

US EPA ARCHIVE DOCUMENT

|    | B                                    | C                                  |
|----|--------------------------------------|------------------------------------|
| 1  | <b>Source Description</b>            |                                    |
| 2  |                                      |                                    |
| 3  | Phase I ID No.                       | 707                                |
| 4  | EPA ID No.                           | TXD008079212                       |
| 5  | Facility Name                        | Dupont                             |
| 6  | Facility Location                    |                                    |
| 7  | City                                 | LaPorte                            |
| 8  | State                                | TX                                 |
| 9  | Unit ID Name/No.                     | Central Scrubbed Incinerator (CSI) |
| 10 | Other Sister Facilities              |                                    |
| 11 | Number of Sister Facilities          | 0                                  |
| 12 | Combustor Class                      | Onsite incinerator                 |
| 13 | Combustor Type                       | Liquid injection incinerator       |
| 14 | Combustor Characteristics            | McGill Environmental               |
| 15 | Capacity (MMBtu/hr)                  |                                    |
| 16 | Soot Blowing                         |                                    |
| 17 | APCS Detailed Acronym                | SC/ABS/Q                           |
| 18 | APCS General Class                   | LEWS,WQ                            |
| 19 | APCS Characteristics                 | Scrubber, absorber, quench         |
| 20 | Hazardous Wastes                     | Liq                                |
| 21 | Haz Waste Description                |                                    |
| 22 | Supplemental Fuel                    | Natural gas                        |
| 23 |                                      |                                    |
| 24 | Stack Characteristics                |                                    |
| 25 | Diameter (ft)                        | 2.71                               |
| 26 | Height (ft)                          | 105.0                              |
| 27 | Gas Velocity (ft/sec)                | 16.1                               |
| 28 | Gas Temperature (°F)                 | 180                                |
| 29 |                                      |                                    |
| 30 | Permitting Status                    | Tier I metals                      |
| 31 | HWC Burn Status (Date if Terminated) |                                    |

|    | B                            | C  |
|----|------------------------------|--|
| 1  | <b>Condition Description</b> |  |
| 2  |                              |  |
| 3  | <b>707C10</b>                |  |
| 4  |                              |  |
| 5  | Report Name/Date             | Trial Burn Report, July 2001   |
| 6  | Report Prepare               | Focus Environmental, Inc   |
| 7  | Testing Firm                 | METCO  |
| 8  | Testing Dates                | March 21-23, 2001  |
| 9  | Cond Dates                   | Mar-01   |
| 10 | Condition Descr              | Trial burn, max temp, max feedrate, worst oper cond (chlorine data invalid due to sampling errors)                                       |
| 11 | Content                      | PM, CO, HCl/Cl <sub>2</sub> , PCDD/F   |
| 12 |                              |  |
| 13 | <b>707C11</b>                |  |
| 14 |                              |  |
| 15 | Report Name/Date             | Trial Burn Report, July 2001   |
| 16 | Report Prepare               | Focus Environmental, Inc   |
| 17 | Testing Firm                 | METCO  |
| 18 | Testing Dates                | May 23-24, 2001  |
| 19 | Cond Dates                   | Mar-01   |
| 20 | Condition Descr              | Trial burn, min temp, max feedrate   |
| 21 | Content                      | CO, HCl/Cl <sub>2</sub> , DRE  |
| 22 |                              |  |
| 23 | <b>707C1</b>                 |  |
| 24 |                              |  |
| 25 | Report Name/Date             | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 26 | Report Prepare               | Entropy  |
| 27 | Testing Firm                 | Entropy  |
| 28 | Cond Descr                   | ?  |
| 29 | Testing Dates                | Aug 12-13, 1988  |
| 30 | Cond Dates                   | Jan-89   |
| 31 |                              |  |
| 32 | <b>707C2</b>                 |  |
| 33 |                              |  |
| 34 | Report Name/Date             | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 35 | Report Prepare               | Entropy  |
| 36 | Testing Firm                 | Entropy  |
| 37 | Cond Descr                   | ?  |
| 38 | Testing Dates                | Aug 13-14, 1988  |
| 39 | Cond Dates                   | Jan-89   |
| 40 |                              |  |
| 41 | <b>707C3</b>                 |  |
| 42 |                              |  |
| 43 | Report Name/Date             | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 44 | Report Prepare               | Entropy  |
| 45 | Testing Firm                 | Entropy  |
| 46 | Cond Descr                   | ?  |
| 47 | Testing Dates                | 14-Aug-88  |
| 48 | Cond Dates                   | Jan-89   |
| 49 |                              |  |
| 50 | <b>707C4</b>                 |  |
| 51 |                              |  |
| 52 | Report Name/Date             | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 53 | Report Prepare               | Entropy  |
| 54 | Testing Firm                 | Entropy  |
| 55 | Cond Descr                   | ?  |
| 56 | Testing Dates                | October 4, 1988  |
| 57 | Cond Dates                   | Oct-88   |
| 58 |                              |  |
| 59 | <b>707C7</b>                 |  |
| 60 |                              |  |
| 61 | Report Name/Date             | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 62 | Report Prepare               | Entropy  |
| 63 | Testing Firm                 | Entropy  |
| 64 | Cond Descr                   | ?  |
| 65 | Testing Dates                | Aug 29-30, 1988  |

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| 66  | Cond Dates       | Aug-88   |
| 67  |                  |  |
| 68  | <b>707C8</b>     |  |
| 69  |                  |  |
| 70  | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 71  | Report Prepare   | Entropy  |
| 72  | Testing Firm     | Entropy  |
| 73  | Cond Descr       | ?  |
| 74  | Testing Dates    | August 30-31, 1988   |
| 75  | Cond Dates       | Aug-88   |
| 76  |                  |  |
| 77  |                  |  |
| 78  | <b>707C9</b>     |  |
| 79  |                  |  |
| 80  | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 81  | Report Prepare   | Entropy  |
| 82  | Testing Firm     | Entropy  |
| 83  | Cond Descr       | ?  |
| 84  | Testing Dates    | September 10, 1988   |
| 85  | Cond Dates       | Sep-88   |
| 86  |                  |  |
| 87  | <b>707A1</b>     |  |
| 88  |                  |  |
| 89  | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 90  | Report Prepare   | Entropy  |
| 91  | Testing Firm     | Entropy  |
| 92  | Cond Descr       | ?  |
| 93  | Testing Dates    | September 11, 1988   |
| 94  | Cond Dates       | Sep-88   |
| 95  |                  |  |
| 96  | <b>707A2</b>     |  |
| 97  |                  |  |
| 98  | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 99  | Report Prepare   | Entropy  |
| 100 | Testing Firm     | Entropy  |
| 101 | Cond Descr       | ?  |
| 102 | Testing Dates    | September 5, 1988  |
| 103 | Cond Dates       | Sep-88   |
| 104 |                  |  |
| 105 | <b>707A3</b>     |  |
| 106 |                  |  |
| 107 | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-   |
| 108 | Report Prepare   | Entropy  |
| 109 | Testing Firm     | Entropy  |
| 110 | Cond Descr       | ?  |
| 111 | Testing Dates    | September 1, 1988  |
| 112 | Cond Dates       | Sep-88   |
| 113 |                  |  |
| 114 | <b>707A4</b>     |  |
| 115 |                  |  |
| 116 | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 117 | Report Prepare   | Entropy  |
| 118 | Testing Firm     | Entropy  |
| 119 | Cond Descr       | ?  |
| 120 | Testing Dates    | September 2, 1988  |
| 121 | Cond Dates       | Sep-88   |
| 122 |                  |  |
| 123 | <b>707A5</b>     |  |
| 124 |                  |  |
| 125 | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 126 | Report Prepare   | Entropy  |
| 127 | Testing Firm     | Entropy  |
| 128 | Cond Descr       | ?  |
| 129 | Testing Dates    | September 3, 1988  |

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| 130 | Cond Dates       | Sep-88   |
| 131 |                  |  |
| 132 | <b>707A6</b>     |  |
| 133 |                  |  |
| 134 | Report Name/Date | Dupont Central Scubbed Incinerator(CSI) Trial Burn Report, DCN 89-274-015-02, Prepared by Radian Corp., La Porte, Texas, January 5, 1989 |
| 135 | Report Prepare   | Entropy  |
| 136 | Testing Firm     | Entropy  |
| 137 | Cond Descr       | ?  |
| 138 | Testing Dates    | September 8, 1988  |
| 139 | Cond Dates       | Sep-88   |

|    | B                            | C  | D       | E     | F  | G       | H  | I      | J  | K       | L   | M        |
|----|------------------------------|--|---------|-------|----|---------|----|--------|----|---------|-----|----------|
| 1  | <b>Stack Gas Emissions 1</b> |  |         |       |    |         |    |        |    |         |     |          |
| 2  |                              |  |         |       |    |         |    |        |    |         |     |          |
| 3  |                              | Comments   | Units   | 7% O2 |    |         |    |        |    |         |     |          |
| 4  |                              |  |         |       |    |         |    |        |    |         |     |          |
| 5  |                              |  |         |       |    |         |    |        |    |         |     |          |
| 6  | <b>707C10</b>                |  |         |       |    | R1      |    | R2     |    | R3      |     | Cond Avg |
| 7  |                              |  |         |       |    |         |    |        |    |         |     |          |
| 8  | PM (total)                   | E1   | gr/dscf | y     |    | 0.1609  |    | 0.2332 |    | 0.1644  |     | 0.186    |
| 9  | PM                           | E1   | gr/dscf | y     |    | 0.0335  |    | 0.0463 |    | 0.0561  |     | 0.045    |
| 10 | CO (RA)                      | E1   | ppmv    | y     |    | 1116    |    | 1217.4 |    | 827.9   |     | 1053.8   |
| 11 | HC (RA)                      |  | ppmv    | n     |    | 12.4    |    | 13.4   |    | 10.5    |     | 12.1     |
| 12 |                              | HCl/Cl2 data considered invalid due to QA/QC analytical problems |         |       |    |         |    |        |    |         |     |          |
| 13 | HCl                          |  | ppmv    | n     |    | 0.22    |    | 0.2    |    | 1.06    |     |          |
| 14 | Cl2                          |  | ppmv    | n     |    | 0.01    |    | 0.02   | nd | 0.01    |     |          |
| 15 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 16 | Aluminum                     | E2   | ug/dscm | y     |    | 89.7    |    | 106    |    | 89.2    |     | 94.97    |
| 17 | Antimony                     | E2   | ug/dscm | y     |    | 0.653   |    | 0.495  | nd | 32.5    |     | 11.22    |
| 18 | Arsenic                      | E2   | ug/dscm | y     |    | 1.26    |    | 1.95   |    | 2.69    |     | 1.97     |
| 19 | Barium                       | E2   | ug/dscm | y     |    | 2.23    |    | 1.84   |    | 1.95    |     | 2.01     |
| 20 | Beryllium                    | E2   | ug/dscm | y     | nd | 0.0274  | nd | 0.0271 | nd | 0.0277  |     | 0.03     |
| 21 | Cadmium                      | E2   | ug/dscm | y     |    | 0.233   |    | 0.286  | nd | 0.0608  |     | 0.19     |
| 22 | Chromium                     | E2   | ug/dscm | y     |    | 3.32    |    | 4.3    |    | 2.99    |     | 3.54     |
| 23 | Cobalt                       | E2   | ug/dscm | y     |    | 0.139   |    | 0.101  | nd | 0.177   |     | 0.14     |
| 24 | Copper                       | E2   | ug/dscm | y     |    | 5       |    | 5.46   |    | 6.53    |     | 5.66     |
| 25 | Iron                         | E2   | ug/dscm | y     |    | 47.4    |    | 64.7   |    | 60.8    |     | 57.63    |
| 26 | Lead                         | E2   | ug/dscm | y     |    | 2.81    |    | 2.59   |    | 0.863   |     | 2.09     |
| 27 | Manganese                    | E2   | ug/dscm | y     |    | 5.14    |    | 2.06   |    | 1.81    |     | 3.00     |
| 28 | Mercury                      | E2   | ug/dscm | y     | nd | 4.41    | nd | 2.53   | nd | 1.46    | 100 | 2.80     |
| 29 | Molybdenum                   | E2   | ug/dscm | y     |    | 3.94    |    | 4.22   |    | 4.5     |     | 4.22     |
| 30 | Nickel                       | E2   | ug/dscm | y     |    | 2.48    |    | 3.04   |    | 3.98    |     | 3.17     |
| 31 | Selenium                     | E2   | ug/dscm | y     |    | 4.19    |    | 2.49   |    | 2.43    |     | 3.04     |
| 32 | Silver                       | E2   | ug/dscm | y     | nd | 0.255   | nd | 0.112  | nd | 0.0922  |     | 0.15     |
| 33 | Thallium                     | E2   | ug/dscm | y     | nd | 0.137   | nd | 0.136  | nd | 0.138   |     | 0.14     |
| 34 | Vanadium                     | E2   | ug/dscm | y     |    | 0.182   |    | 0.351  |    | 0.325   |     | 0.29     |
| 35 | Zinc                         | E2   | ug/dscm | y     |    | 33.2    |    | 26     |    | 37.2    |     | 32.13    |
| 36 | Chromium (Hex)               | E3   | ug/dscm | y     |    | 0.26    |    | 0.343  | nd | 0.0548  |     | 0.22     |
| 37 | SVM                          | E2   | ug/dscm | y     |    | 3.0     |    | 2.9    |    | 0.9     |     | 2.28     |
| 38 | LVM                          | E2   | ug/dscm | y     |    | 4.6     |    | 6.3    |    | 5.7     |     | 5.53     |
| 39 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 40 | Sampling Train               | PM, HCl/CE1  |         |       |    |         |    |        |    |         |     |          |
| 41 | Stack Gas Flowrate           |  | dscfm   |       |    | 23648   |    | 23491  |    | 22109   |     | 23082.7  |
| 42 | O2                           |  | %       |       |    | 9.2     |    | 9.1    |    | 9.2     |     | 9.2      |
| 43 | Moisture                     |  | %       |       |    | 57.59   |    | 59.72  |    | 58.25   |     | 58.5     |
| 44 | Temperature                  |  | °F      |       |    | 186     |    | 187    |    | 186     |     | 186.3    |
| 45 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 46 | Sampling Train               | Metals E2  |         |       |    |         |    |        |    |         |     |          |
| 47 | Stack Gas Flowrate           |  | dscfm   |       |    | 22441   |    | 23010  |    | 22250   |     | 22567.0  |
| 48 | O2                           |  | %       |       |    | 9.2     |    | 9.1    |    | 9.2     |     | 9.2      |
| 49 | Moisture                     |  | %       |       |    | 59.5    |    | 57.9   |    | 58.1    |     | 58.5     |
| 50 | Temperature                  |  | °F      |       |    | 186     |    | 186    |    | 187     |     | 186.3    |
| 51 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 52 | Sampling Train               | Cr+6 E3  |         |       |    |         |    |        |    |         |     |          |
| 53 | Stack Gas Flowrate           |  | dscfm   |       |    | 22931   |    | 21529  |    | 22506   |     | 22322.0  |
| 54 | O2                           |  | %       |       |    | 9.2     |    | 9.1    |    | 9.2     |     | 9.2      |
| 55 | Moisture                     |  | %       |       |    | 57.2    |    | 57.9   |    | 57.1    |     | 57.4     |
| 56 | Temperature                  |  | °F      |       |    | 185     |    | 185    |    | 185     |     | 185.0    |
| 57 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 58 | Sampling Train               | PCDD/F E4  |         |       |    |         |    |        |    |         |     |          |
| 59 | Stack Gas Flowrate           |  | dscfm   |       |    | 22064.0 |    | 21611  |    | 22076.0 |     | 21917.0  |
| 60 | O2                           |  | %       |       |    | 9.2     |    | 9.1    |    | 9.2     |     | 9.2      |
| 61 | Moisture                     |  | %       |       |    | 56.1    |    | 57.21  |    | 57.82   |     | 57.0     |
| 62 | Temperature                  |  | °F      |       |    | 187     |    | 188    |    | 188     |     | 187.7    |
| 63 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 64 | HC (RA)                      | E1   | ppmv    | y     |    | 14.7    |    | 15.8   |    | 12.5    |     | 14.3     |
| 65 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 66 | HCl                          | E1   | ppmv    | y     |    | 0.26    |    | 0.24   |    | 1.26    |     | 0.6      |
| 67 | Cl2                          | E1   | ppmv    | y     |    | 0.01    |    | 0.02   | nd | 0.01    |     | 0.0      |
| 68 | Total Chlorine               | E1   | ppmv    | y     |    | 0.28    |    | 0.28   |    | 1.28    |     | 0.6      |
| 69 |                              |  |         |       |    |         |    |        |    |         |     |          |
| 70 | <b>707C11</b>                |  |         |       |    | R1      |    | R2     |    | R3      |     | Cond Avg |
| 71 |                              |  |         |       |    |         |    |        |    |         |     |          |

