State of Oregon Department of Environmental Quality

Air Quality Data in the air near Powell and SE 22nd Ave in Portland

Summary of Powell and SE 22nd data, without the uncertainties

Sample date	Chromium (ng/m3)	Cobalt (ng/m3)	Arsenic (ng/m3)	Selenium (ng/m3)	Cadmium (ng/m3)	Lead (ng/m3)	Nickel (ng/m3)	Manganese (ng/m3)	Beryllium (ng/m3)
10/6/15	406.7	2.3	75.0	9.8	13.0	66.9	17.0	50.5	0.062
10/7/15	20.2	0.3	3.0	4.1	2.2	5.9	3.4	35.3	0.012
10/9/15	**24.4**	**0.9**	**8.8**	**45.6**	**13.8**	**7.6**	**8.3**	**13.1**	**0.018**
10/10/15	24.9	0.3	20.3	3.0	195.4	5.4	2.3	4.0	0.007
10/12/15	25.5	0.9	20.1	13.2	8.6	32.5	8.0	14.2	0.015
10/14/15	19.0	0.1	1.1	0.0	1.6	2.2	1.4	18.3	0.008
10/15/15	**17.4**	**0.4**	**1.1**	**0.0**	**2.7**	**6.3**	**3.5**	**44.2**	**0.030**
10/17/15	21.0	0.2	7.7	0.8	1.5	10.1	2.9	8.2	0.012
10/18/15	20.1	0.4	6.7	8.3	4.4	7.6	7.4	8.0	0.008
10/20/15	21.4	0.3	14.8	12.3	6.5	16.7	2.9	13.1	0.008
10/21/15	**22.8**	**1.1**	**101.1**	**13.0**	**11.6**	**60.7**	**6.8**	**24.2**	**0.020**
10/23/15	23.3	0.3	3.0	0.0	0.8	5.2	4.3	27.7	0.013
10/24/15	439.5	0.8	3.5	2.7	1.1	8.1	7.1	23.5	0.029
10/26/15	48.0	3.5	60.4	271.1	132.9	67.3	1.9	7.2	0.010
10/27/15	**24.4**	**0.8**	**15.9**	**15.6**	**10.8**	**10.2**	**9.2**	**21.1**	**0.019**
10/29/15	37.7	2.8	93.2	220.0	56.9	248.3	4.6	6.0	0.009
10/30/15	38.5	0.4	97.3	136.5	41.7	124.4	1.4	3.4	0.007
11/2/15	52.6	0.7	38.3	41.4	24.3	87.6	5.0	13.3	0.007
Average	**71.5**	**0.9**	**31.7**	**44.3**	**29.4**	**42.9**	**5.4**	**18.6**	**0.016**

Ambient Benchmark Concentrations

Chromium (ng/m3(LC))	Cobalt (ng/m3(LC))	Arsenic (ng/m3(LC))	Selenium (ng/m3(LC))	Cadmium (ng/m3(LC))	Lead (ng/m3(LC))	Nickel (ng/m3(LC))	Manganese (ng/m3(LC))	Beryllium (ng/m3(LC))
Not established for unspeciated chromium	100	0.2	None established	0.6	150	2	90	0.4

Other Portland Cd Metals sites in Oct-Nov, 2015

Cadmium, Total ng/m3	Sitton Elementary	N. Stafford	N. Roselawn
10/3/15	0.044	0.050	0.053
10/9/15	0.869	Void	Void
10/15/15	0.120	0.094	0.178
10/21/15	0.165	0.162	0.311
10/27/15	0.414	0.649	0.916
11/2/15	0.051	ND	0.036
11/8/15	0.071	0.110	1.07
11/14/15	0.093	0.057	0.074