

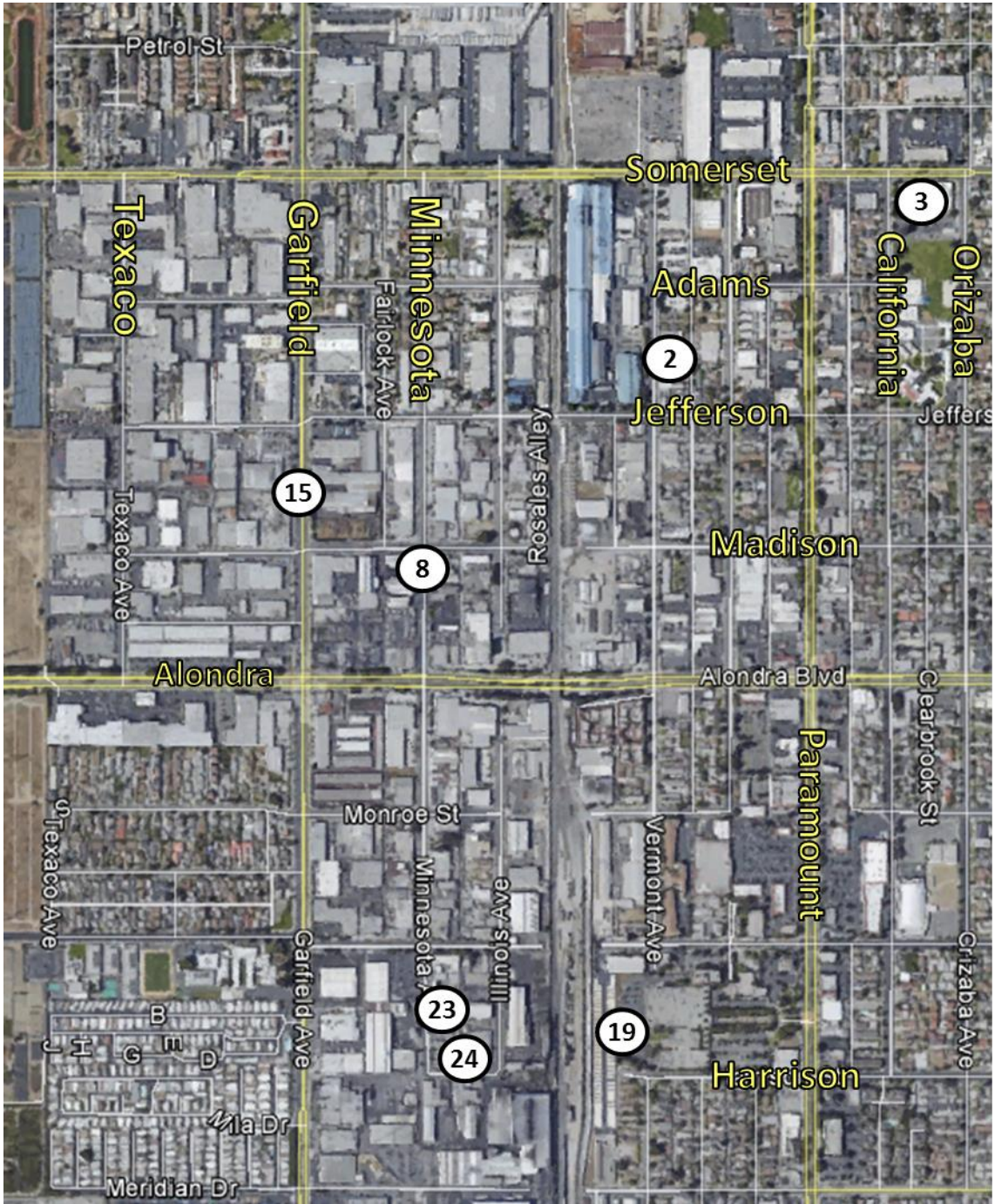
Monitoring Results for Metals at Sites #8, 15, 19, 23, and 24

In addition to hexavalent chromium monitoring, SCAQMD is collecting samples for the analysis of metals. The samples from these monitors are analyzed for a variety of metals to provide information about whether there are other emissions of concern. In general, sites were selected based on previous measurements of elevated levels of hexavalent chromium and based on proximity to facilities that were known to process various metals. The data from these samplers helps quantify the levels of specific metal air pollutants nearby facilities and may assist in identifying possible sources of concern, if any.

