

Appendix M

2002 Metals Raw Monitoring Data

Denver, CO (DECO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	DECO 31153 5/8/2002	DECO 31154 5/14/2002	DECO 31155 5/20/2002	DECO 31157 6/1/2002	DECO 31158 6/7/2002	DECO 31159 6/13/2002	DECO 31160 6/19/2002	DECO 31161 6/25/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2098	4551	3166	3317	3001	2056	3593	2741
Arsenic	20	183	165	154	161	174	149	212	196
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	319	723	395	330	405	357	954	540
Cobalt	10	1981	2178	2119	1461	2016	1184	1994	1762
Chromium	100	9929	14759	9543	7146	9968	6748	14381	12789
Lead	100	21709	26004	66452	18368	19361	33293	25011	20685
Manganese	100	91408	92432	89517	88098	97318	111502	186598	130966
Mercury	0.5	55.2	98.5	48.9	52.0	49.6	45.7	86.7	82.7
Nickel	100	4005	5081	5242	4129	4459	3467	5436	5004
Selenium	25	1147	1975	2429	1935	1317	1524	1515	1322

ND = Not Detected

U = Under the Detection Limit

Denver, CO (DECO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	DECO 31177 7/1/2002	DECO 31178 7/7/2002	DECO 31179 7/13/2002	DECO 31180 7/19/2002	DECO 31181 7/25/2002	DECO 31182 7/31/2002	DECO 31183 8/6/2002	DECO 31184 8/12/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	4747	1522	4788	3163	2905	3653	2830	1978
Arsenic	20	165	56	134	165	210	134	91.6	190
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	912	125	381	350	1232	758	479	642
Cobalt	10	1539	471	1173	1418	2236	1356	1147	1858
Chromium	100	8526	5298	7584	7919	11048	7154	10142	8889
Lead	100	18337	7888	24160	23987	34845	16879	12710	32450
Manganese	100	126632	28336	74600	91329	117648	82425	55641	102755
Mercury	0.5	113	44.9	82.7	75.6	87.5	77.2	66.2	99.3
Nickel	100	4549	2042	3814	4180	5443	3946	3612	4431
Selenium	25	1652	2204	2087	1553	2082	1521	1622	1180

ND = Not Detected

U = Under the Detection Limit

Denver, CO (DECO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	DECO 31185 8/18/2002	DECO 31186 8/24/2002	DECO 31187 8/30/2002	DECO 31188 9/5/2002	DECO 31189 9/11/2002	DECO 31190 9/17/2002	DECO 31191 9/23/2002	DECO 31192 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	3592	2786	5197	5641	3399	4412	4927	3156
Arsenic	20	212	132	141	140	117	154	176	135
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	392	277	380	514	850	388	308	261
Cobalt	10	1592	1107	1648	1890	2482	2749	1675	791
Chromium	100	8030	6796	9306	7871	7975	7878	7951	6845
Lead	100	27533	19109	23151	18408	91802	21969	25051	13522
Manganese	100	145465	67571	82346	163825	77279	98106	99524	51795
Mercury	0.5	93.0	70.9	101	109	64.6	109	96.9	59.1
Nickel	100	4806	4000	4470	4317	3939	5208	4661	3297
Selenium	25	1944	2661	2121	2362	4547	1271	1475	1709

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27586 1/2/2002	G2CO 27587 D1 1/8/2002	G2CO 27588 D2 1/8/2002	G2CO 27589 1/14/2002	G2CO 27590 D1 1/20/2002	G2CO 27591 D2 1/20/2002	G2CO 27592 1/26/2002	G2CO 27593 D1 2/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1370	1625	1660	929	615	526	1117	429
Arsenic	20	3959	4489	4853	5053	2584	3196.9	3237	2154
Beryllium	5	134	133	141	174	45.6	45.7	63.6	26.8
Cadmium	50	2081	1542	1573	2170	656	813	979	549
Cobalt	10	1451	1702	1635	1892	604	576	927	375
Chromium	100	7262	8747	8676	7556	5868	4825	5875	4003
Lead	100	8195	20417	22805	15516	12419	12576	17643	3927
Manganese	100	104016	122061	124504	115048	41386	41874	56318	25358
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	11245	12064	14436	10094	4759	4343	4797	2816
Selenium	25	2175	1934	1744	867	1049	896	1126	1136

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27594 D2 2/1/2002	G2CO 27595 2/7/2002	G2CO 27596 D1 2/13/2002	G2CO 27597 D2 2/13/2002	G2CO 27598 2/19/2002	G2CO 27599 D1 2/25/2002	G2CO 27600 D2 2/25/2002	G2CO 27601 3/3/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	424	1615	1281	1261	757	1539	1463	336
Arsenic	20	2310	8101	4821	5269	2697	3675	4258	1905
Beryllium	5	32.2	169	198	182	62.6	110	129	26.1
Cadmium	50	574	1329	1385	1381	1789	2165	2180	431
Cobalt	10	414	1911	1933	1781	840	1178	1294	355
Chromium	100	4117	9227	8589	8235	6674	6984	7676	4113
Lead	100	3714	27336	21575	21331	16840	23774	24633	6037
Manganese	100	26831	117806	116545	119224	60597	77295	89832	22899
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	2994	11615	8203	8306	7317	5323	5889	2855
Selenium	25	1373	ND	21.9 U	641	1150	435	1194	927

