

***Field Data***

# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

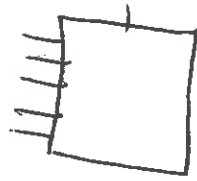
TESTING TYPE: Particulate

RUN NO. 1

METHOD NO. SB2002

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|                               |                              |
|-------------------------------|------------------------------|
| Client: <u>Big Rivers</u>     | Water (ml): <u>41</u>        |
| Plant: <u>Henderson</u>       | Silica gel (g): <u>90</u>    |
| Location: <u>Unit 2 Inlet</u> | Total V/c: <u>6.0</u>        |
| Date: <u>8/4/11</u>           | Project No.: <u>3648</u>     |
| Meter Operator: <u>EA</u>     | Probe ID: <u>AES-12-3</u>    |
| Probe Operator: <u>TG</u>     | Nozzle Dia (in): <u>.19</u>  |
| Meter ID: <u>M-5</u>          | Filter ID: <u>12152</u>      |
| Alt: <u>1.917</u>             | Train ID: <u>IB-23</u>       |
| Pre Leak Check: <u>0.00</u>   | Duct Dia (in): <u>18x139</u> |
| Post Leak Check: <u>0.00</u>  | Start Time: <u>7:19</u>      |
|                               | Stop Time: <u>9:15</u>       |



First point all the way (in) (out) (avg)  
 Gas flow (in) (out) (avg)

| Travel Point | Start Time | Stop Time | Filter Temp (°F) | Probe Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|--------------|------------|-----------|------------------|-----------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
| 1            | 7:19       | 7:24      | 320              | 320             | 67                        | 84                  | 81                   | 67.8               | 74                  |       |
| 2            | 7:24       | 7:28      | 320              | 319             | 67                        | 85                  | 82                   | 67.0               | 75                  |       |
| 3            | 7:28       | 7:33      | 320              | 314             | 66                        | 85                  | 82                   | 66.10              | 75                  |       |
| 4            | 7:33       | 7:36      | 320              | 324             | 66                        | 86                  | 82                   | 66.10              | 76                  |       |
| 5            | 7:36       | 7:40      | 320              | 321             | 66                        | 86                  | 82                   | 66.9               | 76                  |       |
| 1            | 7:40       | 7:44      | 320              | 321             | 66                        | 86                  | 82                   | 66.9               | 76                  |       |
| 2            | 7:44       | 7:48      | 320              | 321             | 66                        | 87                  | 82                   | 66.9               | 76                  |       |
| 3            | 7:48       | 7:52      | 320              | 323             | 63                        | 88                  | 85                   | 66.9               | 76                  |       |
| 4            | 7:52       | 7:56      | 320              | 323             | 63                        | 89                  | 85                   | 66.9               | 76                  |       |
| 5            | 7:56       | 8:00      | 320              | 323             | 63                        | 90                  | 86                   | 66.9               | 76                  |       |
| 1            | 8:00       | 8:04      | 320              | 323             | 63                        | 91                  | 87                   | 66.9               | 76                  |       |
| 2            | 8:04       | 8:08      | 320              | 323             | 63                        | 91                  | 87                   | 66.9               | 76                  |       |
| 3            | 8:08       | 8:12      | 320              | 323             | 63                        | 91                  | 87                   | 66.9               | 76                  |       |
| 4            | 8:12       | 8:16      | 320              | 323             | 63                        | 91                  | 87                   | 66.9               | 76                  |       |
| 5            | 8:16       | 8:20      | 320              | 323             | 63                        | 91                  | 87                   | 66.9               | 76                  |       |
| Total        |            |           |                  |                 |                           | 1043                | 1043                 |                    |                     |       |
| Average      |            |           |                  |                 |                           |                     |                      |                    |                     |       |

Circle correct bracketed [ ] units  
 Train Type denotes Impingers, knockouts, etc.

# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

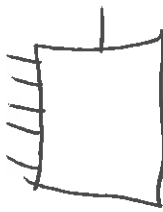
RUN NO. 1

TESTING TYPE: Particulate

METHOD NO. SB/201

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|                             |                  |                 |
|-----------------------------|------------------|-----------------|
| Client: <u>Big Rivers</u>   | Water (ml) (g)   | <u>29.41</u>    |
| Plant: <u>Henderson</u>     | Silica gel (g)   | <u>90</u>       |
| Location: <u>Unit Inlet</u> | Total Vtc        | <u>-6.0</u>     |
| Date: <u>8/4/11</u>         | Probe ID         | <u>AES-12-3</u> |
| Meter Operator: <u>EA</u>   | Nozzle Dia (in)  | <u>.200</u>     |
| Probe Operator: <u>TC</u>   | Train Type       | <u>TFE</u>      |
| Meter ID: <u>M-5</u>        | Nozzle Dia (in)  | <u>.200</u>     |
| Site: <u>1.917</u>          | Train Type       | <u>TFE</u>      |
| Flow Leak Check: <u>000</u> | Port Length (in) | <u>30</u>       |
| Pass Leak Check: <u>000</u> | Start Time       | <u>7:19</u>     |
| Stop Time                   | <u>9:15</u>      |                 |



First point all the way (in) (out)  
Gas flow (in) (out) of page

| Traverse Point | Time | Velocity (ft/min) | Pressure (inH <sub>2</sub> O) | Orifice Setting (inH <sub>2</sub> O) | Gas Sample Volume (l) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes  |
|----------------|------|-------------------|-------------------------------|--------------------------------------|-----------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|--------|
| 3              | 53   | 1.1               | 1.3                           | 1.3                                  | 927.06                | 316             | 320             | 320              | 64                        | 91                  | 88                   | 11                 | 80                  |        |
| 4              | 56   | 1.1               | 1.3                           | 1.3                                  | 929.50                | 316             | 323             | 322              | 64                        | 92                  | 88                   | 11                 | 80                  |        |
| 5              | 60   | 1.2               | 1.4                           | 1.4                                  | 938.01                | 316             | 327             | 322              | 64                        | 93                  | 88                   | 12                 | 80                  |        |
| 1              | 64   | 1.2               | 1.4                           | 1.4                                  | 934.52                | 314             | 324             | 320              | 64                        | 94                  | 89                   | 12                 | 80                  |        |
| 2              | 68   | 1.3               | 1.6                           | 1.6                                  | 937.20                | 314             | 324             | 321              | 64                        | 95                  | 90                   | 13                 | 80                  |        |
| 3              | 72   | 1.2               | 1.4                           | 1.4                                  | 939.72                | 314             | 324             | 320              | 62                        | 96                  | 91                   | 13                 | 80                  |        |
| 4              | 76   | 1.1               | 1.3                           | 1.3                                  | 942.20                | 314             | 324             | 320              | 62                        | 97                  | 92                   | 12                 | 80                  |        |
| 5              | 80   | 1.1               | 1.3                           | 1.3                                  | 944.63                | 314             | 322             | 320              | 60                        | 98                  | 92                   | 12                 | 80                  |        |
| 1              | 84   | 0.65              | 0.78                          | 0.78                                 | 946.62                | 314             | 32              | 32               | 60                        | 99                  | 94                   | 9                  | 80                  |        |
| 2              | 88   | 0.70              | 0.84                          | 0.84                                 | 948.60                | 314             | 32              | 32               | 63                        | 99                  | 94                   | 9                  | 80                  |        |
| 3              | 92   | 0.75              | 0.90                          | 0.90                                 | 949.84                | 314             | 32              | 32               | 63                        | 99                  | 94                   | 10                 | 80                  |        |
| 4              | 96   | 0.75              | 0.90                          | 0.90                                 | 952.70                | 314             | 32              | 32               | 84                        | 99                  | 94                   | 10                 | 80                  | 950.89 |
| 5              | 100  | 0.80              | 0.96                          | 0.96                                 | 954.83                | 314             | 32              | 32               | 64                        | 99                  | 94                   | 10                 | 80                  |        |
| Total          |      |                   |                               |                                      |                       |                 |                 |                  |                           |                     |                      |                    |                     |        |
| Average        |      |                   |                               |                                      |                       |                 |                 |                  |                           |                     |                      |                    |                     |        |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knoci-outs, etc.



# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

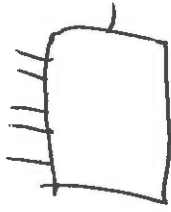
TESTING TYPE: Particulate

RUN NO. 2

METHOD NO. SB/202

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|                 |              |                  |                 |         |
|-----------------|--------------|------------------|-----------------|---------|
| Client          | Big Rivers   |                  | Water [ml] [g]  | 29.41   |
| Plant           | Henderson    |                  | Silica gel [g]  | 90      |
| Location        | Unit 2 Inlet |                  | Total Vtc       | -6.0    |
| Date            | 11/8 8/4/11  | Project No. 5648 | Probe ID        | AES-2-3 |
| Water Operator  | EA           |                  | Nozzle Dia (in) | 1.9     |
| Probe Operator  | TG           |                  | Filter ID       | 12153   |
| Meter ID        | M-5          | YJ .9953         | Train ID        | 18-A    |
| ΔH@             | 1.917        | KT 1.2           | Duct Dim. (in)  | 186X139 |
| Pre Leak Check  | 1000         | 1.5              | Start Time      | 1907    |
| Post Leak Check | 1000         | 1.7              | Stop Time       | 12:00   |



Filter point all the way [in] [ft] of page  
Gas flow [in] [ft] of page

| Traverse Point | Time | Elapsec | Mini/Point | Velocity Pressure ΔP (inH <sub>2</sub> O) | Grillce Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial (ft <sup>3</sup> ) [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes  |
|----------------|------|---------|------------|---|---|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|--------|
| 1              | 4    |         | 4          | 1.0                                       | 1.2                                     | 977.00   | 318             | 320             | 320              | 68                        | 105                 | 100                  | 8                  | 85                  |        |
| 2              | 8    |         |            | 1.0                                       | 1.2                                     | 979.52   | 318             | 322             | 321              | 68                        | 105                 | 100                  | 8                  | 84                  |        |
| 3              | 12   |         |            | 1.0                                       | 1.2                                     | 981.57   | 318             | 322             | 321              | 68                        | 105                 | 100                  | 8                  | 83                  |        |
| 4              | 16   |         |            | 1.0                                       | 1.2                                     | 983.97   | 318             | 323             | 321              | 67                        | 106                 | 100                  | 8                  | 82                  |        |
| 5              | 20   |         |            | 0.83                                      | 1.0                                     | 986.20   | 318             | 323             | 323              | 67                        | 107                 | 100                  | 8                  | 82                  |        |
| 1              | 24   |         |            | 1.1                                       | 1.3                                     | 989.2  | 318             | 320             | 320              | 67                        | 107                 | 100                  | 9                  | 82                  | 988.55 |
| 2              | 28   |         |            | 1.1                                       | 1.3                                     | 990.98   | 318             | 320             | 320              | 67                        | 107                 | 100                  | 9                  | 82                  |        |
| 3              | 32   |         |            | 1.02                                      | 1.4                                     | 993.52   | 318             | 321             | 323              | 67                        | 107                 | 100                  | 10                 | 80                  |        |
| 4              | 36   |         |            | 1.0                                       | 1.2                                     | 995.99   | 318             | 322             | 322              | 66                        | 107                 | 100                  | 10                 | 80                  |        |
| 5              | 40   |         |            | 1.1                                       | 1.3                                     | 998.37   | 318             | 322             | 322              | 66                        | 108                 | 100                  | 10                 | 80                  |        |
| 1              | 44   |         |            | 1.3                                       | 1.6                                     | 1000.00  | 318             | 321             | 320              | 66                        | 108                 | 100                  | 12                 | 80                  |        |
| 2              | 48   |         |            | 1.2                                       | 1.4                                     | 1002.75  | 318             | 321             | 320              | 66                        | 108                 | 100                  | 11                 | 80                  |        |
| Total          |      |         |            | 24.2013                                   | 1.53                                    | 88.71  | 3216            |                 |                  |                           | 12.80               | 12.00                |                    |                     |        |
| Average        |      |         |            | 1.184                                     |   | 3180   |                 |                 |                  |                           | 103.2               |                      |                    |                     |        |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knocknuts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
General Testing Data Sheet

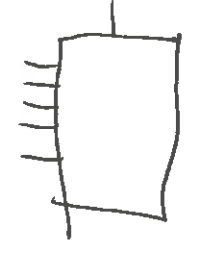
TESTING TYPE: Particulate

METHOD NO. SB/202

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RUN NO. 2

|                 |              |                  |                |          |
|-----------------|--------------|------------------|----------------|----------|
| Client          | Big Rivers   |                  | Water (ml) [g] | 29.41    |
| Plant           | Henderson    |                  | Silica gel (g) | 90       |
| Location        | Unit 2 Inlet |                  | Total Vol      | -6.0     |
| Date            | 8/4/11       | Project No. 3648 | Probe ID       | AES-7d-3 |
| Meter Operator  | EA           |                  | Nozzle ID      | .19      |
| Probe Operator  | T6           |                  | Filter ID      | 12153    |
| Meter ID        | M-5          | Yd .9953         | Train ID       | TR-A     |
| Altitude        | 1.917        | RF 1.2           | Duct Dim. (in) | 186x134  |
| Pre Leak Check  | .000         | Leak Check       | Start Time     | 1009     |
| Post Leak Check | .000         | Leak Check       | Stop Time      | 1200     |



| Transverse Point | Elapsed Time | Velocity / Pressure (inH <sub>2</sub> O) |                    | Orifice Setting AH | Gas Sample Volume Initial (l) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGMI Inlet Temp (°F) | DGMI Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|------------------|--------------|--|--------------------|--------------------|-------------------------------|-----------------|-----------------|------------------|---------------------------|----------------------|-----------------------|--------------------|---------------------|-------|
|                  |              | ft/min                                   | inH <sub>2</sub> O |                    |                               |                 |                 |                  |                           |                      |                       |                    |                     |       |
| 3                | 52           | 1.2                                      | 1.4                |                    | 974.60                        | 318             | 320             | 320              | 65                        | 108                  | 100                   | 13                 | 79                  |       |
| 4                | 56           | 1.2                                      | 1.4                |                    | 1005.84                       | 318             | 324             | 323              | 65                        | 108                  | 100                   | 13                 | 73                  |       |
| 5                | 60           | 1.1                                      | 1.3                |                    | 1010.63                       | 318             | 320             | 322              | 65                        | 107                  | 100                   | 12                 | 76                  |       |
| 1-1              | 64           | .72                                      | .86                |                    | 1012.62                       | 318             | 320             | 321              | 66                        | 106                  | 100                   | 9                  | 76                  |       |
| 2                | 68           | .69                                      | .83                |                    | 1014.52                       | 318             | 320             | 321              | 66                        | 106                  | 100                   | 9                  | 74                  |       |
| 3                | 72           | .80                                      | .96                |                    | 1016.58                       | 318             | 320             | 321              | 66                        | 106                  | 100                   | 10                 | 76                  |       |
| 4                | 76           | .85                                      | 1.0                |                    | 1018.67                       | 318             | 320             | 321              | 66                        | 106                  | 100                   | 10                 | 78                  |       |
| 5                | 80           | .65                                      | .78                |                    | 1020.51                       | 318             | 320             | 321              | 66                        | 106                  | 100                   | 9                  | 80                  |       |
| 2-1              | 84           | .72                                      | .86                |                    | 1022.47                       | 318             | 320             | 322              | 67                        | 105                  | 100                   | 9                  | 80                  |       |
| 2                | 88           | .75                                      | .90                |                    | 1024.44                       | 318             | 320             | 327              | 67                        | 105                  | 100                   | 10                 | 80                  |       |
| 3                | 92           | .75                                      | .90                |                    | 1026.45                       | 318             | 320             | 327              | 67                        | 105                  | 100                   | 10                 | 80                  |       |
| 4                | 96           | .75                                      | .90                |                    | 1028.37                       | 318             | 330             | 322              | 67                        | 105                  | 100                   | 10                 | 80                  |       |
| Total            | 5100         |  |                    |                    | 1030.31                       | 3566            |                 | 323              | 65                        | 105                  | 100                   | 9                  | 80                  |       |
| Average          |              |  |                    |                    | (1.281)                       | (580)           |                 |                  |                           | (103.2)              |                       |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.



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General Testing Data Sheet

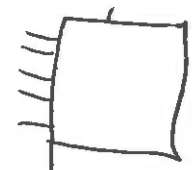
RUN NO. 3

TESTING TYPE: Particulate

METHOD NO. SB/202

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|                 |              |      |                  |          |
|-----------------|--------------|------|------------------|----------|
| Client          | Big Rivers   |      | Water (ml)       | 29.41    |
| Plant           | Henderson    |      | Silica gel (g)   | 90       |
| Location        | Unit 2 Inlet |      | Total Vic        | AES-12-3 |
| Date            | 8/4/11       |      | Line Type        | TFE      |
| Meter Operator  | EA           |      | Nozzle Dia (mm)  | 200      |
| Probe Operator  | TG           |      | Filter ID        | 12154    |
| Meter ID        | M-S          | 9953 | Train Type       | IMP      |
| API#            | 1917         | 12   | Port Length (in) | 30       |
| Pre Leak Check  | 0.000        | 17   |                  |          |
| Post Leak Check | 0.000        | 15   |                  |          |



First point all the way [unclear] [unclear]  
 Gas flow [in] [unclear] of page

| Filter Point | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting (inH <sub>2</sub> O) | Gas Sample Volume (Initial/Final) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|--------------|---|--------------------------------------|-----------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
| 3-1          | 1.0                                       | 1.2                                  | 32.30                             | 319             | 320             | 320              | 68                        | 99                  | 95                   | 10                 | 80                  |       |
| 2            | 1.1                                       | 1.3                                  | 34.53                             | 319             | 320             | 324              | 66                        | 99                  | 95                   | 11                 | 80                  |       |
| 3            | 1.0                                       | 1.2                                  | 36.79                             | 319             | 320             | 324              | 66                        | 99                  | 95                   | 10                 | 79                  |       |
| 4            | 1.0                                       | 1.2                                  | 37.01                             | 319             | 320             | 320              | 66                        | 99                  | 95                   | 10                 | 79                  |       |
| 5            | 0.85                                      | 1.0                                  | 39.24                             | 319             | 320             | 320              | 66                        | 99                  | 95                   | 8                  | 79                  |       |
| 4-1          | 1.1                                       | 1.3                                  | 41.32                             | 319             | 320             | 323              | 66                        | 100                 | 96                   | 9                  | 80                  |       |
| 2            | 1.0                                       | 1.2                                  | 42.85                             | 319             | 321             | 322              | 66                        | 100                 | 97                   | 10                 | 80                  |       |
| 3            | 1.0                                       | 1.2                                  | 45.10                             | 319             | 321             | 322              | 66                        | 101                 | 99                   | 10                 | 77                  |       |
| 4            | 1.0                                       | 1.2                                  | 47.28                             | 319             | 321             | 322              | 66                        | 101                 | 99                   | 10                 | 77                  |       |
| 5            | 1.2                                       | 1.4                                  | 49.39                             | 319             | 321             | 323              | 66                        | 101                 | 99                   | 10                 | 77                  |       |
| 5-1          | 1.2                                       | 1.4                                  | 51.92                             | 319             | 322             | 327              | 66                        | 102                 | 99                   | 12                 | 77                  |       |
| 2            | 1.2                                       | 1.4                                  | 54.25                             | 319             | 323             | 323              | 66                        | 102                 | 99                   | 12                 | 77                  |       |
| 2            | 1.2                                       | 1.4                                  | 56.68                             | 319             | 320             | 323              | 66                        | 102                 | 99                   | 12                 | 77                  |       |
| Total        | 24.432                                    | 15.0                                 | 63.00                             | 3218            |                 |                  |                           | 1203                | 1161                 |                    |                     |       |
| Average      | 0.9773                                    | 1.1432                               | 320.0                             |                 |                 |                  |                           |                     | 94.8                 |                    |                     |       |

Circle correct bracketed [ ] units  
 Train Type denotes impingers, knockouts, etc.

# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

TESTING TYPE: Particulate

RUN NO. 3

METHOD NO. SB/202

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|                 |                     |     |                |          |
|-----------------|---------------------|-----|----------------|----------|
| Client          | Big Rivers          |     | Water (ml) (g) | 29.91    |
| Plant           | Henderson           |     | Sludge gel (g) | 90       |
| Location        | 8/4/11 Unit 2 Inlet |     | Total Vic      | -6.0     |
| Date            | 8/4/11              |     | Project No.    | 3648     |
| Meter Operator  | EA                  |     | Probe ID       | AES-12-3 |
| Probe Operator  | TG                  |     | Nozzle ID      | .14      |
| Meter ID        | M-5                 | Yd  | Filter ID      | 12154    |
| AM@             | 1.917               | M   | Train ID       | FB-      |
| Pre Leak Check  | 006                 | 006 | Duct Dim (in)  | 186x139  |
| Post Leak Check | 000                 | 000 | Start Time     | 1311     |
|                 |                     |     | Stop Time      | 1502     |

Point in all the way (in) (out)  
Gas flow (in) (out) of page

| Travel Point | Min/Point | Velocity Pressure (inH <sub>2</sub> O) | Office Setting AH (inH <sub>2</sub> O) | Gas Sample Volume Initial (ft <sup>3</sup> ) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|--------------|-----------|--|--|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
| 3            | 52        | 1.2                                    | 1.4                                    | 32.3   | 320             | 320             | 320              | 65                        | 102                 | 99                   | 13                 | 78                  |       |
| 4            | 56        | 1.2                                    | 1.4                                    | 59.15  | 321             | 320             | 327              | 65                        | 102                 | 99                   | 13                 | 78                  |       |
| 5            | 60        | 1.2                                    | 1.4                                    | 61.49  | 321             | 327             | 320              | 65                        | 102                 | 99                   | 13                 | 78                  |       |
| 1-1          | 64        | 0.75                                   | 0.90                                   | 63.74  | 321             | 325             | 320              | 66                        | 102                 | 100                  | 10                 | 79                  |       |
| 2            | 68        | 0.75                                   | 0.90                                   | 65.73  | 321             | 323             | 324              | 66                        | 102                 | 100                  | 10                 | 79                  |       |
| 3            | 72        | 0.81                                   | 0.97                                   | 67.70  | 321             | 322             | 325              | 66                        | 102                 | 100                  | 10                 | 79                  |       |
| 4            | 76        | 0.83                                   | 1.0                                    | 69.80  | 321             | 321             | 326              | 66                        | 102                 | 100                  | 10                 | 80                  |       |
| 5            | 80        | 0.81                                   | 0.97                                   | 71.93  | 321             | 321             | 326              | 66                        | 102                 | 100                  | 10                 | 80                  |       |
| 2-1          | 84        | 0.80                                   | 0.96                                   | 74.00  | 321             | 320             | 320              | 66                        | 103                 | 100                  | 10                 | 80                  |       |
| 2            | 88        | 0.80                                   | 0.96                                   | 76.02  | 321             | 320             | 320              | 66                        | 103                 | 100                  | 10                 | 80                  |       |
| 3            | 92        | 0.75                                   | 0.90                                   | 78.13  | 321             | 320             | 320              | 66                        | 103                 | 100                  | 10                 | 80                  |       |
| 4            | 96        | 0.75                                   | 0.90                                   | 80.25  | 321             | 321             | 320              | 66                        | 103                 | 100                  | 10                 | 80                  |       |
|              |           |  |  | 82.28  | 321             | 321             | 320              | 66                        | 103                 | 100                  | 10                 | 80                  | 4H    |
|              |           |  |  | 84.30  | 321             | 321             | 320              | 66                        | 103                 | 100                  | 10                 | 80                  | 9.92  |
| Total        | 5         | 100                                    | 0.77                                   | 85.30  | 321             | 321             | 320              | 66                        | 102                 | 100                  | 10                 | 80                  |       |
| Average      |           |  |  | 1.432  | 320.0           | 320.0           | 320.0            | 66                        | 102                 | 99.8                 | 10                 | 80                  |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Impinger Weights Data Sheet

PROJECT NO. 3648

Page 1 of 1

|          |                            |      |   |
|----------|----------------------------|------|---|
| Client   | Big River - Henderson Unit |      |   |
| Plant    | Robards, KY                |      |   |
| Location | Inlet                      |      |   |
| Date     | 8-4-11                     | Unit | 2 |
| Operator | AL                         |      |   |

| Run No.          | Method No. | Field No.   | Filter No.     | Notes |
|------------------|------------|-------------|----------------|-------|
| 1                | SB/202     |             | 12152          |       |
| Impinger No.     | Contents   | Tare wt (g) | Final (g)      | Notes |
| 1                | Empty      | 595.5       | 767.5          |       |
| 2                | DI         | 739.7       | 690.3          |       |
| 3                | Empty      | 567.5       | 571.8          |       |
| 4                | Silica     | 897.7       | 913.3          |       |
| 5                |            |             |                |       |
| 6                |            |             |                |       |
| 7                |            |             |                |       |
| Additional Rinse |            |             |                |       |
|                  |            |             | Net Weight (g) |       |

| Run No.          | Method No. | Field No.   | Filter No.     | Notes |
|------------------|------------|-------------|----------------|-------|
| 2                | SB/202     |             | 12153          |       |
| Impinger No.     | Contents   | Tare wt (g) | Final (g)      | Notes |
| 1                | Empty      | 560.2       | 749.6          | 663.7 |
| 2                | DI         | 733.2       | 727.2          |       |
| 3                | Empty      | 628.7       | 641.2          |       |
| 4                | Silica     | 874.2       | 885.5          |       |
| 5                |            |             |                |       |
| 6                |            |             |                |       |
| 7                |            |             |                |       |
| Additional Rinse |            |             |                |       |
|                  |            |             | Net Weight (g) |       |

| Run No.          | Method No. | Field No.   | Filter No.     | Notes |
|------------------|------------|-------------|----------------|-------|
| 3                | SB/202     |             | 12154          |       |
| Impinger No.     | Contents   | Tare wt (g) | Final (g)      | Notes |
| 1                | Empty      | 596.0       | 717.0          |       |
| 2                | DI         | 737.0       | 731.9          |       |
| 3                | Empty      | 567.9       | 574.5          |       |
| 4                | Silica     | 913.2       | 925.4          |       |
| 5                |            |             |                |       |
| 6                |            |             |                |       |
| 7                |            |             |                |       |
| Additional Rinse |            |             |                |       |
|                  |            |             | Net Weight (g) |       |



**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

1228

1129

RUN NO. 1      Page 1 of 1

TESTING TYPE: HCl

METHOD NO. 26

|  |            |               |                             |         |
|--|------------|---------------|-----------------------------|---------|
| Client   | Big Rivers |               | Water [ml] [g]              | 29.41   |
| Plant  | Henderson  |               | Silica gel (g)              | 90      |
| Location   | Inlet H 2  |               | Total Vlc                   | -5.8    |
| Date   | 8/4/11     |               | Line Type                   | GLASS   |
| Project No.  | 3648       |               | Nozzle Dia (in)             | 2.0     |
| Meter Operator   | SH         |               | Filter ID                   | N/A     |
| Probe Operator   | SH         |               | Train Type                  | Imp     |
| Meter ID   | M-20       | 70            | 9952                        | 10-14   |
| ΔH <sub>2</sub>  | 1.785      | KI            | 1.11                        | 156x135 |
| P/S Leak Check   | 000        | [ppm] [ppm] @ | 15                          |         |
| Post Leak Check  | 000        | [ppm] [ppm] @ | 12                          |         |
| [N] [up]      First point all the way [in] [out] of page<br>Gas flow: [in] [out] of page |            |               | Barometric (inHg)           |         |
| Cross Section of Duct  |            |               | Ambient Temp (°F)           |         |
|  |            |               | Static (inH <sub>2</sub> O) |         |
|  |            |               | Probe ID                    |         |
|  |            |               | Nozzle ID                   |         |
|  |            |               | Filter ID                   |         |
|  |            |               | Train ID                    |         |
|  |            |               | Duct Dim. (in)              |         |
|  |            |               | Start Time                  | 2:19    |
|  |            |               | Stop Time                   | 9:23    |

| Traverse Point | Min/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Crifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume (initial [ft <sup>3</sup> ]) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|---|---|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                | 10                     | .90                                       | 1.0                                     | 547.15   | 318             | 263             | 260              | 68                        | 90                  | 87                   | 5                  | N/A                 |       |
|                | 20                     | .87                                       | .97                                     | 553.52   | 317             | 260             | 260              | 67                        | 97                  | 89                   | 5                  |                     |       |
|                | 30                     | .89                                       | .99                                     | 559.17   | 317             | 260             | 260              | 67                        | 99                  | 89                   | 5                  |                     |       |
|                | 40                     | .93                                       | 1.0                                     | 564.83   | 316             | 260             | 260              | 66                        | 101                 | 92                   | 5                  |                     |       |
|                | 50                     | .90                                       | 1.0                                     | 570.56   | 319             | 260             | 260              | 65                        | 102                 | 93                   | 5                  |                     |       |
|                | 60                     | .93                                       | 1.0                                     | 576.27   | 316             | 260             | 261              | 64                        | 103                 | 15                   | 6                  |                     |       |
|                | 76                     | .90                                       | 1.0                                     | 581.96   | 316             | 260             | 260              | 64                        | 104                 | 95                   | 6                  |                     |       |
|                | 80                     | .87                                       | .99                                     | 587.78   | 316             | 259             | 259              | 62                        | 105                 | 97                   | 6                  |                     |       |
|                | 90                     | .90                                       | 1.0                                     | 593.40   | 317             | 260             | 259              | 61                        | 107                 | 97                   | 6                  |                     |       |
|                | 100                    | .87                                       | .99                                     | 599.07   | 316             | 260             | 260              | 60                        | 106                 | 99                   | 6                  |                     |       |
|                | 110                    | .89                                       | .99                                     | 604.76   | 315             | 260             | 260              | 59                        | 105                 | 98                   | 6                  |                     |       |
|                | 120                    | .87                                       | .99                                     | 610.38   | 315             | 260             | 260              | 59                        | 103                 | 98                   | 6                  |                     |       |
| Total          |                        | 10.72                                     | 11.9598                                 | 628.09   | 3798            |                 |                  |                           | 1222                | 1129                 |                    |                     |       |
| Average        |                        | .893                                      | .9967                                   | 376.50   |                 |                 |                  |                           | 97.9583             |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

1208  
28

TESTING TYPE: HCl

METHOD NO. 26

RUN NO. 2

Page 1 of 1

|                 |            |               |                 |            |     |
|-----------------|------------|---------------|-----------------|------------|-----|
| Client          | Big Rivers |               | Water [ml] [g]  | 29.41      |     |
| Plant           | Hempherson |               | Silica gel (g)  | 95         |     |
| Location        | Inlet # 2  |               | Total Vic       | -5.5       |     |
| Date            | 8/4/11     | Project No.   | 3648            |            |     |
| Meter Operator  | SH         |               | Probe ID        | AES-65     |     |
| Probe Operator  | SL         |               | Nozzle Dia (in) | 200        |     |
| Meter ID        | M-20       | Yd            | 9952            | Pilot Cp   | .84 |
| MFC             | 1.785      | MT            | 1.11            | Leak check | ✓   |
| Pre Leak Check  | .000       | (ppm) [ppm] @ | 15              | (inHg)     |     |
| Post Leak Check | 4.0        | (ppm) [ppm] @ | 15              | (inHg)     |     |

First point all the way [in] [out]   
 Gas flow [in] [out] of page

| Traverse Point | Min/Point Elapsed Time | Velocity ΔP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume |               | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|----------------------------------|---|-------------------|---------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                        |                                  |   | Initial [l] [l]   | Final [l] [l] |                 |                  |                           |                     |                      |                    |                     |       |
| 10             | 10                     | .90                              | 1.0                                     | 611.89            | 617.63        | 260             | 260              | 68                        | 94                  | 92                   | 4                  | NA                  |       |
| 20             | 20                     | .87                              | 1.0                                     | 623.31            | 623.31        | 260             | 260              | 67                        | 99                  | 93                   | 5                  |                     |       |
| 30             | 30                     | .88                              | 1.0                                     | 628.94            | 628.94        | 266             | 264              | 66                        | 102                 | 93                   | 5                  |                     |       |
| 40             | 40                     | .90                              | 1.0                                     | 634.76            | 634.76        | 266             | 261              | 66                        | 101                 | 94                   | 5                  |                     |       |
| 50             | 50                     | .89                              | 1.0                                     | 640.35            | 640.35        | 259             | 257              | 65                        | 102                 | 94                   | 5                  |                     |       |
| 60             | 60                     | .93                              | 1.0                                     | 646.10            | 646.10        | 260             | 258              | 64                        | 101                 | 94                   | 5                  |                     |       |
| 70             | 70                     | .90                              | 1.0                                     | 651.73            | 651.73        | 260             | 262              | 64                        | 100                 | 93                   | 6                  |                     |       |
| 80             | 80                     | .90                              | 1.0                                     | 657.43            | 657.43        | 260             | 261              | 63                        | 100                 | 93                   | 6                  |                     |       |
| 90             | 90                     | .91                              | 1.0                                     | 663.10            | 663.10        | 261             | 262              | 63                        | 100                 | 93                   | 6                  |                     |       |
| 100            | 100                    | .91                              | 1.0                                     | 668.84            | 668.84        | 260             | 259              | 62                        | 102                 | 96                   | 6                  |                     |       |
| 110            | 110                    | .92                              | 1.0                                     | 674.68            | 674.68        | 260             | 261              | 61                        | 103                 | 96                   | 6                  |                     |       |
| 120            | 120                    | .90                              | 1.0                                     | 680.34            | 680.34        | 260             | 261              | 60                        | 104                 | 97                   | 6                  |                     |       |
| Total          |                        | 10.80                            |   | 6845.8            | 6845.8        | 3307            |                  |                           | 1208                | 1128                 |                    |                     |       |
| Average        |                        | 90.83                            |   | 17.917            | 17.917        |                 |                  |                           | 97.33               |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train Typ denotes impingers, knockout, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

1416  
1367



TESTING TYPE: HCL

RUN NO. 3 METHOD NO. 26 Page 1 of 1

|                 |           |                   |
|-----------------|-----------|-------------------|
| Client          | Big River |                   |
| Plant           | Henderson |                   |
| Location        | Inlet     |                   |
| Date            | 6/14/11   | Project No. 3648  |
| Meter Operator  | SH        |                   |
| Probe Operator  | SH        |                   |
| Meter ID        | M-20      | Yd .9952          |
| ΔP@             | 1.785     | KI 1.11           |
| Pre Leak Check  | 0.00      | (ppm) @ 15 (inHg) |
| Post Leak Check | 0.00      | (ppm) @ 15 (inHg) |

|                             |            |                  |      |
|-----------------------------|------------|------------------|------|
| Barometric (inHg)           | 29.91      | Water (ml) (g)   |      |
| Ambient Temp (°F)           | 95         | Silica gel (g)   |      |
| Static (inH <sub>2</sub> O) | -5.5       | Total Vic        |      |
| Probe ID                    | AE 5-6-0   | Liner Type       | Clas |
| Nozzle ID                   | .200       | Nozzle Dia (in)  | .200 |
| Filter ID                   | N/A        |                  |      |
| Train ID                    | 10 14      | Train Type       | mp   |
| Duct Dim. (in)              | 1.5 x 1.35 | Port Length (in) | 3.0  |

Start Time 13:11 Stop Time 15:15

First point all the way [in] [out]

Gas flow [in] [out] of page

Cross Section of Duct

| Traverse Point | Mir/Point | Velocity Pressure ΔP (inH <sub>2</sub> O) | Drift Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial (l) (l) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes         |
|----------------|-----------|---|---------------------------------------|-----------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|---------------|
| 10             | 10        | .91                                       | 1.0                                   | 688.68                            | 523.18          | 260             | 260              | 68                        | 104                 | 105                  | 5                  |                     |               |
| 20             | 20        | .90                                       | 1.0                                   | 693.20                            | 318             | 260             | 260              | 66                        | 105                 | 105                  | 5                  |                     |               |
| 30             | 30        | .90                                       | 1.0                                   | 698.95                            | 318             | 260             | 262              | 65                        | 110                 | 107                  | 5                  |                     |               |
| 40             | 40        | .89                                       | .99                                   | 104.76                            | 318             | 260             | 259              | 67                        | 115                 | 109                  | 5                  |                     |               |
| 50             | 50        | .90                                       | 1.0                                   | 710.50                            | 319             | 260             | 260              | 63                        | 118                 | 113                  | 5                  |                     |               |
| 60             | 60        | .92                                       | 1.0                                   | 116.35                            | 319             | 260             | 260              | 62                        | 120                 | 113                  | 5                  |                     |               |
| 70             | 70        | .89                                       | .99                                   | 722.10                            | 318             | 260             | 260              | 61                        | 122                 | 116                  | 6                  |                     |               |
| 80             | 80        | .92                                       | 1.0                                   | 727.80                            | 318             | 260             | 250              | 62                        | 124                 | 119                  | 6                  |                     |               |
| 90             | 90        | .90                                       | 1.0                                   | 733.67                            | 318             | 260             | 261              | 63                        | 120                 | 119                  | 6                  |                     |               |
| 100            | 100       | .88                                       | .98                                   | 729.20                            | 318             | 260             | 260              | 62                        | 120                 | 120                  | 4                  |                     |               |
| 110            | 110       | .90                                       | 1.0                                   | 748.41                            | 319             | 260             | 260              | 61                        | 126                 | 121                  | 13                 |                     | One Inlet 124 |
| 126            | 126       | .91                                       | 1.0                                   | 754.73                            | 138             | 260             | 260              | 60                        | 124                 | 121                  | 7                  |                     | One Inlet 124 |
| Total          |           | 10.23                                     |                                       | 72.92                             | 3819            |                 |                  |                           | 1416                | 1367                 |                    |                     |               |
| Average        |           | (9025)                                    |                                       | 318.25                            |                 |                 |                  |                           | (116.4167)          |                      |                    |                     |               |

Circle contact bracketed [ ] units  
Train Type denotes Impingers, Kruckouts etc



AIRTECH ENVIRONMENTAL SERVICES INC.  
Impinger Weights Data Sheet

PROJECT NO. 3645

Page 1 of 1

|           |                             |       |   |
|-----------|-----------------------------|-------|---|
| Client:   | Big Rivers - Henderson Unit |       |   |
| Plant:    | Roberts, KY                 |       |   |
| Location: | Inlet                       |       |   |
| Case:     | 8-4-11                      | Unit: | 2 |
| Operator: | AL                          |       |   |

| Run No.          | 1                              | Train ID               |           | Filter No. | NA    |
|------------------|--------------------------------|------------------------|-----------|------------|-------|
| Method No.       | 26A                            |                        |           |            |       |
|                  | Contents                       | Tare with Contents (g) | Final (g) | Total (g)  | Notes |
| Impinger No. 1   | H <sub>2</sub> SO <sub>4</sub> | 720.0                  | 643.5     |            |       |
| Impinger No. 2   | H <sub>2</sub> SO <sub>4</sub> | 578.1                  | 540.5     |            |       |
| Impinger No. 3   | Empty                          | 622.2                  | 631.5     |            |       |
| Impinger No. 4   | Silica                         | 909.0                  | 925.0     |            |       |
| Impinger No. 5   |                                |                        |           |            |       |
| Impinger No. 6   |                                |                        |           |            |       |
| Impinger No. 7   |                                |                        |           |            |       |
| Additional Rinse |                                |                        |           |            |       |
| Net Weight (g)   |                                |                        |           |            |       |

| Run No.          | 2                              | Train ID               |           | Filter No. | NA    |
|------------------|--------------------------------|------------------------|-----------|------------|-------|
| Method No.       | 26A                            |                        |           |            |       |
|                  | Contents                       | Tare with Contents (g) | Final (g) | Total (g)  | Notes |
| Impinger No. 1   | H <sub>2</sub> SO <sub>4</sub> | 718.7                  | 652.0     |            |       |
| Impinger No. 2   | H <sub>2</sub> SO <sub>4</sub> | 734.6                  | 744.5     |            |       |
| Impinger No. 3   | Empty                          | 634.6                  | 640.0     |            |       |
| Impinger No. 4   | Silica                         | 909.6                  | 924.5     |            |       |
| Impinger No. 5   |                                |                        |           |            |       |
| Impinger No. 6   |                                |                        |           |            |       |
| Impinger No. 7   |                                |                        |           |            |       |
| Additional Rinse |                                |                        |           |            |       |
| Net Weight (g)   |                                |                        |           |            |       |

| Run No.          | 3                              | Train ID               |           | Filter No. | NA    |
|------------------|--------------------------------|------------------------|-----------|------------|-------|
| Method No.       | 26A                            |                        |           |            |       |
|                  | Contents                       | Tare with Contents (g) | Final (g) | Total (g)  | Notes |
| Impinger No. 1   | H <sub>2</sub> SO <sub>4</sub> | 722.1                  | 628.7     |            |       |
| Impinger No. 2   | H <sub>2</sub> SO <sub>4</sub> | 578.9                  | 609.3     |            |       |
| Impinger No. 3   | Empty                          | 621.7                  | 631.2     |            |       |
| Impinger No. 4   | Silica                         | 924.0                  | 936.5     |            |       |
| Impinger No. 5   |                                |                        |           |            |       |
| Impinger No. 6   |                                |                        |           |            |       |
| Impinger No. 7   |                                |                        |           |            |       |
| Additional Rinse |                                |                        |           |            |       |
| Net Weight (g)   |                                |                        |           |            |       |

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

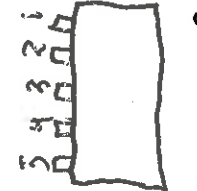
TESTING TYPE: Metals

RUN NO. 1

METHOD NO. 29

Page 1 of 2

|                 |                   |               |                             |            |        |
|-----------------|-------------------|---------------|-----------------------------|------------|--------|
| Client          | Big Rivers        |               | Water [ml] [g]              | 21.41      |        |
| Plant           | Henderson - green |               | Ambient Temp (°F)           | 90         |        |
| Location        | Inlet #2          |               | Static (inH <sub>2</sub> O) | -5         |        |
| Date            | 8/4/11            | Project No.   | 3548                        |            |        |
| Meter Operator  | BK                |               | Probe ID                    | AE-5-125   |        |
| Probe Operator  | TC                |               | Nozzle ID                   | .195       |        |
| Meter ID        | M-14              | Yd            | L-0087                      | Pilot Cp   | .84    |
| ΔH@             | 1.802             | Kr            | 1.02                        | Leak check | ✓      |
| Pre Leak Check  | .000              | [ppm] [ppm] @ |                             | 15         | (inHg) |
| Post Leak Check | <C                | [cfm] [ppm] @ |                             | 15         | (inHg) |



Cross Section of Duct

Start Time 7:19 Stop Time 9:35

| Traverse Point | Min/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|---|---|-------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                        |   |   |                               |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 1-1            | 5                      | .65                                       | .67                                     | 833.50                        | 316             | 250             | 250              | 57                        | 87                  | 86                   | 2                  | N/A                 |       |
| 2              | 10                     | .72                                       | .73                                     | 838.11                        | 316             | 254             | 250              | 57                        | 88                  | 83                   | 2                  |                     |       |
| 3              | 15                     | .80                                       | .82                                     | 840.48                        | 319             | 251             | 245              | 57                        | 90                  | 83                   | 2                  |                     |       |
| 4              | 20                     | .87                                       | .89                                     | 843.09                        | 325             | 249             | 253              | 56                        | 93                  | 83                   | 2                  |                     |       |
| 5              | 25                     | .63                                       | .64                                     | 845.30                        | 326             | 249             | 245              | 56                        | 95                  | 86                   | 2                  |                     |       |
| 2-1            | 30                     | .80                                       | .82                                     | 847.89                        | 313             | 248             | 255              | 59                        | 95                  | 87                   | 2                  |                     |       |
| 2              | 35                     | .83                                       | .85                                     | 850.46                        | 313             | 248             | 248              | 57                        | 96                  | 88                   | 2                  |                     |       |
| 3              | 40                     | .61                                       | .61                                     | 853.31                        | 317             | 251             | 247              | 58                        | 98                  | 89                   | 2                  |                     |       |
| 4              | 45                     | 1.2                                       | 1.2                                     | 856.29                        | 325             | 252             | 254              | 57                        | 109                 | 90                   | 4                  |                     |       |
| 5              | 50                     | .93                                       | .95                                     | 859.05                        | 326             | 250             | 251              | 57                        | 101                 | 90                   | 4                  |                     |       |
| 3-1            | 55                     | .95                                       | .97                                     | 861.78                        | 316             | 248             | 250              | 57                        | 100                 | 93                   | 3                  |                     |       |
| 2              | 60                     | .97                                       | .99                                     | 864.58                        | 317             | 249             | 250              | 57                        | 100                 | 93                   | 3                  |                     |       |
| Total          |                        | 29.43                                     | 24.4                                    | 68.10                         | 749.2           |                 |                  |                           | 252.6               | 232.5                |                    |                     |       |
| Average        |                        | .9772                                     | .9760                                   |                               | 319.6           |                 |                  |                           |                     | 97.02                |                    |                     |       |

ie correct bracketed [ ] units in Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

