State of Oregon Department of Environmental Quality

Air Quality Monitoring Results
Milwaukie Johnson Creek

Data Quality Key
Met all QC and Method criteria.
Results Estimated. Either below the quantitation limit, or because of issues during sampling or analysis.
Sampler not set up or no sample collected due to instrument problems.
Data of unacceptable quality.

Comparison Values For Metals in Air

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Urban Background from NATTS sites	0.2 - 1.4	< MDL	0.04 - 0.5	1.6 - 4	0.05 - 0.3	0.01 - 0.08	2 - 10	3.2 - 19.5	0.8 - 2.8	0.1 - 1
DEQ Ambient Benchmark	0.2	0.4	0.6	N/A	100	0.08	150	90	4	N/A
Oregon 24-Hour Screening Levels	36	10	30	N/A	100	36	150	400	200	710

Statistics of Daily Values

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Minimum Detected Amount	0.175	0	0.087	27.3	0.097	0.047	0.237	0.94	0.389	0.358
Maximum Detected Amount	5.03	0	0.244	60.3	36.3	1.16	5.99	28.5	131	1.12
Average[1]	**0.521**	N/A	0.0918	28.17	1.658	**0.331**	1.582	7.708	**13.54**	0.36
Standard Deviation[1]	0.631	N/A	0.0212	5.118	4.367	0.243	1.025	5.927	18.63	0.08
Times above DEQ Ambient Benchmark	**2.6**	N/A	0.2	N/A	0.0	**4.1**	0.0	0.1	**3.4**	N/A

[1] Calculated by using ProUCL 5, Kaplan Meier method with non-detects

Daily Data

Sampled	Sample Type	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
4/2/2016 17:00	24 Hr (LV 2.5)	2.5	<0.087	0.177	<27.0	0.125	0.128	2.68	3.23	2.81	<0.346
4/3/2016 17:00	24 Hr (LV 2.5)	0.182	<0.087	<0.087	<27.0	<0.087	0.06	0.801	<0.865	<0.346	<0.346
4/4/2016 17:00	24 Hr (LV 2.5)	0.723	<0.087	<0.087	<27.0	<0.087	Void	0.898	2.12	2.68	<0.346
4/5/2016 17:00	24 Hr (LV 2.5)	1.9	<0.087	0.137	31	1.93	0.833	4.84	5.96	34.1	<0.346
4/6/2016 17:00	24 Hr (LV 2.5)	0.739	<0.087	0.087	59.2	13.7	Void	3.43	5.17	131	<0.346
4/7/2016 17:00	24 Hr (LV 2.5)	0.547	<0.087	<0.087	30.8	0.331	0.551	2.98	8.93	33.2	1.12
4/8/2016 17:00	24 Hr (LV 2.5)	0.751	<0.087	<0.087	60.3	36.3	0.693	1.37	2.15	48.5	<0.346
4/9/2016 17:00	24 Hr (LV 2.5)	0.77	<0.087	0.156	58.2	32.6	0.854	1.95	1.71	79.2	<0.346
4/12/2016 12:00	24 Hr (LV 2.5)	0.479	<0.087	<0.087	<27.0	<0.087	0.066	1.01	1.24	<0.346	<0.346
4/13/2016 12:00	24 Hr (LV 2.5)	0.393	<0.087	<0.087	<27.0	<0.087	0.066	1.13	1.54	<0.346	<0.346
4/14/2016 12:00	24 Hr (LV 2.5)	0.599	<0.087	<0.087	<27.0	<0.087	0.047	0.883	1.25	0.454	<0.346
4/15/2016 12:00	24 Hr (LV 2.5)	5.03	<0.087	0.244	<27.0	1.13	0.438	3.89	2.62	19.8	<0.346
4/16/2016 12:00	24 Hr (LV 2.5)	0.997	<0.087	0.107	<27.0	1.88	0.162	2.59	2.08	10.4	<0.346
4/17/2016 12:00	24 Hr (LV 2.5)	0.242	<0.087	<0.087	<27.0	1.61	0.22	0.829	1.7	8.26	<0.346
4/18/2016 12:00	24 Hr (LV 2.5)	0.569	<0.087	<0.087	<27.0	0.206	0.296	1.82	8.79	17.3	<0.346
4/19/2016 12:00	24 Hr	1.19	<0.087	0.095	29.5	1.21	0.23	4.31	21.2	24.4	0.363
4/20/2016 12:00	24 Hr	0.452	<0.087	0.097	<27.0	0.794	0.241	1.58	8.7	20.7	<0.346
4/21/2016 12:00	24 Hr	0.318	<0.087	<0.087	<27.0	0.763	0.347	1.19	9.68	13.8	<0.346
4/22/2016 12:00	24 Hr	0.675	<0.087	<0.087	<27.0	0.144	0.087	0.997	2.03	4.8	<0.346
4/23/2016 12:00	24 Hr	0.471	<0.087	<0.087	<27.0	<0.087	<0.036	1.07	<0.865	<0.346	<0.346
4/24/2016 12:00	24 Hr	0.775	<0.087	<0.087	<27.0	0.164	0.082	0.923	1.5	3.74	<0.346
4/25/2016 12:00	24 Hr	0.222	<0.087	<0.087	<27.0	0.931	0.099	0.921	4.43	9.02	<0.346
4/26/2016 12:00	24 Hr	0.834	<0.087	<0.087	<27.0	0.208	0.106	2.93	4.48	4.73	<0.346
4/27/2016 12:00	24 Hr	1.06	<0.087	<0.087	<27.0	1.87	0.114	1.99	7.04	13.7	<0.346
4/28/2016 12:00	24 Hr	0.358	<0.087	<0.087	29.3	0.98	1.16	1.28	9.8	73.2	<0.346
4/29/2016 12:00	24 Hr	0.822	<0.087	<0.087	<27.0	0.343	0.141	1.09	2.05	9.49	<0.346
4/30/2016 12:00	24 Hr	1.36	<0.087	0.197	37.9	2.62	0.967	4.04	4.91	108	<0.346

