

US EPA ARCHIVE DOCUMENT

| Sample Date           | 12/30/13 | 12/27/13 | 12/25/13 | 12/23/13 | 12/20/13 | 12/18/13 | 12/16/13 | 12/15/13 | 12/13/13 | 12/11/13 | 12/09/13 | 12/07/13 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 118.63   | 117.32   | 117.42   | 117.63   | 116.94   | 116.64   | 117.37   | 117.44   | 117.38   | 118.64   | 118.32   | 117.72   |
| Molecular Weight      | 17.39    | 16.95    | 17.08    | 16.83    | 16.65    | 16.59    | 16.94    | 16.95    | 17.04    | 17.37    | 17.74    | 17.37    |
| Higher Heating Value  | 1034     | 1033     | 1026     | 1023     | 1018     | 1017     | 1032     | 1032     | 1038     | 1061     | 1072     | 1055     |
| Carbon Content        | 0.73     | 0.74     | 0.73     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.75     | 0.74     | 0.74     |

| Sample Date           | 12/06/13 | 12/04/13 | 12/02/13 | 11/29/13 | 11/25/13 | 11/22/13 | 11/20/13 | 11/18/13 | 11/17/13 | 11/15/13 | 11/15/13 | 11/13/13 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 116.86   | 116.51   | 116.96   | 116.79   | 117.44   | 117.20   | 116.40   | 117.19   | 117.44   | 118.53   | 117.42   | 117.13   |
| Molecular Weight      | 16.85    | 16.8     | 16.75    | 16.84    | 17       | 16.9     | 16.8     | 16.8     | 16.85    | 17.82    | 16.8     | 16.89    |
| Higher Heating Value  | 1031     | 1031     | 1024     | 1031     | 1035     | 1031     | 1018     | 1025     | 1012     | 1075     | 1023     | 1031     |
| Carbon Content        | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.73     | 0.74     | 0.73     | 0.74     | 0.74     | 0.74     |

| <b>Sample Date</b>           | 11/08/13 | 11/06/13 | 11/04/13 | 11/02/13 | 11/01/13 | 11/01/13 | 11/01/13 | 11/01/13 | 10/28/13 | 10/25/13 | 10/23/13 | 10/22/13 | 10/20/13 |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Calculated CO2 Factor</b> | 117.31   | 116.76   | 116.66   | 117.30   | 115.89   | 117.27   | 117.49   | 116.64   | 117.39   | 116.29   | 116.63   | 118.35   |          |
| <b>Molecular Weight</b>      | 16.8     | 17.1     | 16.87    | 17.16    | 23.1     | 17.32    | 17.27    | 16.9     | 16.73    | 16.8     | 17.2     | 17.38    |          |
| <b>Higher Heating Value</b>  | 1024     | 1033     | 1020     | 1046     | 520      | 1056     | 1051     | 1036     | 1019     | 1019     | 1026     | 1050     |          |
| <b>Carbon Content</b>        | 0.74     | 0.73     | 0.73     | 0.74     | 0.27     | 0.74     | 0.74     | 0.74     | 0.74     | 0.73     | 0.72     | 0.74     |          |

| Sample Date           | 10/18/13 | 10/16/13 | 10/14/13 | 10/11/13 | 10/09/13 | 10/07/13 | 10/04/13 | 10/02/13 | 09/30/13 | 09/27/13 | 09/25/13 | 09/23/13 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 117.46   | 118.19   | 118.08   | 117.79   | 116.53   | 116.76   | 117.26   | 118.16   | 118.21   | 116.92   | 118.33   | 117.46   |
| Molecular Weight      | 16.92    | 17.44    | 17.58    | 17.1     | 17       | 17.1     | 17.52    | 17.68    | 17.6     | 16.99    | 17.6     | 17.9     |
| Higher Heating Value  | 1030     | 998      | 1007     | 1038     | 1029     | 1033     | 1025     | 1012     | 1007     | 1039     | 1006     | 1016     |
| Carbon Content        | 0.74     | 0.7      | 0.7      | 0.74     | 0.73     | 0.73     | 0.71     | 0.7      | 0.7      | 0.74     | 0.7      | 0.69     |

