

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)