Comparison Values For Metals in Air

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Urban Background from NATTS sites	0.2 - 1.4	< MDL	0.04 - 0.5	1.6 - 4	0.05 - 0.3	0.01 - 0.08	2 - 10	3.2 - 19.5	0.8 - 2.8	0.1 - 1
DEQ Ambient Benchmark	0.2	0.4	0.6	N/A	100	0.08	150	90	4	N/A
Oregon 24-Hour Screening Levels	36	10	30	N/A	100	36	150	400	200	710

Statistics of Daily Values

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Minimum Detected Amount	0.175	0	0.087	27.3	0.097	0.047	0.237	0.94	0.389	0.358
Maximum Detected Amount	5.03	0	0.244	60.3	36.3	1.16	5.99	28.5	131	1.12
Average[1]	**0.521**	N/A	0.0918	28.17	1.658	**0.331**	1.582	7.708	**13.54**	0.36
Standard Deviation[1]	0.631	N/A	0.0212	5.118	4.367	0.243	1.025	5.927	18.63	0.08
Times above DEQ Ambient Benchmark	**2.6**	N/A	0.2	N/A	0.0	**4.1**	0.0	0.1	**3.4**	N/A

[1] Calculated by using ProUCL 5, Kaplan Meier method with non-detects

Daily Data

Sampled	Sample Type	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
5/1/2016 12:00	24 Hr	0.346	<0.087	<0.087	<27.0	0.647	0.131	2.95	10.6	3.53	<0.346
5/2/2016 12:00	24 Hr	0.457	<0.087	<0.087	<27.0	0.434	0.049	1.48	5.27	2.95	<0.346
5/3/2016 12:00	24 Hr	0.388	<0.087	<0.087	<27.0	1.21	0.467	1.59	7.93	14.1	<0.346
5/4/2016 12:00	24 Hr	0.298	<0.087	<0.087	<27.0	2.03	0.419	1.59	12.3	24.8	<0.346
5/5/2016 12:00	24 Hr	0.317	<0.087	<0.087	<27.0	2.5	0.246	1.57	11.1	17.8	<0.346
5/6/2016 12:00	24 Hr	0.396	<0.087	<0.087	<27.0	1.64	0.271	2.01	9.63	21.9	<0.346
5/7/2016 12:00	24 Hr	Void	Void	Void	Void	Void	0.359	Void	Void	Void	Void
5/8/2016 12:00	24 Hr	Void	Void	Void	Void	Void	0.135	Void	Void	Void	Void
5/9/2016 12:00	24 Hr	0.651	<0.087	<0.087	<27.0	0.992	0.365	2.68	8.54	9.2	<0.346
5/10/2016 12:00	24 Hr	1.15	<0.087	<0.087	<27.0	0.992	0.362	3.21	26.6	16.2	<0.346
5/11/2016 12:00	24 Hr	4.2	<0.087	0.142	<27.0	0.63	0.129	3.21	16.4	7.32	<0.346
5/12/2016 12:00	24 Hr	0.704	<0.087	<0.087	<27.0	1.92	0.396	2.79	14.5	11.5	<0.346
5/13/2016 12:00	24 Hr	0.384	<0.087	<0.087	<27.0	0.389	0.182	1.44	10.5	2.36	<0.346
5/14/2016 12:00	24 Hr	0.651	<0.087	<0.087	<27.0	<0.087	0.142	1.24	<0.865	0.414	<0.346
5/15/2016 12:00	24 Hr	0.711	<0.087	<0.087	<27.0	0.138	0.225	4.62	3.52	2.28	<0.346
5/16/2016 12:00	24 Hr	0.294	<0.087	<0.087	<27.0	0.625	0.355	1.56	5.91	16.7	<0.346