|    | B                  | C       | D     | E | F  | G          | H  | I          | J  | K          | L | M       |
|----|--------------------|---------|-------|---|----|------------|----|------------|----|------------|---|---------|
| 72 | CO (RA)            | E3      | ppmv  | y |    | 1053.9     |    | 1412.6     |    | 660.5      |   | 1042.3  |
| 73 | HC (RA)            |         | ppmv  | n |    | 4.5        |    | 16.3       |    | 4          |   | 8.3     |
| 74 |                    |         |       |   |    |            |    |            |    |            |   |         |
| 75 | HCl                |         | ppm   | n |    | 8.86       |    | 6.74       |    | 5.67       |   |         |
| 76 | Cl2                |         | ppm   | n |    | 0.04       |    | 0.04       |    | 0.08       |   |         |
| 77 |                    |         |       |   |    |            |    |            |    |            |   |         |
| 78 | POHC DRE           | ODCB    | E1    |   |    |            |    |            |    |            |   |         |
| 79 | POHC Feedrate      |         | lb/hr |   |    | 120.2      |    | 118.4      |    | 124.2      |   |         |
| 80 | Emission Rate      | E1      | lb/hr |   | nd | 4.07E-05   | nd | 4.93E-05   | nd | 3.86E-05   |   |         |
| 81 | DRE                | E1      | %     |   |    | 99.9999661 |    | 99.9999584 |    | 99.9999645 |   |         |
| 82 |                    |         |       |   |    |            |    |            |    |            |   |         |
| 83 | Sampling Train     | HCl/Cl2 | E2    |   |    |            |    |            |    |            |   |         |
| 84 | Stack Gas Flowrate |         | dscfm |   |    | 17257      |    | 17835      |    | 16529      |   | 17207.0 |
| 85 | O2                 |         | %     |   |    | 8.7        |    | 8.6        |    | 8.8        |   | 8.7     |
| 86 | Moisture           |         | %     |   |    | 60.07      |    | 60.48      |    | 59.88      |   | 60.1    |
| 87 | Temperature        |         | °F    |   |    | 189        |    | 189        |    | 189        |   | 189.0   |
| 88 |                    |         |       |   |    |            |    |            |    |            |   |         |
| 89 | Sampling Train     | CO, HC  | E3    |   |    |            |    |            |    |            |   |         |
| 90 | Stack Gas Flowrate |         | dscfm |   |    | 18499      |    | 18398      |    | 17283      |   | 18060.0 |
| 91 | O2                 |         | %     |   |    | 8.7        |    | 8.6        |    | 8.8        |   | 8.7     |
| 92 | Moisture           |         | %     |   |    | 60.02      |    | 60.13      |    | 60.2       |   | 60.1    |
| 93 | Temperature        |         | °F    |   |    |            |    |            |    |            |   |         |
| 94 |                    |         |       |   |    |            |    |            |    |            |   |         |
| 95 | HC (RA)            | E3      | ppmv  | y |    | 5.12       |    | 18.40      |    | 4.59       |   | 9.4     |
| 96 |                    |         |       |   |    |            |    |            |    |            |   |         |
| 97 | HCl                | E2      | ppmv  | y |    | 10.08      |    | 7.61       |    | 6.51       |   | 8.1     |
| 98 | Cl2                | E2      | ppmv  | y |    | 0.05       |    | 0.05       |    | 0.09       |   | 0.1     |
| 99 | Total Chlorine     | E2      | ppmv  | y |    | 10.18      |    | 7.70       |    | 6.69       |   | 8.2     |

|    | B                            | C      | D       | E | F | G        | H | I        | J | K        | L | M        |
|----|------------------------------|--------|---------|---|---|----------|---|----------|---|----------|---|----------|
| 1  | <b>Stack Gas Emissions 2</b> |        |         |   |   |          |   |          |   |          |   |          |
| 2  |                              |        |         |   |   |          |   |          |   |          |   |          |
| 3  |                              |        |         |   |   |          |   |          |   |          |   |          |
| 4  |                              |        |         |   |   |          |   |          |   |          |   |          |
| 5  | <b>707C1</b>                 |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 6  |                              |        |         |   |   |          |   |          |   |          |   |          |
| 7  | PM                           | E1     | gr/dscf | y |   | 0.0486   |   | 0.0395   |   | 0.0262   |   | 0.0381   |
| 8  | CO (RA)                      | E1     | ppmv    | y |   | 9964.7   |   | 9509.4   |   | 11681.0  |   | 10385.0  |
| 9  | HCl                          | E1     | ppmv    | y |   | 0.5      |   | 3.3      |   | 0.8      |   | 1.5      |
| 10 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 11 | Sampling Train               | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 12 | Stack Gas Flowrate           |        | dscfm   |   |   | 19350.0  |   | 20250.0  |   | 19400.0  |   |          |
| 13 | O2                           |        | %       |   |   | 4.0      |   | 5.1      |   | 4.7      |   |          |
| 14 | Moisture                     |        | %       |   |   | 61.7     |   | 59.1     |   | 60.6     |   |          |
| 15 | Temperature                  |        | °F      |   |   | 186.0    |   | 186.0    |   | 187.0    |   |          |
| 16 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 17 | <b>707C2</b>                 |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 18 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 19 | PM                           | E1     | gr/dscf | y |   | 0.0303   |   | 0.0350   |   | 0.0358   |   | 0.0337   |
| 20 | CO (RA)                      | E1     | ppmv    | y |   | 6661.1   |   | 7611.9   |   | 5858.6   |   | 6710.6   |
| 21 | HCl                          | E1     | ppmv    | y |   | 9.3      |   | 3.1      |   | 9.5      |   | 7.3      |
| 22 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 23 | Carbon Tetrachloride         | E1     | %       |   |   | 99.99995 |   | 99.99995 |   | 99.99996 |   |          |
| 24 | o-Dichlorobenzene            | E1     | %       |   |   | 99.99947 |   | 99.99996 |   | 99.99996 |   |          |
| 25 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 26 | Sampling Train               | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 27 | Stack Gas Flowrate           |        | dscfm   |   |   | 19616.7  |   | 20450.0  |   | 19733.3  |   |          |
| 28 | O2                           |        | %       |   |   | 5.3      |   | 5.9      |   | 5.3      |   |          |
| 29 | Moisture                     |        | %       |   |   | 60.6     |   | 58.5     |   | 60.8     |   |          |
| 30 | Temperature                  |        | °F      |   |   | 186.0    |   | 186.0    |   | 187.0    |   |          |
| 31 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 32 | <b>707C3</b>                 |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 33 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 34 | PM                           | E1     | gr/dscf | y |   | 0.0198   |   | 0.0097   |   | 0.0152   |   | 0.0149   |
| 35 | CO (RA)                      | E1     | ppmv    | y |   | 5637.3   |   | 6069.5   |   | 5651.9   |   | 5786.2   |
| 36 | HCl                          | E1     | ppmv    | y |   | 6.9      |   | 8.5      |   | 8.8      |   | 8.1      |
| 37 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 38 | Carbon Tetrachloride         | E1     | %       |   |   | 99.99996 |   | 99.99996 |   | 99.99994 |   |          |
| 39 | o-Dichlorobenzene            | E1     | %       |   |   | 99.98518 |   | 99.96242 |   | 99.97469 |   |          |
| 40 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 41 | Sampling Train               | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 42 | Stack Gas Flowrate           |        | dscfm   |   |   | 19883.3  |   | 20633.3  |   | 19350.0  |   |          |
| 43 | O2                           |        | %       |   |   | 6.0      |   | 4.6      |   | 4.8      |   |          |
| 44 | Moisture                     |        | %       |   |   | 60.9     |   | 59.6     |   | 61.3     |   |          |
| 45 | Temperature                  |        | °F      |   |   | 187.0    |   | 187.0    |   | 187.0    |   |          |
| 46 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 47 | <b>707C4</b>                 |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 48 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 49 | PM                           | E1     | gr/dscf | y |   | 0.0378   |   | 0.0363   |   | 0.0361   |   | 0.0367   |
| 50 | CO (RA)                      | E1     | ppmv    | y |   | 3478.8   |   | 4800.0   |   | 4290.9   |   | 4189.9   |
| 51 | HCl                          | E1     | ppmv    | y |   | 12.4     |   | 10.0     |   | 10.9     |   | 11.1     |
| 52 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 53 | Sampling Train               | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 54 | Stack Gas Flowrate           |        | dscfm   |   |   | 20050.0  |   | 20100.0  |   | 19633.3  |   |          |
| 55 | O2                           |        | %       |   |   | 7.8      |   | 6.3      |   | 5.6      |   |          |
| 56 | Moisture                     |        | %       |   |   | 56.1     |   | 56.5     |   | 56.6     |   |          |
| 57 | Temperature                  |        | °F      |   |   | 184.0    |   | 184.0    |   | 185.0    |   |          |
| 58 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 59 | Carbon Tetrachloride         | E1     | %       |   |   | 99.99996 |   | 99.99995 |   | 99.99961 |   |          |
| 60 | o-Dichlorobenzene            | E1     | %       |   |   | 99.99997 |   | 99.99021 |   | 99.97361 |   |          |
| 61 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 62 | <b>707C7</b>                 |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 63 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 64 | PM                           | E1     | gr/dscf | y |   | 0.0300   |   | 0.0268   |   | 0.0259   |   | 0.0276   |
| 65 | CO (RA)                      | E1     | ppmv    | y |   | 10351.5  |   | 11200.0  |   | 9421.4   |   | 10324.3  |
| 66 | HCl                          | E1     | ppmv    | y |   | 0.6      |   | 0.5      |   | 0.5      |   | 0.5      |
| 67 |                              |        |         |   |   |          |   |          |   |          |   |          |
| 68 | Sampling Train               | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 69 | Stack Gas Flowrate           |        | dscfm   |   |   | 20816.7  |   | 20850.0  |   | 21383.3  |   |          |
| 70 | O2                           |        | %       |   |   | 4.5      |   | 5.5      |   | 5.1      |   |          |
| 71 | Moisture                     |        | %       |   |   | 60.7     |   | 60.2     |   | 59.7     |   |          |



