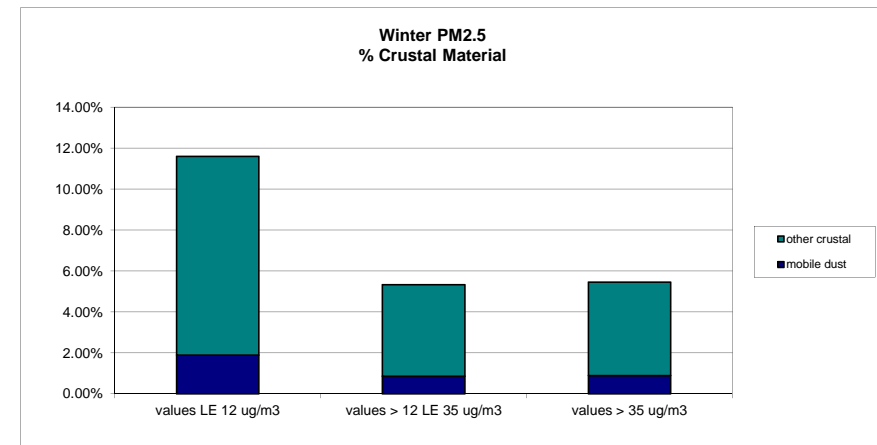
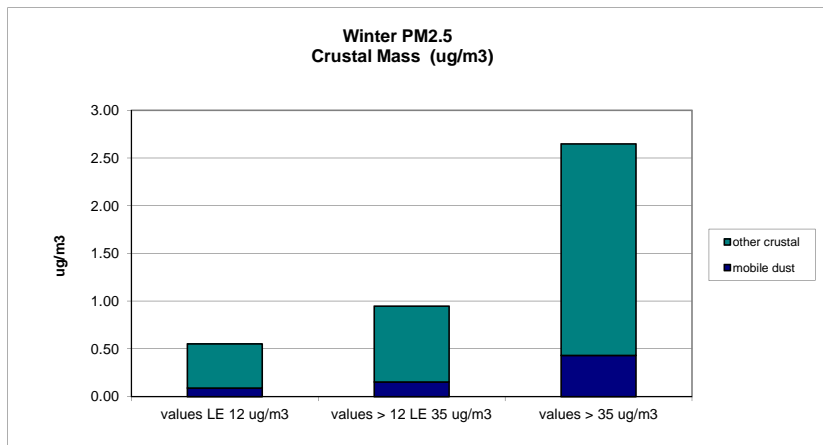
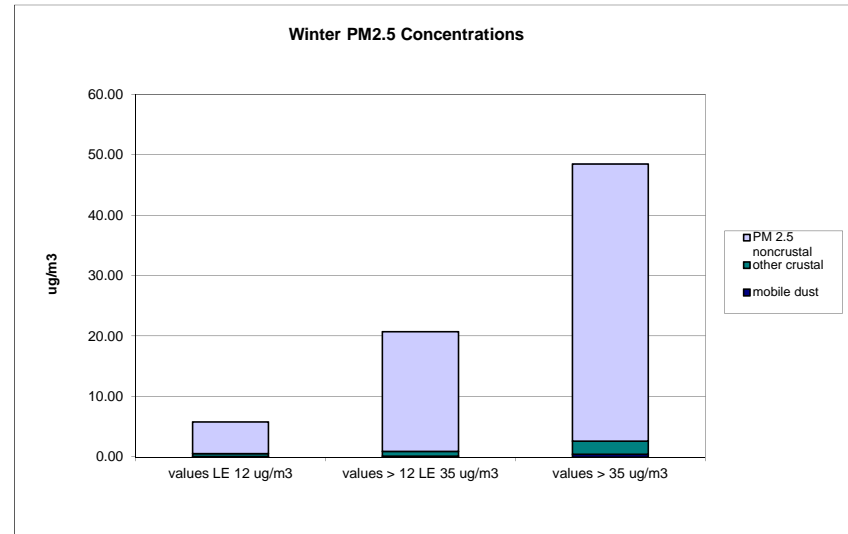


Salt Lake County
Inventory of Primary PM2.5, in average tons per episode-day
(February 3, 2016)

	Tons PM2.5	% of Total
Point Sources	3.23	25.53%
Area Sources	5.17	40.93%
Non-Road Mobile Sources	0.71	5.59%
On-Road Mobile Sources:	3.53	27.95%
*exhaust	1.48	11.69%
*dust	2.06	16.26%
Total:	12.64	100%