RUN NO. 7

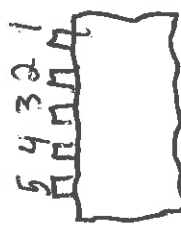
TESTING TYPE: Metals

METHOD NO. 29

Page 2 of 2

|                 |                 |                         |
|-----------------|-----------------|-------------------------|
| Client          | Big Rivers      |                         |
| Plant           | Hemlock - C-Run |                         |
| Location        | Inlet #2        |                         |
| Date            | 8/4/11          | Project No. 3648        |
| Meter Operator  | DK              |                         |
| Probe Operator  | TG              |                         |
| Meter ID        | M-14            | Yd. 1.0087              |
| ΔH@             | 1.802           | Kf 1.02                 |
| Pre Leak Check  | 1.00            | [cfm] [ipm] @ 15 (inHg) |
| Post Leak Check |                 | [cfm] [ipm] @ (inHg)    |

|                             |           |                  |        |
|-----------------------------|-----------|------------------|--------|
| Barometric (inHg)           | 29.41     | Water [ml] [g]   |        |
| Ambient Temp (°F)           | 70        | Silica gel (g)   |        |
| Static (inH <sub>2</sub> O) | -6        | Total Vlc        |        |
| Probe ID                    | AF-5-12-5 | Liner Type       | teflon |
| Nozzle ID                   | .195      | Nozzle Dia (in)  | .195   |
| Filter ID                   | N/A       |                  |        |
| Train ID                    | TB New    | Train Type       | Imp    |
| Duct Dim. (in)              | 176 x 130 | Port Length (in) | 30     |



First point all the way (M) [up] of page  
Gas flow [in] [out] of page

|            |      |           |      |
|------------|------|-----------|------|
| Start Time | 7:19 | Stop Time | 9:35 |
|------------|------|-----------|------|

| Min/Point | Elapsed Time | Velocity Pressure AP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [ft <sup>3</sup> ] [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|-----------|--------------|---|---|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|           |              |   |   |  |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 3         | 65           | 1.0                                       | 1.0                                     | 833.50   | 322             | 250             | 250              | 56                        | 103                 | 95                   | 3                  | N/A                 |       |
| 4         | 70           | 1.0                                       | 1.0                                     | 867.37   | 325             | 251             | 252              | 56                        | 104                 | 95                   | 3                  |                     |       |
| 5         | 75           | .85                                       | .87                                     | 872.81   | 325             | 251             | 251              | 56                        | 105                 | 96                   | 3                  |                     |       |
| 4-1       | 80           | 1.0                                       | 1.0                                     | 875.65   | 314             | 248             | 249              | 57                        | 104                 | 97                   | 3                  |                     |       |
| 2         | 85           | 1.1                                       | 1.1                                     | 878.50   | 316             | 248             | 250              | 57                        | 105                 | 97                   | 3                  |                     |       |
| 3         | 90           | 1.2                                       | 1.2                                     | 881.50   | 320             | 252             | 249              | 57                        | 107                 | 98                   | 3                  |                     |       |
| 4         | 95           | 1.1                                       | 1.1                                     | 884.39   | 320             | 252             | 249              | 58                        | 107                 | 98                   | 3                  |                     |       |
| 5         | 100          | 1.1                                       | 1.1                                     | 887.22   | 320             | 250             | 251              | 58                        | 108                 | 99                   | 4                  |                     |       |
| 5-1       | 105          | 1.1                                       | 1.1                                     | 889.93   | 320             | 250             | 251              | 58                        | 108                 | 99                   | 4                  |                     |       |
| 2         | 110          | 1.3                                       | 1.3                                     | 892.64   | 321             | 250             | 250              | 59                        | 108                 | 99                   | 4                  |                     |       |
| 3         | 115          | 1.1                                       | 1.1                                     | 895.49   | 320             | 249             | 250              | 59                        | 108                 | 99                   | 4                  |                     |       |
| 4         | 120          | 1.0                                       | 1.1                                     | 898.55   | 320             | 249             | 250              | 59                        | 108                 | 99                   | 4                  |                     |       |
| Total     | 126          | .95                                       | .97                                     | 901.60   | 320             | 251             | 250              | 60                        | 108                 | 99                   | 4                  |                     |       |
| Average   |              |   |   |  |                 |                 |                  |                           |                     |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes Impingers, Knockouts, etc.



**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

TESTING TYPE: Metals

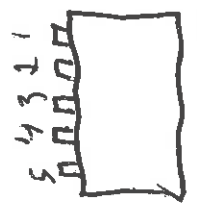
2

METHOD NO. 29

RUN NO.

Page 1 of 2

|                 |                   |             |        |
|-----------------|-------------------|-------------|--------|
| Client          | Big Rivers        |             |        |
| Plant           | Henderson - Green |             |        |
| Location        | Inlet #2          |             |        |
| Date            | 8/4/11            | Project No. | 13548  |
| Meter Operator  | BK                |             |        |
| Probe Operator  | TG                |             |        |
| Meter ID        | M-14              | Yrd         | 1.0087 |
| Alt             | 1.802             | kg          | 1.02   |
| Pre Leak Check  | 0.00              | (scfm) @    | 15     |
| Post Leak Check | 0.00              | (scfm) @    | 10     |
| Pilot Op        | 74                | Leak check  | V      |



|                   |             |                  |        |
|-------------------|-------------|------------------|--------|
| Barometric (inHg) | 21.41       | Water (ml) (g)   |        |
| Ambient Temp (°F) | 90          | Silica gel (g)   |        |
| Static (inH2O)    | -6          | Total V/c        |        |
| Probe ID          | AE-5-125    | Liner Type       | Teflon |
| Nozzle ID         | .195        | Nozzle Dia (in)  | .195   |
| Filter ID         | N/A         | Train Type       | Imp    |
| Train ID          | FB-10       | Port Length (in) | 30     |
| Duct Dim (in)     | 4.86 x 1.34 |                  |        |

|            |       |           |       |
|------------|-------|-----------|-------|
| Start Time | 10:09 | Stop Time | 12:31 |
|------------|-------|-----------|-------|

| Time    | Min/Point | Velocity Pressure ΔP (inH2O) | Orifice Setting ΔH (inH2O) | Gas Sample Volume Initial (ft³) (l) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|---------|-----------|------------------------------|----------------------------|-------------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
| 5       | 5         | .70                          | .71                        | 902.40                              | 315             | 250             | 250              | 61                        | 104                 | 100                  | 3                  | N/A                 |       |
| 10      | 10        | .72                          | .73                        | 904.84                              | 316             | 249             | 249              | 59                        | 104                 | 101                  | 3                  |                     |       |
| 15      | 15        | .83                          | .85                        | 909.85                              | 315             | 252             | 251              | 59                        | 105                 | 102                  | 3                  |                     |       |
| 20      | 20        | .89                          | .91                        | 912.53                              | 316             | 251             | 251              | 58                        | 106                 | 102                  | 3                  |                     |       |
| 25      | 25        | .65                          | .66                        | 915.01                              | 316             | 251             | 250              | 58                        | 106                 | 100                  | 3                  |                     |       |
| 30      | 30        | .77                          | .78                        | 917.55                              | 317             | 250             | 251              | 58                        | 106                 | 100                  | 3                  |                     |       |
| 35      | 35        | .80                          | .82                        | 920.12                              | 316             | 250             | 250              | 57                        | 107                 | 100                  | 3                  |                     |       |
| 40      | 40        | .80                          | .82                        | 922.67                              | 316             | 250             | 250              | 57                        | 106                 | 99                   | 3                  |                     |       |
| 45      | 45        | .76                          | .77                        | 925.64                              | 316             | 250             | 250              | 57                        | 107                 | 100                  | 3                  |                     |       |
| 50      | 50        | .70                          | .71                        | 927.56                              | 316             | 250             | 250              | 57                        | 107                 | 100                  | 3                  |                     |       |
| 55      | 55        | .98                          | 1.0                        | 930.41                              | 317             | 249             | 249              | 56                        | 102                 | 99                   | 4                  |                     |       |
| 60      | 60        | 1.0                          | 1.0                        | 933.32                              | 317             | 250             | 251              | 56                        | 102                 | 97                   | 4                  |                     |       |
| Total   |           | 23.748                       | 24.34                      | 918.86                              | 7422            |                 |                  |                           | 2573                | 2336                 |                    |                     |       |
| Average |           | 0.9520                       | 0.9761                     | 316.88                              | 316.88          |                 |                  |                           | 98.22               |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.

# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

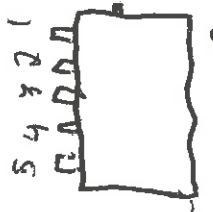
TESTING TYPE: Metals

RUN NO. 2

METHOD NO. 29

Page 2 of 2

|                 |                   |               |                 |           |
|-----------------|-------------------|---------------|-----------------|-----------|
| Client          | Big Rivers        |               | Water (ml) [g]  | 29.71     |
| Plant           | Henderson - Green |               | Silica gel (g)  | 90        |
| Location        | Inlet #2          |               | Total Vlc       | -6        |
| Date            | Project No. 3698  |               | Probe ID        | AE5-12-S  |
| Master Operator | BK                |               | Nozzle Dia (in) | .145      |
| Probe Operator  | TG                |               | Filter ID       | N/A       |
| Meter ID        | M-14              | Valve         | Train ID        | IR 10     |
| AM#             | 1.800             | KT            | Duct Dim. (in)  | 186 x 139 |
| Pre Leak Check  | .000              | (inHg) (mmHg) | Start Time      | 10:09     |
| Post Leak Check | .000              | (inHg) (mmHg) | Stop Time       | 12:38     |



| Traverse Point | Min/Point | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting AH (inH <sub>2</sub> O) | Gas Sample Volumes Initial (ft <sup>3</sup> ) [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|-----------|---|---|---|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
| 3              | 55        | 1.1                                       | 1.1                                     | 936.22  | 317             | 250             | 251              | 55                        | 102                 | 96                   | 4                  | N/A                 |       |
| 4              | 76        | 1.2                                       | 1.2                                     | 939.21  | 318             | 249             | 248              | 56                        | 102                 | 96                   | 4                  |                     |       |
| 5              | 75        | .86                                       | .88                                     | 941.82  | 317             | 252             | 250              | 56                        | 101                 | 96                   | 3                  |                     |       |
| 4-1            | 81        | 1.2                                       | 1.2                                     | 944.81  | 318             | 250             | 251              | 57                        | 100                 | 94                   | 4                  |                     |       |
| 2              | 85        | 1.2                                       | 1.2                                     | 947.81  | 318             | 251             | 251              | 57                        | 100                 | 94                   | 4                  |                     |       |
| 3              | 90        | 1.1                                       | 1.1                                     | 950.77  | 318             | 251             | 252              | 57                        | 101                 | 95                   | 4                  |                     |       |
| 4              | 95        | 1.0                                       | 1.0                                     | 953.50  | 317             | 249             | 251              | 57                        | 101                 | 96                   | 4                  |                     |       |
| 5              | 100       | 1.1                                       | 1.1                                     | 956.39  | 317             | 248             | 249              | 58                        | 101                 | 94                   | 4                  |                     |       |
| 5-1            | 105       | 1.0                                       | 1.0                                     | 959.27  | 318             | 250             | 250              | 58                        | 101                 | 94                   | 4                  |                     |       |
| 2              | 110       | 1.2                                       | 1.2                                     | 962.14  | 318             | 250             | 251              | 59                        | 101                 | 94                   | 4                  |                     |       |
| 3              | 115       | 1.4                                       | 1.4                                     | 965.10  | 318             | 250             | 250              | 59                        | 101                 | 94                   | 4                  |                     |       |
| 4              | 120       | 1.1                                       | 1.1                                     | 968.38  | 317             | 250             | 250              | 60                        | 101                 | 94                   | 4                  |                     |       |
| Total          | 5         | 1.1                                       | 1.1                                     | 971.26  | 318             | 250             | 250              | 60                        | 101                 | 94                   | 4                  |                     |       |
| Average        |           |   |   |   |                 |                 |                  |                           |                     |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.



# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

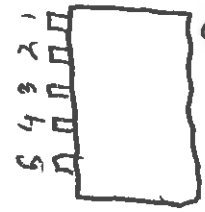
TESTING TYPE: Metals

RUN NO. 3

METHOD NO. 29

Page 1 of 2

|                 |                 |             |           |
|-----------------|-----------------|-------------|-----------|
| Client          | Big Rivers      |             |           |
| Plant           | Henderson-Green |             |           |
| Location        | Inlet #2        |             |           |
| Date            | 8/4/11          | Project No. | 3648      |
| Water Operator  | BK              |             |           |
| Probe Operator  | TG              |             |           |
| Filter ID       | M-14            | Pilot Cp    | .84       |
| Flow            | 1.802           | Leak check  | ✓         |
| Pre Leak Check  | 1.000           | Leak @      | 15 (inHg) |
| Post Leak Check | 1.000           | Leak @      | 8 (inHg)  |



|                    |           |                  |        |
|--------------------|-----------|------------------|--------|
| Bathemetric (inHg) | 29.41     | Water (ml) [g]   |        |
| Ambient Temp (°F)  | 90        | Silica gel (g)   |        |
| Static (inHg)      | -6        | Total Vtc        |        |
| Probe ID           | AE-5-12-6 | Liner Type       | REFION |
| Nozzle ID          | .195      | Nozzle Dia (in)  | 1.195  |
| Filter ID          | N/A       |                  |        |
| Train ID           |           | Train Type       | EMP    |
| Duct Dim. (in)     | 186x139   | Port Length (in) | 30     |
| Start Time         | 13:11     | Stop Time        | 15:40  |

| Travel Point | Min/Point | Pressure                | Velocity | Office | Setting                 | Gas Sample                | Stack     | Probe     | Filter    | Impinger         | DGM             | Pump          | Auxiliary | Notes |
|--------------|-----------|-------------------------|----------|--------|-------------------------|---------------------------|-----------|-----------|-----------|------------------|-----------------|---------------|-----------|-------|
| Time         | Elapsed   | ΔP (inH <sub>2</sub> O) | ft/min   | °F     | ΔH (inH <sub>2</sub> O) | Volume (ft <sup>3</sup> ) | Temp (°F) | Temp (°F) | Temp (°F) | Outlet Temp (°F) | Inlet Temp (°F) | Vacuum (inHg) | Temp (°F) |       |
| 1-1          | 5         | .65                     |          | .66    |                         | 972.10                    | 315       | 250       | 250       | 59               | 99              | 3             | N/A       |       |
| 2            | 10        | .73                     |          | .74    |                         | 974.98                    | 316       | 253       | 251       | 59               | 100             | 3             |           |       |
| 3            | 15        | .82                     |          | .84    |                         | 979.45                    | 316       | 254       | 250       | 57               | 102             | 3             |           |       |
| 4            | 20        | .85                     |          | .87    |                         | 981.99                    | 315       | 252       | 250       | 57               | 102             | 3             |           |       |
| 5            | 25        | .63                     |          | .64    |                         | 984.46                    | 315       | 250       | 251       | 57               | 103             | 3             |           |       |
| 2-1          | 30        | .76                     |          | .77    |                         | 986.93                    | 315       | 250       | 250       | 56               | 106             | 3             |           |       |
| 3            | 35        | .78                     |          | .79    |                         | 989.42                    | 316       | 250       | 250       | 56               | 106             | 3             |           |       |
| 4            | 40        | .75                     |          | .76    |                         | 991.92                    | 316       | 250       | 250       | 56               | 107             | 3             |           |       |
| 5            | 45        | .80                     |          | .82    |                         | 994.45                    | 316       | 250       | 250       | 56               | 108             | 3             |           |       |
| 5            | 50        | .70                     |          | .71    |                         | 996.86                    | 316       | 250       | 250       | 56               | 109             | 3             |           |       |
| 3-1          | 55        | 6.0                     |          | 1.0    |                         | 999.27                    | 316       | 250       | 252       | 57               | 109             | 3             |           |       |
| 2            | 60        | 1.0                     |          | 1.0    |                         | 002.12                    | 316       | 250       | 251       | 57               | 110             | 3             |           |       |
| Total        |           | 24.5086                 |          | 24.49  |                         | 67.847                    | 7896      |           |           |                  | 2709            |               |           |       |
| Average      |           | 1.9803                  |          | 1.9796 |                         |                           | 315.84    |           |           |                  | 105.32          |               |           |       |

Circle correct bracketed [ ] units  
Train Type denotes Impingers, Knockouts, etc.



# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

TESTING TYPE: Metals

RUN NO. 3

METHOD NO. 29

Page 2 of 2

|                 |                 |                |                |                 |           |
|-----------------|-----------------|----------------|----------------|-----------------|-----------|
| Client          | Big Rivers      |                | Water (ml) (g) | 20.41           |           |
| Plant           | Henderson-Green |                | Silica gel (g) | 10              |           |
| Location        | Inlet #2        |                | Total Vic      | AE-5-125        |           |
| Date            | 8/4/11          | Project No.    | 3548           | Probe ID        | AE-5-125  |
| Meter Operator  | BK              |                |                | Nozzle Dia (in) | .195      |
| Probe Operator  | TG              |                |                | Filter ID       | N/A       |
| Meter ID        | M-14            | Val            | 1.0087         | Train Type      | Imp       |
| ΔH              | 1.802           | KV             | 1.02           | Duct Dim. (in)  | 186 X 131 |
| Pre Leak Check  | - .000          | (scfm) (lpm) @ | 15             | Start Time      | 13:11     |
| Post Leak Check | .000            | (scfm) (lpm) @ | 8              | Stop Time       | 15:40     |



| Traveler Point | Min/Point | Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting AS (inH <sub>2</sub> O) | Gas Sample Volume Initial (ft <sup>3</sup> ) | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|-----------|--------------|---|---|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |           |              |   |   |  |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 3              | 69        |              | 1.1                                       | 1.1                                     | 922.10                                       | 316             | 250             | 250              | 52                        | 111                 | 104                  | 4                  | N/A                 |       |
| 4              | 70        |              | 1.2                                       | 1.2                                     | 007.83                                       | 316             | 250             | 250              | 57                        | 112                 | 104                  | 4                  |                     |       |
| 5              | 75        |              | 1.87                                      | 1.87                                    | 010.69                                       | 316             | 250             | 249              | 58                        | 112                 | 105                  | 3                  |                     |       |
| 4-1            | 80        |              | 1.1                                       | 1.1                                     | 013.52                                       | 316             | 250             | 250              | 58                        | 111                 | 105                  | 5                  |                     |       |
| 2              | 85        |              | 1.1                                       | 1.1                                     | 016.47                                       | 316             | 250             | 250              | 59                        | 111                 | 105                  | 5                  |                     |       |
| 3              | 90        |              | 1.2                                       | 1.2                                     | 019.60                                       | 316             | 250             | 251              | 59                        | 112                 | 106                  | 5                  |                     |       |
| 4              | 95        |              | 1.0                                       | 1.0                                     | 022.36                                       | 316             | 250             | 250              | 58                        | 112                 | 105                  | 5                  |                     |       |
| 5              | 100       |              | 1.1                                       | 1.1                                     | 025.22                                       | 316             | 249             | 251              | 58                        | 112                 | 105                  | 5                  |                     |       |
| 5-1            | 105       |              | 1.3                                       | 1.3                                     | 028.29                                       | 316             | 260             | 251              | 57                        | 111                 | 104                  | 5                  |                     |       |
| 3              | 110       |              | 1.2                                       | 1.2                                     | 031.42                                       | 316             | 250             | 251              | 57                        | 111                 | 104                  | 5                  |                     |       |
| 3              | 115       |              | 1.5                                       | 1.5                                     | 034.75                                       | 316             | 251             | 250              | 56                        | 111                 | 104                  | 6                  |                     |       |
| 4              | 120       |              | 1.2                                       | 1.2                                     | 037.84                                       | 316             | 250             | 250              | 56                        | 111                 | 104                  | 5                  |                     |       |
| Total          | 5         | 125          | 1.0                                       | 1.0                                     | 040.67                                       | 316             | 250             | 250              | 56                        | 111                 | 104                  | 5                  |                     |       |
| Average        |           |              |   |   |  |                 |                 |                  |                           |                     |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train T; pe denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Impinger Weights Data Sheet