|     | B                    | C      | D       | E | F | G        | H | I        | J | K        | L | M        |
|-----|----------------------|--------|---------|---|---|----------|---|----------|---|----------|---|----------|
| 72  | Temperature          |        | °F      |   |   | 186.0    |   | 186.0    |   | 186.0    |   |          |
| 73  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 74  | <b>707C8</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 75  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 76  | PM                   | E1     | gr/dscf | y |   | 0.0426   |   | 0.0471   |   | 0.0450   |   | 0.0449   |
| 77  | CO (RA)              | E1     | ppmv    | y |   | 9826.1   |   | 8680.0   |   | 10252.0  |   | 9586.0   |
| 78  | HCl                  | E1     | ppmv    | y |   | 0.7      |   | 0.6      |   | 11.5     |   | 4.3      |
| 79  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 80  | Sampling Train       | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 81  | Stack Gas Flowrate   |        | dscfm   |   |   | 20316.7  |   | 19816.7  |   | 19933.3  |   |          |
| 82  | O2                   |        | %       |   |   | 4.9      |   | 6.0      |   | 8.3      |   |          |
| 83  | Moisture             |        | %       |   |   | 59.8     |   | 60.2     |   | 59.4     |   |          |
| 84  | Temperature          |        | °F      |   |   | 186.0    |   | 185.0    |   | 183.0    |   |          |
| 85  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 86  | <b>707C9</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 87  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 88  | PM                   | E1     | gr/dscf | y |   | 0.0559   |   | 0.0292   |   | 0.0850   |   | 0.0567   |
| 89  | CO (RA)              | E1     | ppmv    | y |   | 11120.6  |   | 11428.6  |   | 8830.8   |   | 10460.0  |
| 90  | HCl                  | E1     | ppmv    | y |   | 3.6      |   | 5.1      |   | 12.2     |   | 7.0      |
| 91  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 92  | Sampling Train       | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 93  | Stack Gas Flowrate   |        | dscfm   |   |   | 19833.3  |   | 19683.3  |   | 20200.0  |   |          |
| 94  | O2                   |        | %       |   |   | 6.9      |   | 6.3      |   | 5.4      |   |          |
| 95  | Moisture             |        | %       |   |   | 57.8     |   | 58.4     |   | 59.0     |   |          |
| 96  | Temperature          |        | °F      |   |   | 185.0    |   | 184.0    |   | 184.0    |   |          |
| 97  |                      |        |         |   |   |          |   |          |   |          |   |          |
| 98  | Carbon Tetrachloride | E1     | %       |   |   | 99.99812 |   | 99.99997 |   | 99.99996 |   |          |
| 99  | o-Dichlorobenzene    | E1     | %       |   |   | 99.99715 |   | 99.99924 |   | 99.99868 |   |          |
| 100 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 101 | <b>707A1</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 102 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 103 | PM                   | E1     | gr/dscf | y |   | 0.0486   |   | 0.0457   |   | 0.0426   |   | 0.0456   |
| 104 | CO (RA)              | E1     | ppmv    | y |   | 9771.8   |   | 9053.9   |   | 11293.3  |   | 10039.7  |
| 105 | HCl                  | E1     | ppmv    | y |   | 6.9      |   | 5.3      |   | 7.6      |   | 6.6      |
| 106 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 107 | Sampling Train       | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 108 | Stack Gas Flowrate   |        | dscfm   |   |   | 20066.7  |   | 19466.7  |   | 19133.3  |   |          |
| 109 | O2                   |        | %       |   |   | 6.1      |   | 5.8      |   | 6.0      |   |          |
| 110 | Moisture             |        | %       |   |   | 58.6     |   | 58.7     |   | 58.5     |   |          |
| 111 | Temperature          |        | °F      |   |   | 185.0    |   | 184.0    |   | 184.0    |   |          |
| 112 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 113 | <b>707A2</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 114 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 115 | PM                   | E1     | gr/dscf | y |   | 0.0381   |   | 0.0321   |   | 0.0280   |   | 0.0327   |
| 116 | CO (RA)              | E1     | ppmv    | y |   | 4373.6   |   | 3316.3   |   | 3485.7   |   | 3725.2   |
| 117 | HCl                  | E1     | ppmv    | y |   | 2.4      |   | 3.3      |   | 2.0      |   | 2.6      |
| 118 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 119 | Sampling Train       | PM/HCl | E1      |   |   |          |   |          |   |          |   |          |
| 120 | Stack Gas Flowrate   |        | dscfm   |   |   | 19250.0  |   | 19550.0  |   | 19550.0  |   |          |
| 121 | O2                   |        | %       |   |   | 8.9      |   | 6.9      |   | 6.3      |   |          |
| 122 | Moisture             |        | %       |   |   | 56.8     |   | 57.2     |   | 57.6     |   |          |
| 123 | Temperature          |        | °F      |   |   | 187.0    |   | 184.0    |   | 186.0    |   |          |
| 124 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 125 | <b>707A3</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 126 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 127 | CO                   |        | ppmv    | y |   | 6714.7   |   | 7177.1   |   | 7029.1   |   | 6973.6   |
| 128 | Carbon Tetrachloride | DRE    | %       |   |   | 99.99996 |   | 99.99996 |   | 99.99996 |   |          |
| 129 | o-Dichlorobenzene    | DRE    | %       |   |   | 99.99987 |   | 99.99986 |   | 99.99996 |   |          |
| 130 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 131 | <b>707A4</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 132 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 133 | CO                   |        | ppmv    | y |   | 3070.6   |   | 2728.4   |   | 3634.8   |   | 3144.6   |
| 134 | Carbon Tetrachloride | DRE    | %       |   |   | 99.99996 |   | 99.99996 |   | 99.99995 |   |          |
| 135 | o-Dichlorobenzene    | DRE    | %       |   |   | 99.99997 |   | 99.99997 |   | 99.99997 |   |          |
| 136 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 137 | <b>707A5</b>         |        |         |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 138 |                      |        |         |   |   |          |   |          |   |          |   |          |
| 139 | CO                   |        | ppmv    | y |   | 1609.3   |   | 1868.3   |   | 1646.3   |   | 1708.0   |
| 140 | Carbon Tetrachloride | DRE    | %       |   |   | 99.99995 |   | 99.99996 |   | 99.99996 |   |          |
| 141 | o-Dichlorobenzene    | DRE    | %       |   |   | 99.99997 |   | 99.99997 |   | 99.99997 |   |          |
| 142 |                      |        |         |   |   |          |   |          |   |          |   |          |

|     | B                    | C   | D    | E | F | G        | H | I        | J | K        | L | M        |
|-----|----------------------|-----|------|---|---|----------|---|----------|---|----------|---|----------|
| 143 | <b>707A6</b>         |     |      |   |   | R1       |   | R2       |   | R3       |   | Cond Avg |
| 144 |                      |     |      |   |   |          |   |          |   |          |   |          |
| 145 | CO                   |     | ppmv | y |   | 5151.6   |   | 6307.7   |   | 6344.7   |   | 5934.7   |
| 146 | Carbon Tetrachloride | DRE | %    |   |   | 99.99996 |   | 99.99996 |   | 99.99996 |   |          |
| 147 | o-Dichlorobenzene    | DRE | %    |   |   | 99.97787 |   | 99.96887 |   | 99.98391 |   |          |

|    | B                                 | C                 | D         | E         | F         | G         | H        | I        | J        | K         | L        | M        | N        | O         | P     | Q     | R     | S         | T     | U     | V     | W         | X      | Y      | Z      | AA        | AB    |       |       |           |       |
|----|-----------------------------------|-------------------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|----------|----------|----------|-----------|-------|-------|-------|-----------|-------|-------|-------|-----------|--------|--------|--------|-----------|-------|-------|-------|-----------|-------|
| 1  | <b>Feedrate Calculations</b>      |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 2  |                                   |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 3  |                                   |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 4  | <b>707C10</b>                     | <b>Trial burn</b> | R1        | R2        | R3        | Cond Avg. | R1       | R2       | R3       | Cond Avg. | R1       | R2       | R3       | Cond Avg. | R1    | R2    | R3    | Cond Avg. | R1    | R2    | R3    | Cond Avg. | R1     | R2     | R3     | Cond Avg. | R1    | R2    | R3    | Cond Avg. |       |
| 5  |                                   |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 6  | Feedstream Number                 |                   | F1        | F1        | F1        | F1        | F2       | F2       | F2       | F2        | F3       | F3       | F3       | F3        | F3    | F3    | F3    | F3        | F3    | F3    | F3    | F3        | F3     | F3     | F3     | F3        | F3    | F3    | F3    | F3        | F3    |
| 7  | Feed Class                        |                   | Liq HW    | Liq HW    | Liq HW    | Liq HW    | Spike    | Spike    | Spike    | Spike     | Total    | Total    | Total    | Total     | Total | Total | Total | Total     | Total | Total | Total | Total     | Total  | Total  | Total  | Total     | Total | Total | Total | Total     |       |
| 8  | Feed Class 2                      |                   | HW        | HW        | HW        | HW        | Spike    | Spike    | Spike    | Spike     | Total    | Total    | Total    | Total     | Total | Total | Total | Total     | Total | Total | Total | Total     | Total  | Total  | Total  | Total     | Total | Total | Total | Total     |       |
| 9  | Feedstream Description            |                   | Liq waste | Liq waste | Liq waste | Liq waste | Spike    | Spike    | Spike    | Spike     | Total    | Total    | Total    | Total     | Total | Total | Total | Total     | Total | Total | Total | Total     | Total  | Total  | Total  | Total     | Total | Total | Total | Total     |       |
| 10 | Feed Rate                         | lb/hr             | 16320     | 16272     | 16320     | 16304.0   | 89.87    | 92.84    | 91.65    | 91.5      | 16409.9  | 16364.8  | 16411.7  | 16395.5   |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 11 | Feed Rate                         | scfm              |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 12 | Density                           | g/ml              |           | 1.02      | 1.01      |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 13 | Viscosity                         | cSt               | 2.78      | 2.2       | 1.71      |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 14 | Heating Value                     | Btu/lb            | 1210.0    | 2250      | 539       |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 15 | Thermal Feedrate                  | MMBtu/hr          | 92.3      | 89.2      | 93        | 91.5      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 92.3      | 89.2   | 93.1   | 91.5   |           |       |       |       |           |       |
| 16 | Ash                               | lb/hr             | 511.0     | 550.0     | 264       |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 17 | Chlorine                          | lb/hr             | 8.5       | 8.7       | 4.49      |           | 43       | 44.56    | 43.99    |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 18 | Aluminum                          | lb/hr             | 3.10E-01  | 3.1E-01   | 2.0E-01   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 19 | Antimony                          | lb/hr             | 1.80E-02  | 1.8E-02   | 1.8E-02   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 20 | Arsenic                           | lb/hr             | 5.20E-03  | 5.2E-03   | 5.2E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 21 | Barium                            | lb/hr             | 1.20E-03  | 1.2E-03   | 2.9E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 22 | Beryllium                         | lb/hr             | 2.10E-03  | 2.1E-03   | 2.1E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 23 | Cadmium                           | lb/hr             | 2.40E-03  | 2.4E-03   | 2.4E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 24 | Chromium                          | lb/hr             | 2.60E-03  | 3.0E-03   | 5.7E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 25 | Cobalt                            | lb/hr             | 3.60E-03  | 3.6E-03   | 3.6E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 26 | Copper                            | lb/hr             | 2.60E-02  | 1.1E-02   | 2.0E-02   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 27 | Iron                              | lb/hr             | 3.00E-01  | 3.0E-01   | 1.6E-01   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 28 | Lead                              | lb/hr             | 2.90E-03  | 2.9E-03   | 2.9E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 29 | Manganese                         | lb/hr             | 5.60E-03  | 8.6E-03   | 3.4E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 30 | Mercury                           | lb/hr             | 5.40E-04  | 5.4E-04   | 5.4E-04   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 31 | Molybdenum                        | lb/hr             | 1.50E-02  | 1.5E-02   | 1.5E-02   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 32 | Nickel                            | lb/hr             | 1.60E-02  | 1.5E-02   | 8.4E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 33 | Selenium                          | lb/hr             | 2.00E-03  | 2.0E-03   | 2.0E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 34 | Silver                            | lb/hr             | 9.50E-03  | 9.4E-03   | 9.5E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 35 | Thallium                          | lb/hr             | 9.00E-03  | 8.9E-03   | 9.0E-03   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 36 | Vanadium                          | lb/hr             | 2.60E-02  | 2.6E-02   | 2.6E-02   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 37 | Zinc                              | lb/hr             | 2.90E-02  | 2.8E-02   | 2.0E-02   |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 38 |                                   |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 39 | Stack Gas Flowrate                | dscfm             | 22567.0   |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           | 23083 |
| 40 | Oxygen                            | %                 | 9.2       |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           | 9.2   |
| 41 |                                   |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 42 | Estimated Firing Rate             | MMBtu/hr          |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           | 87    |
| 43 |                                   |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 44 | <b>Feedrate MTEC Calculations</b> |                   |           |           |           |           |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 45 | Ash                               | mg/dscm           | 7162.9    | 7709.5    | 3700.6    | 6191.0    |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 7162.9    | 7709.5 | 3700.6 | 6191.0 |           |       |       |       |           |       |
| 46 | Chlorine                          | ug/dscm           | 119007.1  | 121810.6  | 62937.8   | 101251.8  | 604707.6 | 624612.2 | 616622.3 | 615314.0  | 723714.7 | 746422.8 | 679560.1 | 716565.9  |       |       |       |           |       |       |       |           |        |        |        |           |       |       |       |           |       |
| 47 | Aluminum                          | ug/dscm           | 4345.4    | 4345.4    | 2803.5    | 3831.4    |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 4345.4    | 4345.4 | 2803.5 | 3831.4 |           |       |       |       |           |       |
| 48 | Antimony                          | ug/dscm           | 252.3     | 252.3     | 252.3     | 252.3     |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 252.3     | 252.3  | 252.3  | 252.3  |           |       |       |       |           |       |
| 49 | Arsenic                           | ug/dscm           | 72.9      | 72.9      | 72.9      | 72.9      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 72.9      | 72.9   | 72.9   | 72.9   |           |       |       |       |           |       |
| 50 | Barium                            | ug/dscm           | 16.8      | 16.8      | 40.7      | 24.8      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 16.8      | 16.8   | 40.7   | 24.8   |           |       |       |       |           |       |
| 51 | Beryllium                         | ug/dscm           | 29.4      | 29.4      | 29.4      | 29.4      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 29.4      | 29.4   | 29.4   | 29.4   |           |       |       |       |           |       |
| 52 | Cadmium                           | ug/dscm           | 33.6      | 33.6      | 33.6      | 33.6      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 33.6      | 33.6   | 33.6   | 33.6   |           |       |       |       |           |       |
| 53 | Chromium                          | ug/dscm           | 36.4      | 42.1      | 79.9      | 52.8      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 36.4      | 42.1   | 79.9   | 52.8   |           |       |       |       |           |       |
| 54 | Cobalt                            | ug/dscm           | 50.5      | 50.5      | 50.5      | 50.5      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 50.5      | 50.5   | 50.5   | 50.5   |           |       |       |       |           |       |
| 55 | Copper                            | ug/dscm           | 364.5     | 154.2     | 280.3     | 266.3     |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 364.5     | 154.2  | 280.3  | 266.3  |           |       |       |       |           |       |
| 56 | Iron                              | ug/dscm           | 4205.2    | 4205.2    | 2242.8    | 3551.1    |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 4205.2    | 4205.2 | 2242.8 | 3551.1 |           |       |       |       |           |       |
| 57 | Lead                              | ug/dscm           | 40.7      | 40.7      | 40.7      | 40.7      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 40.7      | 40.7   | 40.7   | 40.7   |           |       |       |       |           |       |
| 58 | Manganese                         | ug/dscm           | 78.5      | 120.5     | 47.7      | 82.2      |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 78.5      | 120.5  | 47.7   | 82.2   |           |       |       |       |           |       |
| 59 | Mercury                           | ug/dscm           | 7.6       | 7.6       | 7.6       | 7.6       |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 7.6       | 7.6    | 7.6    | 7.6    |           |       |       |       |           |       |
| 60 | Molybdenum                        | ug/dscm           | 210.3     | 210.3     | 210.3     | 210.3     |          |          |          |           |          |          |          |           |       |       |       |           |       |       |       | 210.3     | 210.3  | 210.3  | 210.3  |           |       |       |       |           |       |