5/17/2016 12:00	24 Hr	0.442	<0.087	<0.087	<27.0	0.706	0.223	1.73	6.77	8.06	<0.346
5/18/2016 12:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.469	0.234	0.692	4.86	3.87	<0.346
5/19/2016 12:00	24 Hr	0.594	<0.087	<0.087	<27.0	0.402	0.111	0.796	4.46	3.06	<0.346
5/20/2016 12:00	24 Hr	0.431	<0.087	<0.087	<27.0	0.49	0.119	1.27	4.47	3.7	<0.346
5/21/2016 12:00	24 Hr	0.91	<0.087	<0.087	<27.0	0.306	0.126	1.27	1.37	1.13	<0.346
5/22/2016 12:00	24 Hr	0.362	<0.087	<0.087	<27.0	<0.087	0.126	0.433	<0.866	0.403	<0.346
5/23/2016 12:00	24 Hr	0.242	<0.087	<0.087	<27.0	0.398	0.191	0.833	6.38	4.25	<0.346
5/24/2016 12:00	24 Hr	0.182	<0.087	<0.087	<27.0	1.23	0.247	0.611	4.44	7.04	<0.346
5/25/2016 12:00	24 Hr	0.177	<0.087	<0.087	<27.0	1.89	0.389	0.952	6.12	21.7	<0.346
5/26/2016 12:00	24 Hr	0.285	<0.086	<0.086	<26.9	0.644	0.157	0.666	5.64	3.2	<0.345
5/27/2016 12:00	24 Hr	0.531	<0.087	<0.087	<27.0	0.564	0.214	1	2.88	3.79	<0.346
5/28/2016 12:00	24 Hr	0.355	<0.087	<0.087	<27.0	0.248	0.191	1.22	2.95	1.21	<0.346
5/29/2016 12:00	24 Hr	0.428	<0.087	<0.087	<27.0	0.67	0.173	0.966	3.01	3.61	<0.346
5/31/2016 12:00	24 Hr	0.362	<0.087	<0.087	<27.0	0.602	0.16	1.66	17.8	3.9	<0.346
6/1/2016 12:00	24 Hr	<0.173	<0.087	<0.087	<27.0	1.47	0.363	0.755	5.28	9.24	<0.346
6/2/2016 12:00	24 Hr	1.68	<0.087	<0.087	<27.0	0.885	0.311	2.91	13.7	12.8	0.476
6/3/2016 12:00	24 Hr	0.781	<0.087	0.09	31.1	3.84	0.93	3.51	12.3	30.1	<0.346
6/4/2016 12:00	24 Hr	0.949	<0.087	0.088	<27.0	1.53	0.605	5.99	10	15.9	<0.346

Comparison Values For Metals in Air

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Urban Background from NATTS sites	0.2 - 1.4	< MDL	0.04 - 0.5	1.6 - 4	0.05 - 0.3	0.01 - 0.08	2 - 10	3.2 - 19.5	0.8 - 2.8	0.1 - 1
DEQ Ambient Benchmark	0.2	0.4	0.6	N/A	100	0.08	150	90	4	N/A
Oregon 24-Hour Screening Levels	36	10	30	N/A	100	36	150	400	200	710

Statistics of Daily Values

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Minimum Detected Amount	0.175	0	0.087	27.3	0.097	0.047	0.237	0.94	0.389	0.358
Maximum Detected Amount	5.03	0	0.244	60.3	36.3	1.16	5.99	28.5	131	1.12
Average[1]	**0.521**	N/A	0.0918	28.17	1.658	**0.331**	1.582	7.708	**13.54**	0.36
Standard Deviation[1]	0.631	N/A	0.0212	5.118	4.367	0.243	1.025	5.927	18.63	0.08
Times above DEQ Ambient Benchmark	**2.6**	N/A	0.2	N/A	0.0	**4.1**	0.0	0.1	**3.4**	N/A

