2R2	2.98e+5 ng/dscm 7%O2	3.68e-3 lbs/hr	CE7%O2
Chlorobenzene	359C3R1	5.64e+5 ng/dscm 7%O2	9.16e-3 lbs/hr	CE7%O2
Chlorobenzene	359C3R2	1.74e+5 ng/dscm 7%O2	2.51e-3 lbs/hr	CE7%O2
Chlorobenzene	359C3R3	1.35e+5 ng/dscm 7%O2	1.98e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C1R1	4.47e+5 ng/dscm 7%O2	5.58e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C1R2	3.65e+5 ng/dscm 7%O2	4.53e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C1R3	2.68e+5 ng/dscm 7%O2	3.78e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C2R1	2.75e+5 ng/dscm 7%O2	4.35e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C2R2	3.15e+5 ng/dscm 7%O2	3.90e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C2R3	1.92e+5 ng/dscm 7%O2	2.91e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C3R1	3.50e+5 ng/dscm 7%O2	5.68e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C3R2	2.87e+5 ng/dscm 7%O2	4.13e-3 lbs/hr	CE7%O2
Tetrachloroethene	359C3R3	1.06e+5 ng/dscm 7%O2	1.55e-3 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: BROS LAGOON AND CLEANUP SITE  
 2. STATE: NJ  
 3. CITY: BRIDGEPORT  
 4. EP ID: 807 DEVICE NAME: MWP-2001

EPA ID: NJD890764328  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2  
 APC SYSTEM: C/WHB/VQ/PT/HS/DM

5. Type: CONTROLLED

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

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
TEQ	807C1R1	9.90e-1 ng/dscm 7%O2	5.23e-8 lbs/hr	
TEQ	807C1R2	2.81e-1 ng/dscm 7%O2	1.64e-8 lbs/hr	
TEQ	807C1R3	3.96e-1 ng/dscm 7%O2	1.93e-8 lbs/hr	
TEQ	807C2R2	1.62e-1 ng/dscm 7%O2	9.82e-9 lbs/hr	
TEQ	807C2R3	4.34e-1 ng/dscm 7%O2	2.58e-8 lbs/hr	
TEQ	807C2R4	6.04e-1 ng/dscm 7%O2	3.72e-8 lbs/hr	
TEQ	807C3R2	1.92e-1 ng/dscm 7%O2	1.24e-8 lbs/hr	
TEQ	807C3R3	3.47e-1 ng/dscm 7%O2	2.25e-8 lbs/hr	
TEQ	807C3R4	2.14e-1 ng/dscm 7%O2	1.31e-8 lbs/hr	
Total PCDD/PCDF	807C1R1	9.31e+1 ng/dscm 7%O2	2.72e-6 lbs/hr	CE
Total PCDD/PCDF	807C1R2	2.68e+1 ng/dscm 7%O2	9.23e-7 lbs/hr	CE
Total PCDD/PCDF	807C1R3	5.25e+1 ng/dscm 7%O2	1.01e-6 lbs/hr	CE
Total PCDD/PCDF	807C2R2	2.27e+1 ng/dscm 7%O2	5.12e-7 lbs/hr	CE
Total PCDD/PCDF	807C2R3	9.18e+1 ng/dscm 7%O2	2.10e-6 lbs/hr	CE
Total PCDD/PCDF	807C2R4	7.69e+1 ng/dscm 7%O2	1.68e-6 lbs/hr	CE
Total PCDD/PCDF	807C3R2	2.08e+1 ng/dscm 7%O2	5.46e-7 lbs/hr	CE
Total PCDD/PCDF	807C3R3	3.61e+1 ng/dscm 7%O2	1.02e-6 lbs/hr	CE
Total PCDD/PCDF	807C3R4	2.72e+1 ng/dscm 7%O2	6.05e-7 lbs/hr	CE

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	807C1R4	1.72e-1 ppmv 7%O2	1.50e-2 lbs/hr	CC7%O2
Chlorine	807C1R5	1.98e-1 ppmv 7%O2	1.90e-2 lbs/hr	CC7%O2
Chlorine	807C1R6	3.09e-1 ppmv 7%O2	2.10e-2 lbs/hr	CC7%O2
Chlorine	807C2R5	3.56e-1 ppmv 7%O2	2.40e-2 lbs/hr	CC7%O2
Chlorine	807C2R6	4.73e-1 ppmv 7%O2	3.20e-2 lbs/hr	CC7%O2
Chlorine	807C2R7	3.49e-1 ppmv 7%O2	2.30e-2 lbs/hr	CC7%O2
Chlorine	807C3R5	2.03e-1 ppmv 7%O2	1.30e-2 lbs/hr	CC7%O2
Chlorine	807C3R6	3.36e-1 ppmv 7%O2	2.90e-2 lbs/hr	CC7%O2
Chlorine	807C3R7	5.22e-1 ppmv 7%O2	3.00e-2 lbs/hr	CC7%O2
HCl	807C1R4	8.94e-1 ppmv 7%O2	4.00e-2 lbs/hr	CC7%O2
HCl	807C1R5	1.14e+0 ppmv 7%O2	5.60e-2 lbs/hr	CC7%O2
HCl	807C1R6	1.32e+0 ppmv 7%O2	4.60e-2 lbs/hr	CC7%O2
HCl	807C2R5	3.00e+0 ppmv 7%O2	1.04e-1 lbs/hr	CC7%O2
HCl	807C2R6	2.30e+0 ppmv 7%O2	8.00e-2 lbs/hr	CC7%O2
HCl	807C2R7	1.95e+0 ppmv 7%O2	6.60e-2 lbs/hr	CC7%O2
HCl	807C3R5	2.68e+0 ppmv 7%O2	8.80e-2 lbs/hr	CC7%O2
HCl	807C3R6	2.99e+0 ppmv 7%O2	1.33e-1 lbs/hr	CC7%O2
HCl	807C3R7	2.57e+0 ppmv 7%O2	7.60e-2 lbs/hr	CC7%O2

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Arsenic	807C1B1	ND 2.20e+0 ug/dscm 7%O2	7.40e-5 lbs/hr	CC7%O2
Arsenic	807C1B2	2.03e+1 ug/dscm 7%O2	3.84e-4 lbs/hr	CC7%O2
Arsenic	807C1B3	2.69e+1 ug/dscm 7%O2	5.22e-4 lbs/hr	CC7%O2
Arsenic	807C2B2	ND 3.55e+0 ug/dscm 7%O2	7.60e-5 lbs/hr	CC7%O2
Arsenic	807C2B3	2.45e+1 ug/dscm 7%O2	5.70e-4 lbs/hr	CC7%O2
Arsenic	807C2B4	3.93e+1 ug/dscm 7%O2	8.66e-4 lbs/hr	CC7%O2
Arsenic	807C3B4	ND 3.69e+0 ug/dscm 7%O2	8.16e-5 lbs/hr	CC7%O2
Arsenic	807C3B5	ND 2.80e+0 ug/dscm 7%O2	7.60e-5 lbs/hr	CC7%O2
Arsenic	807C3B6	ND 3.50e+0 ug/dscm 7%O2	7.82e-5 lbs/hr	CC7%O2
Barium	807C1B1	1.21e+1 ug/dscm 7%O2	4.07e-4 lbs/hr	CC7%O2
Barium	807C1B2	ND 3.66e+1 ug/dscm 7%O2	6.92e-4 lbs/hr	CC7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: BROS LAGOON AND CLEANUP SITE  
 2. STATE: NJ  
 3. CITY: BRIDGEPORT  
 4. EP ID: 807 DEVICE NAME: MWP-2001

EPA ID: NJD890764328  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2  
 APC SYSTEM: C/WHB/VQ/PT/HS/DM

Barium	807C1B3	ND	3.66e+1	ug/dscm	7%O2	7.11e-4	lbs/hr	CC7%O2
Barium	807C2B2	ND	3.55e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Barium	807C2B3	ND	3.22e+1	ug/dscm	7%O2	7.50e-4	lbs/hr	CC7%O2
Barium	807C2B4	ND	3.46e+1	ug/dscm	7%O2	7.63e-4	lbs/hr	CC7%O2
Barium	807C3B4	ND	3.69e+1	ug/dscm	7%O2	8.16e-4	lbs/hr	CC7%O2
Barium	807C3B5	ND	2.80e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Barium	807C3B6		2.10e+1	ug/dscm	7%O2	4.69e-4	lbs/hr	CC7%O2
Beryllium	807C1B1	ND	2.20e+1	ug/dscm	7%O2	7.40e-4	lbs/hr	CC7%O2
Beryllium	807C1B2	ND	3.66e+1	ug/dscm	7%O2	6.92e-4	lbs/hr	CC7%O2
Beryllium	807C1B3	ND	3.66e+1	ug/dscm	7%O2	7.11e-4	lbs/hr	CC7%O2
Beryllium	807C2B2	ND	3.55e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Beryllium	807C2B3	ND	3.22e+1	ug/dscm	7%O2	7.50e-4	lbs/hr	CC7%O2
Beryllium	807C2B4	ND	3.46e+1	ug/dscm	7%O2	7.63e-4	lbs/hr	CC7%O2
Beryllium	807C3B4	ND	3.69e+1	ug/dscm	7%O2	8.16e-4	lbs/hr	CC7%O2
Beryllium	807C3B5	ND	2.80e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Beryllium	807C3B6	ND	3.50e+1	ug/dscm	7%O2	7.82e-4	lbs/hr	CC7%O2
Cadmium	807C1B1		2.97e+1	ug/dscm	7%O2	1.00e-3	lbs/hr	CC7%O2
Cadmium	807C1B2		1.06e+2	ug/dscm	7%O2	2.00e-3	lbs/hr	CC7%O2
Cadmium	807C1B3		5.15e+1	ug/dscm	7%O2	1.00e-3	lbs/hr	CC7%O2
Cadmium	807C2B2		4.67e+1	ug/dscm	7%O2	1.00e-3	lbs/hr	CC7%O2
Cadmium	807C2B3		8.59e+1	ug/dscm	7%O2	2.00e-3	lbs/hr	CC7%O2
Cadmium	807C2B4		9.07e+1	ug/dscm	7%O2	2.00e-3	lbs/hr	CC7%O2
Cadmium	807C3B4		4.53e+1	ug/dscm	7%O2	1.00e-3	lbs/hr	CC7%O2
Cadmium	807C3B5		2.38e+1	ug/dscm	7%O2	6.46e-4	lbs/hr	CC7%O2
Cadmium	807C3B6		1.93e+1	ug/dscm	7%O2	4.30e-4	lbs/hr	CC7%O2
Chromium	807C1B1		1.63e+1	ug/dscm	7%O2	5.47e-4	lbs/hr	CC7%O2
Chromium	807C1B2		3.53e+1	ug/dscm	7%O2	6.67e-4	lbs/hr	CC7%O2
Chromium	807C1B3		2.60e+1	ug/dscm	7%O2	5.04e-4	lbs/hr	CC7%O2
Chromium	807C2B2		2.21e+1	ug/dscm	7%O2	4.74e-4	lbs/hr	CC7%O2
Chromium	807C2B3		2.33e+1	ug/dscm	7%O2	5.42e-4	lbs/hr	CC7%O2
Chromium	807C2B4		3.00e+1	ug/dscm	7%O2	6.62e-4	lbs/hr	CC7%O2
Chromium	807C3B4	ND	3.69e+0	ug/dscm	7%O2	8.16e-5	lbs/hr	CC7%O2
Chromium	807C3B5		1.82e+1	ug/dscm	7%O2	4.94e-4	lbs/hr	CC7%O2
Chromium	807C3B6	ND	3.50e+0	ug/dscm	7%O2	7.82e-5	lbs/hr	CC7%O2
Lead	807C1B1		1.78e+2	ug/dscm	7%O2	6.00e-3	lbs/hr	CC7%O2
Lead	807C1B2		2.65e+2	ug/dscm	7%O2	5.00e-3	lbs/hr	CC7%O2
Lead	807C1B3		1.55e+2	ug/dscm	7%O2	3.00e-3	lbs/hr	CC7%O2
Lead	807C2B2		1.87e+2	ug/dscm	7%O2	4.00e-3	lbs/hr	CC7%O2
Lead	807C2B3		3.43e+2	ug/dscm	7%O2	8.00e-3	lbs/hr	CC7%O2
Lead	807C2B4		1.81e+2	ug/dscm	7%O2	4.00e-3	lbs/hr	CC7%O2
Lead	807C3B4		3.20e+1	ug/dscm	7%O2	7.06e-4	lbs/hr	CC7%O2
Lead	807C3B5		2.81e+1	ug/dscm	7%O2	7.64e-4	lbs/hr	CC7%O2
Lead	807C3B6		2.10e+1	ug/dscm	7%O2	4.69e-4	lbs/hr	CC7%O2
Mercury	807C1B1		1.09e+1	ug/dscm	7%O2	3.68e-4	lbs/hr	CC7%O2
Mercury	807C1B2		2.01e+1	ug/dscm	7%O2	3.79e-4	lbs/hr	CC7%O2
Mercury	807C1B3		1.17e+0	ug/dscm	7%O2	2.27e-5	lbs/hr	CC7%O2
Mercury	807C2B2		1.84e+1	ug/dscm	7%O2	3.95e-4	lbs/hr	CC7%O2
Mercury	807C2B3		1.75e+1	ug/dscm	7%O2	4.07e-4	lbs/hr	CC7%O2
Mercury	807C2B4		1.76e+1	ug/dscm	7%O2	3.89e-4	lbs/hr	CC7%O2
Mercury	807C3B4		6.84e+0	ug/dscm	7%O2	1.51e-4	lbs/hr	CC7%O2
Mercury	807C3B5	ND	3.43e+0	ug/dscm	7%O2	9.31e-5	lbs/hr	CC7%O2
Mercury	807C3B6		5.69e+0	ug/dscm	7%O2	1.27e-4	lbs/hr	CC7%O2
Nickel	807C1B1	ND	2.20e+1	ug/dscm	7%O2	7.40e-4	lbs/hr	CC7%O2
Nickel	807C1B2	ND	3.66e+1	ug/dscm	7%O2	6.92e-4	lbs/hr	CC7%O2
Nickel	807C1B3	ND	3.66e+1	ug/dscm	7%O2	7.11e-4	lbs/hr	CC7%O2
Nickel	807C2B2	ND	3.55e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Nickel	807C2B3	ND	3.22e+1	ug/dscm	7%O2	7.50e-4	lbs/hr	CC7%O2
Nickel	807C2B4	ND	3.46e+1	ug/dscm	7%O2	7.63e-4	lbs/hr	CC7%O2
Nickel	807C3B4	ND	3.69e+1	ug/dscm	7%O2	8.16e-4	lbs/hr	CC7%O2
Nickel	807C3B5		2.80e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Nickel	807C3B6	ND	3.50e+1	ug/dscm	7%O2	7.82e-4	lbs/hr	CC7%O2
Selenium	807C1B1	ND	2.20e+1	ug/dscm	7%O2	7.40e-4	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: BROS LAGOON AND CLEANUP SITE  
 2. STATE: NJ  
 3. CITY: BRIDGEPORT  
 4. EP ID: 807 DEVICE NAME: MWP-2001