In the tables below, the average levels of each of the metals are compared to the average levels from SCAQMD's Multiple Air Toxics Exposure Study IV (MATES IV) <<http://www.aqmd.gov/home/library/air-quality-data-studies/health-studies/mates-iv>>. The MATES IV study provides a regional estimate of the "background" or expected levels of these air pollutants in 2012-2013 from 10 locations throughout the region. The purpose of these comparisons is to indicate whether the levels measured in the Paramount community were relatively consistent with air monitoring data across the region.

It is important to note that some metals are known air toxics, while other do not have known toxicity. Chronic non-cancer health effects are assessed based on the Reference Exposure Levels (REL's) established by the California Office of Environmental Health Hazard Assessment (OEHHA). Chronic REL's are determined such that long-term average exposures at levels below the REL are not expected to result in adverse non-cancer health effects. It should be noted that if a REL is exceeded, that does not mean that health effects will occur, but that the odds will increase that adverse health effects may occur. Cancer risk is estimated based on a methodology and potency of an individual toxic air contaminant established by OEHHA. There are no health-based thresholds (e.g. REL's) for carcinogenic compounds; instead, calculated cancer risks are generally compared to regulatory thresholds (e.g., where SCAQMD rules apply) or cancer risk due to background levels of air toxics in the region. The tables below indicate which metals have chronic REL's and cancer potency factors established by OEHHA. Note that "Cr" in the table below represents total chromium. Total chromium is comprised of one or several different forms of chrome such as trivalent chromium (which is not known to be toxic) and hexavalent chromium (which is known to be toxic). The hexavalent chromium levels are also being measured at these locations, and the results can be found on the SCAQMD Paramount website under Air Monitoring Results <<http://www.aqmd.gov/home/regulations/compliance/air-monitoring-activities>>.

The Tables below contain the "multi-metals" data for Sites #8, 15, 19, 23, and 24. The metal results for these sites are compiled by month and are analyzed at the SCAQMD laboratory using an Inductively Coupled Plasma Mass Spectrometer (ICP-MS). Additional multi-metal results for Sites # 2 and 3 can be found on the SCAQMD Paramount website under Air Monitoring Results <<http://www.aqmd.gov/home/regulations/compliance/air-monitoring-activities>>. The multi-metal measurements for Sites # 2 and 3 have been conducted since the middle of 2013 and are analyzed using X-ray fluorescence.



