

Upton Mill**Ambient Air Particulate Network Summary
4Q 2013**

Report ID: Qa RER Upton Filter Report 4Q_2013

Report Date: 28-Jan-14

Reported By: Chartier

| Filter ID | Sampler ID | Runday | Tare Mass | Exposed Mass | Net Mass | Run Time | Act Flow | Std Vol | Act Vol | Std Conc | Act Conc | Comments |
|-----------|------------|----------|-----------|--------------|----------|----------|---------------------|----------------|----------------|------------------------|------------------------|-----------------------------|
| | | | grams | grams | grams | minutes | m ³ /min | m ³ | m ³ | µg/m ³ | µg/m ³ | |
| 515959 | 1-PM10 | 11/12/13 | 4.3220 | 4.3488 | 0.0268 | 1440 | 1.08 | 1491 | 1559 | 18 | 17 | |
| 515960 | 1-PM25 | 11/15/13 | 4.3385 | 4.3545 | 0.0160 | 1440 | 0.96 | 1329 | 1384 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515962 | 2-PM10 | 11/25/13 | 4.3275 | 4.3482 | 0.0207 | 2164 | 1.59 | 3252 | 3432 | Invalid ^{1,2} | Invalid ^{1,2} | Time and flow out of limits |
| 515952 | 2-PM25 | 10/09/13 | 4.3155 | 4.3235 | 0.0080 | 1440 | 1.26 | 1633 | 1818 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515961 | 2-PM25 | 11/21/13 | 4.3328 | 4.3398 | 0.0070 | 1440 | 2.19 | 1634 | 3150 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515954 | 3-PM10 | 10/18/13 | 4.3207 | 4.3306 | 0.0099 | 1440 | 1.27 | 1631 | 1833 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515964 | 3-PM10 | 12/11/13 | 4.4175 | 4.4440 | 0.0265 | 1440 | 1.90 | 1631 | 2738 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515953 | 3-PM25 | 10/16/13 | 4.2923 | 4.3039 | 0.0116 | 1440 | 1.23 | 1631 | 1765 | 7 | 7 | |
| 515965 | 3-PM25 | 12/16/13 | 4.3977 | 4.4054 | 0.0077 | 2160 | 1.31 | 2640 | 2825 | Invalid ^{1,2} | Invalid ^{1,2} | Time and flow out of limits |
| 515955 | 4-PM10 | 10/22/13 | 4.3249 | 4.3382 | 0.0133 | 1440 | 1.25 | 1633 | 1797 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515967 | 4-PM10 | 12/23/13 | 4.4084 | 4.4169 | 0.0085 | 1440 | 1.37 | 1631 | 1966 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515956 | 4-PM25 | 10/28/13 | 4.3214 | 4.3253 | 0.0039 | 1440 | 1.20 | 1632 | 1725 | 2 | 2 | |
| 515966 | 4-PM25 | 12/20/13 | 4.4042 | 4.4117 | 0.0075 | 1440 | 1.61 | 1633 | 2319 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515958 | 5-PM10 | 11/05/13 | 4.3187 | 4.3270 | 0.0083 | 1440 | 1.21 | 1631 | 1745 | 5 | 5 | |
| 515968 | 5-PM10 | 12/30/13 | 4.4068 | 4.4136 | 0.0068 | 1440 | 1.29 | 1634 | 1863 | Invalid ¹ | Invalid ¹ | Flow rate out of limits |
| 515957 | 5-PM25 | 10/31/13 | 4.304 | 4.312 | 0.008 | 1440 | 1.24 | 1634 | 1785 | 5 | 4 | |

¹ Actual flow rate limits for high volume samples are 1.13±10% m³/min or 1.02 to 1.24 m³/min. Flow rates out of specified limits change the particle size discrimination characteristics of the sample inlet; high flow rate produces results biased low and low flow rate produces results biased high. (EPA Method 2.11, sec 2.1)

² Valid sample collection period is 24±1 hr or 1440±60 minutes (40 CFR 50 Appendix J, sec 9.10)