EPA ID: NJD890764328  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2  
 APC SYSTEM: C/WHB/VQ/PT/HS/DM

Selenium	807C1B2	ND	3.66e+1	ug/dscm	7%O2	6.92e-4	lbs/hr	CC7%O2
Selenium	807C1B3	ND	3.66e+1	ug/dscm	7%O2	7.11e-4	lbs/hr	CC7%O2
Selenium	807C2B2	ND	3.55e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Selenium	807C2B3	ND	3.22e+1	ug/dscm	7%O2	7.50e-4	lbs/hr	CC7%O2
Selenium	807C2B4	ND	3.46e+1	ug/dscm	7%O2	7.63e-4	lbs/hr	CC7%O2
Selenium	807C3B4	ND	3.69e+1	ug/dscm	7%O2	8.16e-4	lbs/hr	CC7%O2
Selenium	807C3B5	ND	2.80e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Selenium	807C3B6	ND	3.50e+1	ug/dscm	7%O2	7.82e-4	lbs/hr	CC7%O2
Silver	807C1B1	ND	2.20e+1	ug/dscm	7%O2	7.40e-4	lbs/hr	CC7%O2
Silver	807C1B2	ND	3.66e+1	ug/dscm	7%O2	6.92e-4	lbs/hr	CC7%O2
Silver	807C1B3	ND	3.66e+1	ug/dscm	7%O2	7.11e-4	lbs/hr	CC7%O2
Silver	807C2B2	ND	3.55e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Silver	807C2B3	ND	3.22e+1	ug/dscm	7%O2	7.50e-4	lbs/hr	CC7%O2
Silver	807C2B4	ND	3.46e+1	ug/dscm	7%O2	7.63e-4	lbs/hr	CC7%O2
Silver	807C3B4	ND	3.69e+1	ug/dscm	7%O2	8.16e-4	lbs/hr	CC7%O2
Silver	807C3B5	ND	2.80e+1	ug/dscm	7%O2	7.60e-4	lbs/hr	CC7%O2
Silver	807C3B6	ND	3.50e+1	ug/dscm	7%O2	7.82e-4	lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	807C1R7	3.07e-2 gr/dscf 7%O2	2.20e+0 lbs/hr	CE7%O2
Particulate	807C1R8	2.21e-2 gr/dscf 7%O2	1.76e+0 lbs/hr	CE7%O2
Particulate	807C1R9	4.92e-2 gr/dscf 7%O2	2.12e+0 lbs/hr	CE7%O2
Particulate	807C2B1	2.61e-2 gr/dscf 7%O2	1.35e+0 lbs/hr	CE7%O2
Particulate	807C2R8	2.11e-2 gr/dscf 7%O2	1.09e+0 lbs/hr	CE7%O2
Particulate	807C2R9	1.95e-2 gr/dscf 7%O2	9.94e-1 lbs/hr	CE7%O2
Particulate	807C3B1	3.95e-2 gr/dscf 7%O2	1.98e+0 lbs/hr	CE7%O2
Particulate	807C3B2	2.19e-2 gr/dscf 7%O2	1.46e+0 lbs/hr	CE7%O2
Particulate	807C3B3	2.25e-2 gr/dscf 7%O2	1.19e+0 lbs/hr	CE7%O2

7. Category: PCB

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
PCBs	807C1R1	ND 5.38e+2 ng/dscm 7%O2	1.57e-5 lbs/hr	CC7%O2
PCBs	807C1R2	ND 1.45e+3 ng/dscm 7%O2	5.00e-5 lbs/hr	CC7%O2
PCBs	807C1R3	ND 5.97e+2 ng/dscm 7%O2	1.15e-5 lbs/hr	CC7%O2
PCBs	807C2R2	ND 4.48e+2 ng/dscm 7%O2	1.01e-5 lbs/hr	CC7%O2
PCBs	807C2R3	ND 2.28e+2 ng/dscm 7%O2	5.21e-6 lbs/hr	CC7%O2
PCBs	807C2R4	ND 3.63e+2 ng/dscm 7%O2	7.92e-6 lbs/hr	CC7%O2
PCBs	807C3R2	ND 5.57e+2 ng/dscm 7%O2	1.46e-5 lbs/hr	CC7%O2
PCBs	807C3R3	ND 1.01e+3 ng/dscm 7%O2	2.85e-5 lbs/hr	CC7%O2
PCBs	807C3R4	ND 8.51e+2 ng/dscm 7%O2	1.89e-5 lbs/hr	CC7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	807C1R1	3.70e+0 ppmv 7%O2	1.26e-1 lbs/hr	CE
CO	807C1R2	ND 1.90e+0 ppmv 7%O2	7.60e-2 lbs/hr	CE
CO	807C1R3	ND 1.80e+0 ppmv 7%O2	4.03e-2 lbs/hr	CE
CO	807C2R2	2.22e+1 ppmv 7%O2	5.82e-1 lbs/hr	CE
CO	807C2R3	1.37e+1 ppmv 7%O2	3.64e-1 lbs/hr	CE
CO	807C2R4	ND 3.00e-1 ppmv 7%O2	7.62e-3 lbs/hr	CE
CO	807C3R2	5.00e-1 ppmv 7%O2	1.52e-2 lbs/hr	CE
CO	807C3R3	ND 3.00e-1 ppmv 7%O2	9.84e-3 lbs/hr	CE
CO	807C3R4	1.11e+1 ppmv 7%O2	2.87e-1 lbs/hr	CE
CO(MHRA)	807C1R1	4.57e+1 ppmv 7%O2	1.55e+0 lbs/hr	CC7%O2
CO(MHRA)	807C1R2	4.01e+0 ppmv 7%O2	1.60e-1 lbs/hr	CC7%O2
CO(MHRA)	807C1R3	ND 4.47e+0 ppmv 7%O2	1.00e-1 lbs/hr	CC7%O2
CO(MHRA)	807C2R2	1.93e+2 ppmv 7%O2	5.04e+0 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: BROS LAGOON AND CLEANUP SITE  
 2. STATE: NJ  
 3. CITY: BRIDGEPORT  
 4. EP ID: 807 DEVICE NAME: MWP-2001

EPA ID: NJD890764328  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2  
 APC SYSTEM: C/WHB/VQ/PT/HS/DM

CO(MHRA)	807C2R3		3.31e+2	ppmv 7%O2	8.78e+0	lbs/hr	CC7%O2
CO(MHRA)	807C2R4	ND	7.89e-1	ppmv 7%O2	2.00e-2	lbs/hr	CC7%O2
CO(MHRA)	807C3R2		2.96e+0	ppmv 7%O2	9.00e-2	lbs/hr	CC7%O2
CO(MHRA)	807C3R3		9.16e-1	ppmv 7%O2	3.00e-2	lbs/hr	CC7%O2
CO(MHRA)	807C3R4		1.27e+2	ppmv 7%O2	3.27e+0	lbs/hr	CC7%O2
THC	807C1R1		2.90e+0	ppmv 7%O2	1.55e-1	lbs/hr	CE
THC	807C1R2	ND	1.90e+0	ppmv 7%O2	1.19e-1	lbs/hr	CE
THC	807C1R3		2.40e+0	ppmv 7%O2	8.44e-2	lbs/hr	CE
THC	807C2R2		2.60e+0	ppmv 7%O2	1.07e-1	lbs/hr	CE
THC	807C2R3		1.16e+1	ppmv 7%O2	4.84e-1	lbs/hr	CE
THC	807C2R4		1.60e+0	ppmv 7%O2	6.38e-2	lbs/hr	CE
THC	807C3R2		1.70e+0	ppmv 7%O2	8.14e-2	lbs/hr	CE
THC	807C3R3		1.60e+0	ppmv 7%O2	8.24e-2	lbs/hr	CE
THC	807C3R4		2.00e+0	ppmv 7%O2	8.11e-2	lbs/hr	CE
THC(MHRA)	807C1R1		2.44e+0	ppmv 7%O2	1.30e-1	lbs/hr	CC7%O2
THC(MHRA)	807C1R2		1.43e+0	ppmv 7%O2	9.00e-2	lbs/hr	CC7%O2
THC(MHRA)	807C1R3		2.85e+0	ppmv 7%O2	1.00e-1	lbs/hr	CC7%O2
THC(MHRA)	807C2R2		4.62e+0	ppmv 7%O2	1.90e-1	lbs/hr	CC7%O2
THC(MHRA)	807C2R3		4.51e+1	ppmv 7%O2	1.88e+0	lbs/hr	CC7%O2
THC(MHRA)	807C2R4		1.76e+0	ppmv 7%O2	7.00e-2	lbs/hr	CC7%O2
THC(MHRA)	807C3R2		1.88e+0	ppmv 7%O2	9.00e-2	lbs/hr	CC7%O2
THC(MHRA)	807C3R3		2.14e+0	ppmv 7%O2	1.10e-1	lbs/hr	CC7%O2
THC(MHRA)	807C3R4		2.22e+0	ppmv 7%O2	9.00e-2	lbs/hr	CC7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID		Concentration		Mass Rate	Calc	
Carbon Tetrachloride	807C1R1	ND	2.72e+2	ng/dscm 7%O2	7.95e-6	lbs/hr	CC7%O2
Carbon Tetrachloride	807C1R2	ND	2.56e+2	ng/dscm 7%O2	8.81e-6	lbs/hr	CC7%O2
Carbon Tetrachloride	807C1R3	ND	2.74e+4	ng/dscm 7%O2	5.27e-4	lbs/hr	CC7%O2
Carbon Tetrachloride	807C2R1	ND	7.81e+2	ng/dscm 7%O2	1.77e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	807C2R2	ND	3.53e+2	ng/dscm 7%O2	7.96e-6	lbs/hr	CC7%O2
Carbon Tetrachloride	807C2R3	ND	1.04e+3	ng/dscm 7%O2	2.37e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	807C3R1	ND	5.61e+2	ng/dscm 7%O2	1.20e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	807C3R2	ND	2.18e+3	ng/dscm 7%O2	5.72e-5	lbs/hr	CC7%O2
Carbon Tetrachloride	807C3R4	ND	1.38e+4	ng/dscm 7%O2	3.06e-4	lbs/hr	CC7%O2
Chlorobenzene	807C1R1	ND	1.11e+3	ng/dscm 7%O2	3.25e-5	lbs/hr	CC7%O2
Chlorobenzene	807C1R2	ND	1.28e+3	ng/dscm 7%O2	4.39e-5	lbs/hr	CC7%O2
Chlorobenzene	807C1R3	ND	1.68e+3	ng/dscm 7%O2	3.24e-5	lbs/hr	CC7%O2
Chlorobenzene	807C2R1	ND	8.29e+2	ng/dscm 7%O2	1.88e-5	lbs/hr	CC7%O2
Chlorobenzene	807C2R2	ND	1.39e+3	ng/dscm 7%O2	3.14e-5	lbs/hr	CC7%O2
Chlorobenzene	807C2R3	ND	1.52e+3	ng/dscm 7%O2	3.48e-5	lbs/hr	CC7%O2
Chlorobenzene	807C2R4	ND	1.38e+3	ng/dscm 7%O2	3.01e-5	lbs/hr	CC7%O2
Chlorobenzene	807C3R1	ND	3.21e+2	ng/dscm 7%O2	6.86e-6	lbs/hr	CC7%O2
Chlorobenzene	807C3R2	ND	1.57e+3	ng/dscm 7%O2	4.12e-5	lbs/hr	CC7%O2
Chlorobenzene	807C3R3	ND	1.42e+3	ng/dscm 7%O2	4.00e-5	lbs/hr	CC7%O2
Chlorobenzene	807C3R4	ND	1.73e+3	ng/dscm 7%O2	3.84e-5	lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT



SECTION 7: EMISSIONS 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: CONTROLLED

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
HCl	708C1R1	2.36e+0 ppmv 7%O2	1.39e-2 lbs/hr	CE7%O2
HCl	708C1R2	6.61e-1 ppmv 7%O2	4.45e-3 lbs/hr	CE7%O2
HCl	708C1R3	7.26e-1 ppmv 7%O2	5.23e-3 lbs/hr	CE7%O2
HCl	708C2R1	2.24e+0 ppmv 7%O2	1.99e-2 lbs/hr	CE7%O2
HCl	708C2R2	1.15e+0 ppmv 7%O2	1.02e-2 lbs/hr	CE7%O2
HCl	708C2R3	2.59e-1 ppmv 7%O2	2.58e-3 lbs/hr	CE7%O2
HCl	708C3R1	2.20e-1 ppmv 7%O2	2.33e-3 lbs/hr	CE7%O2
HCl	708C3R2	3.11e-1 ppmv 7%O2	3.19e-3 lbs/hr	CE7%O2
HCl	708C3R3	1.96e+0 ppmv 7%O2	2.03e-2 lbs/hr	CE7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	708C1R1	1.82e-2 gr/dscf 7%O2	1.62e-1 lbs/hr	CC7%O2
Particulate	708C1R2	1.22e-2 gr/dscf 7%O2	1.24e-1 lbs/hr	CC7%O2
Particulate	708C1R3	1.69e-2 gr/dscf 7%O2	1.84e-1 lbs/hr	CC7%O2
Particulate	708C2R1	6.86e-2 gr/dscf 7%O2	9.19e-1 lbs/hr	CC7%O2
Particulate	708C2R2	4.52e-2 gr/dscf 7%O2	6.07e-1 lbs/hr	CC7%O2
Particulate	708C2R3	3.32e-2 gr/dscf 7%O2	5.01e-1 lbs/hr	CC7%O2
Particulate	708C3R1	1.73e-2 gr/dscf 7%O2	2.77e-1 lbs/hr	CC7%O2
Particulate	708C3R2	1.27e-2 gr/dscf 7%O2	1.96e-1 lbs/hr	CC7%O2
Particulate	708C3R3	1.22e-2 gr/dscf 7%O2	1.92e-1 lbs/hr	CC7%O2

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichlorobenzene	708C1R1	4.56e+3 ng/dscm 7%O2	1.77e-5 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C1R2	1.17e+3 ng/dscm 7%O2	5.21e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C1R3	ND 4.29e+2 ng/dscm 7%O2	2.05e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C2R1	ND 4.01e+2 ng/dscm 7%O2	2.35e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C2R2	ND 4.30e+2 ng/dscm 7%O2	2.53e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C2R3	ND 5.29e+2 ng/dscm 7%O2	3.49e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C3R1	ND 4.10e+2 ng/dscm 7%O2	2.87e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C3R2	ND 4.52e+2 ng/dscm 7%O2	3.06e-6 lbs/hr	CE7%O2
1,2-Dichlorobenzene	708C3R3	ND 4.17e+2 ng/dscm 7%O2	2.86e-6 lbs/hr	CE7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	708C1R1	ND 2.07e+0 ppmv 7%O2	9.34e-3 lbs/hr	CE7%O2
CO	708C1R2	ND 2.17e+0 ppmv 7%O2	1.12e-2 lbs/hr	CE7%O2
CO	708C1R3	ND 2.12e+0 ppmv 7%O2	1.17e-2 lbs/hr	CE7%O2
CO	708C2R1	6.15e+0 ppmv 7%O2	4.18e-2 lbs/hr	CE7%O2
CO	708C2R2	4.41e+0 ppmv 7%O2	3.00e-2 lbs/hr	CE7%O2
CO	708C2R3	ND 1.56e+0 ppmv 7%O2	1.19e-2 lbs/hr	CE7%O2
CO	708C3R1	3.99e+0 ppmv 7%O2	3.25e-2 lbs/hr	CE7%O2
CO	708C3R2	2.16e+1 ppmv 7%O2	1.70e-1 lbs/hr	CE7%O2
CO	708C3R3	1.96e+1 ppmv 7%O2	1.56e-1 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chloroform	708C1R1	ND 1.02e+6 ng/dscm 7%O2	3.97e-3 lbs/hr	CE7%O2

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: BURROUGHSWELLCOME

2. STATE: NC

3. CITY: GREENVILLE

EPA NCD047373766

REGION: 4

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

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS/ESP

Chloroform	708C1R2	ND	1.07e+6	ng/dscm	7%O2	4.76e-3	lbs/hr	CE7%O2
Chloroform	708C1R3	ND	1.05e+6	ng/dscm	7%O2	4.99e-3	lbs/hr	CE7%O2
Chloroform	708C2R1	ND	8.93e+5	ng/dscm	7%O2	5.23e-3	lbs/hr	CE7%O2
Chloroform	708C2R2	ND	9.06e+5	ng/dscm	7%O2	5.32e-3	lbs/hr	CE7%O2
Chloroform	708C2R3	ND	7.70e+5	ng/dscm	7%O2	5.07e-3	lbs/hr	CE7%O2
Chloroform	708C3R1	ND	7.87e+5	ng/dscm	7%O2	5.52e-3	lbs/hr	CE7%O2
Chloroform	708C3R2	ND	8.13e+5	ng/dscm	7%O2	5.51e-3	lbs/hr	CE7%O2
Chloroform	708C3R3	ND	8.00e+5	ng/dscm	7%O2	5.49e-3	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS ANALYSES

1. COMPANY: CARGILL CHEMICAL PRODUCTS DIVISION

2. STATE: CA

3. CITY: LYNWOOD

EPA ID: CAD076180843

REGION: 9

4. EP ID: 709 DEVICE NAME: HIRT COMBUSTION ENG.

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: NONE

5. Type: UNCONTROLLED

6. Description: EMISSIONS

Process Group: LIQUID INJECTION

Location: STACK

Phase: GAS

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	709C1R1	1.06e-1 gr/dscf 7%O2	9.98e-1 lbs/hr	CE
Particulate	709C1R2	4.80e-2 gr/dscf 7%O2	4.40e-1 lbs/hr	CE
Particulate	709C1R3	3.40e-2 gr/dscf 7%O2	3.07e-1 lbs/hr	CE
Particulate	709C1R4	1.40e-2 gr/dscf 7%O2	1.18e-1 lbs/hr	CE

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	709C1R1	5.69e+0 ppmv 7%O2	2.71e-2 lbs/hr	CE7%O2
CO	709C1R2	4.53e+0 ppmv 7%O2	2.10e-2 lbs/hr	CE7%O2
CO	709C1R3	4.74e+0 ppmv 7%O2	2.17e-2 lbs/hr	CE7%O2
CO	709C1R4	7.14e+0 ppmv 7%O2	3.04e-2 lbs/hr	CE7%O2
CO(MHRA)	709C1R1	8.30e+0 ppmv 7%O2	3.96e-2 lbs/hr	CE
CO(MHRA)	709C1R2	6.21e+0 ppmv 7%O2	2.89e-2 lbs/hr	CE
CO(MHRA)	709C1R3	7.85e+0 ppmv 7%O2	3.60e-2 lbs/hr	CE
CO(MHRA)	709C1R4	7.67e+0 ppmv 7%O2	3.27e-2 lbs/hr	CE
THC	709C1R1	2.46e+0 ppmv 7%O2	1.84e-2 lbs/hr	CE7%O2
THC	709C1R2	1.02e+0 ppmv 7%O2	7.44e-3 lbs/hr	CE7%O2
THC	709C1R3	1.54e+0 ppmv 7%O2	1.11e-2 lbs/hr	CE7%O2
THC	709C1R4	9.86e-1 ppmv 7%O2	6.60e-3 lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,1,1-Trichloroethane	709C1R1	4.31e+3 ng/dscm 7%O2	1.77e-5 lbs/hr	CC7%O2
1,1,1-Trichloroethane	709C1R2	1.26e+3 ng/dscm 7%O2	5.05e-6 lbs/hr	CC7%O2
1,1,1-Trichloroethane	709C1R3	1.84e+3 ng/dscm 7%O2	7.27e-6 lbs/hr	CC7%O2
Benzene	709C1R1	2.32e+3 ng/dscm 7%O2	9.52e-6 lbs/hr	CC7%O2
Benzene	709C1R2	4.00e+3 ng/dscm 7%O2	1.60e-5 lbs/hr	CC7%O2
Benzene	709C1R3	3.20e+2 ng/dscm 7%O2	1.26e-6 lbs/hr	CC7%O2
Carbon Tetrachloride	709C1R1	1.43e+3 ng/dscm 7%O2	5.89e-6 lbs/hr	CC7%O2
Carbon Tetrachloride	709C1R2	2.26e+3 ng/dscm 7%O2	9.05e-6 lbs/hr	CC7%O2
Carbon Tetrachloride	709C1R3	8.95e+3 ng/dscm 7%O2	3.53e-5 lbs/hr	CC7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS 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

5. Type: CONTROLLED

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

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Chlorine	329C1R1	ND 3.85e-1 ppmv 7%O2	1.06e-1 lbs/hr	CC7%O2
Chlorine	329C1R2	ND 3.72e-1 ppmv 7%O2	1.06e-1 lbs/hr	CC7%O2
Chlorine	329C1R3	ND 3.62e-1 ppmv 7%O2	1.06e-1 lbs/hr	CC7%O2
Chlorine	329C1R4	ND 3.49e-1 ppmv 7%O2	1.06e-1 lbs/hr	CC7%O2
Chlorine	329C1R6	ND 2.70e-1 ppmv 7%O2	8.00e-2 lbs/hr	CC7%O2
Chlorine	329C1R8	ND 2.87e-1 ppmv 7%O2	8.00e-2 lbs/hr	CC7%O2
HCl	329C1R1	8.29e+0 ppmv 7%O2	1.17e+0 lbs/hr	CC7%O2
HCl	329C1R2	1.08e+1 ppmv 7%O2	1.57e+0 lbs/hr	CC7%O2
HCl	329C1R3	3.71e+0 ppmv 7%O2	5.57e-1 lbs/hr	CC7%O2
HCl	329C1R4	2.52e+0 ppmv 7%O2	3.93e-1 lbs/hr	CC7%O2
HCl	329C1R6	1.48e+1 ppmv 7%O2	2.26e+0 lbs/hr	CC7%O2
HCl	329C1R8	5.75e+0 ppmv 7%O2	8.23e-1 lbs/hr	CC7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	329C1R1	3.68e-2 gr/dscf 7%O2	7.88e+0 lbs/hr	CE
Particulate	329C1R2	3.36e-2 gr/dscf 7%O2	7.44e+0 lbs/hr	CE
Particulate	329C1R3	2.67e-2 gr/dscf 7%O2	6.08e+0 lbs/hr	CE
Particulate	329C1R4	2.73e-2 gr/dscf 7%O2	6.45e+0 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2,3-Trichlorobenzene	329C1R1	ND 7.22e+2 ng/dscm 7%O2	6.75e-5 lbs/hr	CC7%O2
1,2,3-Trichlorobenzene	329C1R2	ND 6.71e+2 ng/dscm 7%O2	6.48e-5 lbs/hr	CC7%O2
1,2,3-Trichlorobenzene	329C1R3	ND 6.53e+2 ng/dscm 7%O2	6.48e-5 lbs/hr	CC7%O2
1,2,3-Trichlorobenzene	329C1R4	ND 6.16e+2 ng/dscm 7%O2	6.35e-5 lbs/hr	CC7%O2
1-Phenylethanone	329C1R1	1.09e+3 ng/dscm 7%O2	1.02e-4 lbs/hr	CE7%O2
1-Phenylethanone	329C1R2	9.84e+3 ng/dscm 7%O2	9.53e-4 lbs/hr	CE7%O2
1-Phenylethanone	329C1R3	6.03e+3 ng/dscm 7%O2	6.00e-4 lbs/hr	CE7%O2
1-Phenylethanone	329C1R4	4.03e+3 ng/dscm 7%O2	4.16e-4 lbs/hr	CE7%O2
Benzonitrile	329C1R1	2.53e+3 ng/dscm 7%O2	2.36e-4 lbs/hr	CE7%O2
Benzonitrile	329C1R2	1.90e+3 ng/dscm 7%O2	1.84e-4 lbs/hr	CE7%O2
Benzonitrile	329C1R3	5.51e+3 ng/dscm 7%O2	5.48e-4 lbs/hr	CE7%O2
Benzonitrile	329C1R4	1.64e+3 ng/dscm 7%O2	1.70e-4 lbs/hr	CE7%O2
Bromoform	329C1R1	1.93e+4 ng/dscm 7%O2	1.81e-3 lbs/hr	CE7%O2
Bromoform	329C1R2	4.67e+3 ng/dscm 7%O2	4.52e-4 lbs/hr	CE7%O2
Decalin	329C1R1	9.87e+3 ng/dscm 7%O2	9.23e-4 lbs/hr	CE7%O2
Decalin	329C1R3	1.04e+5 ng/dscm 7%O2	1.04e-2 lbs/hr	CE7%O2
Decalin	329C1R4	1.36e+5 ng/dscm 7%O2	1.40e-2 lbs/hr	CE7%O2