PROJECT NO. 3648

Page 1 of 1

|          |                             |      |   |
|----------|-----------------------------|------|---|
| Client   | Big Rivers - Henderson Unit |      |   |
| Plant    | Robards, KY                 |      |   |
| Location | Inlet                       |      |   |
| Date     | 8-4-11                      | TIME | 2 |
| Operator | AK                          |      |   |

|                  |          |                        |                |            |       |
|------------------|----------|------------------------|----------------|------------|-------|
| Run No.          | 1        |                        |                |            |       |
| Method No.       | 29       | Train ID               |                | Filter No. | NA    |
|                  | Contents | Tare with Contents (g) | Final (g)      | Total (g)  | Notes |
| Impinger No. 1   | Empty    | 519.9                  | 847.6          |            |       |
| Impinger No. 2   | 5% 10%   | 604.1                  | 623.6          |            |       |
| Impinger No. 3   | 5% 10%   | 711.6                  | 720.5          |            |       |
| Impinger No. 4   | Empty    | 614.1                  | 622.9          |            |       |
| Impinger No. 5   | Silica   | 900.0                  | 919.7          |            |       |
| Impinger No. 6   |          |                        |                |            |       |
| Impinger No. 7   |          |                        |                |            |       |
| Additional Rinse |          |                        |                |            |       |
|                  |          |                        | Net Weight (g) |            |       |

|                  |          |                        |                |            |       |
|------------------|----------|------------------------|----------------|------------|-------|
| Run No.          | 2        |                        |                |            |       |
| Method No.       | 29       | Train ID               |                | Filter No. | NA    |
|                  | Contents | Tare with Contents (g) | Final (g)      | Total (g)  | Notes |
| Impinger No. 1   | Empty    | 568.6                  | 699.0          |            |       |
| Impinger No. 2   | 5% 10%   | 698.6                  | 716.3          |            |       |
| Impinger No. 3   | 5% 10%   | 749.7                  | 755.6          |            |       |
| Impinger No. 4   | Empty    | 635.1                  | 742.2          |            |       |
| Impinger No. 5   | Silica   | 888.1                  | 900.0          |            |       |
| Impinger No. 6   |          |                        |                |            |       |
| Impinger No. 7   |          |                        |                |            |       |
| Additional Rinse |          |                        |                |            |       |
|                  |          |                        | Net Weight (g) |            |       |

|                  |          |                        |                |            |       |
|------------------|----------|------------------------|----------------|------------|-------|
| Run No.          | 3        |                        |                |            |       |
| Method No.       | 29       | Train ID               |                | Filter No. | NA    |
|                  | Contents | Tare with Contents (g) | Final (g)      | Total (g)  | Notes |
| Impinger No. 1   | Empty    | 521.2                  | 632.9          |            |       |
| Impinger No. 2   | 5% 10%   | 609.7                  | 632.5          |            |       |
| Impinger No. 3   | 5% 10%   | 711.0                  | 726.0          |            |       |
| Impinger No. 4   | Empty    | 618.5                  | 624.1          |            |       |
| Impinger No. 5   | Silica   | 919.5                  | 940.0          |            |       |
| Impinger No. 6   |          |                        |                |            |       |
| Impinger No. 7   |          |                        |                |            |       |
| Additional Rinse |          |                        |                |            |       |
|                  |          |                        | Net Weight (g) |            |       |

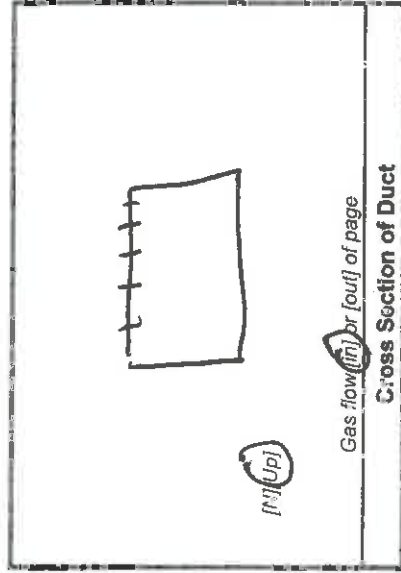
**AIRTECH ENVIRONMENTAL SERVICES INC.**  
V.O.S.T Meter Data Sheet

Run No. 1

METHOD 30B

Page 1 of 2

|                |              |
|----------------|--------------|
| Client         | Big Rivers   |
| Plant          | Henderson Ky |
| Location       | H-2 Inlet    |
| Date           | 8/04/11      |
| Project No.    | 3648         |
| Probe Operator | R.G./TG      |



|                             |      |
|-----------------------------|------|
| Barometric (in. Hg)         | 29.4 |
| Static (inH <sub>2</sub> O) | -6.0 |
| Ambient Temp. (°F)          | 90   |
| Start Time                  | 7:19 |
| Stop Time                   | 9:58 |

Trap # 95163

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Unspiked Train | Meter ID | M-26  | Yd | 9958     |
| Pre Leak Check | 000      | lpm @ | 21 | (in. Hg) |

Post Leak Check 000 15

| Mini/Point | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6        | N/A                                     | 2.197                         | 3.3LPM             | N/A                 | 80                   | 5                   |
| 7.2        |   | 3.661                         |                    |                     | 80                   | 5                   |
| 10.8       |   | 4.872                         |                    |                     | 81                   | 5                   |
| 14.4       |   | 6.022                         |                    |                     | 83                   | 5                   |
| 18         |   | 6.994                         |                    |                     | 84                   | 5                   |
| 21.6       |   | 7.815                         |                    |                     | 89                   | 5                   |
| 25.2       |   | 9.093                         |                    |                     | 89                   | 5                   |
| 28.8       |   | 10.196                        |                    |                     | 92                   | 5                   |
| 32.4       |   | 11.235                        |                    |                     | 93                   | 5                   |
| 36         |   | 12.478                        |                    |                     | 96                   | 5                   |
| 39.6       |   | 13.901                        |                    |                     | 97                   | 5                   |
| 43.2       |   | 15.612                        |                    |                     | 98                   | 5                   |
| Total      |   |                               |                    |                     | 1062                 |                     |
| Average    |   | 43.547                        |                    |                     | 92                   |                     |

Trap # 95075

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Spiked Train   | Meter ID | M-26  | Yd | 9902     |
| Pre Leak Check | 000      | lpm @ | 20 | (in. Hg) |

Post Leak Check 000 10

| Mini/Point | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6        | N/A                                     | 2.113                         | 3.3LPM             | N/A                 | 80                   | 3                   |
| 7.2        |   | 3.385                         |                    |                     | 81                   | 3                   |
| 10.8       |   | 4.494                         |                    |                     | 82                   | 3                   |
| 14.4       |   | 5.723                         |                    |                     | 84                   | 3                   |
| 18         |   | 6.821                         |                    |                     | 87                   | 3                   |
| 21.6       |   | 7.772                         |                    |                     | 91                   | 3                   |
| 25.2       |   | 9.171                         |                    |                     | 92                   | 3                   |
| 28.8       |   | 10.291                        |                    |                     | 93                   | 3                   |
| 32.4       |   | 11.397                        |                    |                     | 95                   | 3                   |
| 36         |   | 12.593                        |                    |                     | 97                   | 3                   |
| 39.6       |   | 13.993                        |                    |                     | 98                   | 3                   |
| 43.2       |   | 15.721                        |                    |                     | 99                   | 3                   |
| Total      |   |                               |                    |                     | 1079                 | 30                  |
| Average    |   | 43.297                        |                    |                     | 93.5                 |                     |



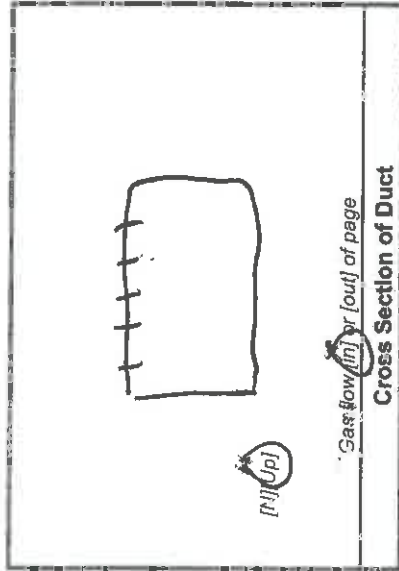
**AIRTECH ENVIRONMENTAL SERVICES INC.**  
V.O.S.T Meter Data Sheet

Run No. 1

METHOD 30 B

Page 2 of 2

|                |              |
|----------------|--------------|
| Client         | Big Rivers   |
| Plant          | Henderson Ky |
| Location       | H-2 Inlet    |
| Date           | 8/04/11      |
| Project No.    | 3648         |
| Probe Operator | Re-IG        |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -6.0  |
| Ambient Temp. (°F)          | 90    |
| Start Time                  | 7:19  |
| Stop Time                   | 9:58  |

Trap # 95163

|                |          |       |    |           |
|----------------|----------|-------|----|-----------|
| Unspiked Train | Meter ID | M-26  | Yd | 9958      |
| Pre Leak Check | 0.00     | lpm @ | 21 | (in. fig) |

Post 0.00 15

| Min/Point    | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6          |   |                               |                    |                     |                      |                     |
| Elapsed Time |   |                               |                    |                     |                      |                     |
| 46.8         | N/A                                     | 16.683                        | 3LPM               | N/A                 | 98                   | 5                   |
| 50.4         |   | 18.451                        |                    |                     | 99                   | 5                   |
| 54           |   | 20.215                        |                    |                     | 101                  | 5                   |
| 57.6         |   | 22.115                        |                    |                     | 102                  | 5                   |
| 61.2         |   | 24.723                        |                    |                     | 102                  | 6                   |
| 64.8         |   | 27.449                        |                    |                     | 103                  | 7                   |
| 68.4         |   | 29.650                        |                    |                     | 103                  | 8                   |
| 72           |   | 32.253                        |                    |                     | 104                  | 9                   |
| 75.6         |   | 34.674                        |                    |                     | 105                  | 9                   |
| 79.2         |   | 36.955                        |                    |                     | 106                  | 9                   |
| 82.8         |   | 40.831                        |                    |                     | 107                  | 9                   |
| 86.4         |   | 42.573                        |                    |                     | 108                  | 10                  |
| Average      |   | 43.547                        |                    |                     | 1238                 |                     |

Trap # 95075

|                |          |       |    |           |
|----------------|----------|-------|----|-----------|
| Spiked Train   | Meter ID | M-26  | Yd | 9902      |
| Pre Leak Check | 0.00     | lpm @ | 20 | (in. fig) |

Post 0.00 10

| Min/Point    | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6          |   |                               |                    |                     |                      |                     |
| Elapsed Time |   |                               |                    |                     |                      |                     |
| 46.8         | N/A                                     | 16.814                        | 3LPM               | N/A                 | 100                  | 3                   |
| 50.4         |   | 18.663                        |                    |                     | 101                  | 3                   |
| 54           |   | 20.523                        |                    |                     | 103                  | 3                   |
| 57.6         |   | 22.190                        |                    |                     | 103                  | 3                   |
| 61.2         |   | 24.352                        |                    |                     | 104                  | 3                   |
| 64.8         |   | 26.689                        |                    |                     | 104                  | 3                   |
| 68.4         |   | 29.036                        |                    |                     | 106                  | 3                   |
| 72           |   | 32.088                        |                    |                     | 106                  | 3                   |
| 75.6         |   | 35.171                        |                    |                     | 107                  | 3                   |
| 79.2         |   | 37.949                        |                    |                     | 106 (107)            | 3                   |
| 82.8         |   | 41.105                        |                    |                     | 108                  | 3                   |
| 86.4         |   | 42.001                        |                    |                     | 109                  | 3                   |
| Average      |   | 43.297                        |                    |                     | 1258                 |                     |

5 90

**AIRTECH ENVIRONMENTAL SERVICES INC.**

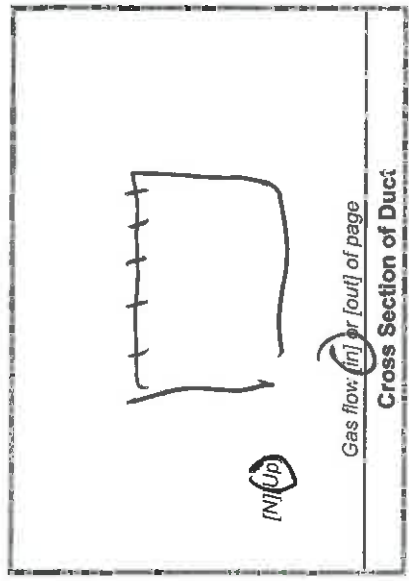
V.O.S.T Meter Data Sheet

Run No. 2

METHOD 30B

Page 1 of 2

|                |             |
|----------------|-------------|
| Client         | Bry Rivers  |
| Plant          | Wendover Ky |
| Location       | H2 Inlet    |
| Date           | 08/04/11    |
| Project No.    | R-3648      |
| Probe Operator | Rh/Tlb      |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 25.41 |
| Static (inH <sub>2</sub> O) | ~6.0  |
| Ambient Temp. (°F)          | 90    |
| Start Time                  | 10:09 |
| Stop Time                   | 11:54 |

~~95133~~ **95153** ~~SAIKED~~

~~95153~~ **95153** ~~UNSPIKED~~

Trap # 95153

Trap # 95133

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Unspiked Train | Meter ID | M-26  | Yd | 9958     |
| Pre Leak Check | 0002     | lpm @ | 20 | (in. Hg) |

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Spiked Train   | Meter ID | M-26  | Yd | 9902     |
| Pre Leak Check | 000      | lpm @ | 21 | (in. Hg) |

Post Check 1000

12

| Min/Point | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|-----------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6       | N/A                                     | 2.257                         | 3LPM               | N/A                 | 94                   | 4                   |
| 7.2       |   | 3.486                         |                    |                     | 94                   | 4                   |
| 10.8      |   | 4.412                         |                    |                     | 94                   | 4                   |
| 14.4      |   | 5.516                         |                    |                     | 94                   | 4                   |
| 18        |   | 6.695                         |                    |                     | 96                   | 4                   |
| 21.6      |   | 7.496                         |                    |                     | 98                   | 4                   |
| 25.2      |   | 9.029                         |                    |                     | 99                   | 5                   |
| 28.8      |   | 10.350                        |                    |                     | 101                  | 5                   |
| 32.4      |   | 12.467                        |                    |                     | 102                  | 5                   |
| 36        |   | 13.803                        |                    |                     | 104                  | 5                   |
| 39.6      |   | 15.741                        |                    |                     | 104                  | 6                   |
| 43.2      |   | 17.382                        |                    |                     | 105                  | 6                   |
| Total     |   |                               |                    |                     | 1185                 |                     |
| Average   |   |                               |                    |                     | 99.9                 |                     |

| Min/Point | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|-----------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6       | N/A                                     | 2.055                         | 3LPM               | N/A                 | 94                   | 3                   |
| 7.2       |   | 3.146                         |                    |                     | 94                   | 3                   |
| 10.8      |   | 4.443                         |                    |                     | 94                   | 3                   |
| 14.4      |   | 6.037                         |                    |                     | 95                   | 3                   |
| 18        |   | 7.456                         |                    |                     | 97                   | 3                   |
| 21.6      |   | 8.079                         |                    |                     | 100                  | 3                   |
| 25.2      |   | 9.015                         |                    |                     | 101                  | 3                   |
| 28.8      |   | 10.649                        |                    |                     | 103                  | 3                   |
| 32.4      |   | 12.731                        |                    |                     | 103                  | 3                   |
| 36        |   | 14.945                        |                    |                     | 105                  | 3                   |
| 39.6      |   | 16.173                        |                    |                     | 106                  | 3                   |
| 43.2      |   | 17.167                        |                    |                     | 108                  | 3                   |
| Total     |   |                               |                    |                     | 1200                 |                     |
| Average   |   |                               |                    |                     | 101.3                |                     |

42.276

42.045

101.3

AIRTECH ENVIRONMENTAL SERVICES INC.

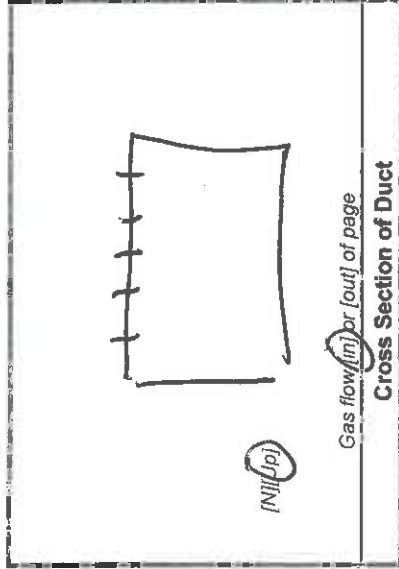
V.O.S.T Meter Data Sheet

Run No. 2

METHOD 36 B

Page 2 of 2

|                |              |
|----------------|--------------|
| Client         | B73 Rivers   |
| Plant          | Henderson K7 |
| Location       | H-2 Inlet    |
| Date           | 08/04/11     |
| Project No.    | 3648         |
| Probe Operator | RG-7G        |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -6.0  |
| Ambient Temp. (°F)          | 90    |
| Start Time                  | 10:29 |
| Stop Time                   | 11:54 |

95133 Spiked \*  
 Trap # 95153 RG ↓

95153 Unspiked \*  
 ↓

Unspiked Train

|                |      |       |    |
|----------------|------|-------|----|
| Meter ID       | M-26 | Yd    | 26 |
| Pre Leak Check | 000  | lpm @ | 26 |

Post-check 000

Spiked Train

|                |      |       |    |
|----------------|------|-------|----|
| Meter ID       | M-26 | Yd    | 26 |
| Pre Leak Check | 000  | lpm @ | 26 |

| Min/Point    | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6          | N/A                                     | 19.372                        | 3.2PM              | N/A                 | 107                  | 6                   |
| Elapsed Time |   |                               |                    |                     |                      |                     |
| 46.8         |   | 20.858                        |                    |                     | 108                  | 6                   |
| 54           |   | 22.709                        |                    |                     | 108                  | 6                   |
| 57.6         |   | 24.274                        |                    |                     | 108                  | 6                   |
| 61.2         |   | 26.315                        |                    |                     | 109                  | 6                   |
| 64.8         |   | 27.976                        |                    |                     | 109                  | 6                   |
| 68.4         |   | 29.763                        |                    |                     | 110                  | 6                   |
| 72           |   | 31.328                        |                    |                     | 111                  | 6                   |
| 75.6         |   | 32.932                        |                    |                     | 110                  | 6                   |
| 79.2         |   | 35.671                        |                    |                     | 111                  | 6                   |
| 82.8         |   | 36.901                        |                    |                     | 111                  | 7                   |
| 86.4         |   | 39.214                        |                    |                     | 111                  | 8                   |
| 90 Total     |   | 42.276                        |                    |                     | 1313                 | 9                   |
| Average      |   |                               |                    |                     |                      |                     |

| Min/Point    | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6          | N/A                                     | 18.978                        | 3.2PM              | N/A                 | 109                  | 3                   |
| Elapsed Time |   |                               |                    |                     |                      |                     |
| 46.8         |   | 20.167                        |                    |                     | 110                  | 3                   |
| 50.4         |   | 22.124                        |                    |                     | 110                  | 3                   |
| 54           |   | 23.927                        |                    |                     | 111                  | 3                   |
| 57.6         |   | 26.067                        |                    |                     | 111                  | 3                   |
| 61.2         |   | 27.735                        |                    |                     | 111                  | 3                   |
| 64.8         |   | 29.814                        |                    |                     | 112                  | 3                   |
| 68.4         |   | 31.648                        |                    |                     | 112                  | 3                   |
| 72           |   | 33.532                        |                    |                     | 111                  | 3                   |
| 75.6         |   | 36.212                        |                    |                     | 112                  | 3                   |
| 79.2         |   | 37.311                        |                    |                     | 112                  | 3                   |
| 82.8         |   | 39.403                        |                    |                     | 112                  | 3                   |
| 86.4         |   | 42.045                        |                    |                     | 112                  | 3                   |
| 90 Total     |   |                               |                    |                     | 1333                 | 3                   |
| Average      |   |                               |                    |                     |                      |                     |

90



**AIRTECH ENVIRONMENTAL SERVICES INC.**

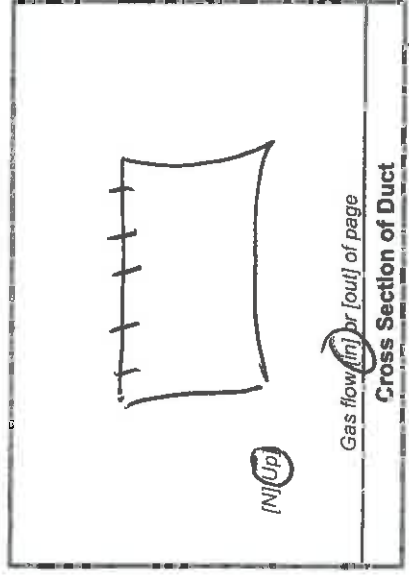
V.O.S.T Meter Data Sheet

Run No. 3

METHOD 30 B

Page 1 of 2

|                |              |
|----------------|--------------|
| Client         | Big Rivers   |
| Plant          | Henderson Ky |
| Location       | H-2 Inlet    |
| Date           | 08/04/11     |
| Project No.    | 3648         |
| Probe Operator | Ra/16        |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -6.0  |
| Ambient Temp. (°F)          | 90    |
| Start Time                  | 13:11 |
| Stop Time                   | 15:54 |

Trap # 95167

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Unspiked Train | Meter ID | M-26  | Yd | .9958    |
| Pre Leak Check | 000      | lpm @ | 21 | (in. Hg) |
| Post check     |          | 000   | 15 |          |

Trap # 95129

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Spiked Train   | Meter ID | M-26  | Yd | .9902    |
| Pre Leak Check | 000      | lpm @ | 21 | (in. Hg) |
| Post check     |          | 1000  | 12 |          |

| Mini/Point | Elapsed Time | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|------------|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 1          | 3.6          | N/A                                     | 1.658                         | 30rpm              | N/A                 | 94                   | 5                   |
| 2          | 7.2          |   | 3.327                         |                    |                     | 95                   | 5                   |
| 3          | 10.8         |   | 4.994                         |                    |                     | 95                   | 5                   |
| 4          | 14.4         |   | 6.651                         |                    |                     | 96                   | 5                   |
| 5          | 18           |   | 8.308                         |                    |                     | 97                   | 5                   |
| 1          | 21.6         |   | 9.965                         |                    |                     | 99                   | 5                   |
| 2          | 25.2         |   | 11.622                        |                    |                     | 101                  | 5                   |
| 3          | 28.8         |   | 13.279                        |                    |                     | 103                  | 5                   |
| 4          | 32.4         |   | 14.936                        |                    |                     | 104                  | 5                   |
| 5          | 36           |   | 16.593                        |                    |                     | 106                  | 5                   |
| 1          | 39.6         |   | 18.250                        |                    |                     | 107                  | 5                   |
| 2          | 43.2         |   | 19.907                        |                    |                     | 108                  | 5                   |
| Total      |              |   |                               |                    |                     | 1205                 |                     |
| Average    |              |   | 40.816                        |                    |                     | 107.7                |                     |

| Mini/Point | Elapsed Time | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|------------|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 1          | 3.6          | N/A                                     | 2.394                         | 30rpm              | N/A                 | 94                   | 3                   |
| 2          | 7.2          |   | 4.788                         |                    |                     | 95                   | 3                   |
| 3          | 10.8         |   | 7.182                         |                    |                     | 95                   | 3                   |
| 4          | 14.4         |   | 9.576                         |                    |                     | 96                   | 3                   |
| 5          | 18           |   | 11.970                        |                    |                     | 97                   | 3                   |
| 1          | 21.6         |   | 14.364                        |                    |                     | 101                  | 3                   |
| 2          | 25.2         |   | 16.758                        |                    |                     | 102                  | 3                   |
| 3          | 28.8         |   | 19.152                        |                    |                     | 105                  | 3                   |
| 4          | 32.4         |   | 21.546                        |                    |                     | 106                  | 3                   |
| 5          | 36           |   | 23.940                        |                    |                     | 108                  | 3                   |
| 1          | 39.6         |   | 26.334                        |                    |                     | 109                  | 3                   |
| 2          | 43.2         |   | 28.728                        |                    |                     | 111                  | 3                   |
| Total      |              |   |                               |                    |                     | 1219                 |                     |
| Average    |              |   | 41.009                        |                    |                     | 109.4                |                     |

AIRTECH ENVIRONMENTAL SERVICES INC.