[1] Calculated by using ProUCL 5, Kaplan Meier method with non-detects

Daily Data

Sampled	Sample Type	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
6/5/2016 12:00	24 Hr	0.434	<0.087	<0.087	<27.0	0.691	0.323	2.48	7.29	4.78	0.466
6/6/2016 12:00	24 Hr	0.343	<0.087	<0.087	<27.0	1.36	0.402	1.92	12.3	10.9	0.549
6/7/2016 12:00	24 Hr	<0.173	<0.087	<0.087	<27.0	2.01	0.509	0.616	4.57	13.4	<0.346
6/8/2016 12:00	24 Hr	0.327	<0.087	<0.087	<27.0	1.23	0.507	1.53	9.42	9.45	0.513
6/9/2016 12:00	24 Hr	0.381	<0.087	<0.087	<27.0	0.097	0.144	0.989	3.93	0.727	<0.346
6/10/2016 11:10	24 Hr	Void	Void	Void	Void	Void	0.099	Void	Void	Void	Void
6/11/2016 11:00	24 Hr	0.431	<0.087	<0.087	<27.0	0.225	0.203	1.01	1.96	3.22	<0.346
6/12/2016 11:00	24 Hr	0.22	<0.087	<0.087	<27.0	0.363	0.318	1.01	3.01	9.71	<0.346
6/13/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	<0.087	0.083	0.322	1.42	0.547	<0.346
6/14/2016 11:00	24 Hr	0.256	<0.087	<0.087	<27.0	0.168	0.083	0.36	2.1	0.99	<0.346
6/15/2016 11:00	24 Hr	0.357	<0.087	<0.087	<27.0	0.559	0.139	0.535	2.02	3.29	<0.346
6/16/2016 11:00	24 Hr	0.485	<0.087	<0.087	<27.0	0.656	0.23	1.95	13.3	6.38	0.723
6/17/2016 11:00	24 Hr	0.506	<0.087	<0.087	<27.0	1.06	0.122	1.56	4.82	12.8	<0.346
6/18/2016 11:00	24 Hr	1.68	<0.087	<0.087	<27.0	0.357	0.228	2.1	3.28	7.16	<0.346
6/19/2016 11:00	24 Hr	0.54	<0.087	<0.087	<27.0	0.961	0.272	2.03	17.3	11.4	<0.346
6/20/2016 11:00	24 Hr	0.495	<0.087	<0.087	<27.0	4.01	0.244	1.08	5.16	9.25	<0.346
6/21/2016 11:00	24 Hr	0.199	<0.087	<0.087	<27.0	1.03	0.395	1.05	18.4	6.63	<0.346
6/22/2016 11:00	24 Hr	0.23	<0.087	<0.087	<27.0	0.542	0.318	0.642	5.08	3.8	<0.346
6/23/2016 11:00	24 Hr	0.284	<0.087	<0.087	<27.0	<0.087	0.111	0.409	1.03	0.561	<0.346
6/24/2016 11:00	24 Hr	0.428	<0.087	0.097	27.4	2.42	0.693	1.09	8.59	19.9	<0.346
6/25/2016 11:00	24 Hr	0.603	<0.087	0.111	<27.0	0.629	0.297	1.94	4.53	14.4	<0.346
6/26/2016 11:00	24 Hr	0.398	<0.087	<0.087	<27.0	0.445	0.219	1.95	8.29	8.6	<0.346
6/27/2016 11:00	24 Hr	0.293	<0.087	0.104	27.5	1.27	0.716	1.21	9.14	26.6	<0.346
6/28/2016 11:00	24 Hr	0.206	<0.087	0.121	33.1	4.44	1.1	1.11	12.5	29.2	<0.346
6/29/2016 11:00	24 Hr	0.249	<0.087	0.119	<27.0	1.11	0.325	1.14	8.83	6.9	<0.346
6/30/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	1.24	0.69	0.972	10.3	31.6	<0.346
7/1/2016 11:00	24 Hr	0.237	<0.087	<0.087	<27.0	0.99	0.563	1.01	5.94	17	<0.346
7/2/2016 11:00	24 Hr	0.213	<0.087	<0.087	<27.0	0.872	0.547	0.86	3.6	9.86	<0.346
7/3/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.315	0.218	0.649	3.37	7.53	<0.346
7/5/2016 11:00	24 Hr	0.215	<0.087	<0.087	33.4	2.56	1.03	1.01	7.91	50.6	<0.346
7/6/2016 11:00	24 Hr	0.241	<0.087	<0.087	33.4	2.53	0.376	1.01	7.96	51	<0.346
7/7/2016 11:15	24 Hr	0.282	<0.087	<0.087	<27.0	<0.087	0.099	0.519	3.47	0.389	<0.346
7/8/2016 11:00	24 Hr	0.189	<0.087	<0.087	<27.0	<0.087	0.12	0.521	1.06	<0.346	<0.346
7/9/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	<0.087	0.099	0.237	0.94	0.767	<0.346