7. Category: THC & CO

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
CO	329C1R1	1.20e+1 ppmv 7%O2	1.30e+0 lbs/hr	CE7%O2
CO	329C1R2	9.78e+0 ppmv 7%O2	1.10e+0 lbs/hr	CE7%O2
CO	329C1R3	8.78e+0 ppmv 7%O2	1.01e+0 lbs/hr	CE7%O2
CO	329C1R4	8.34e+0 ppmv 7%O2	9.98e-1 lbs/hr	CE7%O2
CO	329C1R6	9.53e+0 ppmv 7%O2	1.12e+0 lbs/hr	CE7%O2
CO	329C1R8	1.40e+1 ppmv 7%O2	1.54e+0 lbs/hr	CE7%O2
THC	329C1R1	2.50e+0 ppmv 7%O2	4.27e-1 lbs/hr	CE7%O2
THC	329C1R2	2.44e+0 ppmv 7%O2	4.32e-1 lbs/hr	CE7%O2

SECTION 7: EMISSIONS 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

THC	329C1R3	3.11e+0	ppmv 7%O2	5.65e-1	lbs/hr	CE7%O2
THC	329C1R4	3.67e+0	ppmv 7%O2	6.90e-1	lbs/hr	CE7%O2
THC	329C1R6	1.49e+0	ppmv 7%O2	2.75e-1	lbs/hr	CE7%O2
THC	329C1R8	2.03e+0	ppmv 7%O2	3.51e-1	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
1,2-Dichloroethene	329C1R4	1.99e+4 ng/dscm 7%O2	2.06e-3 lbs/hr	CE7%O2
1,3-Dimethoxypropane	329C1R1	1.01e+4 ng/dscm 7%O2	9.43e-4 lbs/hr	CE7%O2
2-Methyldecalin	329C1R1	6.47e+3 ng/dscm 7%O2	6.05e-4 lbs/hr	CE7%O2
Bromodichloromethane	329C1R2	3.90e+3 ng/dscm 7%O2	3.77e-4 lbs/hr	CE7%O2
Carbon Tetrachloride	329C1R1	3.48e+4 ng/dscm 7%O2	3.25e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	329C1R2	ND 1.11e+4 ng/dscm 7%O2	1.07e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	329C1R3	ND 6.53e+3 ng/dscm 7%O2	6.48e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	329C1R4	9.50e+3 ng/dscm 7%O2	9.79e-4 lbs/hr	CC7%O2
Carbon Tetrachloride	329C1R6	1.96e+4 ng/dscm 7%O2	1.97e-3 lbs/hr	CC7%O2
Carbon Tetrachloride	329C1R8	1.51e+4 ng/dscm 7%O2	1.43e-3 lbs/hr	CC7%O2
Chloroform	329C1R1	7.94e+3 ng/dscm 7%O2	7.43e-4 lbs/hr	CE7%O2
Chloroform	329C1R2	7.08e+3 ng/dscm 7%O2	6.85e-4 lbs/hr	CE7%O2
Hexamethylcyclotrisiloxane	329C1R1	6.47e+3 ng/dscm 7%O2	6.05e-4 lbs/hr	CE7%O2
Hexamethylcyclotrisiloxane	329C1R2	2.98e+3 ng/dscm 7%O2	2.88e-4 lbs/hr	CE7%O2
Hexamethylcyclotrisiloxane	329C1R3	1.71e+3 ng/dscm 7%O2	1.70e-4 lbs/hr	CE7%O2
Methyldecalin	329C1R3	5.57e+4 ng/dscm 7%O2	5.54e-3 lbs/hr	CE7%O2
Methyldecalin	329C1R4	5.74e+4 ng/dscm 7%O2	5.92e-3 lbs/hr	CE7%O2
Methylene Chloride	329C1R2	2.41e+3 ng/dscm 7%O2	2.33e-4 lbs/hr	CE7%O2
Octamethylcyclotetrasiloxane	329C1R2	2.51e+3 ng/dscm 7%O2	2.43e-4 lbs/hr	CE7%O2
Tetrachloroethene	329C1R1	ND 1.52e+4 ng/dscm 7%O2	1.42e-3 lbs/hr	CC7%O2
Tetrachloroethene	329C1R2	ND 4.11e+3 ng/dscm 7%O2	3.97e-4 lbs/hr	CC7%O2
Tetrachloroethene	329C1R3	ND 2.40e+3 ng/dscm 7%O2	2.38e-4 lbs/hr	CC7%O2
Tetrachloroethene	329C1R4	ND 3.60e+3 ng/dscm 7%O2	3.70e-4 lbs/hr	CC7%O2
Trimethylnaphthalene	329C1R4	6.68e+3 ng/dscm 7%O2	6.89e-4 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS 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

5. Type: CONTROLLED

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

7. Category: Dioxin & Furan

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc
4D 2378	500C1R1	ND	7.95e-3 ng/dscm 7%O2	1.01e-9 lbs/hr	CE7%O2
4D 2378	500C1R2	ND	9.44e-3 ng/dscm 7%O2	1.25e-9 lbs/hr	CE7%O2
4D 2378	500C1R4	ND	8.42e-3 ng/dscm 7%O2	9.06e-10 lbs/hr	CE7%O2
4D 2378	500C3R1	ND	1.16e-2 ng/dscm 7%O2	1.23e-9 lbs/hr	CE7%O2
4D 2378	500C3R2	ND	1.69e-2 ng/dscm 7%O2	1.47e-9 lbs/hr	CE7%O2
4D 2378	500C3R3	ND	1.11e-2 ng/dscm 7%O2	1.11e-9 lbs/hr	CE7%O2
4D Other	500C1R1		2.39e-3 ng/dscm 7%O2	3.04e-10 lbs/hr	OCE
4D Other	500C1R2		7.87e-4 ng/dscm 7%O2	1.04e-10 lbs/hr	OCE
4D Other	500C1R4		0.00e+0	0.00e+0	OCE
4D Other	500C3R1		3.09e-3 ng/dscm 7%O2	3.29e-10 lbs/hr	OCE
4D Other	500C3R2		0.00e+0	0.00e+0	OCE
4D Other	500C3R3		3.16e-3 ng/dscm 7%O2	3.16e-10 lbs/hr	OCE
4D Total	500C1R1	ND	1.03e-2 ng/dscm 7%O2	1.32e-9 lbs/hr	CE7%O2
4D Total	500C1R2	ND	1.02e-2 ng/dscm 7%O2	1.35e-9 lbs/hr	CE7%O2
4D Total	500C1R4	ND	8.42e-3 ng/dscm 7%O2	9.06e-10 lbs/hr	CE7%O2
4D Total	500C3R1	ND	1.47e-2 ng/dscm 7%O2	1.56e-9 lbs/hr	CE7%O2
4D Total	500C3R2	ND	1.69e-2 ng/dscm 7%O2	1.47e-9 lbs/hr	CE7%O2
4D Total	500C3R3	ND	1.42e-2 ng/dscm 7%O2	1.42e-9 lbs/hr	CE7%O2
4F 2378	500C1R1	ND	3.98e-3 ng/dscm 7%O2	5.07e-10 lbs/hr	CE7%O2
4F 2378	500C1R2	ND	1.65e-2 ng/dscm 7%O2	2.18e-9 lbs/hr	CE7%O2
4F 2378	500C1R4	ND	3.83e-3 ng/dscm 7%O2	4.12e-10 lbs/hr	CE7%O2
4F 2378	500C3R1	ND	5.41e-3 ng/dscm 7%O2	5.76e-10 lbs/hr	CE7%O2
4F 2378	500C3R2	ND	6.44e-3 ng/dscm 7%O2	5.61e-10 lbs/hr	CE7%O2
4F 2378	500C3R3	ND	3.16e-3 ng/dscm 7%O2	3.16e-10 lbs/hr	CE7%O2
4F Other	500C1R1		0.00e+0	0.00e+0	OCE
4F Other	500C1R2		0.00e+0	0.00e+0	OCE
4F Other	500C1R4		0.00e+0	0.00e+0	OCE
4F Other	500C3R1		0.00e+0	0.00e+0	OCE
4F Other	500C3R2		-8.05e-4 ng/dscm 7%O2	-7.02e-11 lbs/hr	OCE
4F Other	500C3R3		0.00e+0	0.00e+0	OCE
4F Total	500C1R1	ND	3.98e-3 ng/dscm 7%O2	5.07e-10 lbs/hr	CE7%O2
4F Total	500C1R2	ND	1.65e-2 ng/dscm 7%O2	2.18e-9 lbs/hr	CE7%O2
4F Total	500C1R4	ND	3.83e-3 ng/dscm 7%O2	4.12e-10 lbs/hr	CE7%O2
4F Total	500C3R1	ND	5.41e-3 ng/dscm 7%O2	5.76e-10 lbs/hr	CE7%O2
4F Total	500C3R2	ND	5.63e-3 ng/dscm 7%O2	4.91e-10 lbs/hr	CE7%O2
4F Total	500C3R3	ND	3.16e-3 ng/dscm 7%O2	3.16e-10 lbs/hr	CE7%O2
5D 12378	500C1R1	ND	2.23e-2 ng/dscm 7%O2	2.84e-9 lbs/hr	CE7%O2
5D 12378	500C1R2	ND	1.10e-2 ng/dscm 7%O2	1.45e-9 lbs/hr	CE7%O2
5D 12378	500C1R4	ND	1.38e-2 ng/dscm 7%O2	1.48e-9 lbs/hr	CE7%O2
5D 12378	500C3R1	ND	3.56e-2 ng/dscm 7%O2	3.78e-9 lbs/hr	CE7%O2
5D 12378	500C3R2	ND	2.01e-2 ng/dscm 7%O2	1.75e-9 lbs/hr	CE7%O2
5D 12378	500C3R3	ND	2.21e-2 ng/dscm 7%O2	2.22e-9 lbs/hr	CE7%O2
5D Other	500C1R1		0.00e+0	0.00e+0	OCE
5D Other	500C1R2		-7.87e-4 ng/dscm 7%O2	-1.04e-10 lbs/hr	OCE
5D Other	500C1R4		0.00e+0	0.00e+0	OCE
5D Other	500C3R1		-1.39e-2 ng/dscm 7%O2	-1.48e-9 lbs/hr	OCE
5D Other	500C3R2		0.00e+0	0.00e+0	OCE
5D Other	500C3R3		0.00e+0	0.00e+0	OCE
5D Total	500C1R1	ND	2.23e-2 ng/dscm 7%O2	2.84e-9 lbs/hr	CE7%O2
5D Total	500C1R2	ND	1.02e-2 ng/dscm 7%O2	1.35e-9 lbs/hr	CE7%O2
5D Total	500C1R4	ND	1.38e-2 ng/dscm 7%O2	1.48e-9 lbs/hr	CE7%O2
5D Total	500C3R1	ND	2.17e-2 ng/dscm 7%O2	2.30e-9 lbs/hr	CE7%O2
5D Total	500C3R2	ND	2.01e-2 ng/dscm 7%O2	1.75e-9 lbs/hr	CE7%O2
5D Total	500C3R3	ND	2.21e-2 ng/dscm 7%O2	2.22e-9 lbs/hr	CE7%O2
5F 12378	500C1R1	ND	1.03e-2 ng/dscm 7%O2	1.32e-9 lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS 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