|    | B                                 | C                 | D        | E  | F         | G  | H         | I  | J         | K         | L         | M  | N         | O  | P         | Q  | R         | S         | T         | U  | V         | W  | X         | Y  | Z         | AA        | AB        |  |
|----|-----------------------------------|-------------------|----------|----|-----------|----|-----------|----|-----------|-----------|-----------|----|-----------|----|-----------|----|-----------|-----------|-----------|----|-----------|----|-----------|----|-----------|-----------|-----------|--|
| 61 | Nickel                            |                   | ug/dscm  |    | 224.3     |    | 210.3     |    | 117.7     |           | 184.1     |    |           |    |           |    |           |           |           |    | 224.3     |    | 210.3     |    | 117.7     |           | 184.1     |  |
| 62 | Selenium                          |                   | ug/dscm  |    | 28.0      |    | 28.0      |    | 28.0      |           | 28.0      |    |           |    |           |    |           |           |           |    | 28.0      |    | 28.0      |    | 28.0      |           | 28.0      |  |
| 63 | Silver                            |                   | ug/dscm  |    | 133.2     |    | 131.8     |    | 133.2     |           | 132.7     |    |           |    |           |    |           |           |           |    | 133.2     |    | 131.8     |    | 133.2     |           | 132.7     |  |
| 64 | Thallium                          |                   | ug/dscm  |    | 126.2     |    | 124.8     |    | 126.2     |           | 125.7     |    |           |    |           |    |           |           |           |    | 126.2     |    | 124.8     |    | 126.2     |           | 125.7     |  |
| 65 | Vanadium                          |                   | ug/dscm  |    | 364.5     |    | 364.5     |    | 364.5     |           | 364.5     |    |           |    |           |    |           |           |           |    | 364.5     |    | 364.5     |    | 364.5     |           | 364.5     |  |
| 66 | Zinc                              |                   | ug/dscm  |    | 406.5     |    | 392.5     |    | 280.3     |           | 359.8     |    |           |    |           |    |           |           |           |    | 406.5     |    | 392.5     |    | 280.3     |           | 359.8     |  |
| 67 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 68 | SVM                               |                   | ug/dscm  |    | 74.3      |    | 74.3      |    | 74.3      |           | 74.3      |    |           |    |           |    |           |           |           |    | 74.3      |    | 74.3      |    | 74.3      |           | 74.3      |  |
| 69 | LVM                               |                   | ug/dscm  |    | 138.8     |    | 144.4     |    | 182.2     |           | 155.1     |    |           |    |           |    |           |           |           |    | 138.8     |    | 144.4     |    | 182.2     |           | 155.1     |  |
| 70 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 71 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 72 | <b>707C11</b>                     | <b>Trial burn</b> |          | R1 |           | R2 |           | R3 |           | Cond Avg. |           | R1 |           | R2 |           | R3 |           | Cond Avg. |           | R1 |           | R2 |           | R3 |           | Cond Avg. |           |  |
| 73 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 74 | Feedstream Number                 |                   |          |    | F1        |    | F1        |    | F1        |           | F1        |    | F2        |    | F2        |    | F2        |           | F2        |    | F3        |    | F3        |    | F3        |           | F3        |  |
| 75 | Feed Class                        |                   |          |    | Liq HW    |    | Liq HW    |    | Liq HW    |           | Liq HW    |    | Spike     |    | Spike     |    | Spike     |           | Spike     |    | Total     |    | Total     |    | Total     |           | Total     |  |
| 76 | Feed Class 2                      |                   |          |    | HW        |    | HW        |    | HW        |           | HW        |    | Spike     |    | Spike     |    | Spike     |           | Spike     |    | Total     |    | Total     |    | Total     |           | Total     |  |
| 77 | Feedstream Description            |                   |          |    | Liq waste |    | Liq waste |    | Liq waste |           | Liq waste |    | Spike     |    | Spike     |    | Spike     |           | Spike     |    | Total     |    | Total     |    | Total     |           | Total     |  |
| 78 | Feed Rate                         |                   | lb/hr    |    | 15360     |    | 15360     |    | 15360     |           | 15360.0   |    | 120.2     |    | 118.4     |    | 124.2     |           |           |    | 15480.2   |    | 15478.4   |    | 15484.2   |           | 15360.0   |  |
| 79 | Feed Rate                         |                   | scfm     |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    | 19250.0   |    |           |    |           |           |           |  |
| 80 | Density                           |                   | g/ml     |    | 1.03      |    | 1.03      |    | 1.04      |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 81 | Viscosity                         |                   | cSt      |    | 1.92      |    | 1.75      |    | 1.85      |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 82 | Heating Value                     |                   | Btu/lb   |    | 4940.0    |    | 3320      |    | 4220      |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 83 | Thermal Feedrate                  |                   | MMBtu/hr |    | 86.9      |    | 86.7      |    | 88        |           | 87.1      |    |           |    |           |    |           |           |           |    | 86.9      |    | 86.7      |    | 87.8      |           | 87.1      |  |
| 84 | Ash                               |                   | lb/hr    |    | 559.0     |    | 553.0     |    | 378       |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 85 | Chlorine                          |                   | lb/hr    |    | 138.6     |    | 60.1      |    | 37.17     |           |           |    | 58        |    | 56.83     |    | 59.62     |           |           |    |           |    |           |    |           |           |           |  |
| 86 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 87 | Stack Gas Flowrate                |                   | dscfm    |    | 17207.0   |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           | 18060     |  |
| 88 | Oxygen                            |                   | %        |    | 8.7       |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           | 8.7       |  |
| 89 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 90 | Estimated Firing Rate             |                   | MMBtu/hr |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           | 71        |  |
| 91 |                                   |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 92 | <i>Feedrate MTEC Calculations</i> |                   |          |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |    |           |    |           |    |           |           |           |  |
| 93 | Ash                               |                   | mg/dscm  |    | 9886.6    |    | 9780.5    |    | 6685.4    |           | 8784.2    |    |           |    |           |    |           |           |           |    | 9886.6    |    | 9780.5    |    | 6685.4    |           | 8784.2    |  |
| 94 | Chlorine                          |                   | ug/dscm  |    | 2450430.9 |    | 1062236.6 |    | 657398.2  |           | 1390021.9 |    | 1020497.0 |    | 1005110.0 |    | 1054454.6 |           | 1026687.2 |    | 3470927.9 |    | 2067346.6 |    | 1711852.8 |           | 2416709.1 |  |

|    | B                      | C       | D       | E         | F           | G           | H           | I           | J          | K          | L          | M       | N       | O       | P       | Q       | R       | S       | T       | U       | V       | W       | X       | Y       | Z       | AA     |
|----|------------------------|---------|---------|-----------|-------------|-------------|-------------|-------------|------------|------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 1  | <b>Feedstream 2</b>    |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 2  |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 3  |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 4  | <b>707C1</b>           |         | R1      | R2        | R3          | R1          | R2          | R3          | R1         | R2         | R3         | R1      | R2      | R3      | R1      | R2      | R3      | R1      | R2      | R3      | R1      | R2      |         |         |         |        |
| 5  |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 6  | Feedstream Number      |         | F1      | F1        | F1          | F2          | F2          | F2          | F3         | F3         | F3         | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3     |
| 7  | Feed Class             |         | Liq HW  | Liq HW    | Liq HW      | Liq HW      | Liq HW      | Liq HW      | Liq HW     | Liq HW     | Liq HW     | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW |
| 8  | Feed Class 2           |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         | HW      |         | HW      |        |
| 9  | Feedstream Description |         | Organic | Organic   | Organic     | Aqueous     | Aqueous     | Aqueous     | Organic    | Organic    | Organic    | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic |        |
| 10 | Feedrate               | gpm     |         |           |             | 41          | 40          | 40          |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 11 | Heating value          | Btu/lb  |         |           |             | 0           | 0           | 0           |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 12 | Ash                    | wt %    | 0.01    | 0.01      | 0.01        | 2.54        | 3.31        | 2.38        |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 13 | Chlorine               | ppmw    | 13500   | 14400     | 13500       | 21600       | 22300       | 21300       |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 14 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 15 | Ash                    | lb/hr   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 16 | Chlorine               | lb/hr   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 17 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 18 | Stack Gas Flowrate     | dscfm   | 19350   | 20250     | 19400       | 19350       | 20250       | 19400       |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 19 | Oxygen                 | %       | 4.0     | 5.1       | 4.7         | 4.0         | 5.1         | 4.7         |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 20 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 21 | Ash                    | mg/dscm |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 22 | Chlorine               | ug/dscm |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 23 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 24 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 25 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 26 | <b>707C2</b>           |         | R1      | R2        | R3          | R1          | R2          | R3          | R1         | R2         | R3         | R1      | R2      | R3      | R1      | R2      | R3      | R1      | R2      | R3      | R1      | R2      |         |         |         |        |
| 27 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 28 | Feedstream Number      |         | F1      | F1        | F1          | F2          | F2          | F2          | F3         | F3         | F3         | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      | F3      |        |
| 29 | Feed Class             |         | Liq HW  | Liq HW    | Liq HW      | Liq HW      | Liq HW      | Liq HW      | Liq HW     | Liq HW     | Liq HW     | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  |        |
| 30 | Feed Class 2           |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         | HW      |         | HW      |        |
| 31 | Feedstream Description |         | Organic | Organic   | Organic     | Aqueous     | Aqueous     | Aqueous     | Organic    | Organic    | Organic    | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic |        |
| 32 | Feedrate               | lb/hr   | 1528.48 | 1485.1129 | 1531.752768 | 19686.30888 | 19686.30888 | 18687.73032 | 142.165884 | 142.358412 | 145.35864  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 33 | Heating value          | Btu/lb  | 17280   | 16365     | 15933       | 776         | 805         | 635         | 6660       | 7040       | 5827       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 34 | Ash                    | wt %    | 0.07    | 0.01      | 0.02        | 3.22        | 3.73        | 3.49        | 0.01       | 0.02       | 0.01       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 35 | Chlorine               | ppmw    | 13100   | 14000     | 8900        | 23900       | 18800       | 22300       | 642000     | 643000     | 746000     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 36 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 37 | Ash                    | lb/hr   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 38 | Chlorine               | lb/hr   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 39 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 40 | Stack Gas Flowrate     | dscfm   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 41 | Oxygen                 | %       |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 42 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 43 | Ash                    | mg/dscm |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 44 | Chlorine               | ug/dscm |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 45 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 46 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 47 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 48 | <b>707C3</b>           |         |         |           |             | R1          | R2          | R3          | R1         | R2         | R3         | R1      | R2      | R3      | R1      | R2      | R3      | R1      | R2      | R3      | R1      | R2      |         |         |         |        |
| 49 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 50 | Feedstream Number      |         |         |           |             | F1          | F1          | F1          | F2         | F2         | F2         | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      | F2      |        |
| 51 | Feed Class             |         |         |           |             | Liq HW      | Liq HW      | Liq HW      | Liq HW     | Liq HW     | Liq HW     | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  | Liq HW  |        |
| 52 | Feed Class 2           |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         | HW      |         | HW      |        |
| 53 | Feedstream Description |         |         |           |             | Aqueous     | Aqueous     | Aqueous     | Organic    | Organic    | Organic    | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic | Organic |        |
| 54 | Feedrate               | lb/hr   |         |           |             | 21283.24842 | 20722.4304  | 21220.75704 | 144.668748 | 143.657976 | 142.855776 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 55 | Heating value          | Btu/lb  |         |           |             | 823         | 766         | 897         | 8433       | 8816       | 6854       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 56 | Ash                    | wt %    |         |           |             | 2.49        | 3.92        | 3.49        | 0.01       | 0.01       | 0.01       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 57 | Chlorine               | ppmw    |         |           |             | 22000       | 21000       | 21900       | 703000     | 629000     | 681000     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 58 |                        |         |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 59 | Ash                    | lb/hr   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 60 | Chlorine               | lb/hr   |         |           |             |             |             |             |            |            |            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |

