

Upton Mill
Ambient Air Particulate Network Summary
3Q 2013

Report ID: Qa RER Upton Filter Report 3Q_2013 V2 (replaces Qa RER Upton Filter Report 3Q_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	
514633	1-PM10	07/25/13	4.7213	4.7410	0.0197	1440	1.00	1214	1434	Invalid ¹	Invalid ¹	Flow rate out of limits
514635	1-PM25	08/05/13	4.7294	4.7399	0.0105	1440						No volume
514644	1-PM25	09/18/13	4.7177	4.7284	0.0107	1440	0.92	1215	1329	Invalid ¹	Invalid ¹	Flow rate out of limits
514637	2-PM10	08/09/13	4.7282	4.7445	0.0163	1440	1.36	1636	1954	Invalid ¹	Invalid ¹	Flow rate out of limits
514646	2-PM10	09/30/13	4.7410	4.7450	0.0045	2880	1.28	3273	3687	Invalid ^{1,2}	Invalid ^{1,2}	Time and flow out of limits
514636	2-PM25	08/07/13	4.7163	4.7272	0.0109	1440	1.37	1635	1971	Invalid ¹	Invalid ¹	Flow rate out of limits
514628	3-PM10	07/02/13	4.6975	4.7285	0.0310	1440	1.07	1313	1547	24	20	
514638	3-PM10	08/19/13	4.7301	4.7796	0.0495	1440	1.15	1409	1661	35	30	
514639	3-PM25	08/22/13	4.7187	4.7339	0.0152	1440	1.00	1218	1440	Invalid ¹	Invalid ¹	Flow rate out of limits
514629	4-PM10	07/12/13	4.7348	4.7667	0.0319	1440	1.24	1441	1790	22	18	
514641	4-PM10	09/03/13	4.7340	4.7777	0.0437	1440	1.26	1452	1809	Invalid ¹	Invalid ¹	Flow rate out of limits
514630	4-PM25	07/16/13	4.7089	4.7198	0.0109	1440	1.20	1401	1734	8	6	
514640	4-PM25	08/28/13	4.7350	4.7536	0.0186	1440	1.24	1435	1792	13	10	
514632	5-PM10	07/23/13	4.7271	4.7904	0.0633	1440	1.35	1627	1938	Invalid ¹	Invalid ¹	Flow rate out of limits
514642	5-PM10	09/10/13	4.7247	4.8157	0.0910	1440	1.30	1633	1879	Invalid ¹	Invalid ¹	Flow rate out of limits
514631	5-PM25	07/18/13	4.742	4.756	0.014	1440	1.34	1635	1936	Invalid ¹	Invalid ¹	Flow rate out of limits
514643	5-PM25	09/12/13	4.7321	4.7444	0.0123	1440	1.30	1631	1869	Invalid ¹	Invalid ¹	Flow rate out of limits

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)