5F 12378	500C1R2	ND	1.26e-2	ng/dscm	7%O2	1.66e-9	lbs/hr	CE7%O2
5F 12378	500C1R4	ND	7.65e-3	ng/dscm	7%O2	8.24e-10	lbs/hr	CE7%O2
5F 12378	500C3R1	ND	1.31e-2	ng/dscm	7%O2	1.40e-9	lbs/hr	CE7%O2
5F 12378	500C3R2	ND	1.61e-2	ng/dscm	7%O2	1.40e-9	lbs/hr	CE7%O2
5F 12378	500C3R3	ND	1.82e-2	ng/dscm	7%O2	1.82e-9	lbs/hr	CE7%O2
5F 23478	500C1R1	ND	7.95e-3	ng/dscm	7%O2	1.01e-9	lbs/hr	CE7%O2
5F 23478	500C1R2	ND	9.44e-3	ng/dscm	7%O2	1.25e-9	lbs/hr	CE7%O2
5F 23478	500C1R4	ND	1.30e-2	ng/dscm	7%O2	1.40e-9	lbs/hr	CE7%O2
5F 23478	500C3R1	ND	8.51e-3	ng/dscm	7%O2	9.05e-10	lbs/hr	CE7%O2
5F 23478	500C3R2	ND	6.44e-3	ng/dscm	7%O2	5.61e-10	lbs/hr	CE7%O2
5F 23478	500C3R3	ND	1.03e-2	ng/dscm	7%O2	1.03e-9	lbs/hr	CE7%O2
5F Other	500C1R1		-7.95e-3	ng/dscm	7%O2	-1.01e-9	lbs/hr	OCE
5F Other	500C1R2		-1.34e-2	ng/dscm	7%O2	-1.77e-9	lbs/hr	OCE
5F Other	500C1R4		-7.65e-3	ng/dscm	7%O2	-8.24e-10	lbs/hr	OCE
5F Other	500C3R1		-1.16e-2	ng/dscm	7%O2	-1.23e-9	lbs/hr	OCE
5F Other	500C3R2		-9.66e-3	ng/dscm	7%O2	-8.42e-10	lbs/hr	OCE
5F Other	500C3R3		-1.03e-2	ng/dscm	7%O2	-1.03e-9	lbs/hr	OCE
5F Total	500C1R1	ND	1.03e-2	ng/dscm	7%O2	1.32e-9	lbs/hr	CE7%O2
5F Total	500C1R2	ND	8.65e-3	ng/dscm	7%O2	1.14e-9	lbs/hr	CE7%O2
5F Total	500C1R4	ND	1.30e-2	ng/dscm	7%O2	1.40e-9	lbs/hr	CE7%O2
5F Total	500C3R1	ND	1.01e-2	ng/dscm	7%O2	1.07e-9	lbs/hr	CE7%O2
5F Total	500C3R2	ND	1.29e-2	ng/dscm	7%O2	1.12e-9	lbs/hr	CE7%O2
5F Total	500C3R3	ND	1.82e-2	ng/dscm	7%O2	1.82e-9	lbs/hr	CE7%O2
6D 123478	500C1R1	ND	1.03e-2	ng/dscm	7%O2	1.32e-9	lbs/hr	CE7%O2
6D 123478	500C1R2	ND	1.49e-2	ng/dscm	7%O2	1.97e-9	lbs/hr	CE7%O2
6D 123478	500C1R4	ND	1.76e-2	ng/dscm	7%O2	1.89e-9	lbs/hr	CE7%O2
6D 123478	500C3R1	ND	1.39e-2	ng/dscm	7%O2	1.48e-9	lbs/hr	CE7%O2
6D 123478	500C3R2	ND	3.46e-2	ng/dscm	7%O2	3.02e-9	lbs/hr	CE7%O2
6D 123478	500C3R3	ND	1.50e-2	ng/dscm	7%O2	1.50e-9	lbs/hr	CE7%O2
6D 123678	500C1R1	ND	2.94e-2	ng/dscm	7%O2	3.75e-9	lbs/hr	CE7%O2
6D 123678	500C1R2	ND	2.12e-2	ng/dscm	7%O2	2.80e-9	lbs/hr	CE7%O2
6D 123678	500C1R4	ND	2.45e-2	ng/dscm	7%O2	2.64e-9	lbs/hr	CE7%O2
6D 123678	500C3R1	ND	2.86e-2	ng/dscm	7%O2	3.04e-9	lbs/hr	CE7%O2
6D 123678	500C3R2	ND	4.75e-2	ng/dscm	7%O2	4.14e-9	lbs/hr	CE7%O2
6D 123678	500C3R3	ND	2.06e-2	ng/dscm	7%O2	2.06e-9	lbs/hr	CE7%O2
6D 123789	500C1R1	ND	8.75e-3	ng/dscm	7%O2	1.12e-9	lbs/hr	CE7%O2
6D 123789	500C1R2	ND	1.26e-2	ng/dscm	7%O2	1.66e-9	lbs/hr	CE7%O2
6D 123789	500C1R4	ND	1.38e-2	ng/dscm	7%O2	1.48e-9	lbs/hr	CE7%O2
6D 123789	500C3R1	ND	6.96e-3	ng/dscm	7%O2	7.40e-10	lbs/hr	CE7%O2
6D 123789	500C3R2	ND	3.62e-2	ng/dscm	7%O2	3.16e-9	lbs/hr	CE7%O2
6D 123789	500C3R3	ND	1.19e-2	ng/dscm	7%O2	1.19e-9	lbs/hr	CE7%O2
6D Other	500C1R1		-3.98e-2	ng/dscm	7%O2	-5.07e-9	lbs/hr	OCE
6D Other	500C1R2		-3.62e-2	ng/dscm	7%O2	-4.78e-9	lbs/hr	OCE
6D Other	500C1R4		-4.21e-2	ng/dscm	7%O2	-4.53e-9	lbs/hr	OCE
6D Other	500C3R1		-3.87e-2	ng/dscm	7%O2	-4.11e-9	lbs/hr	OCE
6D Other	500C3R2		-8.21e-2	ng/dscm	7%O2	-7.16e-9	lbs/hr	OCE
6D Other	500C3R3		-3.56e-2	ng/dscm	7%O2	-3.56e-9	lbs/hr	OCE
6D Total	500C1R1	ND	8.75e-3	ng/dscm	7%O2	1.12e-9	lbs/hr	CE7%O2
6D Total	500C1R2	ND	1.26e-2	ng/dscm	7%O2	1.66e-9	lbs/hr	CE7%O2
6D Total	500C1R4	ND	1.38e-2	ng/dscm	7%O2	1.48e-9	lbs/hr	CE7%O2
6D Total	500C3R1	ND	1.08e-2	ng/dscm	7%O2	1.15e-9	lbs/hr	CE7%O2
6D Total	500C3R2	ND	3.62e-2	ng/dscm	7%O2	3.16e-9	lbs/hr	CE7%O2
6D Total	500C3R3	ND	1.19e-2	ng/dscm	7%O2	1.19e-9	lbs/hr	CE7%O2
6F 123478	500C1R1	ND	6.36e-3	ng/dscm	7%O2	8.11e-10	lbs/hr	CE7%O2
6F 123478	500C1R2	ND	7.08e-3	ng/dscm	7%O2	9.35e-10	lbs/hr	CE7%O2
6F 123478	500C1R4	ND	6.12e-3	ng/dscm	7%O2	6.59e-10	lbs/hr	CE7%O2
6F 123478	500C3R1	ND	1.01e-2	ng/dscm	7%O2	1.07e-9	lbs/hr	CE7%O2
6F 123478	500C3R2	ND	8.05e-3	ng/dscm	7%O2	7.02e-10	lbs/hr	CE7%O2
6F 123478	500C3R3	ND	1.03e-2	ng/dscm	7%O2	1.03e-9	lbs/hr	CE7%O2
6F 123678	500C1R1	ND	6.36e-3	ng/dscm	7%O2	8.11e-10	lbs/hr	CE7%O2
6F 123678	500C1R2	ND	7.87e-3	ng/dscm	7%O2	1.04e-9	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS 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

6F 123678	500C1R4	ND	4.59e-3	ng/dscm	7%O2	4.94e-10	lbs/hr	CE7%O2
6F 123678	500C3R1	ND	1.55e-2	ng/dscm	7%O2	1.65e-9	lbs/hr	CE7%O2
6F 123678	500C3R2	ND	5.63e-3	ng/dscm	7%O2	4.91e-10	lbs/hr	CE7%O2
6F 123678	500C3R3	ND	7.91e-3	ng/dscm	7%O2	7.91e-10	lbs/hr	CE7%O2
6F 123789	500C1R1	ND	6.36e-3	ng/dscm	7%O2	8.11e-10	lbs/hr	CE7%O2
6F 123789	500C1R2	ND	4.72e-3	ng/dscm	7%O2	6.23e-10	lbs/hr	CE7%O2
6F 123789	500C1R4	ND	3.83e-3	ng/dscm	7%O2	4.12e-10	lbs/hr	CE7%O2
6F 123789	500C3R1	ND	7.73e-3	ng/dscm	7%O2	8.23e-10	lbs/hr	CE7%O2
6F 123789	500C3R2	ND	6.44e-3	ng/dscm	7%O2	5.61e-10	lbs/hr	CE7%O2
6F 123789	500C3R3	ND	9.49e-3	ng/dscm	7%O2	9.49e-10	lbs/hr	CE7%O2
6F 234678	500C1R1	ND	3.98e-3	ng/dscm	7%O2	5.07e-10	lbs/hr	CE7%O2
6F 234678	500C1R2		5.51e-3	ng/dscm	7%O2	7.27e-10	lbs/hr	CE7%O2
6F 234678	500C1R4	ND	6.89e-3	ng/dscm	7%O2	7.41e-10	lbs/hr	CE7%O2
6F 234678	500C3R1	ND	6.96e-3	ng/dscm	7%O2	7.40e-10	lbs/hr	CE7%O2
6F 234678	500C3R2	ND	7.24e-3	ng/dscm	7%O2	6.31e-10	lbs/hr	CE7%O2
6F 234678	500C3R3	ND	1.11e-2	ng/dscm	7%O2	1.11e-9	lbs/hr	CE7%O2
6F Other	500C1R1		-1.67e-2	ng/dscm	7%O2	-2.13e-9	lbs/hr	OCE
6F Other	500C1R2		-1.97e-2	ng/dscm	7%O2	-2.60e-9	lbs/hr	OCE
6F Other	500C1R4		-1.53e-2	ng/dscm	7%O2	-1.65e-9	lbs/hr	OCE
6F Other	500C3R1		-3.33e-2	ng/dscm	7%O2	-3.54e-9	lbs/hr	OCE
6F Other	500C3R2		-2.09e-2	ng/dscm	7%O2	-1.82e-9	lbs/hr	OCE
6F Other	500C3R3		-2.93e-2	ng/dscm	7%O2	-2.93e-9	lbs/hr	OCE
6F Total	500C1R1	ND	6.36e-3	ng/dscm	7%O2	8.11e-10	lbs/hr	CE7%O2
6F Total	500C1R2	ND	5.51e-3	ng/dscm	7%O2	7.27e-10	lbs/hr	CE7%O2
6F Total	500C1R4	ND	6.12e-3	ng/dscm	7%O2	6.59e-10	lbs/hr	CE7%O2
6F Total	500C3R1	ND	6.96e-3	ng/dscm	7%O2	7.40e-10	lbs/hr	CE7%O2
6F Total	500C3R2	ND	6.44e-3	ng/dscm	7%O2	5.61e-10	lbs/hr	CE7%O2
6F Total	500C3R3	ND	9.49e-3	ng/dscm	7%O2	9.49e-10	lbs/hr	CE7%O2
7D 1234678	500C1R1	ND	2.31e-2	ng/dscm	7%O2	2.94e-9	lbs/hr	CE7%O2
7D 1234678	500C1R2	ND	3.22e-2	ng/dscm	7%O2	4.26e-9	lbs/hr	CE7%O2
7D 1234678	500C1R4	ND	3.83e-2	ng/dscm	7%O2	4.12e-9	lbs/hr	CE7%O2
7D 1234678	500C3R1	ND	3.48e-2	ng/dscm	7%O2	3.70e-9	lbs/hr	CE7%O2
7D 1234678	500C3R2	ND	1.93e-2	ng/dscm	7%O2	1.68e-9	lbs/hr	CE7%O2
7D 1234678	500C3R3	ND	2.45e-2	ng/dscm	7%O2	2.45e-9	lbs/hr	CE7%O2
7D Other	500C1R1		-5.57e-3	ng/dscm	7%O2	-7.10e-10	lbs/hr	OCE
7D Other	500C1R2		-4.72e-3	ng/dscm	7%O2	-6.23e-10	lbs/hr	OCE
7D Other	500C1R4		0.00e+0			0.00e+0		OCE
7D Other	500C3R1		-8.51e-3	ng/dscm	7%O2	-9.05e-10	lbs/hr	OCE
7D Other	500C3R2		0.00e+0			0.00e+0		OCE
7D Other	500C3R3		0.00e+0			0.00e+0		OCE
7D Total	500C1R1	ND	1.75e-2	ng/dscm	7%O2	2.23e-9	lbs/hr	CE7%O2
7D Total	500C1R2	ND	2.75e-2	ng/dscm	7%O2	3.64e-9	lbs/hr	CE7%O2
7D Total	500C1R4	ND	3.83e-2	ng/dscm	7%O2	4.12e-9	lbs/hr	CE7%O2
7D Total	500C3R1	ND	2.63e-2	ng/dscm	7%O2	2.80e-9	lbs/hr	CE7%O2
7D Total	500C3R2	ND	1.93e-2	ng/dscm	7%O2	1.68e-9	lbs/hr	CE7%O2
7D Total	500C3R3	ND	2.45e-2	ng/dscm	7%O2	2.45e-9	lbs/hr	CE7%O2
7F 1234678	500C1R1	ND	5.57e-3	ng/dscm	7%O2	7.10e-10	lbs/hr	CE7%O2
7F 1234678	500C1R2	ND	9.44e-3	ng/dscm	7%O2	1.25e-9	lbs/hr	CE7%O2
7F 1234678	500C1R4	ND	1.15e-2	ng/dscm	7%O2	1.24e-9	lbs/hr	CE7%O2
7F 1234678	500C3R1	ND	1.62e-2	ng/dscm	7%O2	1.73e-9	lbs/hr	CE7%O2
7F 1234678	500C3R2	ND	1.85e-2	ng/dscm	7%O2	1.61e-9	lbs/hr	CE7%O2
7F 1234678	500C3R3	ND	8.70e-3	ng/dscm	7%O2	8.70e-10	lbs/hr	CE7%O2
7F 1234789	500C1R1	ND	5.57e-3	ng/dscm	7%O2	7.10e-10	lbs/hr	CE7%O2
7F 1234789	500C1R2	ND	1.10e-2	ng/dscm	7%O2	1.45e-9	lbs/hr	CE7%O2
7F 1234789	500C1R4	ND	5.36e-3	ng/dscm	7%O2	5.77e-10	lbs/hr	CE7%O2
7F 1234789	500C3R1	ND	7.73e-3	ng/dscm	7%O2	8.23e-10	lbs/hr	CE7%O2
7F 1234789	500C3R2	ND	8.05e-3	ng/dscm	7%O2	7.02e-10	lbs/hr	CE7%O2
7F 1234789	500C3R3	ND	1.11e-2	ng/dscm	7%O2	1.11e-9	lbs/hr	CE7%O2
7F Other	500C1R1		-5.57e-3	ng/dscm	7%O2	-7.10e-10	lbs/hr	OCE
7F Other	500C1R2		-1.18e-2	ng/dscm	7%O2	-1.56e-9	lbs/hr	OCE
7F Other	500C1R4		-9.18e-3	ng/dscm	7%O2	-9.89e-10	lbs/hr	OCE