Site #8 - Multi-Metals Monitoring Results

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Teflon Filter[^]	MDL	1.00	0.31	0.17	0.14	0.1	43.4	0.14	41.7	0.42	0.69	0.69	0.14	0.42	0.59	0.35	1.04	0.17
12/20/2016	Site 8	ND	78.9	ND	0.2	1.1	*	44.6	890	43.1	4.0	4.9	0.7	5.0	4.7	7.3	38.7	1.3
12/25/2016	Site 8	ND	30.0	ND	0.2	0.1	58.0	19.6	214	4.0	ND	3.9	0.4	2.6	2.0	*	3.6	0.3
12/29/2016	Site 8	ND	85.7	ND	0.3	0.9	ND	52.0	986	27.7	5.8	6.8	1.0	6.8	5.5	8.6	57.3	1.8
Dec'16. Avg. (Teflon)[^]		ND	64.9	ND	0.2	0.7	58.0	38.7	697	24.9	4.9	5.2	0.7	4.8	4.1	8.0	33.2	1.1
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Teflon Filter[^]	MDL	1.00	0.31	0.17	0.14	0.1	43.4	0.14	41.7	0.42	0.69	0.69	0.14	0.42	0.59	0.35	1.04	0.17
01/01/2017	Site 8	ND	171	ND	0.4	0.2	63.1	77.2	247	6.2	0.9	12.6	1.0	8.1	3.8	*	44.0	0.6
01/04/2017	Site 8	ND	13.5	*	ND	0.2	ND	9.6	*	3.9	2.3	1.3	ND	1.6	1.1	1.2	*	0.9
01/07/2017	Site 8	ND	64.3	*	0.2	10.0	54.0	40.3	645	12.3	3.7	4.9	0.7	7.1	4.1	7.0	*	1.1
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
01/10/2017	Site 8	ND	43.5	ND	0.1	3.4	10.6	26.0	*	12.7	12.6	1.8	0.2	5.5	5.7	4.4	22.4	3.0
01/13/2017	Site 8	0.4	58.1	ND	0.1	ND	9.2	34.9	708	15.8	9.5	2.7	0.4	6.2	3.5	4.6	29.4	1.9
01/16/2017	Site 8	0.5	57.9	ND	0.2	ND	15.4	33.7	818	25.1	10.3	4.2	0.7	6.6	3.5	*	35.1	2.4
01/19/2017	Site 8	ND	19.8	ND	0.1	3.1	4.9	13.2	301	6.1	9.0	2.3	0.2	2.5	1.7	*	12.3	0.9
01/22/2017	Site 8	ND	12.9	ND	0.1	ND	5.3	11.5	*	2.2	2.2	0.9	0.2	1.5	2.0	*	*	0.5
01/25/2017	Site 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/28/2017	Site 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/31/2017	Site 8	ND	169	ND	ND	ND	11.2	96.5	2000	41.1	10.1	7.9	1.5	15.7	10.6	13.0	103	3.4
Jan'17. Avg. (Teflon)[^]		ND	82.9	ND	0.3	3.5	58.6	42.3	446	7.5	2.3	6.3	0.8	5.6	3.0	4.1	44.0	0.9
Jan'17. Avg. (Cellulose)		0.4	60.2	ND	0.1	3.2	9.4	36.0	957	17.2	8.9	3.3	0.5	6.3	4.5	7.3	40.5	2.0
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
02/03/2017	Site 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/06/2017	Site 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/09/2017	Site 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/12/2017	Site 8	0.5	66.4	ND	0.2	2.4	9.7	49.6	549	8.1	6.9	3.4	0.5	8.9	*	7.1	32.1	1.1
02/15/2017	Site 8	0.5	78.4	ND	0.1	3.9	8.0	45.5	995	20.0	9.4	4.1	0.9	7.3	*	7.9	48.3	1.7
02/18/2017	Site 8	ND	16.9	ND	ND	ND	4.7	11.4	236	4.6	2.3	0.9	0.2	2.1	*	3.0	9.4	0.4
02/21/2017	Site 8	0.5	69.7	ND	0.1	*	13.7	37.9	769	17.6	7.2	3.1	0.5	5.6	*	6.1	32.0	1.3
02/24/2017	Site 8	0.4	62.1	0.2	*	2.2	7.7	36.0	843	31.2	6.2	3.8	0.8	5.9	4.6	7.2	42.4	1.6
02/27/2017	Site 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Feb'17. Avg. (Cellulose)		0.5	58.7	0.2	0.1	2.9	8.8	36.1	678	16.3	6.4	3.0	0.6	6.0	4.6	6.3	32.8	1.2
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

ND: Non Detect, below MDL

NS: No sample; Means samplers were not operating due to a variety of reasons such as limited access, weather, samplers under repair, etc.

N/A: Means no monitor at this location to collect sample

INV: Invalid

*Note: Non-reportable due to QC failure

[^]Due to high background levels of metals in Teflon filters, the filter media was changed to Acid Washed Cellulose Acetate filters on 01/10/2017. Results may be biased high for Teflon samples