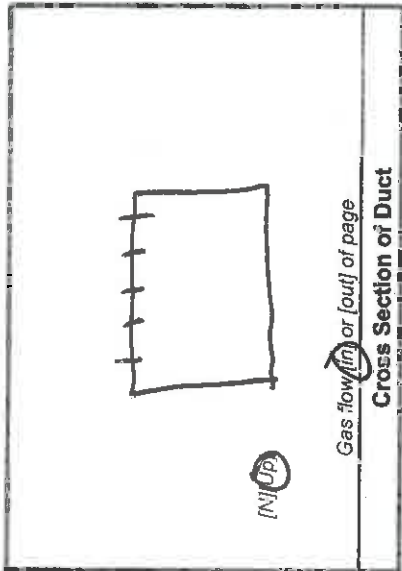
V.O.S.T Meter Data Sheet

Run No. 3

METHOD 300

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|                |              |
|----------------|--------------|
| Client         | Big Rivers   |
| Plant          | Henderson K7 |
| Location       | H-2 Inlet    |
| Date           | 08/04/11     |
| Project No.    | 3648         |
| Probe Operator | R6/IK        |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -6.0  |
| Ambient Temp. (°F)          | 90    |
| Start Time                  | 13:11 |
| Stop Time                   | 15:54 |

Trap #

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Unspiked Train | Meter ID | M-26  | Yd | 9958     |
| Pre Leak Check | 1000     | lpm @ | 21 | (in. Hg) |

Post check: 000

| Min/Point | Elapsed Time | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|-----------|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6       | 46.8         | N/A                                     | 19.321                        | 30PM               | N/A                 | 109                  | 5                   |
|           | 50.4         |   | 20.801                        |                    |                     | 111                  | 5                   |
|           | 54           |   | 22.161                        |                    |                     | 111                  | 5                   |
|           | 57.6         |   | 23.966                        |                    |                     | 113                  | 5                   |
|           | 61.2         |   | 25.007                        |                    |                     | 114                  | 5                   |
|           | 64.8         |   | 26.430                        |                    |                     | 116                  | 5                   |
|           | 68.4         |   | 28.263                        |                    |                     | 115                  | 5                   |
|           | 72           |   | 32.000                        |                    |                     | 115                  | 5                   |
|           | 75.6         |   | 33.700                        |                    |                     | 115                  | 5                   |
|           | 79.2         |   | 35.434                        |                    |                     | 116                  | 5                   |
|           | 82.8         |   | 36.153                        |                    |                     | 117                  | 5                   |
|           | 86.4         |   | 37.190                        |                    |                     | 117                  | 5                   |
| 90 Total  |              |   | 40.816                        |                    |                     | 118.365              | 5                   |
| Average   |              |   |                               |                    |                     | 118.365              |                     |

1487

Trap #

|                |          |       |    |          |
|----------------|----------|-------|----|----------|
| Spiked Train   | Meter ID | M-26  | Yd | 9902     |
| Pre Leak Check | 1000     | lpm @ | 21 | (in. Hg) |

Post check: 000

| Min/Point | Elapsed Time | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Flow Meter Setting | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (in Hg) |
|-----------|--------------|---|-------------------------------|--------------------|---------------------|----------------------|---------------------|
| 3.6       | 46.8         | N/A                                     | 18.765                        | 30PM               | N/A                 | 110                  | 3                   |
|           | 50.4         |   | 20.300                        |                    |                     | 113                  | 3                   |
|           | 54           |   | 21.673                        |                    |                     | 113                  | 3                   |
|           | 57.6         |   | 22.057                        |                    |                     | 115                  | 3                   |
|           | 61.2         |   | 26.727                        |                    |                     | 116                  | 3                   |
|           | 64.8         |   | 28.726                        |                    |                     | 117                  | 3                   |
|           | 68.4         |   | 30.757                        |                    |                     | 117                  | 3                   |
|           | 72           |   | 32.178                        |                    |                     | 118                  | 3                   |
|           | 75.6         |   | 34.102                        |                    |                     | 118                  | 3                   |
|           | 79.2         |   | 35.982                        |                    |                     | 119                  | 3                   |
|           | 82.8         |   | 37.378                        |                    |                     | 119                  | 3                   |
|           | 86.4         |   | 41.009                        |                    |                     | 120                  | 3                   |
| 90 Total  |              |   |                               |                    |                     | 1395                 | 3                   |
| Average   |              |   |                               |                    |                     | 1395                 |                     |

1515

# AIRTECH ENVIRONMENTAL SERVICES INC.

## General Testing Data Sheet

TESTING TYPE: PM

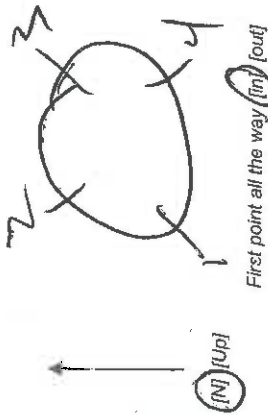
RUN NO. \_\_\_\_\_

METHOD NO. 50602

Page 1 of 1

|                 |                  |           |              |   |
|-----------------|------------------|-----------|--------------|---|
| Client          | <u>Pig River</u> |           | Project No.  | <u>3645</u>   |
| Plant           | <u>Boxley</u>    |           |              |   |
| Location        | <u>Stack 2</u>   |           |              |   |
| Date            | <u>5/4/11</u>    |           |              |   |
| Meter Operator  | <u>MC</u>        |           |              |   |
| Probe Operator  | <u>SD</u>        |           |              |   |
| Meter ID        | <u>M-17</u>      | <u>Yd</u> | <u>1.041</u> | <u>Pitot Cp</u> <u>0.69</u>                           |
| $\Delta H$      | <u>1.42</u>      | <u>KT</u> | <u>2.70</u>  | <u>Leak check</u> <input checked="" type="checkbox"/> |
| Pre Leak Check  | <u>1.00</u>      |           |              |   |
| Post Leak Check | <u>1.00</u>      |           |              |   |

|                             |                |                  |              |
|-----------------------------|----------------|------------------|--------------|
| Barometric (inHg)           | <u>29.41</u>   | Water (ml) (g)   |              |
| Ambient Temp (°F)           | <u>10</u>      | Silica gel (g)   |              |
| Static (inH <sub>2</sub> O) | <u>-1.4</u>    | Total Vic        |              |
| Probe ID                    | <u>AE5-C-2</u> | Liner Type       | <u>G1957</u> |
| Nozzle ID                   | <u>130</u>     | Nozzle Dia (in)  | <u>12.30</u> |
| Filter ID                   | <u>IB24</u>    | Train Type       | <u>IMP</u>   |
| Train ID                    | <u>192</u>     | Port Length (in) | <u>14.5</u>  |



|            |             |           |             |
|------------|-------------|-----------|-------------|
| Start Time | <u>7:19</u> | Stop Time | <u>9:03</u> |
|------------|-------------|-----------|-------------|

| Traverse Point | Min/Point Elapsed Time | Velocity Pressure $\Delta P$ (inH <sub>2</sub> O) | Orifice Setting $\Delta H$ (inH <sub>2</sub> O) | Gas Sample Volume Initial [F] [L] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|---|---|-----------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                        |   |   |                                   |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 4-1            | 7:15                   | 0.81  | 1.22  | 70.4                              | 129             | 350             | 320              | 56                        | 99                  | 99                   | 5                  | 68                  |       |
| 4-2            | 7:15                   | 0.84  | 1.22  | 71.72                             | 129             | 320             | 329              | 56                        | 102                 | 97                   | 5                  | 68                  |       |
| 3              | 7:15                   | 0.84  | 1.22  | 71.72                             | 129             | 320             | 320              | 59                        | 101                 | 99                   | 5                  | 68                  |       |
| 1-1            | 7:30                   | 0.65  | 1.4   | 87.53                             | 130             | 320             | 320              | 60                        | 106                 | 100                  | 4                  | 69                  |       |
| 2              | 7:35                   | 0.57  | 1.3   | 92.23                             | 130             | 320             | 320              | 60                        | 106                 | 101                  | 4                  | 69                  |       |
| 3              | 7:35                   | 0.57  | 1.3   | 92.23                             | 131             | 320             | 320              | 60                        | 109                 | 101                  | 4                  | 69                  |       |
| 2-1            | 5:25                   | 0.62  | 1.4   | 99.62                             | 130             | 320             | 320              | 61                        | 109                 | 102                  | 4                  | 69                  |       |
| 2              | 6:00                   | 0.57  | 1.3   | 105.03                            | 131             | 320             | 320              | 61                        | 110                 | 103                  | 4                  | 69                  |       |
| 3              | 6:15                   | 0.52  | 1.2   | 104.5                             | 130             | 320             | 320              | 62                        | 110                 | 103                  | 4                  | 69                  |       |
| 3-1            | 7:15                   | 0.64  | 1.4   | 113.32                            | 130             | 320             | 320              | 62                        | 111                 | 104                  | 4                  | 70                  |       |
| 2              | 8:15                   | 0.61  | 1.3   | 118.49                            | 131             | 320             | 320              | 62                        | 111                 | 104                  | 4                  | 70                  |       |
| 3              | 7:10                   | 0.72  | 1.4   | 126.42                            | 130             | 320             | 320              | 62                        | 112                 | 105                  | 4                  | 70                  |       |
| Total          |                        |   |   | 52.01                             | 155.6           |                 |                  |                           | 120%                | 120                  |                    |                     |       |
| Average        |                        |   |   | 14.08                             | 14.08           |                 |                  |                           | 164.5               |                      |                    |                     |       |

Cycle correct bracketed [ ] units  
in Type denotes impingers, knockouts, etc.



# AIRTECH ENVIRONMENTAL SERVICES INC.

## General Testing Data Sheet

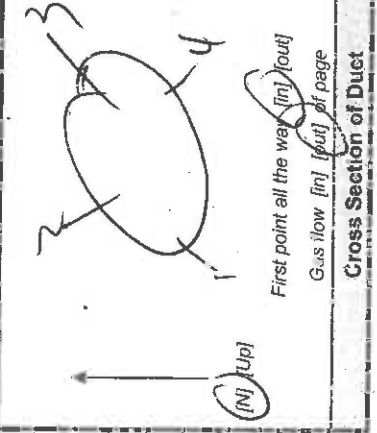
TESTING TYPE: PM

RUN NO. 2

METHOD NO. 5Bho2

Page 1 of 1

|                 |                   |   |
|-----------------|-------------------|---|
| Client          | <u>310 RIVERS</u> |   |
| Plant           | <u>COCAINE</u>    |   |
| Location        | <u>Stack 2</u>    |   |
| Date            | <u>8/4/11</u>     | Project No. <u>3648</u>                                       |
| Meter Operator  | <u>NK</u>         |   |
| Probe Operator  | <u>SD</u>         |   |
| Meter ID        | <u>M-7</u>        | Yd <u>10141</u> Pitot Cp <u>84</u>                            |
| ΔH@             | <u>1.72</u>       | KF <u>2.22</u> Leak check <input checked="" type="checkbox"/> |
| Pre Leak Check  | <u>0.00</u>       | [cfm] [lpm] @ <u>15</u> (inHg)                                |
| Post Leak Check | <u>0.00</u>       | [cfm] [lpm] @ <u>15</u> (inHg)                                |



|                             |               |                  |             |
|-----------------------------|---------------|------------------|-------------|
| Barometric (inHg)           | <u>29.91</u>  | Water (mil) [g]  |             |
| Ambient Temp (°F)           | <u>71.4</u>   | Silica gel (g)   |             |
| Static (inH <sub>2</sub> O) | <u>7.2</u>    | Total Vlc        |             |
| Probe ID                    | <u>AES-62</u> | Liner Type       | <u>6.55</u> |
| Nozzle ID                   | <u>730</u>    | Nozzle Dia (in)  | <u>0.30</u> |
| Filter ID                   | <u>12150</u>  | Train Type       | <u>JAP</u>  |
| Train ID                    | <u>IRB</u>    | Port Length (in) | <u>14.5</u> |
| Duct Dim. (in)              | <u>192</u>    |                  |             |

Start Time 10:08 Stop Time 11:57

| Traverse Point | Mini/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [ft <sup>3</sup> ] [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|-------------------------|---|---|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                         |   |   |  |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 4-1            | 7:15                    | .62                                       | 1.4                                     | 122.95   | 129             | 320             | 323              | 59                        | 110                 | 108                  | 5                  | 70                  |       |
| 2              | 15                      | .54                                       | 1.2                                     | 142.47   | 129             | 320             | 326              | 57                        | 112                 | 106                  | 5                  | 76                  |       |
| 3              | 22.5                    | .24                                       | .52                                     | 135.50   | 130             | 319             | 320              | 60                        | 114                 | 110                  | 5                  | 76                  |       |
| 1-1            | 30                      | .67                                       | 1.5                                     | 140.60   | 130             | 319             | 321              | 60                        | 119                 | 110                  | 5                  | 70                  |       |
| 2              | 37.5                    | .58                                       | 1.3                                     | 145.25   | 129             | 320             | 326              | 60                        | 119                 | 110                  | 5                  | 71                  |       |
| 3              | 45                      | .22                                       | .64                                     | 149.74   | 130             | 320             | 320              | 61                        | 119                 | 110                  | 5                  | 71                  |       |
| 2-1            | 52.5                    | .62                                       | 1.4                                     | 153.77   | 136             | 320             | 319              | 62                        | 119                 | 111                  | 6                  | 71                  |       |
| 2              | 60                      | .54                                       | 1.3                                     | 158.56   | 130             | 320             | 320              | 62                        | 119                 | 111                  | 5                  | 71                  |       |
| 3              | 67.5                    | .22                                       | .61                                     | 162.10   | 131             | 320             | 320              | 62                        | 119                 | 111                  | 5                  | 71                  |       |
| 3-1            | 75                      | .64                                       | 1.4                                     | 166.05   | 130             | 320             | 320              | 62                        | 119                 | 111                  | 5                  | 71                  |       |
| 2              | 82.5                    | .62                                       | 1.4                                     | 171.94   | 129             | 320             | 320              | 67                        | 120                 | 111                  | 5                  | 72                  |       |
| 3              | 90                      | .47                                       | .93                                     | 175.64   | 130             | 320             | 320              | 64                        | 120                 | 112                  | 5                  | 72                  |       |
| Total          |                         | 5.46                                      | 13.71                                   | 52.09  | 135.4           |                 |                  | 64                        | 120                 | 112                  |                    | 72                  |       |
| Average        |                         | 2.08                                      | 1.43                                    |  | 129.53          |                 |                  |                           | 119                 | 132.4                |                    | 72                  |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

TESTING TYPE: RM

METHOD NO. BBK02

RUN NO. 3

Client 77A Rivers

Plant Rockwell City

Location Stack #2

Date 8/4/11

Project No. 2648

Meter Operator ML

Probe Operator SD

Meter ID M-17

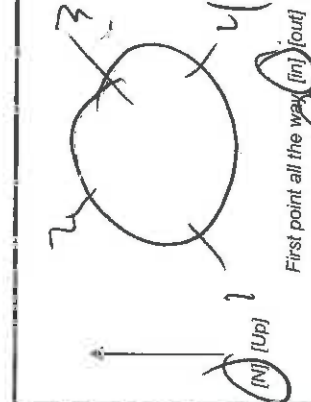
Yd 1.014

Prot Cp .84

Leak check U

Pre Leak Check 200 [cfm] [ppm] @ 15 (inHg)

Post Leak Check 1000 [cfm] [ppm] @ 13 (inHg)



|                             |        |
|-----------------------------|--------|
| Barometric (inHg)           | 29.41  |
| Ambient Temp (°F)           | 114    |
| Static (inH <sub>2</sub> O) | -14    |
| Probe ID                    | AE5-62 |
| Nozzle ID                   | .230   |
| Filter ID                   | 1251   |
| Train ID                    | FB4    |
| Duct Dim. (in)              | 4.2    |
| Water (ml) [g]              |        |
| Silica gel (g)              |        |
| Total Vic                   |        |
| Liner Type                  | Class  |
| Nozzle Dia (in)             | .230   |
| Train Type                  | ERM    |
| Port Length (in)            | 14.5   |

|            |       |
|------------|-------|
| Start Time | 13:11 |
| Stop Time  | 15:06 |

| Cross Section of Duct | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Impinger Outlet Temp (°F) | Filter Temp (°F) | Probe Temp (°F) | Stack Temp (°F) | Gas Sample Volume Initial [ft³] | Orifice Setting ΔH (inH <sub>2</sub> O) | Velocity Pressure ΔP (inH <sub>2</sub> O) | Elapsed Time | Min/Point | Gas Sample |           | Notes |
|-----------------------|---------------------|----------------------|---------------------------|------------------|-----------------|-----------------|---------------------------------|---|---|--------------|-----------|------------|-----------|-------|
|                       |                     |                      |                           |                  |                 |                 |                                 |   |   |              |           | Temp (°F)  | Temp (°F) |       |
|                       | 113                 | 109                  | 57                        | 320              | 320             | 129             | 11.70                           | 1.1                                     | 1.63                                      | 7.5          | 7.5       | 11.70      | 11.70     |       |
|                       | 115                 | 109                  | 57                        | 320              | 320             | 130             | 82.53                           | 1.2                                     | 1.59                                      | 15           | 15        | 148.98     | 148.98    |       |
|                       | 117                 | 110                  | 58                        | 320              | 326             | 130             | 140.70                          | 1.3                                     | 1.63                                      | 22.5         | 22.5      | 202.73     | 202.73    |       |
|                       | 115                 | 110                  | 58                        | 321              | 320             | 131             | 141.69                          | 1.3                                     | 1.67                                      | 30           | 30        | 191.36     | 191.36    |       |
|                       | 115                 | 110                  | 57                        | 321              | 321             | 130             | 202.73                          | 1.4                                     | 1.61                                      | 45           | 45        | 202.73     | 202.73    |       |
|                       | 116                 | 110                  | 57                        | 320              | 320             | 129             | 202.73                          | 1.3                                     | 1.59                                      | 52.5         | 52.5      | 211.42     | 211.42    |       |
|                       | 116                 | 111                  | 60                        | 320              | 320             | 130             | 214.90                          | 1.4                                     | 1.57                                      | 60           | 60        | 214.90     | 214.90    |       |
|                       | 116                 | 111                  | 61                        | 321              | 321             | 130             | 219.12                          | 1.4                                     | 1.63                                      | 67.5         | 67.5      | 229.59     | 229.59    |       |
|                       | 115                 | 111                  | 61                        | 321              | 320             | 131             | 229.59                          | 1.4                                     | 1.67                                      | 75           | 75        | 229.59     | 229.59    |       |
|                       | 115                 | 111                  | 62                        | 321              | 320             | 130             | 229.59                          | 1.4                                     | 1.61                                      | 90           | 90        | 229.59     | 229.59    |       |
| Total                 | 1404                | 1324                 | 62                        | 321              | 320             | 1260            | 50.43                           | 13.35                                   | 8.414                                     |              |           |            |           |       |
| Average               | 113.792             | 109.2                | 62                        | 321              | 320             | 130.00          | 70.60                           | 1.46                                    | 7.060                                     |              |           |            |           |       |

Circle correct bracketed ( ) units  
Train Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Impinger Weights Data Sheet

PROJECT NO. 3648

Page 1 of 1

|           |                           |       |   |
|-----------|---------------------------|-------|---|
| Client:   | Big River - Anderson Unit |       |   |
| Plant:    | Robards, KY               |       |   |
| Location: | Stack                     |       |   |
| Date:     | 8-4-11                    | Time: | 2 |
| Operator: | AL                        |       |   |

| Run No.          | Method No. | Filter No.  | Filter No. | Filter No.     | Filter No. |
|------------------|------------|-------------|------------|----------------|------------|
|                  |            | Initial (g) | Final (g)  | Total (g)      | Notes      |
| Run No.          | 1          |             |            |                |            |
| Method No.       | SB/202     |             |            |                | 12149      |
| Impinger No. 1   | Empty      | 525.2       | 632.6      |                |            |
| Impinger No. 2   | DI         | 726.7       | 629.4      |                |            |
| Impinger No. 3   | Empty      | 609.6       | 724.4      |                |            |
| Impinger No. 4   | Silica     | 890.0       | 924.7      |                |            |
| Impinger No. 5   |            |             |            |                |            |
| Impinger No. 6   |            |             |            |                |            |
| Impinger No. 7   |            |             |            |                |            |
| Additional Rinse |            |             |            |                |            |
|                  |            |             |            | Net Weight (g) |            |

| Run No.          | Method No. | Filter No.  | Filter No. | Filter No.     | Filter No. |
|------------------|------------|-------------|------------|----------------|------------|
|                  |            | Initial (g) | Final (g)  | Total (g)      | Notes      |
| Run No.          | 2          |             |            |                |            |
| Method No.       | SB/202     |             |            |                | 12150      |
| Impinger No. 1   | Empty      | 574.2       | 657.5      |                |            |
| Impinger No. 2   | DI         | 677.2       | 709.9      |                |            |
| Impinger No. 3   | Empty      | 628.3       | 655.7      |                |            |
| Impinger No. 4   | Silica     | 910.5       | 932.2      |                |            |
| Impinger No. 5   |            |             |            |                |            |
| Impinger No. 6   |            |             |            |                |            |
| Impinger No. 7   |            |             |            |                |            |
| Additional Rinse |            |             |            |                |            |
|                  |            |             |            | Net Weight (g) |            |

| Run No.          | Method No. | Filter No.  | Filter No. | Filter No.     | Filter No. |
|------------------|------------|-------------|------------|----------------|------------|
|                  |            | Initial (g) | Final (g)  | Total (g)      | Notes      |
| Run No.          | 3          |             |            |                |            |
| Method No.       | SB/202     |             |            |                | 12151      |
| Impinger No. 1   | Empty      | 610.0       | 694.1      |                |            |
| Impinger No. 2   | DI         | 708.4       | 750.0      |                |            |
| Impinger No. 3   | Empty      | 525.1       | 548.9      |                |            |
| Impinger No. 4   | Silica     | 924.7       | 935.7      |                |            |
| Impinger No. 5   |            |             |            |                |            |
| Impinger No. 6   |            |             |            |                |            |
| Impinger No. 7   |            |             |            |                |            |
| Additional Rinse |            |             |            |                |            |
|                  |            |             |            | Net Weight (g) |            |



# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

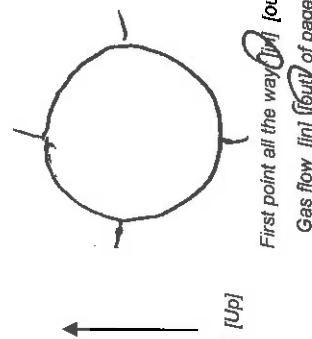
RUN NO. 1

TESTING TYPE: HCL

METHOD NO. 260A

Page 1 of 1

|                 |            |                   |                             |           |                  |        |
|-----------------|------------|-------------------|-----------------------------|-----------|------------------|--------|
| Client          | Big Rivers |                   | Barometric (inHg)           | 29.41     | Water [ml] [g]   |        |
| Plant           | Kenderson  |                   | Ambient Temp (°F)           | 104       | Silica gel (g)   |        |
| Location        | Stack #2   |                   | Static (inH <sub>2</sub> O) | -0.4      | Total Vlc        |        |
| Date            | 8/4/11     | Project No. 31048 | Probe ID                    | AE 5-10-4 | Liner Type       | 9/2.55 |
| Meter Operator  | JL         |                   | Nozzle ID                   | 0.27      | Nozzle Dia (in)  | 0.27   |
| Probe Operator  | JL         |                   | Filter ID                   | N/A       | Train Type       | imp    |
| Meter ID        | M-15       | Yd 1.0159         | Train ID                    | 13-9      | Port Length (in) | 14.5   |
| ΔH@             | 1.843      | Kf 4.32           | Duct Dim. (in)              | 192       |                  |        |
| Pre Leak Check  | 0.00       | [cfm] [lpm] @     |                             |           |                  |        |
| Post Leak Check |            | [cfm] [lpm] @     |                             |           |                  |        |



Cross Section of Duct

Start Time 7:19 Stop Time 9:23

| Traverse Point | Min/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [ft <sup>3</sup> ] [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|---|---|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                        |   |   |  |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 1              | 10                     | 0.60                                      | 2.0                                     | 867.54   | 129             | 257             | 250              | 50                        | 100                 | 98                   | 10                 | N/A                 |       |
| 2              | 20                     | 0.56                                      | 2.1                                     | 884.74   | 130             | 254             | 250              | 50                        | 105                 | 98                   | 10                 |                     |       |
| 3              | 30                     | 0.31                                      | 1.3                                     | 890.89   | 130             | 257             | 252              | 51                        | 110                 | 100                  | 6                  |                     |       |
| 1              | 40                     | 0.59                                      | 2.5                                     | 898.90   | 130             | 252             | 259              | 52                        | 112                 | 102                  | 10                 |                     |       |
| 2              | 50                     | 0.52                                      | 2.2                                     | 906.99   | 130             | 255             | 250              | 52                        | 112                 | 103                  | 10                 |                     |       |
| 3              | 60                     | 0.28                                      | 1.2                                     | 914.22   | 130             | 255             | 255              | 54                        | 115                 | 104                  | 6                  |                     |       |
| 1              | 70                     | 0.57                                      | 2.5                                     | 921.77   | 130             | 255             | 262              | 55                        | 119                 | 101                  | 10                 |                     |       |
| 2              | 80                     | 0.51                                      | 2.2                                     | 929.23   | 130             | 255             | 266              | 55                        | 120                 | 107                  | 10                 |                     |       |
| 3              | 90                     | 0.28                                      | 1.2                                     | 935.49   | 130             | 256             | 256              | 55                        | 118                 | 108                  | 7                  |                     |       |
| 1              | 100                    | 0.50                                      | 2.2                                     | 943.82   | 130             | 255             | 258              | 54                        | 116                 | 108                  | 10                 |                     |       |
| 2              | 110                    | 0.46                                      | 1.9                                     | 952.63   | 130             | 256             | 257              | 54                        | 116                 | 108                  | 10                 |                     |       |
| 3              | 120                    | 0.27                                      | 1.2                                     | 958.60   | 130             | 252             | 253              | 57                        | 116                 | 109                  | 7                  |                     |       |
| Total          |                        | 8.0213                                    | 2.04                                    | 90.99  | 1559            |                 |                  |                           | 1359                | 1251                 |                    |                     |       |
| Average        |                        | 0.1008                                    | 1.45                                    | (120.917)  |                 |                 |                  |                           | (108.75)            |                      |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes Impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

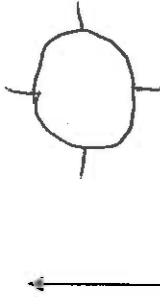
RUN NO. 2

TESTING TYPE: c-HCL

METHOD NO. 204

Page 1 of 1

|                 |            |                         |
|-----------------|------------|-------------------------|
| Client          | Big Rivers |                         |
| Plant           | Henderson  |                         |
| Location        | Stack #2   |                         |
| Date            | 8/4/11     | Project No. 30498       |
| Meter Operator  | JK         |                         |
| Probe Operator  | JK         |                         |
| Meter ID        | M-15       | Yd 10159                |
| ΔH@             | 1.843      | KC 4.32                 |
| Pitot Cp        | .84        |                         |
| Leak check      | ✓          |                         |
| Pte Leak Check  | 0.00       | (ppm) [ppm] @ 10 (inHg) |
| Post Leak Check | 0.00       | (cfm) [ppm] @ 14 (inHg) |



|                             |          |                  |       |
|-----------------------------|----------|------------------|-------|
| Barometric (inHg)           | 29.41    | Water (ml) [g]   |       |
| Ambient Temp (°F)           | 100      | Silica gel (g)   |       |
| Static (inH <sub>2</sub> O) | -0.4     | Total Vic        |       |
| Probe ID                    | AES-10-4 | Linek. Type      | 0.125 |
| Nozzle ID                   | 0.27     | Nozzle Dia (in)  | 0.27  |
| Filter ID                   | N/A      | Train Type       | imp   |
| Train ID                    |          | Port Length (in) | 14.5  |
| Duct Dim. (in)              | 1.92     |                  |       |

|            |       |           |       |
|------------|-------|-----------|-------|
| Start Time | 10:08 | Stop Time | 12:31 |
|------------|-------|-----------|-------|

| Traverse Point | Min/Point | Elapsed Time | Velocity Pressure       |                         | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [F] [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes   |
|----------------|-----------|--------------|-------------------------|-------------------------|---|-----------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|---------|
|                |           |              | ΔP (inH <sub>2</sub> O) | ΔH (inH <sub>2</sub> O) |   |                                   |                 |                 |                  |                           |                     |                      |                    |                     |         |
| 1              | 10        |              | 0.40                    | 2.00                    | 2.00                                    | 959.03                            | 130             | 252             | 252              | 50                        | 104                 | 104                  | 11                 | N/A                 |         |
| 2              | 20        |              | 0.52                    | 2.2                     | 2.2                                     | 975.88                            | 130             | 255             | 253              | 50                        | 104                 | 103                  | 11                 |                     |         |
| 3              | 30        |              | 0.27                    | 1.0                     | 1.0                                     | 981.73                            | 129             | 250             | 255              | 51                        | 107                 | 103                  | 8                  |                     |         |
| 1              | 40        |              | 0.41                    | 2.0                     | 2.0                                     | 999.55                            | 129             | 255             | 250              | 51                        | 110                 | 103                  | 11                 |                     | 990.042 |
| 2              | 50        |              | 0.54                    | 2.3                     | 2.3                                     | 999.55                            | 129             | 254             | 255              | 52                        | 110                 | 104                  | 11                 |                     |         |
| 3              | 100       |              | 0.28                    | 1.0                     | 1.0                                     | 5.97                              | 129             | 252             | 253              | 52                        | 112                 | 104                  | 8                  |                     |         |
| 1              | 70        |              | 0.41                    | 2.0                     | 2.0                                     | 14.83                             | 129             | 251             | 251              | 53                        | 114                 | 105                  | 11                 |                     |         |
| 2              | 80        |              | 0.53                    | 2.3                     | 2.3                                     | 23.57                             | 129             | 250             | 251              | 53                        | 110                 | 105                  | 11                 |                     |         |
| 3              | 90        |              | 0.29                    | 1.3                     | 1.3                                     | 29.83                             | 129             | 251             | 252              | 54                        | 110                 | 100                  | 8                  |                     |         |
| 1              | 100       |              | 0.42                    | 2.0                     | 2.0                                     | 39.42                             | 129             | 256             | 254              | 54                        | 110                 | 100                  | 11                 |                     |         |
| 2              | 110       |              | 0.53                    | 2.3                     | 2.3                                     | 48.05                             | 129             | 257             | 258              | 55                        | 117                 | 100                  | 10                 |                     |         |
| 3              | 120       |              | 0.28                    | 1.0                     | 1.0                                     | 54.22                             | 130             | 253             | 254              | 55                        | 117                 | 100                  | 7                  |                     |         |
| Total          |           |              | 8.525                   | 24.5                    | 24.5                                    | 95.19                             | 155             |                 |                  |                           | 134H                | 1255                 |                    |                     |         |
| Average        |           |              | 0.40                    | 2.04                    | 2.04                                    | 179.75                            |                 |                 |                  |                           | 108.24              | 107                  |                    |                     |         |

Circle correct brace; etc. [ ] units  
in/in Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

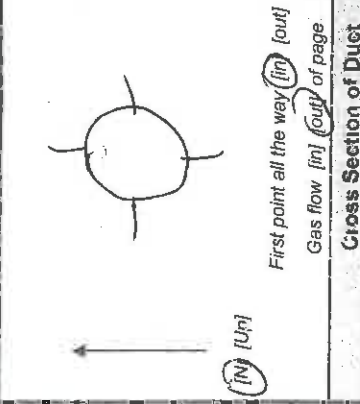
TESTING TYPE: HCL

RUN NO. 3

METHOD NO. 204

Page 1 of 1

|                 |            |               |           |
|-----------------|------------|---------------|-----------|
| Client          | Big Rivers |               |           |
| Plant           | Henderson  |               |           |
| Location        | Stack #2   |               |           |
| Date            | 8/4/11     | Project No.   | 3048      |
| Meter Operator  | JC         |               |           |
| Probe Operator  | JC         |               |           |
| Meter ID        | M-15       | Yd            | 1.0159    |
| ΔH@             | 1.843      | KI            | 4.4       |
| Pre Leak Check  | 0.00       | (cfm) (ppm) @ | 15 (inHg) |
| Post Leak Check | 0.00       | (cfm) (ppm) @ | 12 (inHg) |



|                             |         |                  |       |
|-----------------------------|---------|------------------|-------|
| Barometric (inHg)           | 29.91   | Water (mil) [g]  |       |
| Ambient Temp (°F)           | 108     | Silica gel (g)   |       |
| Static (inH <sub>2</sub> O) | -0.4    | Total Vic        |       |
| Probe ID                    | AE5-0-4 | Liner Type       | Glass |
| Nozzle ID                   | 0.27    | Nozzle Dia (in)  | 0.27  |
| Filter ID                   | N/A     | Train Type       | imp   |
| Train ID                    | 18-9    | Port Length (in) | 14.5  |

|            |       |           |       |
|------------|-------|-----------|-------|
| Start Time | 13:11 | Stop Time | 15:30 |
|------------|-------|-----------|-------|

| Traverse Point | Min/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Criffica Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [ft <sup>3</sup> ] [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|---|--|--|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                        |   |  |  |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 1              | 10                     | 0.60                                      | 2.7                                      | 43.99  | 130             | 252             | 253              | 50                        | 105                 | 105                  | 10                 | N/A                 |       |
| 2              | 20                     | 0.54                                      | 2.4                                      | 72.72  | 129             | 253             | 256              | 50                        | 110                 | 105                  | 9                  |                     |       |
| 3              | 30                     | 0.29                                      | 1.2                                      | 78.92  | 130             | 256             | 259              | 51                        | 114                 | 105                  | 0                  |                     |       |
| 1              | 40                     | 0.60                                      | 2.0                                      | 87.98  | 130             | 257             | 255              | 51                        | 115                 | 100                  | 10                 |                     |       |
| 2              | 50                     | 0.55                                      | 2.4                                      | 110.51   | 129             | 252             | 251              | 52                        | 110                 | 107                  | 9                  |                     |       |
| 3              | 100                    | 0.20                                      | 1.0                                      | 101.21   | 129             | 252             | 252              | 53                        | 117                 | 107                  | 6                  |                     |       |
| 1              | 70                     | 0.60                                      | 2.0                                      | 111.80   | 129             | 255             | 256              | 54                        | 117                 | 107                  | 10                 |                     |       |
| 2              | 80                     | 0.52                                      | 2.3                                      | 121.00   | 129             | 258             | 257              | 54                        | 117                 | 108                  | 9                  |                     |       |
| 3              | 00                     | 0.26                                      | 1.0                                      | 127.04   | 129             | 251             | 257              | 54                        | 117                 | 108                  | 10                 |                     |       |
| 1              | 100                    | 0.60                                      | 2.0                                      | 135.85   | 129             | 253             | 259              | 55                        | 117                 | 107                  | 10                 |                     |       |
| 2              | 110                    | 0.53                                      | 2.0                                      | 145.11   | 130             | 253             | 251              | 50                        | 117                 | 107                  | 8                  |                     |       |
| 3              | 120                    | 0.22                                      | 0.7                                      | 151.43   | 129             | 255             | 254              | 57                        | 117                 | 107                  | 7                  |                     |       |
| Total          |                        | 0.0354                                    | 1.437                                    | 910.67   | 1552            |                 |                  |                           | 1379                | 1279                 |                    |                     |       |
| Average        |                        | 0.1091                                    | 1.0308                                   | (129.33)   | (110.75)        |                 |                  |                           |                     |                      |                    |                     |       |

Circle correct bracketed [ ] units  
 ( ) in Type denotes impingers, knockouts, etc.



AIRTECH ENVIRONMENTAL SERVICES INC.  
Impinger Weights Data Sheet

PROJECT NO. 3648

|          |                             |      |   |
|----------|-----------------------------|------|---|
| Client   | Big Rivers - Henderson Unit |      |   |
| Plant    | Roberts, KY                 |      |   |
| Location | Stack                       |      |   |
| Date     | 8-4-11                      | TIME | 2 |
| Operator | AL                          |      |   |

| Run No.          | 1                              | Train ID     | Filter No. | NA             |       |
|------------------|--------------------------------|--------------|------------|----------------|-------|
| Method No.       | 26A                            | Train ID     | Filter No. | NA             |       |
|                  | Contents                       | Start Wt (g) | Final (g)  | Total (g)      | Notes |
| Impinger No. 1   | H <sub>2</sub> SO <sub>4</sub> | 616.5        | 840.3      |                |       |
| Impinger No. 2   | H <sub>2</sub> SO <sub>4</sub> | 618.5        | 652.0      |                |       |
| Impinger No. 3   | Empty                          | 530.5        | 539.5      |                |       |
| Impinger No. 4   | Silica                         | 912.2        | 922.0      |                |       |
| Impinger No. 5   |                                |              |            |                |       |
| Impinger No. 6   |                                |              |            |                |       |
| Impinger No. 7   |                                |              |            |                |       |
| Additional Rinse |                                |              |            |                |       |
|                  |                                |              |            | Net Weight (g) |       |

| Run No.          | 2                              | Train ID     | Filter No. | NA             |       |
|------------------|--------------------------------|--------------|------------|----------------|-------|
| Method No.       | 26A                            | Train ID     | Filter No. | NA             |       |
|                  | Contents                       | Start Wt (g) | Final (g)  | Total (g)      | Notes |
| Impinger No. 1   | H <sub>2</sub> SO <sub>4</sub> | 717.3        | 874.2      |                |       |
| Impinger No. 2   | H <sub>2</sub> SO <sub>4</sub> | 683.1        | 702.0      |                |       |
| Impinger No. 3   | Empty                          | 539.3        | 596.8      |                |       |
| Impinger No. 4   | Silica                         | 846.0        | 855.0      |                |       |
| Impinger No. 5   |                                |              |            |                |       |
| Impinger No. 6   |                                |              |            |                |       |
| Impinger No. 7   |                                |              |            |                |       |
| Additional Rinse |                                |              |            |                |       |
|                  |                                |              |            | Net Weight (g) |       |

| Run No.          | 3                              | Train ID     | Filter No. | NA             |       |
|------------------|--------------------------------|--------------|------------|----------------|-------|
| Method No.       | 26A                            | Train ID     | Filter No. | NA             |       |
|                  | Contents                       | Start Wt (g) | Final (g)  | Total (g)      | Notes |
| Impinger No. 1   | H <sub>2</sub> SO <sub>4</sub> | 619.3        | 807.5      |                |       |
| Impinger No. 2   | H <sub>2</sub> SO <sub>4</sub> | 619.7        | 651.3      |                |       |
| Impinger No. 3   | Empty                          | 529.1        | 539.2      |                |       |
| Impinger No. 4   | Silica                         | 927.2        | 942.2      |                |       |
| Impinger No. 5   |                                |              |            |                |       |
| Impinger No. 6   |                                |              |            |                |       |
| Impinger No. 7   |                                |              |            |                |       |
| Additional Rinse |                                |              |            |                |       |
|                  |                                |              |            | Net Weight (g) |       |

# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

TESTING TYPE: \_\_\_\_\_

RUN NO. 1 METHOD NO. 29 Page 1 of 1

|                 |             |             |             |            |                 |                  |        |
|-----------------|-------------|-------------|-------------|------------|-----------------|------------------|--------|
| Client          | BIG RIVERS  |             |             |            | Water (ml) [g]  | 29.41            |        |
| Plant           | LORENDS, KY |             |             |            | Silica gel (g)  | 99.0F            |        |
| Location        | STACILTZ 2  |             |             |            | Total Vic       | -0.4             |        |
| Date            | 08/24/11    |             | Project No. | 2648       | Liner Type      | GLASS            |        |
| Meter Operator  | SD          |             |             |            | Nozzle Dia (in) | .230             |        |
| Probe Operator  | BK          |             |             |            | Filter ID       | IB               |        |
| Meter ID        | M-16        | Yd          | 9907        | Pilot Cp   | 0.81            | Train Type       | IMP    |
| ΔH@             | 1.043       | Kf          | 2.30        | Leak check |                 | Port Length (in) | 192.0" |
| Pre Leak Check  | 0.000       | (cfm) [lpm] | @ 7.0       | (inHg)     |                 |                  |        |
| Post Leak Check | 0.000       | (cfm) [lpm] | @ 12        | (inHg)     |                 |                  |        |

First point all the way (in) [out] (up) (down) of page

|                             |        |
|-----------------------------|--------|
| Barometric (inHg)           | 29.41  |
| Ambient Temp (°F)           | 99.0F  |
| Static (inH <sub>2</sub> O) | -0.4   |
| Probe ID                    | AKS-6- |
| Nozzle ID                   | .230   |
| Filter ID                   | IB     |
| Train ID                    | IB     |
| Duct Dim. (in)              | 192.0" |
| Start Time                  | 07:19  |
| Stop Time                   | 9:23   |

| Traverse Point | Min/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial/Final [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes |
|----------------|------------------------|---|---|-------------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-------|
|                |                        |   |   |                                     |                 |                 |                  |                           |                     |                      |                    |                     |       |
| 4-1            | 10                     | .64                                       | 1.5                                     | 398.83                              | 179             | 249             | 250              | 42                        | 97                  | 97                   | 10                 | N/A                 |       |
| 2              | 20                     | .60                                       | 1.4                                     | 405.56                              | 130             | 249             | 251              | 43                        | 100                 | 97                   | 9                  |                     |       |
| 3              | 30                     | .42                                       | 0.7                                     | 411.07                              | 129             | 250             | 252              | 44                        | 104                 | 98                   | 6                  |                     |       |
| 3-1            | 40                     | .65                                       | 1.5                                     | 418.01                              | 129             | 250             | 252              | 44                        | 106                 | 98                   | 11                 |                     |       |
| 2              | 50                     | .57                                       | 1.3                                     | 424.39                              | 129             | 250             | 251              | 45                        | 109                 | 102                  | 10                 |                     |       |
| 3              | 60                     | .30                                       | .69                                     | 429.05                              | 120             | 251             | 252              | 46                        | 110                 | 101                  | 5                  |                     |       |
| 2-1            | 70                     | .61                                       | 1.4                                     | 435.70                              | 129             | 251             | 252              | 47                        | 112                 | 102                  | 11                 |                     |       |
| 2              | 80                     | .55                                       | 1.3                                     | 442.10                              | 129             | 250             | 251              | 48                        | 110                 | 103                  | 10                 |                     |       |
| 3              | 90                     | .32                                       | .74                                     | 446.93                              | 129             | 250             | 250              | 49                        | 109                 | 103                  | 7                  |                     |       |
| 1-1            | 100                    | .59                                       | 1.4                                     | 453.50                              | 130             | 249             | 251              | 50                        | 108                 | 103                  | 11                 |                     |       |
| 2              | 110                    | .54                                       | 1.2                                     | 459.57                              | 130             | 250             | 250              | 50                        | 109                 | 103                  | 10                 |                     |       |
| 3              | 170                    | .25                                       | .58                                     | 463.85                              | 129             | 250             | 251              | 52                        | 110                 | 103                  | 6                  |                     |       |
| Total          | 170.0                  | 8.423                                     | 13.98                                   | 71.71                               | 1550.00         |                 |                  |                           | 1284.00             | 1208.00              |                    |                     |       |
| Average        | 10.0                   | 1.7019                                    | 1.165                                   |                                     | 129.167         |                 |                  |                           |                     | 103.833              |                    |                     |       |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**