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27602 D1 3/9/2002	G2CO 27603 D2 3/9/2002	G2CO 27604 3/15/2002	G2CO 27605 D1 3/21/2002	G2CO 27606 D2 3/21/2002	G2CO 27607 3/27/2002	G2CO 27618 D1 4/2/2002	G2CO 27619 D2 4/2/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	VOID	(ng/filter)
Antimony	10	488	869	751	381	347	983	1257	1356
Arsenic	20	2433.3	2574.4	3332	3303	3474	4065	3976	4361
Beryllium	5	54.9	53.6	139	66.6	64.7	116	142	135
Cadmium	50	523	637	717	798	898	1812	1855	2021
Cobalt	10	598	581	1140	659	667	1191	1516	1397
Chromium	100	4749	5046	10197	8865	8920	6987	21568	22710
Lead	100	9661	9338	11166	9188	9409	32048	37792	40968
Manganese	100	37091	40259	85498	82661	88414	82267	97791	99918
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	3451	4157	5852	8897	9488	8684	13987	13822
Selenium	25	1589	1429	1380	1919	1778	1501	1307	1662

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27620 4/8/2002	G2CO 27621 D1 4/14/2002	G2CO 27622 D2 4/14/2002	G2CO 27623 4/20/2002	G2CO 27626 FB 4/24/2002	G2CO 27624 D1 4/26/2002	G2CO 27625 D2 4/26/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	792	413	391	430	14.9	602	674
Arsenic	20	4548	2772	3215	3039	378	3626	3318
Beryllium	5	132	67.1	57.4	97.3	ND	155	178
Cadmium	50	992	560	614	1026	ND	942	1007
Cobalt	10	1300	623	580	841	38.2	1481	1474
Chromium	100	8432	4975	4404	6158	2519	9259	9212
Lead	100	16832	8463	5678	11670	ND	11095	11859
Manganese	100	86050	40023	38250	60124	696	101967	99130
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND
Nickel	100	11268	3695	4000	4882	1411	11174	11394
Selenium	25	1057	4861	5438	1593	397	2340	2615

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	GJCO 27571 1/2/2002	GJCO 27572 1/8/2002	GJCO 27608 FB 1/11/2002	GJCO 27573 1/14/2002	GJCO 27574 1/20/2002	GJCO 27575 1/26/2002	GJCO 27609 FB 1/26/2002	GJCO 27576 2/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1704	2242	175	1333	1053	1796	18.4	1927
Arsenic	20	1895	2045	ND	3023	1823	1884	91.0	2627
Beryllium	5	25.3	33.9	ND	53.3	16.0	26.8	ND	36.5
Cadmium	50	293	641	ND	946	520	591	53.5	427
Cobalt	10	457	710	37.2	680	291	384	40.1	531
Chromium	100	3384	4407	2577	6639	4171	4436	2604	4398
Lead	100	4559	9432	ND	10622	5488	17312	ND	6796
Manganese	100	13963	24467	496	32198	14736	22048	437	21568
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	2162	3217	1411	4892	2667	2980	1632	2957
Selenium	25	484	2740	205	251	1025	1251	346	451

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site ERG Filter ID Date		GJCO 27577 2/7/2002	GJCO 27610 FB 2/7/2002	GJCO 27578 2/13/2002	GJCO 27579 2/19/2002	GJCO 27580 2/25/2002	GJCO 27581 3/3/2002	GJCO 27582 3/9/2002	GJCO 27611 FB 3/9/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2618	19.0	2274	2038	630	1078	1059	42.6
Arsenic	20	2278	ND	2163	3009	1650	1667	1872	357
Beryllium	5	56.9	ND	63.5	53.7	16.3	40.6	32.0	ND
Cadmium	50	547	ND	625	624	403	446	442	ND
Cobalt	10	676	59.5	719	683	315	534	435	45.8
Chromium	100	4824	2391	5053	5536	3714	5581	3953	2541
Lead	100	14688	ND	8904	11308	5366	3920	5317	ND
Manganese	100	33726	419	37997	35499	14452	26540	19527	508
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	3408	2037	3506	4057	2581	2929	2600	1712
Selenium	25	371	421	276	3091	816	263	1538	210

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site ERG Filter ID Date		GJCO 27583 3/15/2002	GJCO 27584 3/21/2002	GJCO 27612 FB 3/21/2002	GJCO 27585 3/27/2002	GJCO 27613 4/2/2002	GJCO 27614 4/8/2002	GJCO 27615 4/14/2002	GJCO 27616 4/20/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	VOID	(ng/filter)
Antimony	10	1333	38974	16.0	31882	1049	702	734	653
Arsenic	20	2313	1781	316	2808	2931	2415	1980	1928
Beryllium	5	51.8	1595	ND	1847	98.7	46.4	54.1	95.4
Cadmium	50	473	560	ND	694	701	425	563	533
Cobalt	10	637	16390	29.7	18368	860	528	543	844
Chromium	100	4712	4915	3747	5295	5255	4382	4146	4706
Lead	100	5867	6657	ND	8416	9495	6447	5642	9897
Manganese	100	29290	28321	350	40826	52670	28660	32757	54128
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	3218	3662	1857	3823	4340	3275	3346	3795
Selenium	25	1694	1277	592	1087	1656	448	3699	1308