|    | B                      | AB | AC | AD         | AE | AF        | AG | AH         | A | AJ        | AK | AL | AM | AN | AO | AP |
|----|------------------------|----|----|------------|----|-----------|----|------------|---|-----------|----|----|----|----|----|----|
| 1  | <b>Feedstream 2</b>    |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 2  |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 3  |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 4  | <b>707C1</b>           | R3 |    | R1         |    | R2        |    | R3         |   | Cond Avg  |    |    |    |    |    |    |
| 5  |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 6  | Feedstream Number      |    |    | F4         |    | F4        |    | F4         |   | F4        |    |    |    |    |    |    |
| 7  | Feed Class             |    |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 8  | Feed Class 2           | HW |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 9  | Feedstream Description |    |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 10 | Feedrate               |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 11 | Heating value          |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 12 | Ash                    |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 13 | Chlorine               |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 14 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 15 | Ash                    |    |    | 540        |    | 686       |    | 493        |   |           |    |    |    |    |    |    |
| 16 | Chlorine               |    |    | 459        |    | 462       |    | 441        |   |           |    |    |    |    |    |    |
| 17 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 18 | Stack Gas Flowrate     |    |    | 19350      |    | 20250     |    | 19400      |   | 19667     |    |    |    |    |    |    |
| 19 | Oxygen                 |    |    | 4          |    | 5.1       |    | 4.7        |   | 4.6       |    |    |    |    |    |    |
| 20 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 21 | Ash                    |    |    | 6144.8     |    | 7975.3    |    | 5835.8     |   | 6652.0    |    |    |    |    |    |    |
| 22 | Chlorine               |    |    | 5223107.9  |    | 5371134.5 |    | 5220300.0  |   | 5271514.1 |    |    |    |    |    |    |
| 23 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 24 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 25 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 26 | <b>707C2</b>           | R3 |    | R1         |    | R2        |    | R3         |   | Cond Avg  |    |    |    |    |    |    |
| 27 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 28 | Feedstream Number      |    |    | F4         |    | F4        |    | F4         |   | F4        |    |    |    |    |    |    |
| 29 | Feed Class             |    |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 30 | Feed Class 2           | HW |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 31 | Feedstream Description |    |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 32 | Feedrate               |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 33 | Heating value          |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 34 | Ash                    |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 35 | Chlorine               |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 36 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 37 | Ash                    |    |    | 633        |    | 732       |    | 651        |   |           |    |    |    |    |    |    |
| 38 | Chlorine               |    |    | 581        |    | 482       |    | 530        |   |           |    |    |    |    |    |    |
| 39 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 40 | Stack Gas Flowrate     |    |    | 19616.6667 |    | 20450     |    | 19733.3333 |   |           |    |    |    |    |    |    |
| 41 | Oxygen                 |    |    | 5.3        |    | 5.9       |    | 5.3        |   |           |    |    |    |    |    |    |
| 42 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 43 | Ash                    |    |    | 7693.5     |    | 8873.3    |    | 7865.5     |   | 8144.1    |    |    |    |    |    |    |
| 44 | Chlorine               |    |    | 7061508.2  |    | 5842826.4 |    | 6403567.2  |   | 6435967.3 |    |    |    |    |    |    |
| 45 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 46 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 47 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 48 | <b>707C3</b>           | R3 |    | R1         |    | R2        |    | R3         |   | Cond Avg  |    |    |    |    |    |    |
| 49 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 50 | Feedstream Number      |    |    | F3         |    | F3        |    | F3         |   | F3        |    |    |    |    |    |    |
| 51 | Feed Class             |    |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 52 | Feed Class 2           | HW |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 53 | Feedstream Description |    |    | Total      |    | Total     |    | Total      |   | Total     |    |    |    |    |    |    |
| 54 | Feedrate               |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 55 | Heating value          |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 56 | Ash                    |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 57 | Chlorine               |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 58 |                        |    |    |            |    |           |    |            |   |           |    |    |    |    |    |    |
| 59 | Ash                    |    |    | 528        |    | 810       |    | 739        |   |           |    |    |    |    |    |    |
| 60 | Chlorine               |    |    | 569        |    | 523       |    | 535        |   |           |    |    |    |    |    |    |

|     | B                      | C | D       | E | F       | G | H       | I | J       | K | L           | M | N          | O | P           | Q | R         | S | T       | U | V       | W | X  | Y         | Z  | AA |
|-----|------------------------|---|---------|---|---------|---|---------|---|---------|---|-------------|---|------------|---|-------------|---|-----------|---|---------|---|---------|---|----|-----------|----|----|
| 61  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 62  | Stack Gas Flowrate     |   | dscfm   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 63  | Oxygen                 |   | %       |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 64  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 65  | Ash                    |   | mg/dscm |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 66  | Chlorine               |   | ug/dscm |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 67  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 68  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 69  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 70  | <b>707C4</b>           |   |         |   | R1      |   | R2      |   | R3      |   | R1          |   | R2         |   | R3          |   | R1        |   | R2      |   | R3      |   | R1 |           | R2 |    |
| 71  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 72  | Feedstream Number      |   |         |   | F1      |   | F1      |   | F1      |   | F2          |   | F2         |   | F2          |   | F3        |   | F3      |   | F3      |   |    |           |    |    |
| 73  | Feed Class             |   |         |   | Liq HW  |   | Liq HW  |   | Liq HW  |   | Liq HW      |   | Liq HW     |   | Liq HW      |   | Liq HW    |   | Liq HW  |   | Liq HW  |   |    |           |    |    |
| 74  | Feed Class 2           |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   | HW |           | HW |    |
| 75  | Feedstream Description |   |         |   | Organic |   | Organic |   | Organic |   | Aqueous     |   | Aqueous    |   | Aqueous     |   | Organic   |   | Organic |   | Organic |   |    |           |    |    |
| 76  | Feedrate               |   | gpm     |   | 2315    |   | 2361    |   | 2361    |   | 21076.04016 |   | 21613.6746 |   | 21637.25928 |   | 146.16084 |   |         |   | 0.2     |   |    | 0.2       |    |    |
| 77  | Heating value          |   | Btu/lb  |   | 19254   |   | 17271   |   | 19262   |   | 1028        |   | 1064       |   | 1090        |   | 7058      |   |         |   | 0       |   |    | 0         |    |    |
| 78  | Ash                    |   | wt %    |   | 0.01    |   | 0.02    |   | 0.03    |   | 3.04        |   | 3.12       |   | 3.14        |   | 0.01      |   |         |   | 0       |   |    | 0         |    |    |
| 79  | Chlorine               |   | ppmw    |   | 14700   |   | 16400   |   | 11600   |   | 18100       |   | 17800      |   | 17600       |   | 727000    |   |         |   | 0       |   |    |           |    |    |
| 80  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 81  | Ash                    |   | lb/hr   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 82  | Chlorine               |   | lb/hr   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 83  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 84  | Stack Gas Flowrate     |   | dscfm   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 85  | Oxygen                 |   | %       |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 86  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 87  | Ash                    |   | mg/dscm |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 88  | Chlorine               |   | ug/dscm |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 89  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 90  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 91  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 92  | <b>707C7</b>           |   |         |   |         |   |         |   |         |   | R1          |   | R2         |   | R3          |   |           |   |         |   |         |   |    |           |    |    |
| 93  |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 94  | Feedstream Number      |   |         |   |         |   |         |   |         |   | F1          |   | F1         |   | F1          |   |           |   |         |   |         |   |    |           |    |    |
| 95  | Feed Class             |   |         |   |         |   |         |   |         |   | Liq HW      |   | Liq HW     |   | Liq HW      |   |           |   |         |   |         |   |    |           |    |    |
| 96  | Feed Class 2           |   |         |   |         |   |         |   |         |   | HW          |   | HW         |   | HW          |   |           |   |         |   |         |   |    |           |    |    |
| 97  | Feedstream Description |   |         |   |         |   |         |   |         |   | Aqueous     |   | Aqueous    |   | Aqueous     |   |           |   |         |   |         |   |    |           |    |    |
| 98  | Feedrate               |   | gpm     |   |         |   |         |   |         |   | 49          |   | 48         |   | 48          |   |           |   |         |   |         |   |    |           |    |    |
| 99  | Heating value          |   | Btu/lb  |   |         |   |         |   |         |   | 0           |   | 0          |   | 0           |   |           |   |         |   |         |   |    |           |    |    |
| 100 | Ash                    |   | wt %    |   |         |   |         |   |         |   | 4.19        |   | 3.92       |   | 3.96        |   |           |   |         |   |         |   |    |           |    |    |
| 101 | Chlorine               |   | ppmw    |   |         |   |         |   |         |   | 23200       |   | 23300      |   | 23600       |   |           |   |         |   |         |   |    |           |    |    |
| 102 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 103 | Ash                    |   | lb/hr   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 104 | Chlorine               |   | lb/hr   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 105 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 106 | Stack Gas Flowrate     |   | dscfm   |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 107 | Oxygen                 |   | %       |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 108 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 109 | Ash                    |   | mg/dscm |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 110 | Chlorine               |   | ug/dscm |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 111 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 112 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 113 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 114 | <b>707C8</b>           |   |         |   | R1      |   | R2      |   | R3      |   | R1          |   | R2         |   | R3          |   | R1        |   | R2      |   | R3      |   | R1 |           | R2 |    |
| 115 |                        |   |         |   |         |   |         |   |         |   |             |   |            |   |             |   |           |   |         |   |         |   |    |           |    |    |
| 116 | Feedstream Number      |   |         |   |         |   |         |   |         |   | F1          |   | F1         |   | F1          |   |           |   |         |   |         |   |    |           |    |    |
| 117 | Feed Class             |   |         |   |         |   |         |   |         |   | Liq HW      |   | Liq HW     |   | Liq HW      |   |           |   |         |   |         |   |    |           |    |    |
| 118 | Feed Class 2           |   |         |   |         |   |         |   |         |   | HW          |   | HW         |   | HW          |   |           |   |         |   |         |   |    |           |    |    |
| 119 | Feedstream Description |   |         |   |         |   |         |   |         |   | Aqueous     |   |            |   |             |   | Organic   |   |         |   |         |   |    | Brine Mix |    |    |
| 120 | Feedrate               |   | gpm     |   |         |   |         |   |         |   | 49          |   | 46         |   | 48          |   |           |   |         |   |         |   |    |           |    |    |

|     | B                      | AB | AC | AD        | AE | AF        | AG | AH         | AI | AJ        | AK | AL | AM | AN | AO | AP |
|-----|------------------------|----|----|-----------|----|-----------|----|------------|----|-----------|----|----|----|----|----|----|
| 61  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 62  | Stack Gas Flowrate     |    |    | 19883.3   |    | 20633.3   |    | 19350.0    |    |           |    |    |    |    |    |    |
| 63  | Oxygen                 |    |    | 6.0       |    | 4.6       |    | 4.8        |    |           |    |    |    |    |    |    |
| 64  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 65  | Ash                    |    |    | 6626.7    |    | 8960.2    |    | 8824.6     |    | 8137.2    |    |    |    |    |    |    |
| 66  | Chlorine               |    |    | 7141312.2 |    | 5785416.8 |    | 6388575.0  |    | 6438434.7 |    |    |    |    |    |    |
| 67  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 68  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 69  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 70  | <b>707C4</b>           | R3 |    | R1        |    | R2        |    | R3         |    | Cond Avg  |    |    |    |    |    |    |
| 71  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 72  | Feedstream Number      |    |    | F4        |    | F4        |    | F4         |    | F4        |    |    |    |    |    |    |
| 73  | Feed Class             |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 74  | Feed Class 2           | HW |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 75  | Feedstream Description |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 76  | Feedrate               |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 77  | Heating value          |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 78  | Ash                    |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 79  | Chlorine               |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 80  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 81  | Ash                    |    |    | 639       |    | 673       |    | 679        |    |           |    |    |    |    |    |    |
| 82  | Chlorine               |    |    | 524       |    | 519       |    | 531        |    |           |    |    |    |    |    |    |
| 83  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 84  | Stack Gas Flowrate     |    |    | 20050     |    | 20100     |    | 19633.3333 |    | 19928     |    |    |    |    |    |    |
| 85  | Oxygen                 |    |    | 7.8       |    | 6.3       |    | 5.6        |    | 6.6       |    |    |    |    |    |    |
| 86  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 87  | Ash                    |    |    | 9037.7    |    | 8526.0    |    | 8406.2     |    | 8656.7    |    |    |    |    |    |    |
| 88  | Chlorine               |    |    | 7411211.1 |    | 6575066.8 |    | 6573943.4  |    | 6853407.1 |    |    |    |    |    |    |
| 89  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 90  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 91  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 92  | <b>707C7</b>           |    |    | R1        |    | R2        |    | R3         |    | Cond Avg  |    |    |    |    |    |    |
| 93  |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 94  | Feedstream Number      |    |    | F2        |    | F2        |    | F2         |    | F2        |    |    |    |    |    |    |
| 95  | Feed Class             |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 96  | Feed Class 2           |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 97  | Feedstream Description |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 98  | Feedrate               |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 99  | Heating value          |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 100 | Ash                    |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 101 | Chlorine               |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 102 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 103 | Ash                    |    |    | 1064      |    | 975       |    | 985        |    |           |    |    |    |    |    |    |
| 104 | Chlorine               |    |    | 589       |    | 579       |    | 587        |    |           |    |    |    |    |    |    |
| 105 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 106 | Stack Gas Flowrate     |    |    | 20816.7   |    | 20850.0   |    | 21383.3    |    |           |    |    |    |    |    |    |
| 107 | Oxygen                 |    |    | 4.5       |    | 5.5       |    | 5.1        |    |           |    |    |    |    |    |    |
| 108 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 109 | Ash                    |    |    | 11595.6   |    | 11293.1   |    | 10844.5    |    | 11244.4   |    |    |    |    |    |    |
| 110 | Chlorine               |    |    | 6418985.1 |    | 6706362.3 |    | 6462666.9  |    | 6529338.1 |    |    |    |    |    |    |
| 111 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 112 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 113 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 114 | <b>707C8</b>           | R3 |    | R1        |    | R2        |    | R3         |    | Cond Avg  |    |    |    |    |    |    |
| 115 |                        |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |
| 116 | Feedstream Number      |    |    | F2        |    | F2        |    | F2         |    | F2        |    |    |    |    |    |    |
| 117 | Feed Class             |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 118 | Feed Class 2           |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 119 | Feedstream Description |    |    | Total     |    | Total     |    | Total      |    | Total     |    |    |    |    |    |    |
| 120 | Feedrate               |    |    |           |    |           |    |            |    |           |    |    |    |    |    |    |