| Sample Date           | 09/20/13 | 09/18/13 | 09/16/13 | 09/15/13 | 09/13/13 | 09/11/13 | 09/09/13 | 09/07/13 | 09/06/13 | 09/04/13 | 09/02/13 | 08/30/13 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 117.92   | 118.79   | 118.78   | 117.96   | 117.81   | 117.59   | 117.99   | 118.14   | 117.87   | 117.45   | 116.65   | 117.76   |
| Molecular Weight      | 17.68    | 17.87    | 17.8     | 17.62    | 17.58    | 17.4     | 17.41    | 17.95    | 17.74    | 17.33    | 17.2     | 17.49    |
| Higher Heating Value  | 1072     | 1032     | 1057     | 1068     | 1067     | 1058     | 1055     | 1013     | 1018     | 1055     | 1040     | 1062     |
| Carbon Content        | 0.74     | 0.71     | 0.73     | 0.74     | 0.74     | 0.74     | 0.74     | 0.69     | 0.7      | 0.74     | 0.73     | 0.74     |

| Sample Date           | 08/28/13 | 08/26/13 | 08/23/13 | 08/22/13 | 08/21/13 | 08/19/13 | 08/18/13 | 08/16/13 | 08/14/13 | 08/12/13 | 08/09/13 | 08/03/13 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 117.33   | 119.05   | 118.14   | 118.16   | 117.49   | 116.72   | 117.32   | 115.44   | 118.04   | 117.56   | 117.68   | 119.28   |
| Molecular Weight      | 17.2     | 18       | 17.3     | 18.13    | 17.45    | 17.01    | 17.13    | 17       | 17.4     | 17.28    | 17.43    | 17.9     |
| Higher Heating Value  | 1034     | 1008     | 1047     | 1023     | 1062     | 1042     | 1044     | 996      | 1054     | 1051     | 1059     | 1015     |
| Carbon Content        | 0.73     | 0.69     | 0.74     | 0.69     | 0.74     | 0.74     | 0.74     | 0.7      | 0.74     | 0.74     | 0.74     | 0.7      |

| Sample Date           | 07/21/13 | 07/10/13 | 07/06/13 | 07/05/13 | 07/03/13 | 07/01/13 | 06/16/13 | 06/01/13 | 05/19/13 | 05/04/13 | 04/21/13 | 04/06/13 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 119.29   | 117.69   | 117.67   | 117.90   | 118.85   | 116.99   | 118.38   | 117.74   | 117.71   | 118.33   | 117.08   | 118.11   |
| Molecular Weight      | 18.06    | 17.25    | 17.2     | 17.2     | 17.8     | 17.6     | 17.55    | 17.01    | 17.39    | 17.46    | 17.5     | 17.41    |
| Higher Heating Value  | 1024     | 1048     | 1031     | 1029     | 1013     | 1003     | 1060     | 1033     | 985      | 1055     | 1011     | 1054     |
| Carbon Content        | 0.7      | 0.74     | 0.73     | 0.73     | 0.7      | 0.69     | 0.74     | 0.74     | 0.69     | 0.74     | 0.7      | 0.74     |



| Sample Date           | 03/17/13 | 03/02/13 | 02/02/13 | 01/05/13 | 12/16/12 | 12/01/12 | 11/18/12 | 11/03/12 | 09/16/12 | 09/01/12 | 08/19/12 | 08/04/12 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 118.49   | 118.02   | 117.54   | 117.22   | 118.61   | 118.02   | 119.56   | 117.83   | 118.37   | 118.83   | 118.32   | 119.10   |
| Molecular Weight      | 17.4     | 17.15    | 17.03    | 17       | 17.65    | 17.1     | 18.74    | 17.32    | 17.3     | 17.6     | 17.58    | 18.27    |
| Higher Heating Value  | 1050     | 1039     | 1036     | 1037     | 1064     | 1036     | 1045     | 1051     | 1045     | 1059     | 1048     | 1082     |
| Carbon Content        | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.69     | 0.74     | 0.74     | 0.74     | 0.73     | 0.73     |