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site		GJCO
ERG Filter ID		27617
Date	MDL	4/26/2002
Units	(ng/filter)	(ng/filter)
Antimony	10	657
Arsenic	20	1901
Beryllium	5	81.0
Cadmium	50	458
Cobalt	10	670
Chromium	100	5298
Lead	100	5258
Manganese	100	45066
Mercury	0.5	ND
Nickel	100	3495
Selenium	25	2057

ND = Not Detected

U = Under the Detection Limit

Denver, CO (SWCO) 2002 Metals Final Data Report

Site ERG Filter ID Date		SWCO 31216 7/1/2002	SWCO 31217 7/7/2002	SWCO 31218 7/13/2002	SWCO 31219 7/19/2002	SWCO 31220 7/25/2002	SWCO 31221 7/31/2002	SWCO 31222 8/6/2002	SWCO 31223 8/12/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2724	1128	6198	2071	1764	3981	3212	1049
Arsenic	20	187	62	141	167	239	204.3	146	245
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	659	ND	417	485	782	749	962	ND
Cobalt	10	1666	485	1023	1176	1911	1668	1362	1085
Chromium	100	7070	4331	6234	6473	7514	8550	7505	5994
Lead	100	26910	22434	23900	56791	24121	97239	25460	23955
Manganese	100	159018	30716	78564	92984	131360	129074	87074	82819
Mercury	0.5	98.5	34.7	51.2	56.7	87.5	94.6	80.4	82.0
Nickel	100	4626	2106	3289	4224	4893	5284	4429	3349
Selenium	25	2061	2570	2418	1794	1914	2628	2906	1285

ND = Not Detected

U = Under the Detection Limit

Denver, CO (SWCO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWCO 31224 8/18/2002	SWCO 31225 8/24/2002	SWCO 31226 8/30/2002	SWCO 31227 9/5/2002	SWCO 31228 9/11/2002	SWCO 31229 9/17/2002	SWCO 31230 9/23/2002	SWCO 31231 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2991	1192	4447	4290	1168	2243	2966	3139
Arsenic	20	289	154	133	155	123	166	192	114
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	772	794	550	601	478	832	860	472
Cobalt	10	2047	1087	1533	1277	1113	1386	1489	913
Chromium	100	7499	5626	8715	8274	5648	7376	7855	6592
Lead	100	60069	28076	18691	18400	153975	41000	52276	113708
Manganese	100	202201	81322	95900	120012	75207	107877	118200	71992
Mercury	0.5	87.5	64.6	81.2	63.8	51.2	68.6	2.21	2.13
Nickel	100	6443	3569	5146	4747	3760	4927	5078	3598
Selenium	25	2320	3572	2451	1748	4924	1414	1782	1785

ND = Not Detected

U = Under the Detection Limit

Denver, CO (SWCO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWCO TB 31232 9/29/2002	SWCO TB 31233 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	ND	ND
Arsenic	20	ND	ND
Beryllium	5	ND	ND
Cadmium	50	ND	ND
Cobalt	10	ND	ND
Chromium	100	2548	2673
Lead	100	ND0	ND0
Manganese	100	ND	ND
Mercury	0.5	ND	ND
Nickel	100	ND	ND
Selenium	25	ND	ND

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28509 5/7/2001	SWMI 28510 5/19/2001	SWMI 28495 6/6/2001	SWMI 28511 6/12/2001	SWMI 28496 6/24/2001	SWMI 28512 7/6/2001	SWMI 28497 7/18/2001	SWMI 28513 7/30/2001
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1221	4026	2873	2244	2487	2259	1359	3438
Arsenic	20	2031	1995	1626	1563	3788	2356.0	1636	1671
Beryllium	25	80.2	52.7	81.1	90.6	74.0	68.8	61.2	54.5
Cadmium	50	736	598	991	1136	661	627	735	2348
Chromium	100	6637	21828	29423	8233	5997	6941	8267	5586
Cobalt	10	704	324	1076	676	323	393	616	359
Lead	100	22902	62063	70109	37337	18570	28807	25107	29028
Manganese	100	131373	219852	527503	168979	83319	142163	92714	65865
Mercury	0.02	ND	0.03	0.06	ND	0.08	ND	0.11	ND
Nickel	100	2931	3011	10268	3203	2118	2184	5047	4438
Selenium	25	1647	580	673	327	499	1461	1426	1847