**Lead has no Chronic REL, but the National Ambient Air Quality Standard is 150 ng/m3 on a 90-day rolling average

Site #15 - Multi-Metals Monitoring Results

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Teflon Filter[^]	MDL	1.00	0.31	0.17	0.14	0.1	43.4	0.14	41.7	0.42	0.69	0.69	0.14	0.42	0.59	0.35	1.04	0.17
12/20/2016	Site 15	ND	121	ND	0.2	0.5	*	62.3	1390	80.9	3.9	5.4	1.2	10.5	8.4	10.9	69.2	1.8
12/25/2016	Site 15	ND	32.0	ND	ND	ND	58.4	20.8	216	3.5	0.7	3.4	0.3	2.6	2.2	*	3.5	0.2
12/29/2016	Site 15	ND	69.8	ND	0.2	0.39	62.8	38.7	817	20.1	2.7	5.5	0.9	5.1	4.3	7.7	47.0	1.4
Dec'16. Avg. (Teflon)[^]		ND	74.3	ND	0.2	0.4	60.6	40.6	808	34.8	2.4	4.8	0.8	6.1	4.9	9.3	39.9	1.2
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Teflon Filter[^]	MDL	1.00	0.31	0.17	0.14	0.1	43.4	0.14	41.7	0.42	0.69	0.69	0.14	0.42	0.59	0.35	1.04	0.17
01/01/2017	Site 15	ND	120	ND	0.3	0.1	44.7	56.7	257	5.0	1.1	7.9	0.7	5.6	2.9	*	31.1	0.5
01/04/2017	Site 15	ND	73.2	*	0.2	0.4	62.2	43.8	996	29.9	4.7	7.0	0.6	7.3	3.8	5.9	*	4.2
01/07/2017	Site 15	ND	99.9	*	0.2	0.9	43.6	64.0	851	24.2	3.3	9.5	0.9	10.2	5.1	15.7	*	1.3
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
01/10/2017	Site 15	0.4	57.2	ND	0.1	ND	*	33.6	708	13.8	3.6	2.8	0.3	6.7	5.9	4.9	34.2	2.6
01/13/2017	Site 15	0.4	86.3	ND	0.1	ND	7.9	46.2	977	21.1	5.4	3.3	0.5	8.3	4.7	5.5	40.1	1.6
01/16/2017	Site 15	0.4	67.5	ND	0.2	ND	5.9	39.0	825	27.1	5.6	4.6	0.7	7.8	4.1	*	39.3	1.4
01/19/2017	Site 15	ND	29.7	ND	0.2	3.3	5.7	18.3	325	6.4	5.6	2.5	0.2	3.3	2.2	*	17.9	1.9
01/22/2017	Site 15	ND	13.9	ND	ND	ND	4.3	10.0	*	1.9	2.0	0.6	ND	1.7	1.2	*	*	0.4
01/25/2017	Site 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/28/2017	Site 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/31/2017	Site 15	1.2	236	ND	0.3	ND	28.2	130	2680	63.7	9.0	9.5	2.0	21.1	13.0	16.3	129	3.8
Jan'17. Avg. (Teflon)[^]		ND	97.7	ND	0.2	0.5	50.2	54.8	701	19.7	3.1	8.1	0.7	7.7	4.0	10.8	31.1	2.0
Jan'17. Avg. (Cellulose)		0.6	81.8	ND	0.2	3.3	10.4	46.2	1103	22.3	5.2	3.9	0.7	8.2	5.2	8.9	52.1	1.9
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
02/03/2017	Site 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/06/2017	Site 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/09/2017	Site 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/12/2017	Site 15	0.4	74.6	ND	0.1	ND	6.1	52.5	751	9.5	2.8	4.4	0.5	9.1	*	7.1	33.7	0.8
02/15/2017	Site 15	0.5	96.1	ND	0.8	ND	12.1	58.9	1270	24.3	9.5	5.3	1.1	9.2	*	9.5	60.4	1.9
02/18/2017	Site 15	ND	23.6	ND	ND	ND	ND	16.4	234	6.5	1.6	0.9	0.2	2.6	*	2.7	12.2	0.4
02/21/2017	Site 15	0.5	80.4	ND	0.2	*	11.3	45.1	954	19.0	5.4	3.6	0.7	7.3	*	7.5	41.2	1.6
02/24/2017	Site 15	0.5	84.8	0.1	0.6	ND	7.2	46.7	1090	31.4	3.4	4.1	1.0	8.2	5.1	9.6	55.2	1.6
02/27/2017	Site 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Feb'17. Avg. (Cellulose)		0.5	71.9	0.1	0.4	ND	9.2	43.9	860	18.2	4.5	3.6	0.7	7.3	5.1	7.3	40.5	1.2
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

ND: Non Detect, below MDL

NS: No sample; Means samplers were not operating due to a variety of reasons such as limited access, weather, samplers under repair, etc.