|     | B                      | C | D       | E | F        | G | H         | I | J           | K | L          | M | N           | O | P           | Q | R          | S | T          | U | V          | W | X  | Y | Z  | AA |  |  |
|-----|------------------------|---|---------|---|----------|---|-----------|---|-------------|---|------------|---|-------------|---|-------------|---|------------|---|------------|---|------------|---|----|---|----|----|--|--|
| 121 | Heating value          |   | Btu/lb  |   |          |   |           |   |             |   | 0          |   | 0           |   | 0           |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 122 | Ash                    |   | wt %    |   |          |   |           |   |             |   | 4.11       |   | 4.03        |   | 4.17        |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 123 | Chlorine               |   | ppmw    |   |          |   |           |   |             |   | 23100      |   | 24200       |   | 23500       |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 124 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 125 | Ash                    |   | lb/hr   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 126 | Chlorine               |   | lb/hr   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 127 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 128 | Stack Gas Flowrate     |   | dscfm   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 129 | Oxygen                 |   | %       |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 130 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 131 | Ash                    |   | mg/dscm |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 132 | Chlorine               |   | ug/dscm |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 133 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 134 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 135 | <b>707C9</b>           |   |         |   | R1       |   | R2        |   | R3          |   | R1         |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |  |  |
| 136 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 137 | Feedstream Number      |   | F1      |   | F1       |   | F1        |   | F2          |   | F2         |   | F2          |   | F3          |   | F3         |   | F3         |   |            |   |    |   |    |    |  |  |
| 138 | Feed Class             |   | Liq HW  |   | Liq HW   |   | Liq HW    |   | Liq HW      |   | Liq HW     |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |  |  |
| 139 | Feed Class 2           |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   | HW |   |    | HW |  |  |
| 140 | Feedstream Description |   | Organic |   | Organic  |   | Organic   |   | Aqueous     |   | Aqueous    |   | Aqueous     |   | Organic     |   | Organic    |   | Organic    |   |            |   |    |   |    |    |  |  |
| 141 | Feedrate               |   | lb/hr   |   | 1941.356 |   | 1896.2083 |   | 1896.208272 |   | 21782.1366 |   | 22321.45566 |   | 22321.45566 |   | 147.171612 |   | 147.171612 |   | 144.460176 |   |    |   |    |    |  |  |
| 142 | Heating value          |   | Btu/lb  |   | 15966    |   | 18892     |   | 15820       |   | 1115       |   | 1332        |   | 1004        |   | 6960       |   | 7074       |   | 7378       |   |    |   |    |    |  |  |
| 143 | Ash                    |   | wt %    |   | 0.03     |   | 0.02      |   | 0.02        |   | 4.14       |   | 4.14        |   | 4.12        |   | 0.01       |   | 0.01       |   | 0.01       |   |    |   |    |    |  |  |
| 144 | Chlorine               |   | ppmw    |   | 14900    |   | 15500     |   | 15000       |   | 21400      |   | 23200       |   | 24100       |   | 741000     |   | 736000     |   | 699000     |   |    |   |    |    |  |  |
| 145 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 146 | Ash                    |   | lb/hr   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 147 | Chlorine               |   | lb/hr   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 148 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 149 | Stack Gas Flowrate     |   | dscfm   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 150 | Oxygen                 |   | %       |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 151 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 152 | Ash                    |   | mg/dscm |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 153 | Chlorine               |   | ug/dscm |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 154 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 155 | <b>707A1</b>           |   |         |   | R1       |   | R2        |   | R3          |   | R1         |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |  |  |
| 156 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 157 | Feedstream Number      |   | F1      |   | F1       |   | F1        |   | F2          |   | F2         |   | F2          |   | F3          |   | F3         |   | F3         |   |            |   |    |   |    |    |  |  |
| 158 | Feed Class             |   | Liq HW  |   | Liq HW   |   | Liq HW    |   | Liq HW      |   | Liq HW     |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |  |  |
| 159 | Feed Class 2           |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   | HW |   |    | HW |  |  |
| 160 | Feedstream Description |   | Organic |   | Organic  |   | Organic   |   | Aqueous     |   | Aqueous    |   | Aqueous     |   | Organic     |   | Organic    |   | Organic    |   |            |   |    |   |    |    |  |  |
| 161 | Feedrate               |   | gpm     |   | 4.1      |   | 4.1       |   | 4.1         |   | 43         |   | 43          |   | 43          |   | 0.2        |   | 0.2        |   | 0.2        |   |    |   |    |    |  |  |
| 162 | Heating value          |   | Btu/lb  |   | 0        |   | 0         |   | 0           |   | 0          |   | 0           |   | 0           |   | 0          |   | 0          |   | 0          |   |    |   |    |    |  |  |
| 163 | Ash                    |   | wt %    |   | 0.05     |   | 0.02      |   | 0.03        |   | 3.42       |   | 3.68        |   | 3.72        |   | 0.01       |   | 0.01       |   | 0.03       |   |    |   |    |    |  |  |
| 164 | Chlorine               |   | ppmw    |   | 17500    |   | 22100     |   | 17600       |   | 24000      |   | 24300       |   | 23500       |   | 666000     |   | 632000     |   | 695000     |   |    |   |    |    |  |  |
| 165 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 166 | Ash                    |   | lb/hr   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 167 | Chlorine               |   | lb/hr   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 168 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 169 | Stack Gas Flowrate     |   | dscfm   |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 170 | Oxygen                 |   | %       |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 171 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 172 | Ash                    |   | mg/dscm |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 173 | Chlorine               |   | ug/dscm |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 174 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 175 | <b>707A2</b>           |   |         |   | R1       |   | R2        |   | R3          |   | R1         |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |  |  |
| 176 |                        |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |  |  |
| 177 | Feedstream Number      |   | F1      |   | F1       |   | F1        |   | F2          |   | F2         |   | F2          |   | F3          |   | F3         |   | F3         |   |            |   |    |   |    |    |  |  |
| 178 | Feed Class             |   | Liq HW  |   | Liq HW   |   | Liq HW    |   | Liq HW      |   | Liq HW     |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |  |  |
| 179 | Feed Class 2           |   |         |   |          |   |           |   |             |   |            |   |             |   |             |   |            |   |            |   |            |   | HW |   |    | HW |  |  |
| 180 | Feedstream Description |   | Organic |   | Organic  |   | Organic   |   | Aqueous     |   | Aqueous    |   | Aqueous     |   | Organic     |   | Organic    |   | Organic    |   |            |   |    |   |    |    |  |  |

|     | B                      | AB | AC | AD         | AE | AF         | AG | AH         | A | AJ        | AK | AL    | AM | AN    | AO | AP    |
|-----|------------------------|----|----|------------|----|------------|----|------------|---|-----------|----|-------|----|-------|----|-------|
| 121 | Heating value          |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 122 | Ash                    |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 123 | Chlorine               |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 124 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 125 | Ash                    |    |    | 1043       |    | 960        |    | 1037       |   |           |    |       |    |       |    |       |
| 126 | Chlorine               |    |    | 586        |    | 577        |    | 584        |   |           |    |       |    |       |    |       |
| 127 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 128 | Stack Gas Flowrate     |    |    | 20316.7    |    | 19816.7    |    | 19933.3    |   |           |    |       |    |       |    |       |
| 129 | Oxygen                 |    |    | 4.9        |    | 6.0        |    | 8.3        |   |           |    |       |    |       |    |       |
| 130 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 131 | Ash                    |    |    | 11935.8    |    | 12089.1    |    | 15333.5    |   | 13119.5   |    |       |    |       |    |       |
| 132 | Chlorine               |    |    | 6706029.9  |    | 7266079.6  |    | 8635259.6  |   | 7535789.7 |    |       |    |       |    |       |
| 133 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 134 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 135 | <b>707C9</b>           | R3 |    | R1         |    | R2         |    | R3         |   | Cond Avg  |    |       |    |       |    |       |
| 136 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 137 | Feedstream Number      |    |    | F4         |    | F4         |    | F4         |   | F4        |    |       |    |       |    |       |
| 138 | Feed Class             |    |    | Total      |    | Total      |    | Total      |   | Total     |    |       |    |       |    |       |
| 139 | Feed Class 2           | HW |    | Total      |    | Total      |    | Total      |   | Total     |    |       |    |       |    |       |
| 140 | Feedstream Description |    |    | Total      |    | Total      |    | Total      |   | Total     |    |       |    |       |    |       |
| 141 | Feedrate               |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 142 | Heating value          |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 143 | Ash                    |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 144 | Chlorine               |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 145 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 146 | Ash                    |    |    | 900        |    | 931        |    | 917        |   |           |    |       |    |       |    |       |
| 147 | Chlorine               |    |    | 614        |    | 661        |    | 666        |   |           |    |       |    |       |    |       |
| 148 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 149 | Stack Gas Flowrate     |    |    | 19833.3    |    | 19683.3    |    | 20200.0    |   |           |    |       |    |       |    |       |
| 150 | Oxygen                 |    |    | 6.9        |    | 6.3        |    | 5.4        |   |           |    |       |    |       |    |       |
| 151 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 152 | Ash                    |    |    | 12046.9    |    | 12044.3    |    | 10892.8    |   | 11661.3   |    |       |    |       |    |       |
| 153 | Chlorine               |    |    | 8218636.1  |    | 8551290.9  |    | 7911238.3  |   | 8227055.1 |    |       |    |       |    |       |
| 154 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 155 | <b>707A1</b>           | R3 |    | R1         |    | R2         |    | R3         |   | Cond Avg  |    |       |    |       |    |       |
| 156 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 157 | Feedstream Number      |    |    | F4         |    | F4         |    | F4         |   | F4        |    |       |    |       |    |       |
| 158 | Feed Class             |    |    | Total      |    | Total      |    | Total      |   | Total     |    |       |    |       |    |       |
| 159 | Feed Class 2           | HW |    | Total      |    | Total      |    | Total      |   | Total     |    |       |    |       |    |       |
| 160 | Feedstream Description |    |    | Total      |    | Total      |    | Total      |   | Total     |    |       |    |       |    |       |
| 161 | Feedrate               |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 162 | Heating value          |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 163 | Ash                    |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 164 | Chlorine               |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 165 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 166 | Ash                    |    |    | 830        |    | 820        |    | 829        |   |           |    |       |    |       |    |       |
| 167 | Chlorine               |    |    | 554        |    | 574        |    | 555        |   |           |    |       |    |       |    |       |
| 168 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 169 | Stack Gas Flowrate     |    |    | 20066.6667 |    | 19466.667  |    | 19133.3333 |   |           |    |       |    |       |    |       |
| 170 | Oxygen                 |    |    | 6.1        |    | 5.8        |    | 6          |   |           |    |       |    |       |    |       |
| 171 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 172 | Ash                    |    |    | 10391.1    |    | 10373.5    |    | 10812.3    |   | 10525.6   |    |       |    |       |    |       |
| 173 | Chlorine               |    |    | 6935766.5  |    | 7261442.7  |    | 7238645.2  |   | 7145284.8 |    |       |    |       |    |       |
| 174 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 175 | <b>707A2</b>           | R3 |    | R1         |    | R2         |    | R3         |   | Cond Avg  |    |       |    |       |    |       |
| 176 |                        |    |    |            |    |            |    |            |   |           |    |       |    |       |    |       |
| 177 | Feedstream Number      |    |    | F4         |    | F4         |    | F4         |   | F5        |    | F5    |    | F5    |    | F5    |
| 178 | Feed Class             |    |    | Liq non-HW |    | Liq non-HW |    | Liq non-HW |   | Total     |    | Total |    | Total |    | Total |
| 179 | Feed Class 2           | HW |    | Non-HW     |    | Non-HW     |    | Non-HW     |   | Total     |    | Total |    | Total |    | Total |
| 180 | Feedstream Description |    |    | Brine Mix  |    | Brine Mix  |    | Brine Mix  |   | Total     |    | Total |    | Total |    | Total |