General Testing Data Sheet

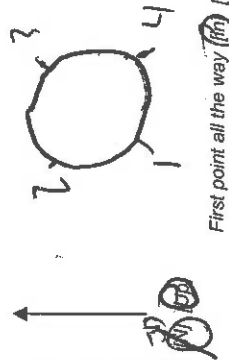
TESTING TYPE: \_\_\_\_\_

RUN NO. 2

METHOD NO. 29

Page 1 of 1

|                 |              |                        |                 |        |
|-----------------|--------------|------------------------|-----------------|--------|
| Client          | BIG RIVERS   |                        | Water (ml) [g]  | 29.41  |
| Plant           | ROADARDS, KY |                        | Silica gel (g)  |        |
| Location        | STACK #2     |                        | Total Vic       |        |
| Date            | 08/04/11     | Project No. 3648       | Liner Type      | GLASS  |
| Meter Operator  | JD           |                        | Nozzle Dia (in) | .730   |
| Probe Operator  | BK           |                        | Filter ID       | N/A    |
| Meter ID        | M-16         | Yd .9907               | Train ID        | TB-74  |
| ΔH@             | 1.845        | Kf 2.30                | Duct Dim. (in)  | 192.0" |
| Pre Leak Check  | 0.000        | (cm) [lpm] @ 19 (inHg) | Start Time      | 10:08  |
| Post Leak Check | 0.000        | (cm) [lpm] @ 10 (inHg) | Stop Time       | 10:31  |



| Traverse Point | Min/Point Elapsed Time | Velocity Pressure ΔP (inH <sub>2</sub> O) | Orifice Setting ΔH (inH <sub>2</sub> O) | Gas Sample Volume Initial [l] | Stack Temp (°F) | Probe Temp (°F) | Filter Temp (°F) | Impinger Outlet Temp (°F) | DGM Inlet Temp (°F) | DGM Outlet Temp (°F) | Pump Vacuum (inHg) | Auxiliary Temp (°F) | Notes           |  |
|----------------|------------------------|---|---|-------------------------------|-----------------|-----------------|------------------|---------------------------|---------------------|----------------------|--------------------|---------------------|-----------------|--|
|                |                        |   |   |                               |                 |                 |                  |                           |                     |                      |                    |                     | STOP VOL        | DIFFERENCE   |
| 4-1            | 10                     | .68                                       | 1.9                                     | 464.38                        | 130             | 250             | 250              | 41                        | 102                 | 99                   | 7                  | N/A                 | STOP VOL-466.82 | Notes CLOGGED<br>RESTART VOL-466.82<br>DIFFERENCE-12.05 TD |
| 2              | 20                     | .59                                       | 1.4                                     | 479.64                        | 129             | 250             | 251              | 42                        | 103                 | 99                   | 7                  |                     |                 |  |
| 3              | 30                     | .41                                       | .94                                     | 485.02                        | 129             | 249             | 251              | 43                        | 109                 | 100                  | 3                  |                     |                 |  |
| 3-1            | 40                     | .60                                       | 1.4                                     | 491.69                        | 129             | 250             | 251              | 43                        | 110                 | 102                  | 8                  |                     |                 |  |
| 2              | 50                     | .57                                       | 1.3                                     | 498.02                        | 129             | 250             | 250              | 44                        | 111                 | 103                  | 7                  |                     |                 |  |
| 3              | 60                     | .33                                       | .76                                     | 502.87                        | 129             | 250             | 250              | 45                        | 111                 | 103                  | 5                  |                     |                 |  |
| 2-1            | 70                     | .60                                       | 1.4                                     | 509.61                        | 130             | 250             | 250              | 46                        | 110                 | 103                  | 8                  |                     |                 |  |
| 2              | 80                     | .56                                       | 1.3                                     | 516.07                        | 129             | 249             | 249              | 47                        | 112                 | 103                  | 7                  |                     |                 |  |
| 3              | 90                     | .35                                       | .81                                     | 521.07                        | 129             | 250             | 250              | 47                        | 113                 | 104                  | 5                  |                     |                 |  |
| 1-1            | 100                    | .62                                       | 1.4                                     | 527.75                        | 130             | 251             | 250              | 48                        | 112                 | 104                  | 8                  |                     |                 |  |
| 2              | 110                    | .53                                       | 1.2                                     | 533.83                        | 130             | 251             | 250              | 49                        | 112                 | 104                  | 7                  |                     |                 |  |
| 3              | 120                    | .23                                       | .53                                     | 537.95                        | 129             | 250             | 250              | 50                        | 113                 | 105                  | 5                  |                     |                 |  |
| Total          | 1200                   | 8.409                                     | 1.584                                   | 715.2                         | 1352.00         |                 |                  |                           | 1318.00             | 1229.00              |                    |                     |                 |  |
| Average        | 10.00                  | .7008                                     | 1.153                                   |                               | 129.333         |                 |                  |                           | 106.175             |                      |                    |                     |                 |  |

Circle correct bracketed [ ] units  
Train Type denotes impingers, knockouts, etc.



# AIRTECH ENVIRONMENTAL SERVICES INC.

General Testing Data Sheet

TESTING TYPE: \_\_\_\_\_

RUN NO. 3

METHOD NO. 29

Page 1 of 1

|                 |             |               |           |
|-----------------|-------------|---------------|-----------|
| Client          | BIG RIVERS  |               |           |
| Plant           | ROBARDS, KY |               |           |
| Location        | STAR #2     |               |           |
| Date            | 08/04/11    | Project No.   | 364B      |
| Meter Operator  | JD          |               |           |
| Probe Operator  | BK          |               |           |
| Meter ID        | M-16        | Yd            | 9407      |
| ΔH@             | 1.845       | Kf            | 7.30      |
| Pre Leak Check  | 0.000       | [cfm]/[ipm] @ | 1B (inHg) |
| Post Leak Check | 0.000       | [cfm] [ipm] @ | 1B (inHg) |

|                             |        |                  |       |
|-----------------------------|--------|------------------|-------|
| Barometric (inHg)           | 29.41  | Water (ml) [g]   |       |
| Ambient Temp (°F)           | 106°F  | Silica gel (g)   |       |
| Static (inH <sub>2</sub> O) | -0.4   | Total Vic        |       |
| Probe ID                    | AES-6- | Liner Type       | GLASS |
| Nozzle ID                   | .230   | Nozzle Dia (in)  | .230  |
| Filter ID                   |        | Train Type       | AMP   |
| Train ID                    | IB-    | Port Length (in) |       |
| Duct Dim. (in)              | 192.0" |                  |       |

First point all the way (in) [out]

Gas flow [in] [out] of page

Diagram description: A circle representing a probe. An arrow points to the top edge. Below the circle, the letter 'N' is circled. To the right of the circle, the number '4' is written. To the left, the number '2' is written.

| Cross Section of Duct | Start Time | Stop Time | Notes | Auxiliary Temp (°F) | Pump Vacuum (inHg) | DGM Outlet Temp (°F) | DGM Inlet Temp (°F) | Impinger Outlet Temp (°F) | Filter Temp (°F) | Probe Temp (°F) | Stack Temp (°F) | Gas Sample                 |            | Orifice Setting ΔH (inH <sub>2</sub> O) | Velocity Pressure ΔP (inH <sub>2</sub> O) | Min/Point ID | Elapsed Time |
|-----------------------|------------|-----------|-------|---------------------|--------------------|----------------------|---------------------|---------------------------|------------------|-----------------|-----------------|----------------------------|------------|---|---|--------------|--------------|
|                       |            |           |       |                     |                    |                      |                     |                           |                  |                 |                 | Initial (ft <sup>3</sup> ) | Volume [l] |   |   |              |              |
|                       | 13:11      | 15:00     |       | N/A                 | 11                 | 102                  | 102                 | 41                        | 250              | 249             | 129             | 538.13                     | 1.5        | .67                                     | 10  | 10           |              |
|                       |            |           |       |                     | 11                 | 102                  | 102                 | 42                        | 252              | 250             | 129             | 544.92                     | 1.4        | .60                                     | 20  | 20           |              |
|                       |            |           |       |                     | 7                  | 102                  | 102                 | 43                        | 250              | 250             | 129             | 551.62                     | 1.4        | .60                                     | 30  | 30           |              |
|                       |            |           |       |                     | 11                 | 103                  | 103                 | 43                        | 249              | 250             | 129             | 557.07                     | 1.5        | .66                                     | 40  | 40           |              |
|                       |            |           |       |                     | 10                 | 103                  | 103                 | 44                        | 250              | 250             | 129             | 564.07                     | 1.3        | .57                                     | 50  | 50           |              |
|                       |            |           |       |                     | 5                  | 104                  | 104                 | 45                        | 250              | 250             | 129             | 570.45                     | 1.4        | .60                                     | 60  | 60           |              |
|                       |            |           |       |                     | 10                 | 104                  | 104                 | 46                        | 250              | 250             | 129             | 575.08                     | 1.4        | .60                                     | 70  | 70           |              |
|                       |            |           |       |                     | 9                  | 105                  | 105                 | 47                        | 251              | 250             | 129             | 581.74                     | 1.2        | .54                                     | 80  | 80           |              |
|                       |            |           |       |                     | 5                  | 105                  | 105                 | 48                        | 250              | 250             | 128             | 587.93                     | .71        | .31                                     | 90  | 90           |              |
|                       |            |           |       |                     | 10                 | 105                  | 105                 | 49                        | 250              | 251             | 130             | 592.90                     | 1.4        | .61                                     | 100                                       | 100          |              |
|                       |            |           |       |                     | 9                  | 105                  | 105                 | 51                        | 250              | 250             | 130             | 599.29                     | 1.3        | .58                                     | 110                                       | 110          |              |
|                       |            |           |       |                     | 6                  | 106                  | 106                 | 51                        | 250              | 250             | 129             | 605.71                     | 1.3        | .58                                     | 120                                       | 120          |              |
|                       |            |           |       |                     |                    |                      |                     |                           |                  |                 |                 | 611.19                     | .94        | .41                                     |   |              |              |
| Total                 |            |           |       |                     |                    |                      | 1331.00             | 1246.50                   |                  |                 |                 | 73.00                      | 14.31      | 18.587                                  | 120.0                                     | 120.0        |              |
| Average               |            |           |       |                     |                    |                      | 107.375             |                           |                  |                 |                 | 15.167                     | 1.193      | .7156                                   | 10.0                                      | 10.0         |              |

Circle correct bracketed [ ] units  
Train Type denotes Impingers, knockouts, etc.

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Impinger Weights Data Sheet

PROJECT NO. 3649

Page 1 of 1

|           |                              |       |   |
|-----------|------------------------------|-------|---|
| Client:   | Big Rivers - Henderson Co. # |       |   |
| Plant:    | Robards, KY                  |       |   |
| Location: | Stack                        |       |   |
| Date:     | 8-4-11                       | Time: | 2 |
| Operator: | AL                           |       |   |

|                  |          |                        |                |            |       |
|------------------|----------|------------------------|----------------|------------|-------|
| Run No.          | 1        |                        | Train ID       | Filter No. | NA    |
| Method No.       | 29       |                        |                |            |       |
|                  | Contents | Tare with Contents (g) | Final (g)      | Total (g)  | Notes |
| Impinger No. 1   | Empty    | 624.9                  | 485.8          |            |       |
| Impinger No. 2   | 5% 10%   | 604.8                  | 623.0          |            |       |
| Impinger No. 3   | 5% 10%   | 697.5                  | 674.0          |            |       |
| Impinger No. 4   | Empty    | 643.0                  | 709.5          |            |       |
| Impinger No. 5   | Silica   | 912.0                  | 937.1          |            |       |
| Impinger No. 6   |          |                        |                |            |       |
| Impinger No. 7   |          |                        |                |            |       |
| Additional Rinse |          |                        |                |            |       |
|                  |          |                        | Net Weight (g) |            |       |

|                  |          |                        |                |            |       |
|------------------|----------|------------------------|----------------|------------|-------|
| Run No.          | 2        |                        | Train ID       | Filter No. | NA    |
| Method No.       | 29       |                        |                |            |       |
|                  | Contents | Tare with Contents (g) | Final (g)      | Total (g)  | Notes |
| Impinger No. 1   | Empty    | 586.4                  | 774.2          |            |       |
| Impinger No. 2   | 5% 10%   | 609.4                  | 647.0          |            |       |
| Impinger No. 3   | 5% 10%   | 612.1                  | 630.0          |            |       |
| Impinger No. 4   | Empty    | 547.7                  | 557.4          |            |       |
| Impinger No. 5   | Silica   | 909.7                  | 924.0          |            |       |
| Impinger No. 6   |          |                        |                |            |       |
| Impinger No. 7   |          |                        |                |            |       |
| Additional Rinse |          |                        |                |            |       |
|                  |          |                        | Net Weight (g) |            |       |

|                  |          |                        |                |            |       |
|------------------|----------|------------------------|----------------|------------|-------|
| Run No.          | 3        |                        | Train ID       | Filter No. | NA    |
| Method No.       | 29       |                        |                |            |       |
|                  | Contents | Tare with Contents (g) | Final (g)      | Total (g)  | Notes |
| Impinger No. 1   | Empty    | 621.9                  | 816.3          |            |       |
| Impinger No. 2   | 5% 10%   | 607.6                  | 646.0          |            |       |
| Impinger No. 3   | 5% 10%   | 700.0                  | 722.4          |            |       |
| Impinger No. 4   | Empty    | 645.1                  | 655.0          |            |       |
| Impinger No. 5   | Silica   | 936.8                  | 954.5          |            |       |
| Impinger No. 6   |          |                        |                |            |       |
| Impinger No. 7   |          |                        |                |            |       |
| Additional Rinse |          |                        |                |            |       |
|                  |          |                        | Net Weight (g) |            |       |

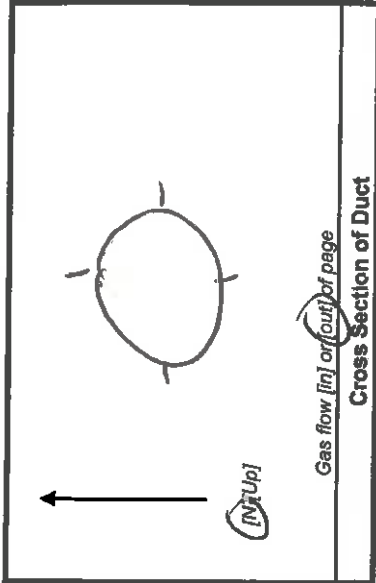
**AIRTECH ENVIRONMENTAL SERVICES INC.**

Method 30B Data Sheet

Run No. 1

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|              |             |
|--------------|-------------|
| Client       | BIG RIVERS  |
| Plant        | ROBARDS, KY |
| Location     | STACK #2    |
| Date         | 8-4-11      |
| Project No.  | 3648        |
| Meter Reader | BK          |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -36   |
| Ambient Temp. (°F)          | 99    |
| Start Time                  | 0719  |
| Stop Time                   | 0904  |

**Sample Train A UNSKED**

|                 |       |          |        |          |        |
|-----------------|-------|----------|--------|----------|--------|
| Trap ID         | 95160 | Meter ID | R20078 | Yd       | 1,007a |
| Pre Leak Check  | 0.007 | lpm @    | 16     | (in. Hg) |        |
| Post Leak Check | 0.003 | lpm @    | 7      | (in. Hg) |        |

| Min/Point | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | PROBE TEMP Notes |
|-----------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| 5         | 40lpm              | 2.019                  | 129             | 98            | 2                   | 192              |
| 10        |                    | 4.017                  | 130             | 99            | 3                   | 194              |
| 15        |                    | 5.991                  | 131             | 99            | 3                   | 194              |
| 20        |                    | 8.023                  | 133             | 101           | 4                   | 196              |
| 25        |                    | 10.023                 | 132             | 104           | 3                   | 194              |
| 30        |                    | 12.081                 | 133             | 105           | 4                   | 193              |
| 35        |                    | 14.118                 | 132             | 108           | 3                   | 193              |
| 40        |                    | 16.055                 | 132             | 110           | 4                   | 193              |
| 45        |                    | 18.086                 | 132             | 111           | 3                   | 191              |
| 50        |                    | 20.042                 | 132             | 113           | 3                   | 194              |
| 55        |                    | 22.008                 | 132             | 114           | 3                   | 194              |
| 60        |                    | 24.051                 | 133             | 115           | 3                   | 194              |
| Total     |                    | (36.074)               | 1581            | 1277          |                     |                  |
| Average   |                    |                        | (131.94)        | (110.39)      |                     |                  |

**Sample Train B SKED**

|                 |       |          |        |          |        |
|-----------------|-------|----------|--------|----------|--------|
| Trap ID         | 72500 | Meter ID | R20078 | Yd       | 1,998b |
| Pre Leak Check  | 0.004 | lpm @    | 15     | (in. Hg) |        |
| Post Leak Check | 0.000 | lpm @    | 4      | (in. Hg) |        |

| Min/Point | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | PROBE TEMP Notes |
|-----------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| 5         | 40lpm              | 2.048                  | 129             | 98            | 2                   | 192              |
| 10        |                    | 3.994                  | 130             | 98            | 2                   | 194              |
| 15        |                    | 5.981                  | 131             | 100           | 2                   | 194              |
| 20        |                    | 8.016                  | 133             | 102           | 2                   | 196              |
| 25        |                    | 10.027                 | 132             | 105           | 2                   | 194              |
| 30        |                    | 12.071                 | 133             | 107           | 2                   | 193              |
| 35        |                    | 14.094                 | 132             | 110           | 2                   | 193              |
| 40        |                    | 16.071                 | 132             | 111           | 2                   | 193              |
| 45        |                    | 17.994                 | 132             | 113           | 2                   | 191              |
| 50        |                    | 20.101                 | 132             | 115           | 2                   | 194              |
| 55        |                    | 22.066                 | 132             | 116           | 2                   | 194              |
| 60        |                    | 24.014                 | 133             | 117           | 2                   | 194              |
| Total     |                    | (36.085)               | 1581            | 1292          |                     |                  |
| Average   |                    |                        | (131.94)        | (111.6)       |                     |                  |



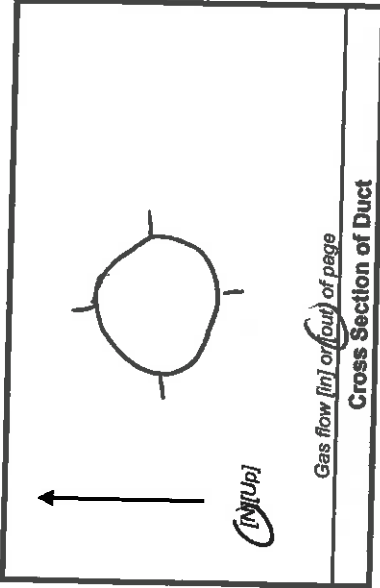
**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Method 30B Data Sheet

Run No. 1

|              |                    |
|--------------|--------------------|
| Client       | <u>BIG RIVERS</u>  |
| Plant        | <u>ROBARDS, KY</u> |
| Location     | <u>STACK #2</u>    |
| Date         | <u>8-4-11</u>      |
| Project No.  | <u>36418</u>       |
| Meter Reader | <u>BK</u>          |

Page 2 of 2

|                             |              |
|-----------------------------|--------------|
| Barometric (in. Hg)         | <u>29.41</u> |
| Static (inH <sub>2</sub> O) | <u>-40</u>   |
| Ambient Temp. (°F)          | <u>99</u>    |
| Start Time                  | <u>0719</u>  |
| Stop Time                   | <u>0904</u>  |



**Sample Train A UNSAVED**

|                 |              |          |            |          |  |
|-----------------|--------------|----------|------------|----------|--|
| Trap ID         | <u>95160</u> | Meter ID |            | Yd       |  |
| Pre Leak Check  | <u>0.007</u> | lpm @    | <u>110</u> | (in. Hg) |  |
| Post Leak Check | <u>0.003</u> | lpm @    | <u>7</u>   | (in. Hg) |  |

| Min/Point    | Flow Meter Setting | Gas Sample Initial (l) | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Probe Temp Notes |
|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| 5            |                    |                        |                 |               |                     |                  |
| Elapsed Time |                    |                        |                 |               |                     |                  |
| 65           | <u>.40 lpm</u>     | <u>26.062</u>          | <u>132</u>      | <u>110</u>    | <u>3</u>            | <u>194</u>       |
| 70           |                    | <u>28.093</u>          | <u>132</u>      | <u>117</u>    | <u>3</u>            | <u>193</u>       |
| 75           |                    | <u>30.052</u>          | <u>132</u>      | <u>118</u>    | <u>3</u>            | <u>192</u>       |
| 80           |                    | <u>32.091</u>          | <u>133</u>      | <u>119</u>    | <u>4</u>            | <u>192</u>       |
| 85           |                    | <u>34.082</u>          | <u>132</u>      | <u>120</u>    | <u>3</u>            | <u>192</u>       |
| 90           |                    | <u>36.074</u>          | <u>133</u>      | <u>120</u>    |                     |                  |
| Total        |                    | <u>36.074</u>          | <u>794</u>      | <u>710</u>    |                     |                  |
| Average      |                    |                        |                 |               |                     |                  |