US EPA ARCHIVE DOCUMENT



SECTION 7: EMISSIONS 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

7F Other	500C3R1	-1.62e-2	ng/dscm 7%O2	-1.73e-9	lbs/hr	OCE	
7F Other	500C3R2	-2.01e-2	ng/dscm 7%O2	-1.75e-9	lbs/hr	OCE	
7F Other	500C3R3	-1.11e-2	ng/dscm 7%O2	-1.11e-9	lbs/hr	OCE	
7F Total	500C1R1	ND	5.57e-3	ng/dscm 7%O2	7.10e-10	lbs/hr	CE7%O2
7F Total	500C1R2	ND	8.65e-3	ng/dscm 7%O2	1.14e-9	lbs/hr	CE7%O2
7F Total	500C1R4	ND	7.65e-3	ng/dscm 7%O2	8.24e-10	lbs/hr	CE7%O2
7F Total	500C3R1	ND	7.73e-3	ng/dscm 7%O2	8.23e-10	lbs/hr	CE7%O2
7F Total	500C3R2	ND	6.44e-3	ng/dscm 7%O2	5.61e-10	lbs/hr	CE7%O2
7F Total	500C3R3	ND	8.70e-3	ng/dscm 7%O2	8.70e-10	lbs/hr	CE7%O2
8D	500C1R1	ND	2.23e-2	ng/dscm 7%O2	2.84e-9	lbs/hr	CE7%O2
8D	500C1R2	ND	2.44e-2	ng/dscm 7%O2	3.22e-9	lbs/hr	CE7%O2
8D	500C1R4		1.03e-1	ng/dscm 7%O2	1.11e-8	lbs/hr	CE7%O2
8D	500C3R1		1.04e-1	ng/dscm 7%O2	1.10e-8	lbs/hr	CE7%O2
8D	500C3R2	ND	6.36e-2	ng/dscm 7%O2	5.54e-9	lbs/hr	CE7%O2
8D	500C3R3	ND	3.64e-2	ng/dscm 7%O2	3.64e-9	lbs/hr	CE7%O2
8F	500C1R1	ND	1.43e-2	ng/dscm 7%O2	1.83e-9	lbs/hr	CE7%O2
8F	500C1R2		6.92e-2	ng/dscm 7%O2	9.14e-9	lbs/hr	CE7%O2
8F	500C1R4	ND	6.12e-3	ng/dscm 7%O2	6.59e-10	lbs/hr	CE7%O2
8F	500C3R1	ND	2.01e-2	ng/dscm 7%O2	2.14e-9	lbs/hr	CE7%O2
8F	500C3R2	ND	3.06e-2	ng/dscm 7%O2	2.67e-9	lbs/hr	CE7%O2
8F	500C3R3	ND	2.85e-2	ng/dscm 7%O2	2.85e-9	lbs/hr	CE7%O2
TEQ	500C1R1		3.15e-2	ng/dscm 7%O2	4.02e-9	lbs/hr	CCET
TEQ	500C1R2		3.00e-2	ng/dscm 7%O2	3.96e-9	lbs/hr	CCET
TEQ	500C1R4		3.10e-2	ng/dscm 7%O2	3.33e-9	lbs/hr	CCET
TEQ	500C3R1		4.45e-2	ng/dscm 7%O2	4.74e-9	lbs/hr	CCET
TEQ	500C3R2		4.67e-2	ng/dscm 7%O2	4.08e-9	lbs/hr	CCET
TEQ	500C3R3		3.76e-2	ng/dscm 7%O2	3.77e-9	lbs/hr	CCET
Total PCDD/PCDF	500C1R1		1.22e-1	ng/dscm 7%O2	1.55e-8	lbs/hr	CCET
Total PCDD/PCDF	500C1R2		1.93e-1	ng/dscm 7%O2	2.56e-8	lbs/hr	CCET
Total PCDD/PCDF	500C1R4		2.14e-1	ng/dscm 7%O2	2.31e-8	lbs/hr	CCET
Total PCDD/PCDF	500C3R1		2.27e-1	ng/dscm 7%O2	2.42e-8	lbs/hr	CCET
Total PCDD/PCDF	500C3R2		2.18e-1	ng/dscm 7%O2	1.90e-8	lbs/hr	CCET
Total PCDD/PCDF	500C3R3		1.77e-1	ng/dscm 7%O2	1.77e-8	lbs/hr	CCET

7. Category: Halogens

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
Chlorine	500C1R1	1.37e+1	ppmv 7%O2	5.12e+0	lbs/hr	CE7%O2
Chlorine	500C1R2	2.67e-1	ppmv 7%O2	1.04e-1	lbs/hr	CE7%O2
Chlorine	500C1R4	8.56e+0	ppmv 7%O2	2.71e+0	lbs/hr	CE7%O2
Chlorine	500C2R1	8.58e+1	ppmv 7%O2	3.18e+1	lbs/hr	CE7%O2
Chlorine	500C2R2	1.81e+1	ppmv 7%O2	7.28e+0	lbs/hr	CE7%O2
Chlorine	500C2R3	5.75e-1	ppmv 7%O2	2.22e-1	lbs/hr	CE7%O2
Chlorine	500C3R1	8.41e-1	ppmv 7%O2	2.63e-1	lbs/hr	CE7%O2
Chlorine	500C3R2	4.65e-1	ppmv 7%O2	1.19e-1	lbs/hr	CE7%O2
Chlorine	500C3R3	2.96e-1	ppmv 7%O2	8.70e-2	lbs/hr	CE7%O2
HCl	500C1R1	2.39e+1	ppmv 7%O2	4.60e+0	lbs/hr	CC7%O2
HCl	500C1R2	5.01e-1	ppmv 7%O2	1.00e-1	lbs/hr	CC7%O2
HCl	500C1R4	1.72e+1	ppmv 7%O2	2.80e+0	lbs/hr	CC7%O2
HCl	500C2R1	1.72e+2	ppmv 7%O2	3.27e+1	lbs/hr	CC7%O2
HCl	500C2R2	3.64e+1	ppmv 7%O2	7.50e+0	lbs/hr	CC7%O2
HCl	500C2R3	1.01e+0	ppmv 7%O2	2.00e-1	lbs/hr	CC7%O2
HCl	500C3R1	1.87e+0	ppmv 7%O2	3.00e-1	lbs/hr	CC7%O2
HCl	500C3R2	9.11e-1	ppmv 7%O2	1.20e-1	lbs/hr	CC7%O2
HCl	500C3R3	5.96e-1	ppmv 7%O2	9.00e-2	lbs/hr	CC7%O2
HCl	500C4R1	8.55e-1	ppmv 7%O2	8.04e-2	lbs/hr	CC7%O2
HCl	500C4R2	2.04e+0	ppmv 7%O2	1.87e-1	lbs/hr	CC7%O2
HCl	500C4R3	7.56e-1	ppmv 7%O2	6.76e-2	lbs/hr	CC7%O2

SECTION 7: EMISSIONS 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

7. Category: Metals

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Antimony	500C1R1	ND 1.00e+0 ug/dscm 7%O2	1.43e-4 lbs/hr	7%O2
Antimony	500C1R2	ND 1.09e+0 ug/dscm 7%O2	1.59e-4 lbs/hr	7%O2
Antimony	500C1R3	ND 1.14e+0 ug/dscm 7%O2	1.59e-4 lbs/hr	7%O2
Arsenic	500C1R1	1.43e-1 ug/dscm 7%O2	1.99e-5 lbs/hr	7%O2
Arsenic	500C1R2	7.87e-2 ug/dscm 7%O2	1.19e-5 lbs/hr	7%O2
Arsenic	500C1R3	1.85e-1 ug/dscm 7%O2	2.40e-5 lbs/hr	7%O2
Barium	500C1R1	8.59e-1 ug/dscm 7%O2	1.19e-4 lbs/hr	7%O2
Barium	500C1R2	7.71e-1 ug/dscm 7%O2	1.11e-4 lbs/hr	7%O2
Barium	500C1R3	9.15e-1 ug/dscm 7%O2	1.27e-4 lbs/hr	7%O2
Beryllium	500C1R1	8.75e-3 ug/dscm 7%O2	1.19e-6 lbs/hr	7%O2
Beryllium	500C1R2	ND 7.87e-3 ug/dscm 7%O2	1.11e-6 lbs/hr	7%O2
Beryllium	500C1R3	8.46e-3 ug/dscm 7%O2	1.19e-6 lbs/hr	7%O2
Cadmium	500C1R1	9.15e-1 ug/dscm 7%O2	1.35e-4 lbs/hr	7%O2
Cadmium	500C1R2	8.49e-1 ug/dscm 7%O2	1.27e-4 lbs/hr	7%O2
Cadmium	500C1R3	9.00e-1 ug/dscm 7%O2	1.27e-4 lbs/hr	7%O2
Chromium	500C1R1	2.71e+0 ug/dscm 7%O2	3.89e-4 lbs/hr	7%O2
Chromium	500C1R2	2.23e+0 ug/dscm 7%O2	3.26e-4 lbs/hr	7%O2
Chromium	500C1R3	1.97e+0 ug/dscm 7%O2	2.78e-4 lbs/hr	7%O2
Lead	500C1R1	1.93e+0 ug/dscm 7%O2	2.78e-4 lbs/hr	7%O2
Lead	500C1R2	1.54e+0 ug/dscm 7%O2	2.30e-4 lbs/hr	7%O2
Lead	500C1R3	4.59e+0 ug/dscm 7%O2	6.43e-4 lbs/hr	7%O2
Mercury	500C1R1	ND 3.40e+0 ug/dscm 7%O2	4.84e-4 lbs/hr	7%O2
Mercury	500C1R2	ND 2.98e+0 ug/dscm 7%O2	4.37e-4 lbs/hr	7%O2
Mercury	500C1R3	ND 2.25e+0 ug/dscm 7%O2	3.17e-4 lbs/hr	7%O2
Nickel	500C1R1	3.34e+0 ug/dscm 7%O2	4.76e-4 lbs/hr	7%O2
Nickel	500C1R2	2.76e+0 ug/dscm 7%O2	4.05e-4 lbs/hr	7%O2
Nickel	500C1R3	9.85e-1 ug/dscm 7%O2	1.35e-4 lbs/hr	7%O2
Silver	500C1R1	ND 1.32e+0 ug/dscm 7%O2	1.91e-4 lbs/hr	7%O2
Silver	500C1R2	1.94e+0 ug/dscm 7%O2	2.86e-4 lbs/hr	7%O2
Silver	500C1R3	ND 1.51e+0 ug/dscm 7%O2	2.14e-4 lbs/hr	7%O2
Thallium	500C1R1	ND 9.78e-1 ug/dscm 7%O2	1.43e-4 lbs/hr	7%O2
Thallium	500C1R2	ND 1.05e+0 ug/dscm 7%O2	1.59e-4 lbs/hr	7%O2
Thallium	500C1R3	ND 1.12e+0 ug/dscm 7%O2	1.59e-4 lbs/hr	7%O2