|     | B                      | C | D       | E | F | G | H | I | J | K | L           | M | N           | O | P           | Q | R          | S | T          | U | V          | W | X  | Y | Z  | AA |
|-----|------------------------|---|---------|---|---|---|---|---|---|---|-------------|---|-------------|---|-------------|---|------------|---|------------|---|------------|---|----|---|----|----|
| 181 | Feedrate               |   | gpm     |   |   |   |   |   |   |   | 40          |   | 40          |   | 40          |   | 0.2        |   | 0.2        |   | 0.2        |   |    |   |    |    |
| 182 | Heating value          |   | Btu/lb  |   |   |   |   |   |   |   | 0           |   | 0           |   | 0           |   | 0          |   | 0          |   | 0          |   |    |   |    |    |
| 183 | Ash                    |   | wt %    |   |   |   |   |   |   |   | 3.3         |   | 3.26        |   | 3.22        |   | 0          |   | 0.04       |   | 0.01       |   |    |   |    |    |
| 184 | Chlorine               |   | ppmw    |   |   |   |   |   |   |   | 18500       |   | 19200       |   | 20900       |   | 0          |   | 696000     |   | 694000     |   |    |   |    |    |
| 185 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 186 | Ash                    |   | lb/hr   |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 187 | Chlorine               |   | lb/hr   |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 188 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 189 | Stack Gas Flowrate     |   | dscfm   |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 190 | Oxygen                 |   | %       |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 191 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 192 | Ash                    |   | mg/dscm |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 193 | Chlorine               |   | ug/dscm |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 194 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 195 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 196 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 197 | <b>707A3</b>           |   |         |   |   |   |   |   |   |   | R1          |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |
| 198 | Feedstream Number      |   |         |   |   |   |   |   |   |   | F1          |   | F1          |   | F1          |   | F2         |   | F2         |   | F2         |   |    |   |    |    |
| 199 | Feed Class             |   |         |   |   |   |   |   |   |   | Liq HW      |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |
| 200 | Feed Class 2           |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   | HW |   | HW |    |
| 201 | Feedstream Description |   |         |   |   |   |   |   |   |   | Aqueous     |   | Aqueous     |   | Aqueous     |   | Organic    |   | Organic    |   | Organic    |   |    |   |    |    |
| 202 | Feedrate               |   | gpm     |   |   |   |   |   |   |   | 25534.34688 |   | 25581.51624 |   | 25534.34688 |   | 145.166112 |   | 145.166112 |   | 145.166112 |   |    |   |    |    |
| 203 | Heating value          |   | Btu/lb  |   |   |   |   |   |   |   | 1104        |   | 865         |   | 1236        |   | 7491       |   | 7292       |   | 7580       |   |    |   |    |    |
| 204 | Ash                    |   | wt %    |   |   |   |   |   |   |   | 4.3         |   | 4.13        |   | 4.35        |   | 0.01       |   | 0.01       |   | 0.01       |   |    |   |    |    |
| 205 | Chlorine               |   | ppmw    |   |   |   |   |   |   |   | 25100       |   | 25100       |   | 22200       |   | 601000     |   | 672000     |   | 687000     |   |    |   |    |    |
| 206 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 207 | <b>707A4</b>           |   |         |   |   |   |   |   |   |   | R1          |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |
| 208 | Feedstream Number      |   |         |   |   |   |   |   |   |   | F1          |   | F1          |   | F1          |   | F2         |   | F2         |   | F2         |   |    |   |    |    |
| 209 | Feed Class             |   |         |   |   |   |   |   |   |   | Liq HW      |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |
| 210 | Feed Class 2           |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   | HW |   | HW |    |
| 211 | Feedstream Description |   |         |   |   |   |   |   |   |   | Aqueous     |   | Aqueous     |   | Aqueous     |   | Organic    |   | Organic    |   | Organic    |   |    |   |    |    |
| 212 | Feedrate               |   | gpm     |   |   |   |   |   |   |   | 24469.5066  |   | 24492.12864 |   | 24469.5066  |   | 145.069848 |   | 144.668748 |   | 144.973584 |   |    |   |    |    |
| 213 | Heating value          |   | Btu/lb  |   |   |   |   |   |   |   | 1103        |   | 1057        |   | 850         |   | 7795       |   | 7756       |   | 7848       |   |    |   |    |    |
| 214 | Ash                    |   | wt %    |   |   |   |   |   |   |   | 4.32        |   | 4.29        |   | 4.32        |   | 0.01       |   | 0.01       |   | 0.01       |   |    |   |    |    |
| 215 | Chlorine               |   | ppmw    |   |   |   |   |   |   |   | 25200       |   | 24500       |   | 25400       |   | 693000     |   | 632000     |   | 695000     |   |    |   |    |    |
| 216 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 217 | <b>707A5</b>           |   |         |   |   |   |   |   |   |   | R1          |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |
| 218 | Feedstream Number      |   |         |   |   |   |   |   |   |   | F1          |   | F1          |   | F1          |   | F2         |   | F2         |   | F2         |   |    |   |    |    |
| 219 | Feed Class             |   |         |   |   |   |   |   |   |   | Liq HW      |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |
| 220 | Feed Class 2           |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   | HW |   | HW |    |
| 221 | Feedstream Description |   |         |   |   |   |   |   |   |   | Aqueous     |   | Aqueous     |   | Aqueous     |   | Organic    |   | Organic    |   | Organic    |   |    |   |    |    |
| 222 | Feedrate               |   | gpm     |   |   |   |   |   |   |   | 21866.3676  |   | 21866.3676  |   | 21842.78292 |   | 145.166112 |   | 145.069848 |   | 145.134024 |   |    |   |    |    |
| 223 | Heating value          |   | Btu/lb  |   |   |   |   |   |   |   | 925         |   | 1061        |   | 1053        |   | 7645       |   | 6897       |   | 7525       |   |    |   |    |    |
| 224 | Ash                    |   | wt %    |   |   |   |   |   |   |   | 4.32        |   | 4.35        |   | 4.48        |   | 0.01       |   | 0.01       |   | 0.01       |   |    |   |    |    |
| 225 | Chlorine               |   | ppmw    |   |   |   |   |   |   |   | 25100       |   | 25300       |   | 24000       |   | 694000     |   | 697000     |   | 680000     |   |    |   |    |    |
| 226 |                        |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   |    |   |    |    |
| 227 | <b>707A6</b>           |   |         |   |   |   |   |   |   |   | R1          |   | R2          |   | R3          |   | R1         |   | R2         |   | R3         |   | R1 |   | R2 |    |
| 228 | Feedstream Number      |   |         |   |   |   |   |   |   |   | F1          |   | F1          |   | F1          |   | F2         |   | F2         |   | F2         |   |    |   |    |    |
| 229 | Feed Class             |   |         |   |   |   |   |   |   |   | Liq HW      |   | Liq HW      |   | Liq HW      |   | Liq HW     |   | Liq HW     |   | Liq HW     |   |    |   |    |    |
| 230 | Feed Class 2           |   |         |   |   |   |   |   |   |   |             |   |             |   |             |   |            |   |            |   |            |   | HW |   | HW |    |
| 231 | Feedstream Description |   |         |   |   |   |   |   |   |   | Aqueous     |   | Aqueous     |   | Aqueous     |   | Organic    |   | Organic    |   | Organic    |   |    |   |    |    |
| 232 | Feedrate               |   | gpm     |   |   |   |   |   |   |   | 21802.35204 |   | 21866.3676  |   | 21822.56748 |   | 145.166112 |   | 145.166112 |   | 145.166112 |   |    |   |    |    |
| 233 | Heating value          |   | Btu/lb  |   |   |   |   |   |   |   | 1058        |   | 1178        |   | 1273        |   | 5740       |   | 6956       |   | 7796       |   |    |   |    |    |
| 234 | Ash                    |   | wt %    |   |   |   |   |   |   |   | 4.03        |   | 4.21        |   | 4.22        |   | 0.01       |   | 0.01       |   | 0.01       |   |    |   |    |    |
| 235 | Chlorine               |   | ppmw    |   |   |   |   |   |   |   | 25100       |   | 23900       |   | 24700       |   | 684000     |   | 688000     |   | 688000     |   |    |   |    |    |

|     | B                      | AB | AC | AD         | AE | AF        | AG | AH         | A | AJ       | AK | AL       | AM | AN       | AO | AP       |
|-----|------------------------|----|----|------------|----|-----------|----|------------|---|----------|----|----------|----|----------|----|----------|
| 181 | Feedrate               |    |    | 3528.90989 |    | 3574.2823 |    | 3574.28232 |   |          |    |          |    |          |    |          |
| 182 | Heating value          |    |    | 0          |    | 0         |    | 0          |   |          |    |          |    |          |    |          |
| 183 | Ash                    |    |    | 25.93      |    | 25.68     |    | 0          |   |          |    |          |    |          |    |          |
| 184 | Chlorine               |    |    | 152000     |    | 151000    |    | 156000     |   |          |    |          |    |          |    |          |
| 185 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 186 | Ash                    |    |    |            |    |           |    |            |   | 1598     |    | 1596     |    | 1598     |    |          |
| 187 | Chlorine               |    |    |            |    |           |    |            |   | 1021     |    | 1041     |    | 1095     |    |          |
| 188 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 189 | Stack Gas Flowrate     |    |    |            |    |           |    |            |   | 19250    |    | 19550    |    | 19550    |    |          |
| 190 | Oxygen                 |    |    |            |    |           |    |            |   | 8.9      |    | 6.9      |    | 6.3      |    |          |
| 191 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 192 | Ash                    |    |    |            |    |           |    |            |   | 25680.7  |    | 21672.7  |    | 20814.2  |    | 22722.5  |
| 193 | Chlorine               |    |    |            |    |           |    |            |   | 1.64E+07 |    | 1.41E+07 |    | 1.43E+07 |    | 1.49E+07 |
| 194 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 195 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 196 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 197 | <b>707A3</b>           |    | R3 |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 198 | Feedstream Number      |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 199 | Feed Class             |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 200 | Feed Class 2           |    | HW |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 201 | Feedstream Description |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 202 | Feedrate               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 203 | Heating value          |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 204 | Ash                    |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 205 | Chlorine               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 206 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 207 | <b>707A4</b>           |    | R3 |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 208 | Feedstream Number      |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 209 | Feed Class             |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 210 | Feed Class 2           |    | HW |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 211 | Feedstream Description |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 212 | Feedrate               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 213 | Heating value          |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 214 | Ash                    |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 215 | Chlorine               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 216 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 217 | <b>707A5</b>           |    | R3 |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 218 | Feedstream Number      |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 219 | Feed Class             |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 220 | Feed Class 2           |    | HW |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 221 | Feedstream Description |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 222 | Feedrate               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 223 | Heating value          |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 224 | Ash                    |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 225 | Chlorine               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 226 |                        |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 227 | <b>707A6</b>           |    | R3 |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 228 | Feedstream Number      |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 229 | Feed Class             |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 230 | Feed Class 2           |    | HW |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 231 | Feedstream Description |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 232 | Feedrate               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 233 | Heating value          |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 234 | Ash                    |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |
| 235 | Chlorine               |    |    |            |    |           |    |            |   |          |    |          |    |          |    |          |

|    | B                             | C       | D | E     | F     | G     |
|----|-------------------------------|---------|---|-------|-------|-------|
| 1  | <b>Process Information</b>    |         |   |       |       |       |
| 2  |                               |         |   |       |       |       |
| 3  | <b>707C10</b>                 |         |   | Run 1 | Run 2 | Run 3 |
| 4  |                               |         |   |       |       |       |
| 5  | Chamber Temp                  | oF      |   | 1951  | 1949  | 1950  |
| 6  | Ofrice scrubber Pressure Drop | in. w.c |   | 96    | 96    | 96    |
| 7  | Scrubber water flow           | gpm     |   | 1000  | 1000  | 1000  |
| 8  | Scrubber pH                   | pH      |   | 9.11  | 8.59  | 8.76  |
| 9  |                               |         |   |       |       |       |
| 10 |                               |         |   |       |       |       |
| 11 | <b>707C11</b>                 |         |   | Run 1 | Run 2 | Run 3 |
| 12 |                               |         |   |       |       |       |
| 13 | Chamber Temp                  | oF      |   | 1960  | 1960  | 1960  |
| 14 | Ofrice scrubber Pressure Drop | in. w.c |   | 96    | 96    | 96    |
| 15 | Scrubber water flow           | gpm     |   | 927   | 879   | 911   |
| 16 | Scrubber pH                   | pH      |   | 8.15  | 8.18  | 8.07  |