**Sample Train B SAVED**

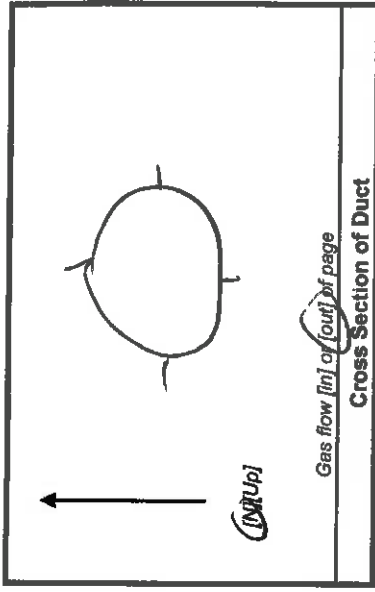
|                 |              |          |           |          |  |
|-----------------|--------------|----------|-----------|----------|--|
| Trap ID         | <u>72500</u> | Meter ID |           | Yd       |  |
| Pre Leak Check  | <u>0.004</u> | lpm @    | <u>15</u> | (in. Hg) |  |
| Post Leak Check | <u>0.000</u> | lpm @    | <u>4</u>  | (in. Hg) |  |

| Min/Point    | Flow Meter Setting | Gas Sample Initial (l) | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Probe Temp Notes |
|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| 5            |                    |                        |                 |               |                     |                  |
| Elapsed Time |                    |                        |                 |               |                     |                  |
| 65           | <u>.40 lpm</u>     | <u>26.062</u>          | <u>132</u>      | <u>118</u>    | <u>2</u>            | <u>194</u>       |
| 70           |                    | <u>28.059</u>          | <u>132</u>      | <u>118</u>    | <u>2</u>            | <u>193</u>       |
| 75           |                    | <u>30.068</u>          | <u>132</u>      | <u>120</u>    | <u>2</u>            | <u>192</u>       |
| 80           |                    | <u>32.032</u>          | <u>133</u>      | <u>120</u>    | <u>2</u>            | <u>192</u>       |
| 85           |                    | <u>34.031</u>          | <u>132</u>      | <u>121</u>    | <u>2</u>            | <u>192</u>       |
| 90           |                    | <u>36.085</u>          | <u>133</u>      | <u>121</u>    | <u>2</u>            | <u>193</u>       |
| Total        |                    | <u>36.085</u>          | <u>794</u>      | <u>718</u>    |                     |                  |
| Average      |                    |                        |                 |               |                     |                  |

Run No. 2

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|              |            |
|--------------|------------|
| Client       | BIG RIVERS |
| Plant        | ROADS, KY  |
| Location     | STACK #2   |
| Date         | 8-4-11     |
| Project No.  | 3018       |
| Meter Reader | BK         |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | - .40 |
| Ambient Temp. (°F)          | 103   |
| Start Time                  | 1008  |
| Stop Time                   | 1156  |

Sample Train A UNSPIKED

|                 |       |          |    |          |  |
|-----------------|-------|----------|----|----------|--|
| Trap ID         | 95162 | Meter ID |    | Yd       |  |
| Pre Leak Check  | 0.004 | lpm @    | 15 | (in. Hg) |  |
| Post Leak Check | 0.003 | lpm @    | 9  | (in. Hg) |  |

Sample Train B SPIKED

|                 |       |          |    |          |  |
|-----------------|-------|----------|----|----------|--|
| Trap ID         | 72489 | Meter ID |    | Yd       |  |
| Pre Leak Check  | 0.008 | lpm @    | 16 | (in. Hg) |  |
| Post Leak Check | 0.004 | lpm @    | 7  | (in. Hg) |  |

| Min/Point | Elapsed Time | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Notes         |
|-----------|--------------|--------------------|------------------------|-----------------|---------------|---------------------|---------------|
| 5         | 5            | .40 lpm            | 2.017                  | 132             | 102           | 3                   | ROSE TEMP 193 |
| 10        | 10           |                    | 4.063                  | 132             | 102           | 3                   | 194           |
| 15        | 15           |                    | 6.087                  | 132             | 104           | 3                   | 194           |
| 20        | 20           |                    | 8.103                  | 133             | 105           | 4                   | 191           |
| 25        | 25           |                    | 9.989                  | 133             | 106           | 4                   | 193           |
| 30        | 30           |                    | 12.067                 | 132             | 108           | 4                   | 193           |
| 35        | 35           |                    | 14.109                 | 132             | 109           | 4                   | 192           |
| 40        | 40           |                    | 16.096                 | 132             | 111           | 4                   | 193           |
| 45        | 45           |                    | 18.049                 | 131             | 111           | 4                   | 192           |
| 50        | 50           |                    | 20.062                 | 132             | 113           | 3                   | 194           |
| 55        | 55           |                    | 22.031                 | 132             | 113           | 4                   | 194           |
| 60        | 60           |                    | 24.043                 | 132             | 114           | 4                   | 193           |
| Total     |              |                    | 36.041                 | 1585            | 1298          |                     |               |
| Average   |              |                    | 36.010                 | 132.11          | 110.89        |                     |               |

| Min/Point | Elapsed Time | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Notes         |
|-----------|--------------|--------------------|------------------------|-----------------|---------------|---------------------|---------------|
| 5         | 5            | .40 lpm            | 2.001                  | 132             | 102           | 2                   | ROSE TEMP 193 |
| 10        | 10           |                    | 3.989                  | 132             | 103           | 2                   | 194           |
| 15        | 15           |                    | 6.011                  | 132             | 105           | 2                   | 194           |
| 20        | 20           |                    | 8.041                  | 133             | 105           | 2                   | 191           |
| 25        | 25           |                    | 10.023                 | 133             | 107           | 2                   | 193           |
| 30        | 30           |                    | 12.028                 | 132             | 109           | 2                   | 193           |
| 35        | 35           |                    | 14.010                 | 132             | 111           | 2                   | 192           |
| 40        | 40           |                    | 16.029                 | 132             | 110           | 2                   | 193           |
| 45        | 45           |                    | 18.013                 | 131             | 113           | 2                   | 192           |
| 50        | 50           |                    | 20.081                 | 132             | 114           | 2                   | 194           |
| 55        | 55           |                    | 22.037                 | 132             | 114           | 2                   | 194           |
| 60        | 60           |                    | 24.058                 | 132             | 116           | 2                   | 193           |
| Total     |              |                    | 36.070                 | 1585            | 1311          |                     |               |
| Average   |              |                    | 36.010                 | 132.11          | 112.00        |                     |               |

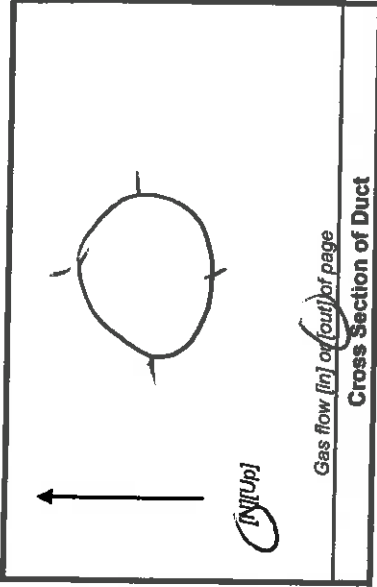
**AIRTECH ENVIRONMENTAL SERVICES INC.**

Method 30B Data Sheet

Run No. 2

|              |            |
|--------------|------------|
| Client       | RIG RIVERS |
| Plant        | ROBARDS KY |
| Location     | STACK #2   |
| Date         | 8-4-11     |
| Project No.  | 3648       |
| Meter Reader | BK         |

|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -40   |
| Ambient Temp. (°F)          | 103   |
| Start Time                  | 1008  |
| Stop Time                   | 1156  |



**Sample Train A UNSPIRED**

|                 |       |          |    |          |  |
|-----------------|-------|----------|----|----------|--|
| Trap ID         | 95162 | Meter ID |    | Yd       |  |
| Pre Leak Check  | 0.004 | lpm @    | 15 | (in. Hg) |  |
| Post Leak Check | 0.003 | lpm @    | 9  | (in. Hg) |  |

| Min/Point | Elapsed Time | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | PROBE TEMP Notes |
|-----------|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| 5         | 65           | 40lpm              | 26.014                 | 132             | 115           | 4                   | 194              |
|           | 70           |                    | 28.049                 | 132             | 116           | 3                   | 192              |
|           | 75           |                    | 30.029                 | 132             | 116           | 4                   | 192              |
|           | 80           |                    | 31.997                 | 133             | 117           | 4                   | 193              |
|           | 85           |                    | 34.016                 | 132             | 117           | 4                   | 192              |
|           | 90           |                    | 36.041                 | 132             | 117           | 4                   | 193              |
| Total     |              |                    | 36.041                 | 793             | 698           |                     |                  |
| Average   |              |                    |                        |                 |               |                     |                  |

**Sample Train B SPIRED**

|                 |       |          |    |          |  |
|-----------------|-------|----------|----|----------|--|
| Trap ID         | 72489 | Meter ID |    | Yd       |  |
| Pre Leak Check  | 0.008 | lpm @    | 16 | (in. Hg) |  |
| Post Leak Check | 0.004 | lpm @    | 7  | (in. Hg) |  |

| Min/Point | Elapsed Time | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | PROBE TEMP Notes |
|-----------|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| 5         | 65           | 40lpm              | 26.008                 | 132             | 117           | 2                   | 194              |
|           | 70           |                    | 28.017                 | 132             | 117           | 2                   | 192              |
|           | 75           |                    | 30.008                 | 132             | 117           | 2                   | 192              |
|           | 80           |                    | 32.022                 | 133             | 118           | 2                   | 193              |
|           | 85           |                    | 34.095                 | 132             | 118           | 2                   | 192              |
|           | 90           |                    | 36.070                 | 132             | 119           | 2                   | 193              |
| Total     |              |                    | 36.070                 | 793             | 706           |                     |                  |
| Average   |              |                    |                        |                 |               |                     |                  |



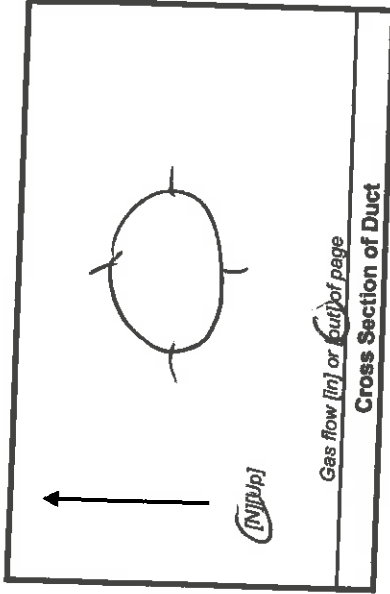
**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Method 30B Data Sheet

Run No. 3

|              |             |
|--------------|-------------|
| Client       | BIG RIVERS  |
| Plant        | ROBERTS, KY |
| Location     | STACK # 2   |
| Date         | 8-4-11      |
| Project No.  | 3648        |
| Meter Reader | BK          |

Page 1 of 2

|                              |       |
|------------------------------|-------|
| Barometric (in. Hg)          | 29.41 |
| Static (in H <sub>2</sub> O) | - .40 |
| Ambient Temp. (°F)           | 106   |
| Start Time                   | 1311  |
| Stop Time                    | 1500  |



**Sample Train A UNSERVED**

|                 |       |          |    |          |  |
|-----------------|-------|----------|----|----------|--|
| Trap ID         | 9514  | Meter ID |    | Yd       |  |
| Pre Leak Check  | 0.001 | lpm @    | 15 | (in. Hg) |  |
| Post Leak Check | 0.001 | lpm @    | 8  | (in. Hg) |  |

| Mini/Point   | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Probe Temp Notes |
|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| Elapsed Time |                    |                        |                 |               |                     |                  |
| 5            | 40 lpm             | 2.122                  | 131             | 104           | 3                   | 191              |
| 10           |                    | 4.097                  | 131             | 103           | 4                   | 190              |
| 15           |                    | 6.029                  | 131             | 104           | 4                   | 190              |
| 20           |                    | 8.012                  | 130             | 105           | 4                   | 190              |
| 25           |                    | 10.016                 | 131             | 107           | 4                   | 190              |
| 30           |                    | 12.016                 | 132             | 109           | 4                   | 191              |
| 35           |                    | 14.071                 | 131             | 111           | 4                   | 191              |
| 40           |                    | 16.076                 | 131             | 113           | 4                   | 192              |
| 45           |                    | 18.047                 | 131             | 115           | 4                   | 191              |
| 50           |                    | 20.029                 | 132             | 116           | 4                   | 190              |
| 55           |                    | 21.998                 | 131             | 118           | 4                   | 190              |
| 60           |                    | 24.009                 | 131             | 118           | 4                   | 190              |
| Total        |                    | 36.072                 | 1184            | 1323          |                     |                  |
| Average      |                    |                        | 1573            | 113.94        |                     |                  |

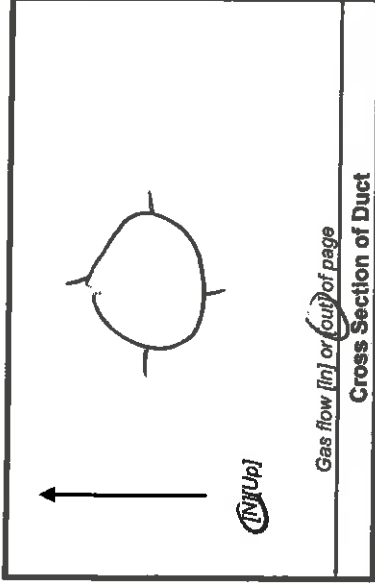
**Sample Train B SERVED**

|                 |       |          |    |          |  |
|-----------------|-------|----------|----|----------|--|
| Trap ID         | 12498 | Meter ID |    | Yd       |  |
| Pre Leak Check  | 0.004 | lpm @    | 15 | (in. Hg) |  |
| Post Leak Check | 0.001 | lpm @    | 6  | (in. Hg) |  |

| Mini/Point   | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Probe Temp Notes |
|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|
| Elapsed Time |                    |                        |                 |               |                     |                  |
| 5            | 10 lpm             | 0.012                  | 131             | 103           | 2                   | 191              |
| 10           |                    | 4.054                  | 131             | 103           | 2                   | 190              |
| 15           |                    | 6.022                  | 131             | 104           | 2                   | 190              |
| 20           |                    | 8.044                  | 130             | 106           | 2                   | 190              |
| 25           |                    | 10.024                 | 131             | 109           | 2                   | 190              |
| 30           |                    | 12.032                 | 132             | 111           | 2                   | 191              |
| 35           |                    | 14.029                 | 131             | 114           | 2                   | 191              |
| 40           |                    | 16.025                 | 131             | 116           | 2                   | 191              |
| 45           |                    | 18.054                 | 131             | 117           | 2                   | 192              |
| 50           |                    | 20.019                 | 132             | 118           | 2                   | 190              |
| 55           |                    | 22.081                 | 131             | 120           | 2                   | 190              |
| 60           |                    | 24.087                 | 131             | 120           | 2                   | 190              |
| Total        |                    | 36.084                 | 1184            | 1341          |                     |                  |
| Average      |                    |                        | 1573            | 115.33        |                     |                  |

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Method 30B Data Sheet

|              |             |
|--------------|-------------|
| Client       | PKG RIVERS  |
| Plant        | ROBERTS, KY |
| Location     | STACK #2    |
| Date         | 8-4-11      |
| Project No.  | 3648        |
| Meter Reader | BK          |



|                             |       |
|-----------------------------|-------|
| Barometric (in. Hg)         | 29.41 |
| Static (inH <sub>2</sub> O) | -.40  |
| Ambient Temp. (°F)          | 106   |
| Start Time                  | 1311  |
| Stop Time                   | 1600  |

Sample Train A UNSPIKED

|                 |       |          |   |          |    |
|-----------------|-------|----------|---|----------|----|
| Trap ID         | 95154 | Meter ID |   | Yd       | 15 |
| Pre Leak Check  | 0.001 | ipm @    |   | (in. Hg) |    |
| Post Leak Check | 0.001 | ipm @    | 8 | (in. Hg) |    |

| Min/Point | Elapsed Time | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Probe Temp Notes |       |
|-----------|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|-------|
|           |              |                    |                        |                 |               |                     |                  | O.000 |
| 5         | 65           | .40 lpm            | 26.072                 | 132             | 120           | 4                   | 190              |       |
|           | 70           |                    | 28.013                 | 131             | 120           | 4                   | 190              |       |
|           | 75           |                    | 30.011                 | 132             | 121           | 4                   | 190              |       |
|           | 80           |                    | 32.058                 | 131             | 122           | 4                   | 191              |       |
|           | 85           |                    | 34.081                 | 132             | 122           | 4                   | 190              |       |
|           | 90           |                    | 36.072                 | 131             | 123           | 4                   | 190              |       |
| Total     |              |                    |                        |                 |               |                     | 26.072           | 789   |
| Average   |              |                    |                        |                 |               |                     |                  | 728   |

Sample Train B SPIKED

|                 |       |          |   |          |    |
|-----------------|-------|----------|---|----------|----|
| Trap ID         | 72498 | Meter ID |   | Yd       | 15 |
| Pre Leak Check  | 0.004 | ipm @    |   | (in. Hg) |    |
| Post Leak Check | 0.001 | ipm @    | 6 | (in. Hg) |    |

| Min/Point | Elapsed Time | Flow Meter Setting | Gas Sample Initial [l] | Stack Temp (°F) | DGM Temp (°F) | Pump Vacuum (in Hg) | Probe Temp Notes |       |
|-----------|--------------|--------------------|------------------------|-----------------|---------------|---------------------|------------------|-------|
|           |              |                    |                        |                 |               |                     |                  | O.000 |
| 5         | 65           | .40 lpm            | 26.073                 | 132             | 121           | 2                   | 190              |       |
|           | 70           |                    | 28.047                 | 131             | 122           | 2                   | 190              |       |
|           | 75           |                    | 30.042                 | 132             | 122           | 2                   | 190              |       |
|           | 80           |                    | 32.061                 | 131             | 123           | 2                   | 191              |       |
|           | 85           |                    | 34.061                 | 132             | 123           | 2                   | 190              |       |
|           | 90           |                    | 36.081                 | 131             | 124           | 2                   | 190              |       |
| Total     |              |                    |                        |                 |               |                     | 26.084           | 789   |
| Average   |              |                    |                        |                 |               |                     |                  | 735   |

**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Oxygen and Carbon Dioxide Data Sheet

PROJECT NO. 3648

|                      |                 |                   |  |
|----------------------|-----------------|-------------------|--|
| <b>Client</b>        | Big Rivers      |                   |  |
| <b>Plant</b>         | Hendeson Unit 2 |                   |  |
| <b>Location</b>      | ESP Outlet      | <b>Date</b>       |  |
| <b>Analyzer Type</b> | Plant CEMS Data | <b>Leak Check</b> |  |

| Run No | Trial No | %CO <sub>2w</sub> | %CO <sub>2d</sub> | %O <sub>2</sub> | F <sub>O</sub> | Date     | Start Time | Stop Time |
|--------|----------|-------------------|-------------------|-----------------|----------------|----------|------------|-----------|
| 1      | 1        |                   |                   |                 | 1.15           | 8/4/2011 | 7:19       | 9:58      |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  | 11.8              | 13.3              | 5.63            |                |          |            |           |
| 2      | 1        |                   |                   |                 | 1.16           | 8/4/2011 | 10:09      | 12:38     |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  | 11.8              | 13.2              | 5.60            |                |          |            |           |
| 3      | 1        |                   |                   |                 | 1.16           | 8/4/2011 | 13:11      | 15:54     |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  | 11.8              | 13.3              | 5.44            |                |          |            |           |
|        | 1        |                   |                   |                 |                |          |            |           |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  |                   |                   |                 |                |          |            |           |
|        | 1        |                   |                   |                 |                |          |            |           |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  |                   |                   |                 |                |          |            |           |
|        | 1        |                   |                   |                 |                |          |            |           |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  |                   |                   |                 |                |          |            |           |
|        | 1        |                   |                   |                 |                |          |            |           |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  |                   |                   |                 |                |          |            |           |
|        | 1        |                   |                   |                 |                |          |            |           |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  |                   |                   |                 |                |          |            |           |
|        | 1        |                   |                   |                 |                |          |            |           |
|        | 2        |                   |                   |                 |                |          |            |           |
|        | 3        |                   |                   |                 |                |          |            |           |
|        | Average  |                   |                   |                 |                |          |            |           |



**AIRTECH ENVIRONMENTAL SERVICES INC.**  
Oxygen and Carbon Dioxide Data Sheet

PROJECT NO. 3648

|                      |                 |            |  |
|----------------------|-----------------|------------|--|
| <b>Client</b>        | Big Rivers      |            |  |
| <b>Plant</b>         | Hendeson Unit 2 |            |  |
| <b>Location</b>      | Stack           | Date       |  |
| <b>Analyzer Type</b> | Plant CEMS Data | Leak Check |  |

| Run No | Trial No | %CO <sub>2W</sub> | %CO <sub>2,i</sub> | %O <sub>2</sub> | F <sub>O</sub> | Date     | Start Time | Stop Time |
|--------|----------|-------------------|--------------------|-----------------|----------------|----------|------------|-----------|
| 1      | 1        |                   |                    |                 | 1.15           | 8/4/2011 | 7:19       | 9:23      |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  | 10.9              | 12.8               | 6.20            |                |          |            |           |
| 2      | 1        |                   |                    |                 | 1.16           | 8/4/2011 | 10:08      | 12:31     |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  | 10.8              | 12.8               | 6.00            |                |          |            |           |
| 3      | 1        |                   |                    |                 | 1.16           | 8/4/2011 | 13:11      | 15:36     |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  | 10.9              | 13.1               | 5.67            |                |          |            |           |
|        | 1        |                   |                    |                 |                |          |            |           |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  |                   |                    |                 |                |          |            |           |
|        | 1        |                   |                    |                 |                |          |            |           |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  |                   |                    |                 |                |          |            |           |
|        | 1        |                   |                    |                 |                |          |            |           |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  |                   |                    |                 |                |          |            |           |
|        | 1        |                   |                    |                 |                |          |            |           |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  |                   |                    |                 |                |          |            |           |
|        | 1        |                   |                    |                 |                |          |            |           |
|        | 2        |                   |                    |                 |                |          |            |           |
|        | 3        |                   |                    |                 |                |          |            |           |
|        | Average  |                   |                    |                 |                |          |            |           |