N/A: Means no monitor at this location to collect sample

INV: Invalid

*Note: Non-reportable due to QC failure

[^]Due to high background levels of metals in Teflon filters, the filter media was changed to Acid Washed Cellulose Acetate filters on 01/10/2017. Results may be biased high for Teflon samples

**Lead has no Chronic REL, but the National Ambient Air Quality Standard is 150 ng/m3 on a 90-day rolling average

Site #19 - Multi-Metals Monitoring Results

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Teflon Filter^	MDL	1.00	0.31	0.17	0.14	0.1	43.4	0.14	41.7	0.42	0.69	0.69	0.14	0.42	0.59	0.35	1.04	0.17
12/20/2016	Site 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/25/2016	Site 19	ND	34.2	ND	0.2	0.1	65.9	21.4	209	4.1	0.7	4.8	0.4	3.2	2.4	*	3.8	0.3
12/29/2016	Site 19	ND	62.2	ND	0.1	0.8	ND	34.3	738	18.1	4.0	4.5	0.8	4.4	4.0	6.5	237	25.5
Dec'16. Avg. (Teflon)^		ND	48.2	ND	0.2	0.5	65.9	27.9	474	11.1	2.3	4.7	0.6	3.8	3.2	6.5	120	12.9
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Teflon Filter^	MDL	1.00	0.31	0.17	0.14	0.1	43.4	0.14	41.7	0.42	0.69	0.69	0.14	0.42	0.59	0.35	1.04	0.17
01/01/2017	Site 19	ND	156	ND	0.4	0.1	52.7	58.5	226	5.9	ND	10.5	0.8	7.2	3.3	*	40.1	0.5
01/04/2017	Site 19	ND	33.8	*	ND	0.2	ND	18.6	*	6.6	2.4	2.7	0.2	3.4	2.2	2.6	*	4.9
01/07/2017	Site 19	ND	65.3	*	0.2	0.5	59.1	40.5	879	12.0	2.1	4.9	0.8	7.1	4.1	7.0	*	1.6
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
01/10/2017	Site 19	ND	34.0	ND	0.1	ND	6.2	20.2	*	6.6	4.7	3.0	0.2	4.1	6.3	3.8	98.5	16.6
01/13/2017	Site 19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/16/2017	Site 19	0.4	44.2	ND	0.1	ND	5.7	26.6	597	14.2	5.7	3.2	0.6	6.6	3.1	*	175	26.1
01/19/2017	Site 19	ND	16.3	ND	0.1	2.6	6.1	*	258	6.0	5.6	1.8	0.2	1.6	2.5	*	221	27.6
01/22/2017	Site 19	ND	10.7	ND	ND	ND	6.5	7.9	*	2.0	3.7	0.6	ND	1.3	0.9	*	*	1.2
01/25/2017	Site 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/28/2017	Site 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/31/2017	Site 19	ND	139	ND	ND	ND	ND	80.0	1970	29.5	6.6	6.4	1.3	13.5	9.0	10.5	147	12.1
Jan'17. Avg. (Teflon)^		ND	85.1	ND	0.3	0.3	55.9	39.2	553	8.1	2.3	6.0	0.6	5.9	3.2	4.8	40.1	2.3
Jan'17. Avg. (Cellulose)		0.4	48.8	ND	0.1	2.6	6.1	33.7	942	11.7	5.3	3.0	0.6	5.4	4.3	7.2	160	16.7