|    | C                            | D      | E    | F    | G    |
|----|------------------------------|--------|------|------|------|
| 1  | <b>Process Information 2</b> |        |      |      |      |
| 2  |                              |        |      |      |      |
| 3  | <b>707C1</b>                 |        |      |      |      |
| 4  |                              |        |      |      |      |
| 5  | Combustion Temperature       | F      | 1849 | 1800 | 1810 |
| 6  | WS Pressure Drop             | in H2O | 88   | 83   | 83   |
| 7  | WS pH                        |        | 7.99 | 7.6  | 7.6  |
| 8  |                              |        |      |      |      |
| 9  | <b>707C2</b>                 |        |      |      |      |
| 10 |                              |        |      |      |      |
| 11 | Combustion Temperature       | F      | 1874 | 1866 | 1815 |
| 12 | WS Pressure Drop             | in H2O | 90   | 90   | 85   |
| 13 | WS pH                        |        | 8    | 7.98 | 7.6  |
| 14 |                              |        |      |      |      |
| 15 | <b>707C3</b>                 |        |      |      |      |
| 16 |                              |        |      |      |      |
| 17 | Combustion Temperature       | F      | 1868 | 1805 | 1859 |
| 18 | WS Pressure Drop             | in H2O | 89   | 82   | 90   |
| 19 | WS pH                        |        | 8.19 | 7.7  | 8.18 |
| 20 |                              |        |      |      |      |
| 21 | <b>707C4</b>                 |        |      |      |      |
| 22 |                              |        |      |      |      |
| 23 | Combustion Temperature       | F      | 1862 | 1888 | 1886 |
| 24 | WS Pressure Drop             | in H2O | 94   | 99   | 99   |
| 25 | WS pH                        |        | 7.78 | 8.11 | 8.24 |
| 26 |                              |        |      |      |      |
| 27 | <b>707C7</b>                 |        |      |      |      |
| 28 |                              |        |      |      |      |
| 29 | Combustion Temperature       | F      | 1798 | 1800 | 1807 |
| 30 | WS Pressure Drop             | in H2O | 93   | 90   | 90   |
| 31 | WS pH                        |        | 7.4  | 7.3  | 7.3  |
| 32 |                              |        |      |      |      |
| 33 | <b>707C8</b>                 |        |      |      |      |
| 34 |                              |        |      |      |      |
| 35 | Combustion Temperature       | F      | 1867 | 1812 | 1867 |
| 36 | WS Pressure Drop             | in H2O | 80   | 75   | 79   |
| 37 | WS pH                        |        | 7.44 | 7.3  | 7.47 |
| 38 |                              |        |      |      |      |
| 39 | <b>707C9</b>                 |        |      |      |      |
| 40 |                              |        |      |      |      |
| 41 | Combustion Temperature       | F      | 1864 | 1866 | 1877 |
| 42 | WS Pressure Drop             | in H2O | 96   | 93   | 91   |
| 43 | WS pH                        |        | 6.9  | 6.87 | 6.82 |
| 44 |                              |        |      |      |      |
| 45 | <b>707A1</b>                 |        |      |      |      |
| 46 |                              |        |      |      |      |
| 47 | Combustion Temperature       | F      | 1862 | 1855 | 1860 |
| 48 | WS Pressure Drop             | in H2O | 93   | 93   | 93   |
| 49 | WS pH                        |        | 8.38 | 8.37 | 8.35 |
| 50 |                              |        |      |      |      |
| 51 | <b>707A2</b>                 |        |      |      |      |
| 52 |                              |        |      |      |      |
| 53 | Combustion Temperature       | F      | 1858 | 1859 | 1865 |
| 54 | WS Pressure Drop             | in H2O | 93   | 92   | 93   |
| 55 | WS pH                        |        | 7.82 | 7.82 | 7.79 |
| 56 |                              |        |      |      |      |
| 57 | <b>707A3</b>                 |        |      |      |      |
| 58 |                              |        |      |      |      |
| 59 | Combustion Temperature       | F      | 1866 | 1857 | 1863 |
| 60 | WS Pressure Drop             | in H2O | 94   | 94   | 94   |
| 61 | WS pH                        |        | 7.82 | 7.82 | 7.82 |
| 62 |                              |        |      |      |      |
| 63 | <b>707A4</b>                 |        |      |      |      |
| 64 |                              |        |      |      |      |
| 65 | Combustion Temperature       | F      | 1956 | 1953 | 1948 |
| 66 | WS Pressure Drop             | in H2O | 96   | 96   | 97   |
| 67 | WS pH                        |        | 7.84 | 7.85 | 7.83 |
| 68 |                              |        |      |      |      |
| 69 | <b>707A5</b>                 |        |      |      |      |
| 70 |                              |        |      |      |      |
| 71 | Combustion Temperature       | F      | 1960 | 1966 | 1967 |

|    | C                      | D      | E    | F    | G    |
|----|------------------------|--------|------|------|------|
| 72 | WS Pressure Drop       | in H2O | 97   | 96   | 95   |
| 73 | WS pH                  |        | 7.83 | 7.84 | 7.82 |
| 74 |                        |        |      |      |      |
| 75 | <b>707A6</b>           |        |      |      |      |
| 76 |                        |        |      |      |      |
| 77 | Combustion Temperature | F      | 1757 | 1763 | 1779 |
| 78 | WS Pressure Drop       | in H2O | 95   | 94   | 96   |
| 79 | WS pH                  |        | 7.82 | 7.83 | 7.82 |

| A  | B                               | C  | D       | E      | F      | G       | H       | I      | J      | K       | L       | M      | N      | O       | P       | Q      | R      |  |        |        |        |      |        |
|----|---------------------------------|--|---------|--------|--------|---------|---------|--------|--------|---------|---------|--------|--------|---------|---------|--------|--------|--|--------|--------|--------|------|--------|
| 1  | <b>PCDD/PCDF</b>                |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 2  | N                               |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 3  | Facility Name and ID:           | Dupont   |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 4  | Condition ID:                   | 707C10   |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 5  | Condition/Test Date:            | Trial burn, max temp, max feedrate, worst oper cond (chlorine data invalid due to sampling errors) |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 6  |                                 |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 7  |                                 |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 8  | I-TEF                           | Run 1  |         |        |        | Run 2   |         |        |        | Run 3   |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 9  | Wght Fact                       | Total  | TEQ     | Total  | TEQ    | Total   | TEQ     | Total  | TEQ    | Total   | TEQ     | Total  | TEQ    | Total   | TEQ     | Total  | TEQ    |  |        |        |        |      |        |
| 10 | Detected in sample volume (ng)  | Full ND  | Full ND | 1/2 ND | 1/2 ND | Full ND | Full ND | 1/2 ND | 1/2 ND | Full ND | Full ND | 1/2 ND | 1/2 ND | Full ND | Full ND | 1/2 ND | 1/2 ND |  |        |        |        |      |        |
| 11 | 2,3,7,8-TCDD                    | 1  | nd      | 0.006  | 0.0061 | 0.003   | 0.0031  | nd     | 0.007  | 0.0073  | 0.004   | 0.0037 | 0.011  | 0.011   | 0.011   | 0.011  | 0.011  |  |        |        |        |      |        |
| 12 | Total TCDD                      | 0  |         | 0.072  | 0.0000 | 0.072   | 0.0000  |        | 0.113  | 0.0000  | 0.113   | 0.0000 | 0.464  | 0.000   | 0.464   | 0.000  | 0.000  |  |        |        |        |      |        |
| 13 | 1,2,3,7,8-PCDD                  | 0.5  | nd      | 0.008  | 0.0039 | 0.004   | 0.0019  | nd     | 0.821  | 0.4106  | 0.411   | 0.2053 | 0.016  | 0.008   | 0.016   | 0.008  | 0.008  |  |        |        |        |      |        |
| 14 | Total PCDD                      | 0  |         | 0.049  | 0.0000 | 0.049   | 0.0000  |        | 0.067  | 0.0000  | 0.067   | 0.0000 | 0.278  | 0.000   | 0.278   | 0.000  | 0.000  |  |        |        |        |      |        |
| 15 | 1,2,3,4,7,8-HxCDD               | 0.1  | nd      | 0.014  | 0.0014 | 0.007   | 0.0007  | nd     | 0.015  | 0.0015  | 0.008   | 0.0008 | nd     | 0.013   | 0.001   | 0.007  | 0.001  |  |        |        |        |      |        |
| 16 | 1,2,3,6,7,8-HxCDD               | 0.1  | nd      | 0.016  | 0.0016 | 0.008   | 0.0008  | nd     | 0.017  | 0.0017  | 0.008   | 0.0008 | nd     | 0.014   | 0.001   | 0.007  | 0.001  |  |        |        |        |      |        |
| 17 | 1,2,3,7,8,9-HxCDD               | 0.1  | nd      | 0.014  | 0.0014 | 0.007   | 0.0007  | nd     | 0.015  | 0.0015  | 0.007   | 0.0007 | nd     | 0.013   | 0.001   | 0.006  | 0.001  |  |        |        |        |      |        |
| 18 | Total HxCDD                     | 0  |         | 0.164  | 0.0000 | 0.164   | 0.0000  |        | 0.047  | 0.0000  | 0.047   | 0.0000 | 0.129  | 0.000   | 0.129   | 0.000  | 0.000  |  |        |        |        |      |        |
| 19 | 1,2,3,4,6,7,8-HpCDD             | 0.01   | nd      | 0.022  | 0.0002 | 0.011   | 0.0001  | nd     | 0.018  | 0.0002  | 0.009   | 0.0001 | 0.022  | 0.000   | 0.022   | 0.000  | 0.000  |  |        |        |        |      |        |
| 20 | Total HpCDD                     | 0  | nd      | 0.022  | 0.0000 | 0.011   | 0.0000  | nd     | 0.018  | 0.0000  | 0.009   | 0.0000 | 0.038  | 0.000   | 0.038   | 0.000  | 0.000  |  |        |        |        |      |        |
| 21 | OCDD                            | 0.001  |         | 0.042  | 0.0000 | 0.042   | 0.0000  |        | 0.033  | 0.0000  | 0.033   | 0.0000 | nd     | 0.043   | 0.000   | 0.022  | 0.000  |  |        |        |        |      |        |
| 22 | 2,3,7,8-TCDF                    | 0.1  |         | 0.029  | 0.0029 | 0.029   | 0.0029  |        | 0.115  | 0.0115  | 0.115   | 0.0115 | 0.197  | 0.020   | 0.197   | 0.020  | 0.020  |  |        |        |        |      |        |
| 23 | Total TCDF                      | 0  |         | 0.385  | 0.0000 | 0.385   | 0.0000  |        | 1.111  | 0.0000  | 1.111   | 0.0000 | 2.591  | 0.000   | 2.591   | 0.000  | 0.000  |  |        |        |        |      |        |
| 24 | 1,2,3,7,8-PCDF                  | 0.05   | nd      | 0.007  | 0.0003 | 0.003   | 0.0002  | nd     | 0.006  | 0.0003  | 0.003   | 0.0002 | 0.063  | 0.003   | 0.063   | 0.003  | 0.003  |  |        |        |        |      |        |
| 25 | 2,3,4,7,8-PCDF                  | 0.5  | nd      | 0.007  | 0.0033 | 0.003   | 0.0017  |        | 0.008  | 0.0038  | 0.008   | 0.0038 | 0.021  | 0.011   | 0.021   | 0.011  | 0.011  |  |        |        |        |      |        |
| 26 | Total PCDF                      | 0  |         | 0.038  | 0.0000 | 0.038   | 0.0000  |        | 0.062  | 0.0000  | 0.062   | 0.0000 | 0.268  | 0.000   | 0.268   | 0.000  | 0.000  |  |        |        |        |      |        |
| 27 | 1,2,3,4,7,8-HxCDF               | 0.1  | nd      | 0.006  | 0.0006 | 0.003   | 0.0003  | nd     | 0.006  | 0.0006  | 0.003   | 0.0003 | 0.037  | 0.004   | 0.037   | 0.004  | 0.004  |  |        |        |        |      |        |
| 28 | 1,2,3,6,7,8-HxCDF               | 0.1  | nd      | 0.006  | 0.0006 | 0.003   | 0.0003  | nd     | 0.006  | 0.0006  | 0.003   | 0.0003 | 0.013  | 0.001   | 0.013   | 0.001  | 0.001  |  |        |        |        |      |        |
| 29 | 2,3,4,6,7,8-HxCDF               | 0.1  | nd      | 0.006  | 0.0006 | 0.003   | 0.0003  | nd     | 0.006  | 0.0006  | 0.003   | 0.0003 | 0.009  | 0.001   | 0.009   | 0.001  | 0.001  |  |        |        |        |      |        |
| 30 | 1,2,3,7,8,9-HxCDF               | 0.1  | nd      | 0.007  | 0.0007 | 0.003   | 0.0003  | nd     | 0.007  | 0.0007  | 0.004   | 0.0004 | 0.011  | 0.001   | 0.011   | 0.001  | 0.001  |  |        |        |        |      |        |
| 31 | Total HxCDF                     | 0  | nd      | 0.027  | 0.0000 | 0.014   | 0.0000  | nd     | 0.006  | 0.0000  | 0.003   | 0.0000 | 0.090  | 0.000   | 0.090   | 0.000  | 0.000  |  |        |        |        |      |        |
| 32 | 1,2,3,4,6,7,8-HpCDF             | 0.01   | nd      | 0.005  | 0.0000 | 0.002   | 0.0000  | nd     | 0.006  | 0.0001  | 0.003   | 0.0000 | 0.022  | 0.000   | 0.090   | 0.001  | 0.001  |  |        |        |        |      |        |
| 33 | 1,2,3,4,7,8,9-HpCDF             | 0.01   | nd      | 0.007  | 0.0001 | 0.003   | 0.0000  | nd     | 0.008  | 0.0001  | 0.004   | 0.0000 | nd     | 0.010   | 0.000   | 0.011  | 0.000  |  |        |        |        |      |        |
| 34 | Total HpCDF                     | 0  | nd      | 0.006  | 0.0000 | 0.003   | 0.0000  | nd     | 0.007  | 0.0000  | 0.003   | 0.0000 | 0.022  | 0.000   | 0.010   | 0.000  | 0.000  |  |        |        |        |      |        |
| 35 | OCDF                            | 0.001  | nd      | 0.023  | 0.0000 | 0.012   | 0.0000  | nd     | 0.025  | 0.0000  | 0.012   | 0.0000 | 0.031  | 0.000   | 0.022   | 0.000  | 0.000  |  |        |        |        |      |        |
| 36 |                                 |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 37 | Gas sample volume (dscf)        |  |         |        |        | 112.96  | 112.96  | 112.96 |        |         |         |        | 112.65 | 112.65  | 112.65  |        |        |  | 116.57 | 116.57 | 116.57 |      |        |
| 38 | O2 (%)                          |  |         |        |        | 9.20    | 9.20    | 9.20   |        |         |         |        | 9.1    | 9.1     | 9.1     |        |        |  | 9.20   | 9.20   | 9.20   |      |        |
| 39 |                                 |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 40 | PCDD/PCDF (ng in sample)        |  |         |        |        | 0.02    | 0.8     | 0.01   |        |         |         |        | 0.44   | 1.5     | 0.23    |        |        |  | 0.06   | 3.9    | 0.06   |      |        |
| 41 | PCDD/PCDF (ng/dscm @ 7% O2 87.6 |  |         |        |        | 0.0088  | 0.29    | 0.0050 | 96.5   |         |         |        |        | 0.1628  | 0.54    | 0.0842 | 4.1    |  |        |        | 0.0232 | 1.41 | 0.0227 |
| 42 |                                 |  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 43 | TEQ Cond Avg                    | 0.037  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |
| 44 | Total Cond Avg                  | 0.7  |         |        |        |         |         |        |        |         |         |        |        |         |         |        |        |  |        |        |        |      |        |