7. Category: Particulate

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Particulate	500C1R1	2.80e-3 gr/dscf 7%O2	8.17e-1 lbs/hr	CE
Particulate	500C1R2	1.60e-3 gr/dscf 7%O2	4.84e-1 lbs/hr	CE
Particulate	500C1R3	1.20e-3 gr/dscf 7%O2	3.47e-1 lbs/hr	CE
Particulate	500C2R1	1.70e-3 gr/dscf 7%O2	4.91e-1 lbs/hr	CE
Particulate	500C2R2	5.40e-3 gr/dscf 7%O2	1.69e+0 lbs/hr	CE
Particulate	500C2R3	4.40e-3 gr/dscf 7%O2	1.32e+0 lbs/hr	CE
Particulate	500C3R1	8.00e-4 gr/dscf 7%O2	1.95e-1 lbs/hr	CE
Particulate	500C3R2	9.00e-4 gr/dscf 7%O2	1.80e-1 lbs/hr	CE
Particulate	500C3R3	2.00e-3 gr/dscf 7%O2	4.58e-1 lbs/hr	CE
Particulate	500C4R1	1.75e-5 gr/dscf 7%O2	2.49e-3 lbs/hr	CE
Particulate	500C4R2	1.82e-5 gr/dscf 7%O2	2.53e-3 lbs/hr	CE
Particulate	500C4R3	1.88e-5 gr/dscf 7%O2	2.55e-3 lbs/hr	CE

7. Category: SVOC

Analysis:

8. Substance	9. Run ID	Concentration	Mass Rate	Calc
Ethylbenzene	500C1R1	2.39e+2 ng/dscm 7%O2	3.04e-5 lbs/hr	CE7%O2
Ethylbenzene	500C1R2	1.57e+2 ng/dscm 7%O2	2.08e-5 lbs/hr	CE7%O2

SECTION 7: EMISSIONS 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

Ethylbenzene	500C1R3	1.54e+2	ng/dscm 7%O2	1.94e-5	lbs/hr	CE7%O2
Ethylbenzene	500C2R1	1.58e+2	ng/dscm 7%O2	2.00e-5	lbs/hr	CE7%O2
Ethylbenzene	500C2R2	7.82e+1	ng/dscm 7%O2	1.07e-5	lbs/hr	CE7%O2
Ethylbenzene	500C2R3	7.69e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Ethylbenzene	500C3R1	1.55e+2	ng/dscm 7%O2	1.65e-5	lbs/hr	CE7%O2
Ethylbenzene	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
Ethylbenzene	500C3R3	1.58e+2	ng/dscm 7%O2	1.58e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	500C1R1	1.59e+2	ng/dscm 7%O2	2.03e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	500C1R2	1.57e+2	ng/dscm 7%O2	2.08e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	500C1R3	7.69e+1	ng/dscm 7%O2	9.71e-6	lbs/hr	CE7%O2
p-Dichlorobenzene	500C2R1	1.58e+2	ng/dscm 7%O2	2.00e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	500C2R2	3.91e+1	ng/dscm 7%O2	5.34e-6	lbs/hr	CE7%O2
p-Dichlorobenzene	500C3R1	2.32e+2	ng/dscm 7%O2	2.47e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
p-Dichlorobenzene	500C3R3	1.58e+2	ng/dscm 7%O2	1.58e-5	lbs/hr	CE7%O2

7. Category: VOC

Analysis:

8. Substance	9. Run ID	Concentration		Mass Rate	Calc	
1,1,1-Trichloroethane	500C1R2	7.87e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	CE7%O2
1,1,1-Trichloroethane	500C1R3	7.69e+1	ng/dscm 7%O2	9.71e-6	lbs/hr	CE7%O2
1,1,1-Trichloroethane	500C2R1	3.16e+2	ng/dscm 7%O2	3.99e-5	lbs/hr	CE7%O2
1,1,1-Trichloroethane	500C3R1	2.32e+1	ng/dscm 7%O2	2.47e-6	lbs/hr	CE7%O2
1,1,1-Trichloroethane	500C3R3	7.91e+0	ng/dscm 7%O2	7.91e-7	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	500C1R1	1.59e+1	ng/dscm 7%O2	2.03e-6	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	500C1R2	7.87e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
1,1,2,2-Tetrachloroethane	500C3R3	3.95e+1	ng/dscm 7%O2	3.96e-6	lbs/hr	CE7%O2
1,1,2-Trichloroethane	500C3R2	2.41e+1	ng/dscm 7%O2	2.10e-6	lbs/hr	CE7%O2
1,1,2-Trichloroethane	500C3R3	7.91e+0	ng/dscm 7%O2	7.91e-7	lbs/hr	CE7%O2
1,1-Dichloroethane	500C3R3	3.16e+0	ng/dscm 7%O2	3.16e-7	lbs/hr	CE7%O2
1,1-Dichloroethene	500C2R1	1.58e+1	ng/dscm 7%O2	2.00e-6	lbs/hr	CE7%O2
1,1-Dichloroethene	500C3R1	7.73e+0	ng/dscm 7%O2	8.23e-7	lbs/hr	CE7%O2
1,1-Dichloroethene	500C3R3	3.16e+0	ng/dscm 7%O2	3.16e-7	lbs/hr	CE7%O2
1,2-Dichloroethane	500C1R2	2.36e+1	ng/dscm 7%O2	3.12e-6	lbs/hr	CE7%O2
2-Chloroethyl Vinyl Ether	500C1R1	7.95e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Benzene	500C1R1	2.62e+3	ng/dscm 7%O2	3.35e-4	lbs/hr	CE7%O2
Benzene	500C1R2	4.96e+3	ng/dscm 7%O2	6.54e-4	lbs/hr	CE7%O2
Benzene	500C1R3	4.92e+3	ng/dscm 7%O2	6.21e-4	lbs/hr	CE7%O2
Benzene	500C2R1	5.46e+3	ng/dscm 7%O2	6.89e-4	lbs/hr	CE7%O2
Benzene	500C2R2	6.80e+3	ng/dscm 7%O2	9.28e-4	lbs/hr	CE7%O2
Benzene	500C2R3	5.69e+3	ng/dscm 7%O2	7.46e-4	lbs/hr	CE7%O2
Benzene	500C3R1	7.35e+3	ng/dscm 7%O2	7.81e-4	lbs/hr	CE7%O2
Benzene	500C3R2	8.13e+3	ng/dscm 7%O2	7.09e-4	lbs/hr	CE7%O2
Benzene	500C3R3	7.12e+3	ng/dscm 7%O2	7.12e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C1R1	2.31e+3	ng/dscm 7%O2	2.94e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C1R2	2.20e+3	ng/dscm 7%O2	2.91e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C1R3	3.00e+3	ng/dscm 7%O2	3.79e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C2R1	3.08e+3	ng/dscm 7%O2	3.89e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C2R2	3.60e+3	ng/dscm 7%O2	4.91e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C2R3	3.31e+3	ng/dscm 7%O2	4.33e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C3R1	3.33e+3	ng/dscm 7%O2	3.54e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C3R2	2.17e+3	ng/dscm 7%O2	1.89e-4	lbs/hr	CE7%O2
Bromodichloromethane	500C3R3	2.77e+3	ng/dscm 7%O2	2.77e-4	lbs/hr	CE7%O2
Bromoform	500C1R2	2.36e+1	ng/dscm 7%O2	3.12e-6	lbs/hr	CE7%O2
Bromoform	500C2R2	7.82e+1	ng/dscm 7%O2	1.07e-5	lbs/hr	CE7%O2
Bromoform	500C2R3	7.69e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Bromoform	500C3R1	7.73e+1	ng/dscm 7%O2	8.23e-6	lbs/hr	CE7%O2
Bromoform	500C3R2	8.05e+1	ng/dscm 7%O2	7.02e-6	lbs/hr	CE7%O2
Bromoform	500C3R3	7.91e+1	ng/dscm 7%O2	7.91e-6	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS 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

Bromomethane	500C1R1	7.95e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Bromomethane	500C1R2	5.51e+2	ng/dscm 7%O2	7.27e-5	lbs/hr	CE7%O2
Bromomethane	500C1R3	7.69e+2	ng/dscm 7%O2	9.71e-5	lbs/hr	CE7%O2
Bromomethane	500C2R1	3.95e+2	ng/dscm 7%O2	4.99e-5	lbs/hr	CE7%O2
Bromomethane	500C2R2	1.80e+3	ng/dscm 7%O2	2.45e-4	lbs/hr	CE7%O2
Bromomethane	500C2R3	3.08e+2	ng/dscm 7%O2	4.03e-5	lbs/hr	CE7%O2
Bromomethane	500C3R1	3.09e+2	ng/dscm 7%O2	3.29e-5	lbs/hr	CE7%O2
Bromomethane	500C3R2	5.63e+2	ng/dscm 7%O2	4.91e-5	lbs/hr	CE7%O2
Bromomethane	500C3R3	3.95e+2	ng/dscm 7%O2	3.96e-5	lbs/hr	CE7%O2
Carbon Tetrachloride	500C1R1	2.07e+3	ng/dscm 7%O2	2.64e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C1R2	1.97e+3	ng/dscm 7%O2	2.60e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C1R3	5.85e+3	ng/dscm 7%O2	7.38e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C2R1	1.27e+4	ng/dscm 7%O2	1.60e-3	lbs/hr	CE7%O2
Carbon Tetrachloride	500C2R2	6.18e+3	ng/dscm 7%O2	8.43e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C2R3	3.92e+3	ng/dscm 7%O2	5.14e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C3R1	4.33e+3	ng/dscm 7%O2	4.61e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C3R2	4.59e+3	ng/dscm 7%O2	4.00e-4	lbs/hr	CE7%O2
Carbon Tetrachloride	500C3R3	3.95e+3	ng/dscm 7%O2	3.96e-4	lbs/hr	CE7%O2
Chlorobenzene	500C1R1	7.95e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Chlorobenzene	500C1R2	7.87e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	CE7%O2
Chlorobenzene	500C1R3	7.69e+1	ng/dscm 7%O2	9.71e-6	lbs/hr	CE7%O2
Chlorobenzene	500C2R1	2.37e+2	ng/dscm 7%O2	2.99e-5	lbs/hr	CE7%O2
Chlorobenzene	500C2R2	1.56e+2	ng/dscm 7%O2	2.13e-5	lbs/hr	CE7%O2
Chlorobenzene	500C2R3	1.54e+2	ng/dscm 7%O2	2.02e-5	lbs/hr	CE7%O2
Chlorobenzene	500C3R1	1.55e+2	ng/dscm 7%O2	1.65e-5	lbs/hr	CE7%O2
Chlorobenzene	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
Chlorobenzene	500C3R3	1.58e+2	ng/dscm 7%O2	1.58e-5	lbs/hr	CE7%O2
Chloroethane	500C1R2	1.46e+4	ng/dscm 7%O2	1.92e-3	lbs/hr	CE7%O2
Chloroethane	500C2R1	4.75e+2	ng/dscm 7%O2	5.99e-5	lbs/hr	CE7%O2
Chloroethane	500C3R1	1.55e+2	ng/dscm 7%O2	1.65e-5	lbs/hr	CE7%O2
Chloroethane	500C3R3	3.95e+1	ng/dscm 7%O2	3.96e-6	lbs/hr	CE7%O2
Chloroform	500C1R1	1.25e+4	ng/dscm 7%O2	1.59e-3	lbs/hr	CE7%O2
Chloroform	500C1R2	1.01e+4	ng/dscm 7%O2	1.34e-3	lbs/hr	CE7%O2
Chloroform	500C1R3	9.92e+3	ng/dscm 7%O2	1.25e-3	lbs/hr	CE7%O2
Chloroform	500C2R1	2.18e+4	ng/dscm 7%O2	2.75e-3	lbs/hr	CE7%O2
Chloroform	500C2R2	1.68e+4	ng/dscm 7%O2	2.29e-3	lbs/hr	CE7%O2
Chloroform	500C2R3	1.24e+4	ng/dscm 7%O2	1.62e-3	lbs/hr	CE7%O2
Chloroform	500C3R1	1.47e+4	ng/dscm 7%O2	1.56e-3	lbs/hr	CE7%O2
Chloroform	500C3R2	1.69e+4	ng/dscm 7%O2	1.47e-3	lbs/hr	CE7%O2
Chloroform	500C3R3	1.57e+4	ng/dscm 7%O2	1.57e-3	lbs/hr	CE7%O2
Chloromethane	500C1R1	1.67e+3	ng/dscm 7%O2	2.13e-4	lbs/hr	CE7%O2
Chloromethane	500C1R2	1.81e+3	ng/dscm 7%O2	2.39e-4	lbs/hr	CE7%O2
Chloromethane	500C1R3	1.09e+4	ng/dscm 7%O2	1.38e-3	lbs/hr	CE7%O2
Chloromethane	500C2R1	2.34e+4	ng/dscm 7%O2	2.95e-3	lbs/hr	CE7%O2
Chloromethane	500C2R2	1.16e+4	ng/dscm 7%O2	1.58e-3	lbs/hr	CE7%O2
Chloromethane	500C2R3	8.69e+3	ng/dscm 7%O2	1.14e-3	lbs/hr	CE7%O2
Chloromethane	500C3R1	2.42e+4	ng/dscm 7%O2	2.57e-3	lbs/hr	CE7%O2
Chloromethane	500C3R2	4.18e+3	ng/dscm 7%O2	3.65e-4	lbs/hr	CE7%O2
Chloromethane	500C3R3	1.23e+4	ng/dscm 7%O2	1.23e-3	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C1R1	3.98e+1	ng/dscm 7%O2	5.07e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C1R3	7.69e+1	ng/dscm 7%O2	9.71e-6	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C2R1	1.11e+3	ng/dscm 7%O2	1.40e-4	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C2R2	4.69e+2	ng/dscm 7%O2	6.40e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C2R3	3.08e+2	ng/dscm 7%O2	4.03e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C3R1	3.09e+2	ng/dscm 7%O2	3.29e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C3R2	4.83e+2	ng/dscm 7%O2	4.21e-5	lbs/hr	CE7%O2
cis-1,3-Dichloropropene	500C3R3	5.54e+2	ng/dscm 7%O2	5.54e-5	lbs/hr	CE7%O2
Dibromochloromethane	500C1R1	3.98e+2	ng/dscm 7%O2	5.07e-5	lbs/hr	CE7%O2
Dibromochloromethane	500C1R2	6.29e+2	ng/dscm 7%O2	8.31e-5	lbs/hr	CE7%O2
Dibromochloromethane	500C1R3	8.46e+2	ng/dscm 7%O2	1.07e-4	lbs/hr	CE7%O2
Dibromochloromethane	500C2R2	1.02e+3	ng/dscm 7%O2	1.39e-4	lbs/hr	CE7%O2
Dibromochloromethane	500C2R3	1.08e+3	ng/dscm 7%O2	1.41e-4	lbs/hr	CE7%O2