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28498 9/4/2001	SWMI 28514 9/16/2001	SWMI 28499 9/28/2001	SWMI 28515 10/10/2001	SWMI 28500 10/22/2001	SWMI 29516 11/3/2001	SWMI 28501 11/15/2001	SWMI 28517 11/27/2001
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1904	3575	1831	1168	208	3369	3006	1828
Arsenic	20	855	5814	1014	1826	130	2797	1406	1492
Beryllium	25	60.6	51.1	74.9	66.2	ND	65.9	53.1	50.1
Cadmium	50	330	606	338	762	ND	836	1191	818
Chromium	100	6368	4571	9705	6623	6760	9663	4174	3806
Cobalt	10	347	290	286	279	68	370	260	217
Lead	100	11779	15261	25313	25989	15822	22163	9200	10324
Manganese	100	70139	51706	125758	145798	66694	105128	42600	51217
Mercury	0.02	0.14	0.16	0.08	ND	0.08	0.10	0.08	0.11
Nickel	100	2349	3708	2005	2112	1413	3197	1868	2413
Selenium	25	127	615	57.3	2631	15.0 U	451	1522	2384

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28502 12/9/2001	SWMI 28518 12/21/2001	SWMI 28503 1/2/2002	SWMI 28519 1/14/2002	SWMI 28504 1/26/2002	SWMI 28520 2/7/2002	SWMI 28505 2/19/2002	SWMI 28506 3/15/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	883	4979	2622	3065	1169	2344	1790	2005
Arsenic	20	957.0	1096.0	1041	1512	1554	970	1475	1481
Beryllium	25	38.9	81.6	95.9	54.8	58.1	61.8	72.2	67.2
Cadmium	50	213	569	718	719	2191	749	428	1066
Chromium	100	2677	9447	7766	4737	4316	3846	3429	12495
Cobalt	10	92	369	190	176	248	202	160	441
Lead	100	3291	22404	29712	15904	12703	7626	9554	31401
Manganese	100	17052	154747	181131	49307	52827	63941	71020	213903
Mercury	0.02	0.14	0.18	0.20	0.16	0.17	0.14	0.18	0.21
Nickel	100	1065	2578	1660	2493	1295	1673	1197	3478
Selenium	25	602	ND	122	2265	1262	458	2765	1032

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28507 4/8/2002	SWMI 28508 4/14/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1492	1702
Arsenic	20	2029	2522
Beryllium	25	58.1	41.4
Cadmium	50	733	1237
Chromium	100	3207	5207
Cobalt	10	154	282
Lead	100	11157	17847
Manganese	100	38794	62656
Mercury	0.02	0.10	0.12
Nickel	100	2306	3297
Selenium	25	3830	4244

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO D1 31162 5/8/2002	WECO D2 31163 5/8/2002	WECO 31164 5/14/2002	WECO D1 31165 5/20/2002	WECO D2 31166 5/20/2002	WECO 31167 5/26/2002	WECO D1 31168 6/1/2002	WECO D2 31169 6/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	468	388	2541	1602	1442	1235	1710	1655
Arsenic	20	171	164	181	140	157	64.1	165	190
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	212	420	399	359	509	1000	261	319
Chromium	10	1384	1190	1783	1099	1221	559	1251	1411
Cobalt	100	4787	4397	7683	5514	5046	4658	5560	5627
Lead	100	7703	5369	40204	40440	31591	59265	23498	21607
Manganese	100	82110	78422	114654	78170	86444	35090	89123	103228
Mercury	0.5	44.1	43.3	44.9	38.6	35.5	22.9	24.4	44.9
Nickel	100	3465	3349	6058	3777	3916	2444	3878	4224
Selenium	25	1088	1017	2202	2275	2199	1136	1804	1875

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO 31170 6/7/2002	WECO D1 31171 6/13/2002	WECO D2 31172 6/13/2002	WECO 31173 6/19/2002	WECO D1 31174 6/25/2002	WECO D2 31175 6/25/2002	WECO TB 31176 6/25/2002	WECO 31193 7/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1488	392	372	1051	1348	1276	ND	2330
Arsenic	20	168	139	146	195	217	225	ND	246
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	265	178	264	326	446	517	ND	580
Chromium	10	1243	923	979	1436	1568	1600	ND	18006
Cobalt	100	5771	4031	4114	5705	5708	5570	2419	6630
Lead	100	63245	5695	4922	15973	16130	14318	ND	51709
Manganese	100	93614	91960	94324	135930	133093	134984	ND	164534
Mercury	0.5	53.6	39.4	21.3	60.7	51.2	81.2	ND	134
Nickel	100	4136	2620	2965	4020	4728	4901	ND	5905
Selenium	25	1488	1546	1582	1569	1856	1721	ND	1751

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO D1 31194 7/7/2002	WECO D2 31195 7/7/2002	WECO D1 31197 7/19/2002	WECO D2 31198 7/19/2002	WECO 31199 7/25/2002	WECO D1 31200 7/31/2002	WECO D2 31201 7/31/2002	WECO 31202 8/6/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	VOID	(ng/filter)
Antimony	10	853	774	1323	1117	1299	1417		2289
Arsenic	20	61.8	60.5	190	156	366	173		149
Beryllium	5	ND	ND	ND	ND	ND	ND		ND
Cadmium	50	105	148	243	214	767	362		1009
Chromium	10	463	443	1405	1118	2647	1317		1294
Cobalt	100	3578	3559	5606	5012	7221	5437		6584
Lead	100	8747	7287	11639	8463	83843	36784		54522
Manganese	100	30890	27194	110478	87074	215360	96057		92748
Mercury	0.5	52.0	30.7	71.7	40.2	97.7	78.0		92.2
Nickel	100	1898	4849	3660	2990	6269	3432		4061
Selenium	25	1947	1920	1626	1485	2837	1346		3174