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
02/03/2017	Site 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/06/2017	Site 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/09/2017	Site 19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/12/2017	Site 19	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/15/2017	Site 19	0.6	70.9	ND	0.2	4.4	20.0	52.3	1070	19.2	13.6	7.9	0.9	6.5	*	8.6	145	12.8
02/18/2017	Site 19	ND	13.6	ND	ND	ND	ND	9.5	170	2.4	2.8	0.7	0.2	1.4	*	2.5	28.7	1.9
02/21/2017	Site 19	0.5	55.3	ND	0.4	*	11.8	33.8	725	13.9	8.0	5.4	0.5	5.1	*	6.2	244	37.9
02/24/2017	Site 19	0.4	50.7	ND	*	2.7	8.8	30.1	716	14.2	4.8	2.8	0.7	4.8	11.1	5.9	262	25.6
02/27/2017	Site 19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Feb'17. Avg. (Cellulose)		0.5	47.6	ND	0.3	3.5	13.5	31.4	670	12.5	7.3	4.2	0.6	4.5	11.1	5.8	170	19.5
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
03/02/2017	Site 19	0.7	104	0.1	0.2	2.8	10.5	54.7	*	28.5	5.9	6.4	1.5	10.3	6.5	11.2	123	12.0
03/05/2017	Site 19	0.2	11.6	ND	ND	1.8	6.5	7.7	*	3.1	1.7	0.3	*	1.8	0.9	3.5	18.0	5.8
03/08/2017	Site 19	0.6	ND	*	0.2	2.3	14.1	48.0	*	24.5	12.6	4.7	1.3	7.9	11.5	10.3	232	*
03/11/2017	Site 19	0.5	ND	*	0.1	2.2	8.0	44.1	*	13.6	4.7	4.1	0.9	8.3	6.6	10.9	173	*
03/14/2017	Site 19	0.9	69.6	ND	0.2	2.5	14.3	31.3	1240	24.3	13.5	5.2	1.5	5.6	10.2	10.5	420	58.7
03/17/2017	Site 19	0.4	50.0	ND	0.1	2.4	7.3	23.6	747	13.2	6.7	2.9	0.8	3.8	6.4	6.2	164	13.0
03/20/2017	Site 19	0.7	*	ND	0.1	2.3	11.2	*	*	*	5.5	1.6	0.6	0.8	8.5	3.5	201	32.1
03/23/2017	Site 19	ND	*	ND	0.1	4.8	15.9	*	*	11.0	8.9	1.5	0.8	1.9	6.2	6.7	252	41.2
03/26/2017	Site 19	0.6	68.1	ND	0.1	2.0	10.3	38.2	1030	20.0	9.0	3.5	1.2	7.0	6.3	10.4	306	35.9
03/29/2017	Site 19	ND	17.2	ND	ND	ND	3.7	11.3	224	3.2	1.5	1.2	0.3	3.6	1.2	3.4	14	1.2
Mar'17. Avg. (Cellulose)		0.6	53.4	0.1	0.1	2.6	10.2	32.4	810	15.7	7.0	3.1	1.0	5.1	6.4	7.7	190	25.0
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
04/01/2017	Site 19	0.5	49.5	ND	0.1	2.4	6.8	27.8	826	15.5	4.6	2.7	1.2	5.0	3.2	9.2	291	25.0
04/04/2017	Site 19	0.5	38.3	ND	0.1	2.1	7.6	15.0	*	*	6.7	2.8	1.4	2.9	4.4	9.9	216	25.3
Apr'17. Avg. (Cellulose)		0.5	43.9	ND	0.1	2.3	7.2	21.4	826	15.5	5.7	2.8	1.3	4.0	3.8	9.6	254	25.2
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