US EPA ARCHIVE DOCUMENT

SECTION 7: EMISSIONS 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

Dibromochloromethane	500C3R1	1.01e+3	ng/dscm 7%O2	1.07e-4	lbs/hr	CE7%O2
Dibromochloromethane	500C3R2	4.83e+2	ng/dscm 7%O2	4.21e-5	lbs/hr	CE7%O2
Dibromochloromethane	500C3R3	6.33e+2	ng/dscm 7%O2	6.33e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	500C1R1	1.59e+1	ng/dscm 7%O2	2.03e-6	lbs/hr	CE7%O2
m-Dichlorobenzene	500C1R2	7.87e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	500C1R3	2.31e+1	ng/dscm 7%O2	2.91e-6	lbs/hr	CE7%O2
m-Dichlorobenzene	500C2R1	7.91e+1	ng/dscm 7%O2	9.98e-6	lbs/hr	CE7%O2
m-Dichlorobenzene	500C2R2	1.56e+1	ng/dscm 7%O2	2.13e-6	lbs/hr	CE7%O2
m-Dichlorobenzene	500C2R3	7.69e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	500C3R1	1.55e+2	ng/dscm 7%O2	1.65e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
m-Dichlorobenzene	500C3R3	1.58e+2	ng/dscm 7%O2	1.58e-5	lbs/hr	CE7%O2
Methylene Chloride	500C1R1	3.66e+3	ng/dscm 7%O2	4.66e-4	lbs/hr	CE7%O2
Methylene Chloride	500C1R2	4.01e+3	ng/dscm 7%O2	5.30e-4	lbs/hr	CE7%O2
Methylene Chloride	500C1R3	3.69e+3	ng/dscm 7%O2	4.66e-4	lbs/hr	CE7%O2
Methylene Chloride	500C2R1	8.38e+3	ng/dscm 7%O2	1.06e-3	lbs/hr	CE7%O2
Methylene Chloride	500C2R2	5.87e+3	ng/dscm 7%O2	8.00e-4	lbs/hr	CE7%O2
Methylene Chloride	500C2R3	3.69e+3	ng/dscm 7%O2	4.84e-4	lbs/hr	CE7%O2
Methylene Chloride	500C3R1	2.55e+3	ng/dscm 7%O2	2.71e-4	lbs/hr	CE7%O2
Methylene Chloride	500C3R2	3.22e+3	ng/dscm 7%O2	2.81e-4	lbs/hr	CE7%O2
Methylene Chloride	500C3R3	4.03e+3	ng/dscm 7%O2	4.03e-4	lbs/hr	CE7%O2
Methylene Chloride	500C4R1	3.18e+4	ng/dscm 7%O2	1.98e-3	lbs/hr	CC7%O2
Methylene Chloride	500C4R2	4.30e+4	ng/dscm 7%O2	2.61e-3	lbs/hr	CC7%O2
Methylene Chloride	500C4R4	0.00e+0		1.78e-3	lbs/hr	
o-Dichlorobenzene	500C1R2	7.87e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	CE7%O2
o-Dichlorobenzene	500C2R1	7.91e+1	ng/dscm 7%O2	9.98e-6	lbs/hr	CE7%O2
o-Dichlorobenzene	500C2R2	3.91e+1	ng/dscm 7%O2	5.34e-6	lbs/hr	CE7%O2
o-Dichlorobenzene	500C2R3	1.54e+1	ng/dscm 7%O2	2.02e-6	lbs/hr	CE7%O2
o-Dichlorobenzene	500C3R1	3.09e+2	ng/dscm 7%O2	3.29e-5	lbs/hr	CE7%O2
o-Dichlorobenzene	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
o-Dichlorobenzene	500C3R3	1.58e+2	ng/dscm 7%O2	1.58e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C1R1	7.16e+2	ng/dscm 7%O2	9.13e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C1R2	3.93e+2	ng/dscm 7%O2	5.19e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C1R3	3.85e+2	ng/dscm 7%O2	4.85e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C2R1	2.37e+1	ng/dscm 7%O2	2.99e-6	lbs/hr	CE7%O2
Tetrachloroethene	500C2R2	2.35e+2	ng/dscm 7%O2	3.20e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C2R3	1.54e+2	ng/dscm 7%O2	2.02e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C3R1	1.55e+2	ng/dscm 7%O2	1.65e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C3R2	1.61e+2	ng/dscm 7%O2	1.40e-5	lbs/hr	CE7%O2
Tetrachloroethene	500C3R3	1.58e+2	ng/dscm 7%O2	1.58e-5	lbs/hr	CE7%O2
Toluene	500C1R1	1.43e+3	ng/dscm 7%O2	1.83e-4	lbs/hr	CE7%O2
Toluene	500C1R2	1.97e+3	ng/dscm 7%O2	2.60e-4	lbs/hr	CE7%O2
Toluene	500C1R3	3.54e+3	ng/dscm 7%O2	4.47e-4	lbs/hr	CE7%O2
Toluene	500C2R1	1.03e+3	ng/dscm 7%O2	1.30e-4	lbs/hr	CE7%O2
Toluene	500C2R2	6.26e+2	ng/dscm 7%O2	8.54e-5	lbs/hr	CE7%O2
Toluene	500C2R3	5.38e+2	ng/dscm 7%O2	7.05e-5	lbs/hr	CE7%O2
Toluene	500C3R1	4.64e+2	ng/dscm 7%O2	4.94e-5	lbs/hr	CE7%O2
Toluene	500C3R2	6.44e+2	ng/dscm 7%O2	5.61e-5	lbs/hr	CE7%O2
Toluene	500C3R3	6.33e+2	ng/dscm 7%O2	6.33e-5	lbs/hr	CE7%O2
Toluene	500C4R1	7.04e+3	ng/dscm 7%O2	4.38e-4	lbs/hr	CC7%O2
Toluene	500C4R2	7.39e+3	ng/dscm 7%O2	4.48e-4	lbs/hr	CC7%O2
Toluene	500C4R4	0.00e+0		8.41e-4	lbs/hr	
trans-1,2-Dichloroethene	500C2R1	7.91e+1	ng/dscm 7%O2	9.98e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	500C2R2	7.82e+0	ng/dscm 7%O2	1.07e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	500C3R1	7.73e+0	ng/dscm 7%O2	8.23e-7	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	500C3R2	2.41e+1	ng/dscm 7%O2	2.10e-6	lbs/hr	CE7%O2
trans-1,2-Dichloroethene	500C3R3	2.37e+1	ng/dscm 7%O2	2.37e-6	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	500C2R1	9.49e+2	ng/dscm 7%O2	1.20e-4	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	500C2R2	3.91e+2	ng/dscm 7%O2	5.34e-5	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	500C2R3	2.31e+2	ng/dscm 7%O2	3.02e-5	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	500C3R1	2.32e+2	ng/dscm 7%O2	2.47e-5	lbs/hr	CE7%O2
trans-1,3-Dichloropropene	500C3R2	4.02e+2	ng/dscm 7%O2	3.51e-5	lbs/hr	CE7%O2

SECTION 7: EMISSIONS 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

trans-1,3-Dichloropropene	500C3R3	3.95e+2	ng/dscm 7%O2	3.96e-5	lbs/hr	CE7%O2
Trichloroethene	500C1R1	7.95e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Trichloroethene	500C1R2	7.87e+1	ng/dscm 7%O2	1.04e-5	lbs/hr	CE7%O2
Trichloroethene	500C1R3	7.69e+1	ng/dscm 7%O2	9.71e-6	lbs/hr	CE7%O2
Trichloroethene	500C2R1	1.58e+2	ng/dscm 7%O2	2.00e-5	lbs/hr	CE7%O2
Trichloroethene	500C2R2	7.82e+1	ng/dscm 7%O2	1.07e-5	lbs/hr	CE7%O2
Trichloroethene	500C2R3	7.69e+1	ng/dscm 7%O2	1.01e-5	lbs/hr	CE7%O2
Trichloroethene	500C3R1	7.73e+1	ng/dscm 7%O2	8.23e-6	lbs/hr	CE7%O2
Trichloroethene	500C3R2	8.05e+1	ng/dscm 7%O2	7.02e-6	lbs/hr	CE7%O2
Trichloroethene	500C3R3	7.91e+1	ng/dscm 7%O2	7.91e-6	lbs/hr	CE7%O2
Trichlorofluoromethane	500C1R1	2.31e+3	ng/dscm 7%O2	2.94e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C1R2	1.81e+3	ng/dscm 7%O2	2.39e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C1R3	1.08e+3	ng/dscm 7%O2	1.36e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C2R1	3.56e+3	ng/dscm 7%O2	4.49e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C2R2	4.54e+3	ng/dscm 7%O2	6.19e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C2R3	4.69e+3	ng/dscm 7%O2	6.15e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C3R1	1.70e+3	ng/dscm 7%O2	1.81e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C3R2	1.37e+3	ng/dscm 7%O2	1.19e-4	lbs/hr	CE7%O2
Trichlorofluoromethane	500C3R3	1.42e+3	ng/dscm 7%O2	1.42e-4	lbs/hr	CE7%O2
Vinyl Chloride	500C1R3	1.54e+2	ng/dscm 7%O2	1.94e-5	lbs/hr	CE7%O2
Vinyl Chloride	500C2R1	8.70e+2	ng/dscm 7%O2	1.10e-4	lbs/hr	CE7%O2
Vinyl Chloride	500C2R2	3.13e+2	ng/dscm 7%O2	4.27e-5	lbs/hr	CE7%O2
Vinyl Chloride	500C2R3	2.31e+2	ng/dscm 7%O2	3.02e-5	lbs/hr	CE7%O2
Vinyl Chloride	500C3R1	2.32e+2	ng/dscm 7%O2	2.47e-5	lbs/hr	CE7%O2
Vinyl Chloride	500C3R2	3.22e+2	ng/dscm 7%O2	2.81e-5	lbs/hr	CE7%O2
Vinyl Chloride	500C3R3	3.95e+2	ng/dscm 7%O2	3.96e-5	lbs/hr	CE7%O2

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