

**Upton Mine****Ambient Air Particulate Network Summary****2Q 2014**

Report ID: Qa RER Upton Filter Report 2Q\_2014

Report Date: 8-Aug-14

Reported By: Hininger

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 <sup>3</sup> /min	m <sup>3</sup>	m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	
515986	1-PM10	04/07/14	4.4297	4.4809	0.0512	1440	1.09	1445	1573	35	33	
515997	1-PM10	05/20/14	4.5342	4.5525	0.0183	1440	1.07	1366	1537	13	12	
516006	1-PM10	06/27/14	4.5473	4.5708	0.0235	1440	1.04	1292	1499	18	16	
515987	1-PM25	04/10/14	4.4267	4.4399	0.0132	1440	1.02	1316	1462	10	9	
515996	1-PM25	05/16/14	4.5508	4.5728	0.0220	1440	1.09	1410	1571	16	14	
515989	2-PM10	04/17/14	4.5247	4.5320	0.0073	1440	1.29	1637	1852	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515998	2-PM10	05/22/14	4.5593	4.5703	0.0110	1440	1.33	1640	1921	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515988	2-PM25	04/14/14	4.5131	4.5172	0.0041	1440	1.25	1638	1803	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515999	2-PM25	05/27/14	4.5533	4.5593	0.0060	1440	1.35	1639	1950	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515993	3-PM10	05/06/14	4.5453	4.5485	0.0032	1440	1.25	1631	1800	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
516002	3-PM10	06/13/14	4.5303	4.5402	0.0099	1440	1.30	1631	1867	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515992	3-PM25	05/06/14	4.5225	4.5306	0.0081	1440	1.23	1565	1766	5	5	
516003	3-PM25	06/17/14	4.5186	4.5268	0.0082	1440	1.25	1541	1794	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515990	4-PM10	04/22/14	4.5331	4.5683	0.0352	1440	1.29	1611	1853	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
516001	4-PM10	06/10/14	4.5297	4.5432	0.0135	1440	1.26	1572	1817	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515991	4-PM25	04/25/14	4.5139	4.5210	0.0071	1440	1.23	1492	1766	5	4	
516000	4-PM25	06/03/14	4.5499	4.5601	0.0102	1440	1.26	1540	1819	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515985	5-PM10	04/04/14	4.3855	4.4241	0.0386	1440	1.26	1631	1820	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515994	5-PM10	05/13/14	4.5130	4.5546	0.0416	1440	1.25	1633	1798	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
516005	5-PM10	06/24/14	4.5403	4.5657	0.0254	1440	1.33	1631	1914	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515995	5-PM25	05/14/14	4.5312	4.5517	0.0205	1440	1.27	1631	1828	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
516004	5-PM25	06/20/14	4.5286	4.5519	0.0233	1440	1.33	1634	1921	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits

<sup>1</sup> Actual flow rate limits for high volume samples are 1.13±10% m<sup>3</sup>/min or 1.02 to 1.24 m<sup>3</sup>/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)

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