ND: Non Detect, below MDL

NS: No sample; Means samplers were not operating due to a variety of reasons such as limited access, weather, samplers under repair, etc.

N/A: Means no monitor at this location to collect sample

INV: Invalid

*Note: Non-reportable due to QC failure

[^]Due to high background levels of metals in Teflon filters, the filter media was changed to Acid Washed Cellulose Acetate filters on 01/10/2017. Results may be biased high for Teflon samples

**Lead has no Chronic REL, but the National Ambient Air Quality Standard is 150 ng/m3 on a 90-day rolling average

Site #23 - Multi-Metals Monitoring Results

Sample Date	Site	As ng/m ³	Ba ng/m ³	Be ng/m ³	Cd ng/m ³	Co ng/m ³	Cr ng/m ³	Cu ng/m ³	Fe ng/m ³	Mn ng/m ³	Ni ng/m ³	Pb ng/m ³	Rb ng/m ³	Sb ng/m ³	Sn ng/m ³	Sr ng/m ³	Ti ng/m ³	V ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
02/18/2017	Site 23	ND	14.0	ND	ND	ND	4.6	10.9	188	2.6	4.1	0.6	0.2	1.5	*	2.7	63.9	6.6
02/21/2017	Site 23	0.5	58.2	ND	0.2	*	11.0	34.9	814	16.6	22.2	3.5	0.7	5.3	*	7.3	128	2.8
02/24/2017	Site 23	0.5	59.9	ND	*	3.3	9.4	36.3	884	17.5	11.9	3.2	0.8	4.0	*	7.1	127	9.9
02/27/2017	Site 23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Feb'17. Avg. (Cellulose)		0.5	44.0	ND	0.2	3.3	8.3	27.4	629	12.2	12.7	2.4	0.6	3.6	*	5.7	106	6.4
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As ng/m ³	Ba ng/m ³	Be ng/m ³	Cd ng/m ³	Co ng/m ³	Cr ng/m ³	Cu ng/m ³	Fe ng/m ³	Mn ng/m ³	Ni ng/m ³	Pb ng/m ³	Rb ng/m ³	Sb ng/m ³	Sn ng/m ³	Sr ng/m ³	Ti ng/m ³	V ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
03/02/2017	Site 23	0.9	116	0.1	0.2	3.6	14.1	62.9	*	32.8	16.1	7.8	1.5	13.5	7.3	12.2	101	7.0
03/05/2017	Site 23	0.2	10.8	ND	ND	1.6	5.6	7.9	*	3.8	3.1	*	0.2	1.1	0.7	3.4	10.8	1.3
03/08/2017	Site 23	0.8	*	0.1	0.3	3.1	19.4	55.2	*	29.1	46.4	5.7	1.6	9.4	7.9	12.5	100	*
03/11/2017	Site 23	0.5	*	ND	0.1	2.1	11.3	42.4	*	14.1	14.3	3.8	1.0	7.9	5.7	10.4	60.8	*
03/14/2017	Site 23	0.5	63.2	ND	0.2	3.2	19.3	30.5	1030	20.9	50.0	4.5	1.0	5.4	6.2	7.6	150	13.4
03/17/2017	Site 23	0.5	48.9	ND	0.1	3.9	13.7	24.6	743	14.1	34.3	2.9	0.8	3.7	3.4	6.3	114	10.1
03/20/2017	Site 23	0.4	*	0.1	0.2	2.5	17.4	*	*	12.6	33.6	1.9	0.7	1.0	1.1	4.8	49.3	4.9
03/23/2017	Site 23	ND	*	ND	0.1	22.1	26.1	*	*	9.9	68.3	1.3	0.4	1.8	2.9	4.8	46.5	5.8
03/26/2017	Site 23	0.7	68.5	0.1	0.2	4.7	27.6	40.1	1310	24.7	65.5	4.0	1.3	7.4	4.5	11.7	133	15.3
03/29/2017	Site 23	ND	17.7	ND	ND	ND	4.1	11.9	241	4.0	1.5	1.4	0.3	3.8	1.4	3.4	13.0	0.8
Mar'17. Avg. (Cellulose)		0.6	54.2	0.1	0.2	5.2	15.9	34.4	831	16.6	33.3	3.7	0.9	5.5	4.1	7.7	77.8	7.3
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As ng/m ³	Ba ng/m ³	Be ng/m ³	Cd ng/m ³	Co ng/m ³	Cr ng/m ³	Cu ng/m ³	Fe ng/m ³	Mn ng/m ³	Ni ng/m ³	Pb ng/m ³	Rb ng/m ³	Sb ng/m ³	Sn ng/m ³	Sr ng/m ³	Ti ng/m ³	V ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
04/01/2017	Site 23	0.4	50.9	ND	0.1	2.5	7.3	29.8	798	15.9	8.5	3.0	1.2	5.5	3.2	9.0	56.2	3.1
04/04/2017	Site 23	0.5	33.9	ND	0.1	2.9	13.2	15.5	*	*	56.5	2.8	1.0	2.8	7.6	7.6	129	5.6
04/07/2017	Site 23	ND	25.1	ND	0.1	2.3	15.1	*	*	*	45.1	2.5	0.8	1.7	2.2	7.0	114	8.1
Apr'17. Avg. (Cellulose)		0.5	36.6	ND	0.1	2.6	11.9	22.7	798	15.9	36.7	2.8	1.0	3.3	4.3	7.9	99.7	5.6
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	-	90	14	150**	-	-	-	-	-	-
Has OEHHHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

ND: Non Detect, below MDL

NS: No sample; Means samplers were not operating due to a variety of reasons such as limited access, weather, samplers under repair, etc.