Comparison Values For Metals in Air

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Urban Background from NATTS sites	0.2 - 1.4	< MDL	0.04 - 0.5	1.6 - 4	0.05 - 0.3	0.01 - 0.08	2 - 10	3.2 - 19.5	0.8 - 2.8	0.1 - 1
DEQ Ambient Benchmark	0.2	0.4	0.6	N/A	100	0.08	150	90	4	N/A
Oregon 24-Hour Screening Levels	36	10	30	N/A	100	36	150	400	200	710

Statistics of Daily Values

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Minimum Detected Amount	0.175	0	0.087	27.3	0.097	0.047	0.237	0.94	0.389	0.358
Maximum Detected Amount	5.03	0	0.244	60.3	36.3	1.16	5.99	28.5	131	1.12
Average[1]	**0.521**	N/A	0.0918	28.17	1.658	**0.331**	1.582	7.708	**13.54**	0.36
Standard Deviation[1]	0.631	N/A	0.0212	5.118	4.367	0.243	1.025	5.927	18.63	0.08
Times above DEQ Ambient Benchmark	**2.6**	N/A	0.2	N/A	0.0	**4.1**	0.0	0.1	**3.4**	N/A

[1] Calculated by using ProUCL 5, Kaplan Meier method with non-detects

Daily Data

Sampled	Sample Type	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
7/10/2016 11:00	24 Hr	0.35	<0.087	<0.087	<27.0	0.228	0.179	0.564	2.09	1.35	<0.346
7/11/2016 11:00	24 Hr	0.204	<0.087	<0.087	<27.0	1.14	0.23	1.1	7.05	8.58	<0.346
7/12/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.658	0.402	0.762	12	4.54	<0.346
7/13/2016 11:00	24 Hr	0.175	<0.087	<0.087	<27.0	2.46	0.383	1.15	16.6	18.1	<0.346
7/14/2016 11:00	24 Hr	0.331	<0.087	<0.087	<27.0	0.703	0.263	0.968	9.41	6.92	<0.346
7/15/2016 11:00	24 Hr	0.313	<0.087	<0.087	<27.0	0.317	0.239	1.22	4.61	6.75	<0.346
7/16/2016 11:00	24 Hr	0.258	<0.087	<0.087	<27.0	1.31	0.497	1	7.56	6.44	<0.346
7/17/2016 11:00	24 Hr	0.248	<0.087	<0.087	<27.0	0.405	0.196	1.9	5.01	2.09	<0.346
7/18/2016 11:00	24 Hr	0.511	<0.087	<0.087	<27.0	0.355	0.177	0.554	6.98	1.54	<0.346
7/19/2016 11:00	24 Hr	0.239	<0.087	<0.087	<27.0	1.12	0.283	1.68	6.29	6.67	<0.346
7/20/2016 11:00	24 Hr	0.298	<0.087	<0.087	<27.0	1.21	0.48	1.7	11.4	12.8	<0.346
7/21/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.113	0.152	0.668	6.85	0.4	<0.346
7/22/2016 11:00	24 Hr	0.222	<0.087	<0.087	<27.0	1.08	0.497	0.722	4.16	11.9	<0.346
7/23/2016 11:00	24 Hr	0.305	<0.087	<0.087	<27.0	0.776	0.454	1.78	3.15	18.9	<0.346
7/24/2016 11:00	24 Hr	0.616	<0.087	<0.087	<27.0	0.852	0.253	1.64	7.48	6.93	<0.346
7/25/2016 11:00	24 Hr	0.234	<0.087	<0.087	27.3	3.27	0.667	1.31	14.7	18.9	<0.346
7/26/2016 11:00	24 Hr	0.192	<0.087	<0.087	33.6	2.16	0.824	0.952	11.6	22.4	<0.346
7/27/2016 11:00	24 Hr	0.251	<0.087	<0.087	27.3	2.49	0.458	1.59	9.24	21.5	<0.346
7/28/2016 11:00	24 Hr	0.296	<0.087	<0.087	27.9	1.47	0.449	3	11.5	11.2	<0.346
7/29/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	1.28	0.49	1.72	7.76	15.2	<0.346
7/30/2016 11:00	24 Hr	0.178	<0.087	<0.087	<27.0	0.974	0.237	2.73	3.89	5.35	<0.346
7/31/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	3.69	0.765	1.36	9.31	16.7	<0.346
8/1/2016 11:00	24 Hr	0.235	<0.087	<0.087	<27.0	1.02	0.23	0.999	8.89	6.32	<0.346
8/2/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.634	0.211	0.731	8.18	3.97	<0.346
8/3/2016 11:00	24 Hr	0.319	<0.087	<0.087	<27.0	2.42	0.347	2.26	11.2	15.7	<0.346
8/4/2016 11:00	24 Hr	0.22	<0.087	<0.087	36.7	4.24	1.12	1.92	25.6	37.8	<0.346
8/5/2016 11:00	24 Hr	0.189	<0.087	<0.087	<27.0	0.978	0.44	0.86	9.8	7.38	<0.346
8/6/2016 11:00	24 Hr	0.218	<0.087	<0.087	<27.0	1.06	Void	1.16	5.53	9.15	<0.346
8/7/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.138	0.074	0.422	3.13	1.05	<0.346
8/17/2016 11:00	24 Hr	0.322	<0.087	<0.087	<27.0	2.03	0.649	1.51	11.7	14	0.358
8/18/2016 11:00	24 Hr	0.509	<0.087	<0.087	<27.0	1.34	0.301	2.73	25	10.6	<0.346
8/19/2016 11:00	24 Hr	0.732	<0.087	0.133	<27.0	1.21	0.279	2.56	28.5	7.1	<0.346
8/20/2016 11:00	24 Hr	0.277	<0.087	<0.087	<27.0	0.891	0.299	1.37	9.24	6.59	<0.346
8/21/2016 11:00	24 Hr	<0.173	<0.087	<0.087	<27.0	0.589	0.392	1.05	7.21	4.8	<0.346