* The On-Rd. Mobile source fraction represents the portion belonging to (Road-Dust + Tire Wear + Brake Wear) and excludes that which is Direct PM2.5 Exhaust



Statistics:											
	number	total mass			crustal mass		% Crustal		*On-Rd. Mobile Crustal		
		avg.	sdev.		avg.	sdev.	avg.	sdev.	ug/m3	Avg. %	
values > 35 ug/m3	1	48.50	0.00		2.65	0.00	5.46%	0.00		0.43	0.89%
values > 12 LE 35 ug/m3	11	20.72	7.18		0.95	0.68	5.32%	0.06		0.15	0.87%
values LE 12 ug/m3	26	5.82	2.54		0.55	0.37	11.59%	0.09		0.09	1.88%
all days	38	11.25	10.16		0.72	0.59	9.62%	0.08		0.12	1.56%

* The On-Rd. Mobile source fraction represents the portion belonging to (Road-Dust + Tire Wear + Brake Wear) and excludes that which is Exhaust (elemental carbon, organic carbon, and sulfate)

Speciated PM2.5 Filter Data from the Hawthorne Monitor				
Date	Total Mass ug/m3	Crustal Mass ug/m3	% Crustal	
Hawthorne 20160209	48.5	2.6486651	0.0546117	
Hawthorne 20160128	33.9	1.1811204	0.0348413	
Hawthorne 20160113	29.2	1.0388023	0.0355754	
Hawthorne 20160215	27.6	0.6329129	0.0229316	
Hawthorne 20151229	23.5	0.3294776	0.0140203	
Hawthorne 20160206	21.1	0.7311329	0.0346508	
Hawthorne 20151123	19.1	1.3170734	0.0689567	
Hawthorne 20160101	19.1	0.701556	0.0367307	
Hawthorne 20160122	15.9	1.1955215	0.07519	
Hawthorne 20160107	13.2	0.3582449	0.0271398	
Hawthorne 20151220	12.8	0.2674101	0.0208914	
Hawthorne 20151202	12.5	2.6806905	0.2144552	
Hawthorne 20151129	11.4	0.2417721	0.0212081	
Hawthorne 20151114	10.6	0.5424868	0.051178	
Hawthorne 20160224	9.2	0.7143178	0.0776432	
Hawthorne 20160110	8.8	0.3611851	0.0410438	
Hawthorne 20160203	8.2	0.3860275	0.0470765	
Hawthorne 20160116	8.1	0.2351971	0.0290367	
Hawthorne 20160131	7.2	0.0588686	0.0081762	
Hawthorne 20151108	7.1	1.3541236	0.1907216	
Hawthorne 20151226	6.9	0.3134623	0.0454293	
Hawthorne 20151208	6.5	0.7585694	0.116703	
Hawthorne 20151205	6.4	0.5733616	0.0895878	
Hawthorne 20160221	6.4	0.7654911	0.119608	
Hawthorne 20151105	5.9	0.8471868	0.143591	
Hawthorne 20160227	5.5	1.3538803	0.2461601	
Hawthorne 20160119	5.3	0.2400447	0.0452915	
Hawthorne 20151217	4.8	0.1793946	0.0373739	
Hawthorne 20151117	4	0.5064858	0.1266215	
Hawthorne 20151223	4	0.2393314	0.0598329	
Hawthorne 20151120	3.8	0.3044719	0.0801242	
Hawthorne 20151111	3.6	0.199522	0.0554228	
Hawthorne 20151211	3.6	0.6241731	0.1733814	

Chart Data:			
		crustal mass	
	PM 2.5 noncrustal	other crustal	mobile dust
values LE 12 ug/m3	5.26	0.46	0.09
values > 12 LE 35 ug/m3	19.77	0.79	0.15
values > 35 ug/m3	45.85	2.22	0.43
		crustal mass	
	other crustal	mobile dust	
values LE 12 ug/m3	0.46	0.09	
values > 12 LE 35 ug/m3	0.79	0.15	
values > 35 ug/m3	2.22	0.43	
		% Crustal	
	other crustal	mobile dust	
values LE 12 ug/m3	9.71%	1.88%	
values > 12 LE 35 ug/m3	4.46%	0.87%	
values > 35 ug/m3	4.57%	0.89%	

Hawthorne	20151102	3.5	1.2377154	0.353633
Hawthorne	20160301	3.5	0.9636641	0.2753326
Hawthorne	20151126	2.8	0.7256995	0.2591784
Hawthorne	20151214	2.4	0.390064	0.1625267
Hawthorne	20160218	1.7	0.2688656	0.1581562