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO D1 31203 8/12/2002	WECO D2 31204 8/12/2002	WECO 31205 8/18/2002	WECO D1 31206 8/24/2002	WECO D2 31207 8/24/2002	WECO 31208 8/30/2002	WECO D1 31209 9/5/2002	WECO D2 31210 9/5/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	618	629	2628	987	913	2001	2971	2538
Arsenic	20	362	372	390	189	168	107	185	177
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	500	553	546	263	330	266	449	459
Chromium	10	2303	2355	2690	1217	1132	1024	1727	1701
Cobalt	100	5951	5929	7582	4848	4644	5496	7762	6668
Lead	100	18274	18258	34664	12182	11079	22560	23758	20283
Manganese	100	193533	203225	275012	98500	91566	75041	136876	132620
Mercury	0.5	138	156	125	60.7	67.8	71.7	96.9	79.6
Nickel	100	5284	5451	6530	3507	3483	3627	5076	4581
Selenium	25	1617	1647	2580	2926	2858	2914	2407	2143

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO 31211 9/11/2002	WECO D1 31212 9/17/2002	WECO D2 31213 9/17/2002	WECO 31214 9/23/2002	WECO 31215 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	963	1283	1049	1675	1905
Arsenic	20	94.4	169	139	203	83.9
Beryllium	5	ND	ND	ND	ND	ND
Cadmium	50	ND	ND	ND	ND	ND
Chromium	10	750	1536	1085	1410	723
Cobalt	100	4079	5521	5050	6098	4414
Lead	100	7086	30338	23955	13900	32647
Manganese	100	50203	104410	82819	103543	48092
Mercury	0.5	28.4	53.6	54.4	60.7	35.5
Nickel	100	2552	4005	3349	4101	2463
Selenium	25	4899	1608	1285	1298	1853

ND = Not Detected

U = Under the Detection Limit

Appendix N

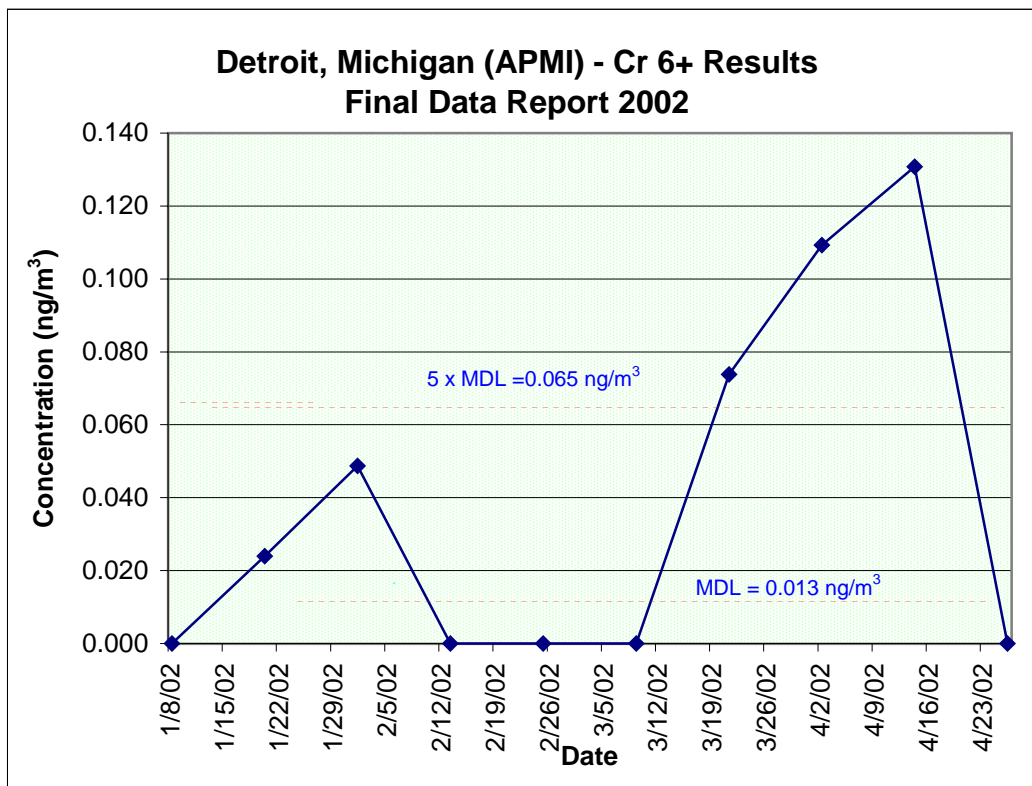
2002 Hexavalent Chromium Raw Monitoring Data

Detroit, Michigan (Allen Park - APMI)

Hexavalent Chromium Results (Final Data Report - 2002)

ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)
25033	1/8/02	ND	ND
25273	1/20/02	0.312	0.024
25537	2/1/02	0.633	0.049
25707	2/13/02	ND	ND
26005	2/25/02	ND	ND
26246	3/9/02	ND	ND
26485	3/21/02	0.96	0.074
26563	4/2/02	1.42	0.11
26823	4/14/02	1.70	0.13
27084	4/26/02	ND	ND

* Wet filter

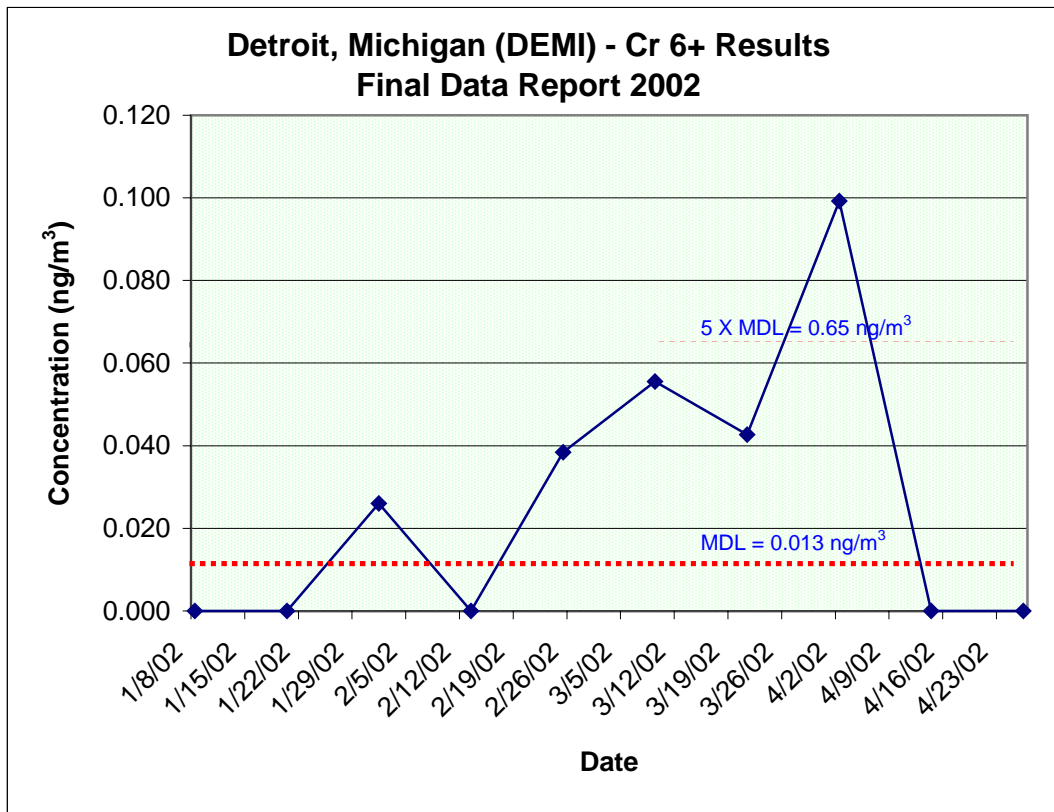


Detroit, Michigan (Dearborn - DEMI)

Hexavalent Chromium Results

(Final Data Report - 2002)

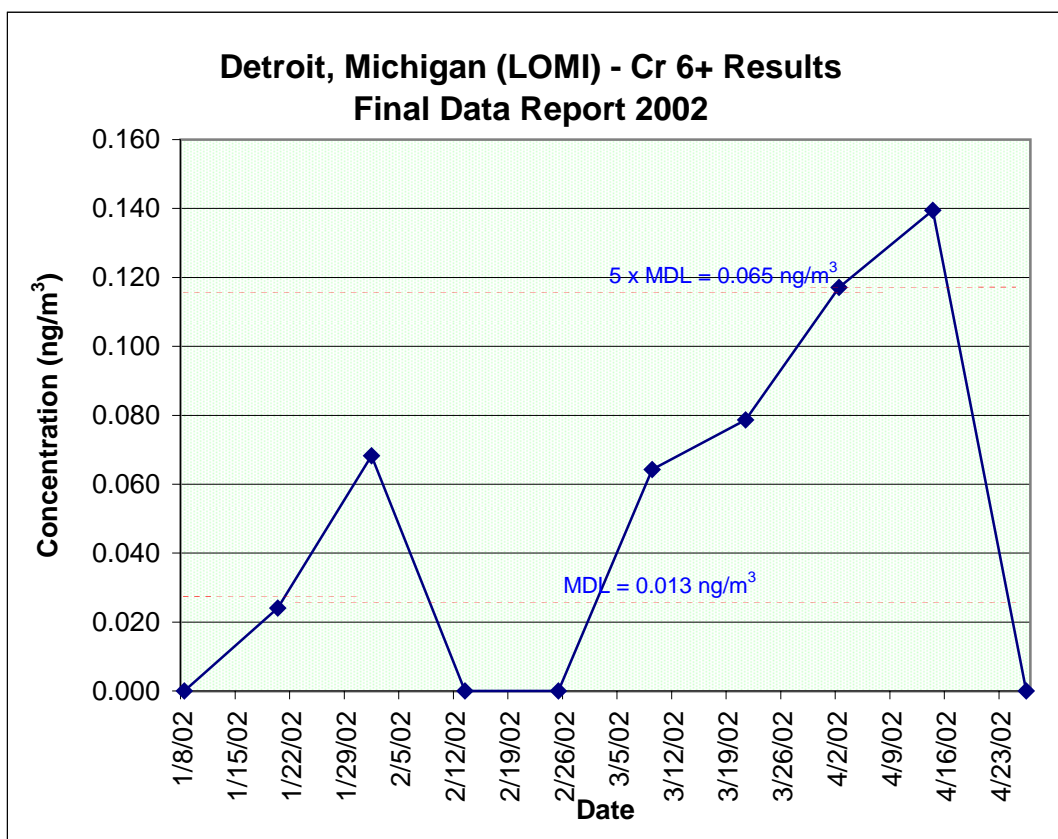
ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)
25035	1/8/02	ND	ND
25276	1/20/02	ND	ND
25536	2/1/02	0.340	0.026
25705	2/13/02	ND	ND
26002	2/25/02	0.502	0.038
26247	3/9/02	0.73	0.056
26483	3/21/02	0.56	0.043
26562	4/2/02	1.29	0.10
26824	4/14/02	ND	ND
27085	4/26/02	ND	ND
25034 Field Blank	1/8/02	ND	ND