Comparison Values For Metals in Air

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Urban Background from NATTS sites	0.2 - 1.4	< MDL	0.04 - 0.5	1.6 - 4	0.05 - 0.3	0.01 - 0.08	2 - 10	3.2 - 19.5	0.8 - 2.8	0.1 - 1
DEQ Ambient Benchmark	0.2	0.4	0.6	N/A	100	0.08	150	90	4	N/A
Oregon 24-Hour Screening Levels	36	10	30	N/A	100	36	150	400	200	710

Statistics of Daily Values

	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
Minimum Detected Amount	0.175	0	0.087	27.3	0.097	0.047	0.237	0.94	0.389	0.358
Maximum Detected Amount	5.03	0	0.244	60.3	36.3	1.16	5.99	28.5	131	1.12
Average[1]	**0.521**	N/A	0.0918	28.17	1.658	**0.331**	1.582	7.708	**13.54**	0.36
Standard Deviation[1]	0.631	N/A	0.0212	5.118	4.367	0.243	1.025	5.927	18.63	0.08
Times above DEQ Ambient Benchmark	**2.6**	N/A	0.2	N/A	0.0	**4.1**	0.0	0.1	**3.4**	N/A

[1] Calculated by using ProUCL 5, Kaplan Meier method with non-detects

Daily Data

Sampled	Sample Type	Arsenic, Total (ng/m³ LTP)	Beryllium, Total (ng/m³ LTP)	Cadmium, Total (ng/m³ LTP)	Chromium, Total (ng/m³ LTP)	Cobalt, Total (ng/m³ LTP)	Hexavalent Chromium Cr(VI) (ng/m³ LTP)	Lead, Total (ng/m³ LTP)	Manganese, Total (ng/m³ LTP)	Nickel, Total (ng/m³ LTP)	Selenium, Total (ng/m³ LTP)
8/22/2016 11:00	24 Hr	0.424	<0.087	<0.087	<27.0	0.743	0.226	1.17	21.7	8.15	0.428
8/23/2016 11:00	24 Hr	0.339	<0.087	<0.087	<27.0	1.26	0.188	2.15	17.3	19.1	<0.346
8/24/2016 11:00	24 Hr	0.438	<0.087	<0.087	<27.0	1.66	0.449	3.66	26.9	17.4	<0.346