N/A: Means no monitor at this location to collect sample

INV: Invalid

*Note: Non-reportable due to QC failure

**Lead has no Chronic REL, but the National Ambient Air Quality Standard is 150 ng/m3 on a 90-day rolling average

Site #24 - Multi-Metals Monitoring Results

Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
		ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³	ng/m ³
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
02/09/2017	Site 24	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/12/2017	Site 24	0.4	60.4	ND	0.1	ND	6.8	41.3	517	7.9	2.6	3.2	0.5	10.0	*	7.4	32.2	1.0
02/15/2017	Site 24	0.6	76.0	ND	0.3	4.0	13.1	48.2	1120	20.1	17.2	6.4	1.0	7.0	*	9.6	187	11.0
02/18/2017	Site 24	ND	14.1	ND	ND	*	4.6	11.8	194	2.6	3.2	0.7	0.2	1.6	*	3.0	112	10.6
02/21/2017	Site 24	0.4	62.0	ND	0.2	*	12.6	36.9	837	16.0	23.1	5.2	0.6	5.6	*	7.2	124	8.4
02/24/2017	Site 24	0.5	56.0	0.1	*	2.1	7.6	31.9	815	16.5	6.5	3.4	0.8	5.6	4.0	7.4	94.3	7.1
02/27/2017	Site 24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Feb'17. Avg. (Cellulose)		0.5	53.7	0.1	0.2	3.1	8.9	34.0	697	12.6	10.5	3.8	0.6	6.0	4.0	6.9	110	7.6
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	90	14	150**	-	-	-	-	-	-	-
Has OEHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
03/02/2017	Site 24	1.0	113	ND	0.2	3.4	12.0	58.7	*	34.2	10.9	7.3	1.8	11.8	7.6	14.7	313	26.0
03/05/2017	Site 24	0.1	11.1	ND	ND	1.6	3.7	7.0	*	3.0	2.7	0.3	*	1.3	0.8	3.7	15.6	2.2
03/08/2017	Site 24	1.5	ND	*	0.2	2.8	18.3	55.0	*	31.5	19.4	5.9	1.6	9.5	10.7	15.7	189	*
03/11/2017	Site 24	0.7	ND	*	0.1	2.2	11.0	44.8	*	16.0	6.0	4.0	1.0	8.3	6.2	11.0	82.5	*
03/14/2017	Site 24	0.6	65.7	ND	0.2	2.8	11.4	30.4	1090	20.9	16.0	4.6	1.1	5.4	6.8	8.7	116	11.2
03/17/2017	Site 24	0.6	50.0	ND	0.1	2.2	8.7	24.8	848	15.8	12.7	3.2	0.9	4.0	4.7	7.2	119	10.7
03/20/2017	Site 24	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/23/2017	Site 24	ND	*	ND	0.1	8.5	13.9	*	*	9.2	29.7	1.5	0.5	1.8	4.1	6.0	137	15.8
03/26/2017	Site 24	0.7	76.1	ND	0.1	2.4	13.9	41.2	1260	26.4	14.8	4.3	1.4	7.8	6.3	12.3	300	30.4
03/29/2017	Site 24	ND	19.7	ND	ND	ND	3.7	12.1	259	4.1	1.4	1.3	0.3	4.1	1.3	3.7	26.2	2.1
Mar'17. Avg. (Cellulose)		0.7	56.0	ND	0.1	3.2	10.7	34.2	864	17.9	12.6	3.6	1.1	6.0	5.4	9.2	144	14.1
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	90	14	150**	-	-	-	-	-	-	-
Has OEHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
Sample Date	Site	As	Ba	Be	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Rb	Sb	Sn	Sr	Ti	V
Cellulose Filter	MDL	0.35	3.47	0.07	0.07	2.08	3.61	0.69	50	0.69	1.04	0.14	0.14	0.14	0.35	2.43	3.12	0.21
04/01/2017	Site 24	0.4	53.1	ND	0.1	2.4	6.8	27.9	842	14.7	4.2	2.7	1.1	5.7	3.3	8.8	87.2	6.8
04/04/2017	Site 24	0.5	33.0	ND	0.1	ND	7.6	18.8	*	*	11.6	2.9	1.0	2.8	3.3	8.2	121	12.7
Apr'17. Avg. (Cellulose)		0.5	43.1	ND	0.1	2.4	7.2	23.4	842	14.7	7.9	2.8	1.1	4.3	3.3	8.5	104	9.8
MATES IV. Avg.		0.6	54.5	0.13	0.2	0.5	3.9	36.1	1443	22.5	3.8	6.2	1.4	4.3	5.5	13.3	73.2	3.4
Chronic REL (ng/m3)		15	-	7	20	-	-	-	90	14	150**	-	-	-	-	-	-	-
Has OEHA cancer potency factor		Y	N	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N

ND: Non Detect, below MDL

NS: No sample; Means samplers were not operating due to a variety of reasons such as limited access, weather, samplers under repair, etc.

N/A: Means no monitor at this location to collect sample

INV: Invalid

*Note: Non-reportable due to QC failure

**Lead has no Chronic REL, but the National Ambient Air Quality Standard is 150 ng/m3 on a 90-day rolling average