Detroit, Michigan (Lodge/696 - LOMI)

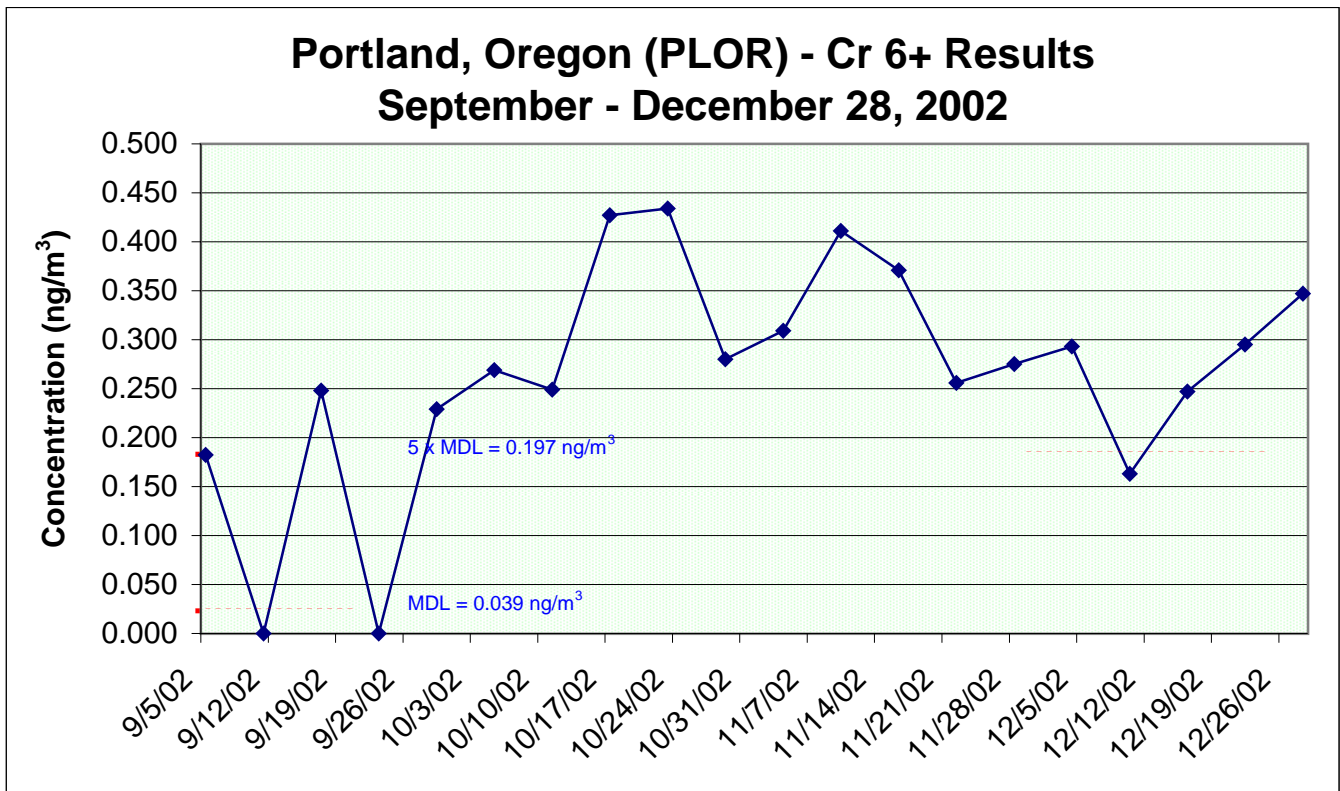
Hexavalent Chromium Results (Final Data Report - 2002)

ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)
25032	1/8/02	ND	ND
25277	1/20/02	0.312	0.024
25539	2/1/02	0.886	0.068
25706	2/13/02	ND	ND
26007	2/25/02	ND	ND
26248	3/9/02	0.834	0.064
26484	3/21/02	1.021	0.079
26561	4/2/02	1.52	0.12
26825	4/14/02	1.81	0.14
27086	4/26/02	ND	ND
25708 Field Blank	2/13/02	1.013	0.078
26006 Filed Blank	2/25/02	ND	ND



**Portland, Oregon (PLOR)
Hexavalent Chromium Results
(2002 Final Data Report)**

	ERG ID	Date	Concentration (ng/m ³)
	29733	9/5/02	0.182
	29905	9/11/02	ND
	29903	9/17/02	0.248
	30071	9/23/02	ND
	30072	9/29/02	0.229
	30197	10/5/02	0.269
	30196	10/11/02	0.249
	30380	10/17/02	0.427
	30381	10/23/02	0.434
	30610	10/29/02	0.280
	30611	11/4/02	0.309
	30612	11/10/02	0.411
	31007	11/16/02	0.371
	31008	11/22/02	0.256
	31009	11/28/02	0.275
	31010	12/4/02	0.293
	31333	12/10/02	0.163
	31334	12/16/02	0.247
	31335	12/22/02	0.295
	31336	12/28/02	0.347
Field Blank	29904	9/11/02	ND
Field Blank	30609	10/29/02	0.174

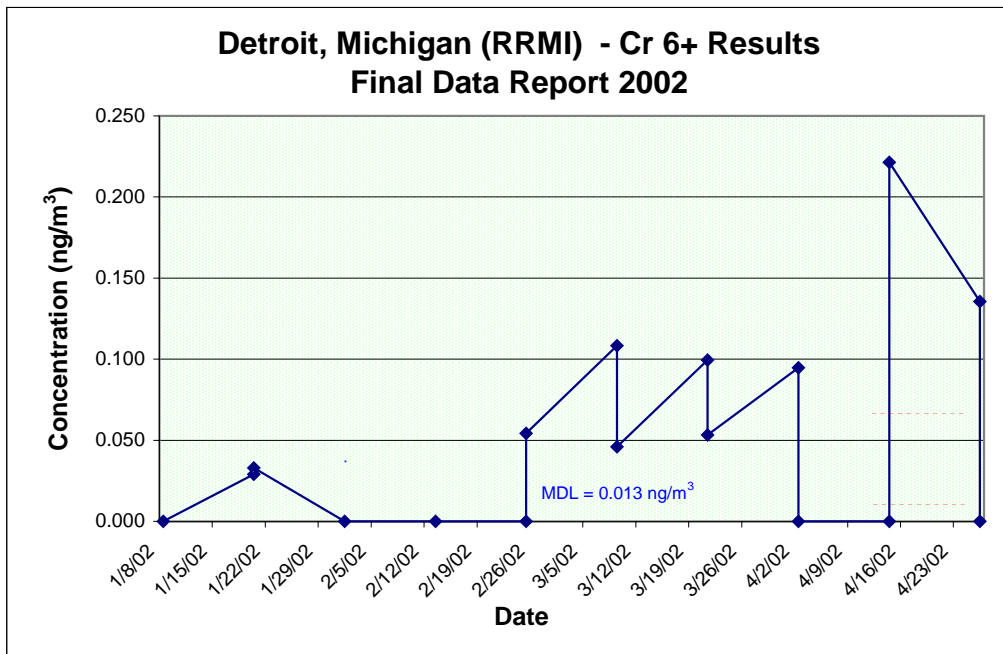


Detroit, Michigan (River Rouge - RRM1)

Hexavalent Chromium Results

(2002 Final Data Report)

Duplicate Results	ERG ID	Date	Concentration (total ng)	Concentration (ng/m3)	% RPD
	25036 D1	1/8/02	ND	ND	
	25037 D2	1/8/02	ND	ND	NA
	25274 D1	1/20/02	0.376	0.029	
	25275 D2	1/20/02	0.428	0.033	13.92
	25534 D1	2/1/02	VOID	VOID	
	25535 D2	2/1/02	VOID	VOID	NA
	25703 D1	2/13/02	ND	ND	
	25704 D2	2/13/02	ND	ND	NA
	26003 D1	2/25/02	ND	ND	
	26004 D2	2/25/02	0.703	0.054	NA
	26249 D1	3/9/02	1.405	0.108	
	26250 D2	3/9/02	0.60	0.046	57.52
	26486 D1	3/21/02	1.29	0.100	
	26487 D2	3/21/02	0.693	0.053	46.40
	26564 D1	4/2/02	1.23	0.09	
	26565 D2	4/2/02	ND	ND	NA
	26826 D1	4/14/02	ND	ND	
	26827 D2	4/14/02	2.87	0.22	NA
	27082 D1	4/26/02	1.76	0.14	
	27083 D2	4/26/02	ND	ND	NA



Detroit, Michigan
(Yellow Freight - YFMI)
Hexavalent Chromium Results
(Final Data Report - 2002)

ERG ID	Date	Blank Corrected Concentration (total ng)
25538 Field Blank	2/1/02	1.669