

**Upton Mine****Ambient Air Particulate Network Summary  
1Q 2014**

Report ID: Qa RER Upton Filter Report 1Q\_2014

Report Date: 28-Apr-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>	
515970	2-PM10	01/12/14	4.4191	4.4254	0.0063	1440	1.36	1631	1965	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515978	2-PM10	02/25/14	4.3935	4.3980	0.0045	1440	2.23	1638	3205	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515971	2-PM25	01/16/14	4.3917	4.3951	0.0034	1440	1.43	1634	2052	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515979	2-PM25	03/04/14	4.4018	4.4062	0.0044	1440	1.22	1637	1759	3	3	Torn
515973	3-PM10	01/27/14	4.4300	4.4396	0.0096	1440	2.06	1631	2962	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515982	3-PM10	03/19/14	4.4051	4.4165	0.0114	1440	1.24	1632	1788	7	6	
515972	3-PM25	01/20/14	4.3995	4.4031	0.0036	1440	1.68	1630	2415	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515983	3-PM25	03/24/14	4.4088	4.4165	0.0077	1440	1.21	1630	1747	5	4	Torn
515974	4-PM10	02/03/14	4.3924	4.4065	0.0141	1440	2.99	1637	4308	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515981	4-PM10	03/17/14	4.4057	4.4122	0.0065	1440	1.20	1630	1730	4	4	
515975	4-PM25	02/06/14	4.3859	4.4001	0.0142	1440	2.57	1632	3705	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515980	4-PM25	03/11/14	4.3933	4.3945	0.0012	1440	1.21	1632	1745	1	1	Torn
515977	5-PM10	02/21/14	4.4116	4.4210	0.0094	1440	1.53	1631	2209	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515969	5-PM25	01/02/14	4.4018	4.4055	0.0037	1440	1.46	1632	2099	Invalid <sup>1</sup>	Invalid <sup>1</sup>	Flow rate out of limits
515976	5-PM25	02/17/14	4.4097	4.4134	0.0037	1440	1.24	1631	1785	2	2	Torn
515984	5-PM25	03/26/14	4.3810	4.3926	0.0116	1440	1.25	1631	1798	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)