| Sample Date           | 07/15/12 | 07/08/12 | 06/17/12 | 06/02/12 | 05/20/12 | 05/05/12 | 04/15/12 | 04/07/12 | 03/18/12 | 03/03/12 | 02/19/12 | 02/04/12 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 117.80   | 117.46   | 118.15   | 117.57   | 118.14   | 118.24   | 117.80   | 117.91   | 117.73   | 117.72   | 117.56   | 117.87   |
| Molecular Weight      | 17.25    | 17.2     | 17.4     | 17.2     | 17.25    | 17.43    | 17.25    | 17.43    | 17.19    | 17.27    | 17.1     | 17.21    |
| Higher Heating Value  | 1047     | 1047     | 1053     | 1046     | 1044     | 1054     | 1047     | 1057     | 1044     | 1049     | 1040     | 1044     |
| Carbon Content        | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     |

| Sample Date           | 01/23/12 | 01/15/12 | 01/07/12 | 12/18/11 | 12/03/11 | 11/20/11 | 11/05/11 | 10/16/11 | 10/02/11 | 09/18/11 | 09/06/11 | 08/21/11 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 118.12   | 118.25   | 118.72   | 117.42   | 124.23   | 118.26   | 118.36   | 116.71   | 118.08   | 117.90   | 121.42   | 117.81   |
| Molecular Weight      | 17.28    | 17.2     | 18.11    | 17.03    | 21.18    | 17.6     | 17.1     | 17.25    | 17.34    | 17       | 19.72    | 17.07    |
| Higher Heating Value  | 1046     | 1040     | 1076     | 1037     | 1219     | 1021     | 1033     | 1014     | 1050     | 1031     | 1177     | 1036     |
| Carbon Content        | 0.74     | 0.74     | 0.73     | 0.74     | 0.74     | 0.71     | 0.74     | 0.71     | 0.74     | 0.74     | 0.75     | 0.74     |

| Sample Date           | 08/06/11 | 07/17/11 | 07/02/11 | 06/19/11 | 06/04/11 | 05/07/11 | 04/27/11 | 04/17/11 | 04/02/11 | 03/20/11 | 03/09/11 | 02/20/11 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Calculated CO2 Factor | 116.96   | 117.47   | 115.99   | 116.64   | 116.46   | 116.53   | 116.95   | 116.84   | 116.66   | 116.58   | 116.93   | 116.31   |
| Molecular Weight      | 17.14    | 16.61    | 16.69    | 16.46    | 16.5     | 16.51    | 16.7     | 16.52    | 16.61    | 16.5     | 16.5     | 16.56    |
| Higher Heating Value  | 977      | 1011     | 1001     | 1009     | 1013     | 1013     | 1021     | 1011     | 1018     | 1012     | 1009     | 1018     |
| Carbon Content        | 0.69     | 0.74     | 0.72     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     | 0.74     |

| Sample Date           | 02/05/11 | 01/19/11 | 01/01/11 | AVERAGE | STANDARD DEVIATION | AVERAGE PLUS 2 STANDARD DEVIATIONS |
|-----------------------|----------|----------|----------|---------|--------------------|------------------------------------|
| Calculated CO2 Factor | 120.38   | 117.66   | 116.95   | 117.70  | 1.02               | 119.74                             |
| Molecular Weight      | 18.09    | 17.46    | 16.52    |         |                    |                                    |
| Higher Heating Value  | 1089     | 1061     | 1010     |         |                    |                                    |
| Carbon Content        | 0.75     | 0.74     | 0.74     |         |                    |                                    |