Appendix C

ARB Laboratory Results

Chromium Source Testing Results: FINAL
Project: Sherm's Plating, Sacramento
Sample Collection: March 2004

Probes and Impingers

Sample ID	*ml of sample collected*	*Total Cr ng/ml*	Total Cr ng recovered	*Cr(VI) ng/ml*	Cr(VI) ng recovered
S1-I1	126.2	3.5	440	3.1	390
S1-I2	115.7	<1.0	<120	0.2	23
S1-P	85.7	230	19000	220	19000
S2-I1	101.5	5.9	600	4.8	490
S2-I2	105.6	<1.0	<110	<0.2	<21
S2-P	92.9	230	22000	230	21000
S3-I1	120.1	6.1	730	5.5	660
S3-I2	110.3	<1.0	<110	0.3	33
S3-P	104.6	210	22000	220	23000
SB-I1	101.2	<1.0	<100	<0.2	<20
SB-I2	100.7	<1.0	<100	<0.2	<20
SB-P	99.3	<1.0	<100	0.3	30
SP-I1	88.8	<1.0	<89	0.2	18
SP-I2	101.4	<1.0	<100	<0.2	<20
SP-P	50.5	<1.0	<51	0.6	30

The Limit of Detection (LOD) for Cr by GFAA is 1.0 ng/ml. The LOD for Cr(VI) by IC is 0.2 ng/ml.

Filters

Filter ID	*Air Volume liters*	*Cr(VI) ng/ml*	Cr(VI) ng recovered	Cr(VI) ng/m3
S-1A	3000	13.0	200	67
S-2A	3350	8.7	130	39
S-3A	3000	13	190	65
S11-A	3930	26.0	390	100
S12-A	4170	58.0	870	210
S13-A	3400	27.0	410	120

Extraction volume = 15 ml.

Laboratory Results with Test Totals Calculated

Chromium Source Testing Results
Project: Sherm's Plating, Sacramento
Sample Collection: March 2004

Probes and Impingers

Sample ID	*ml of sample collected*	*Total Cr ng/ml*	Total Cr ng recovered	*Cr(VI) ng/ml*	Cr(VI) ng recovered	Cr (VI) as % of Total Cr
S1-I1	126.2	3.5	440	3.1	390	88.6%
S1-I2	115.7	<1.0	<120	0.2	23	NA
S1-P	85.7	230	19000	220	19000	100.0%
		Totals:	19440		19413	99.9%
S2-I1	101.5	5.9	600	4.8	490	81.7%
S2-I2	105.6	<1.0	<110	<0.2	<21	NA
S2-P	92.9	230	22000	230	21000	95.5%
		Totals:	22600		21490	95.1%
S3-I1	120.1	6.1	730	5.5	660	90.4%
S3-I2	110.3	<1.0	<110	0.3	33	NA
S3-P	104.6	210	22000	220	23000	104.5%
		Totals:	22730		23693	104.2%
SB-I1	101.2	<1.0	<100	<0.2	<20	NA
SB-I2	100.7	<1.0	<100	<0.2	<20	NA
SB-P	99.3	<1.0	<100	0.3	30	NA
		Totals:	<300		<70	NA
SP-I1	88.8	<1.0	<89	0.2	18	NA
SP-I2	101.4	<1.0	<100	<0.2	<20	NA
SP-P	50.5	<1.0	<51	0.6	30	NA
		Totals:	<240		<68	NA

The Limit of Detection (LOD) for Cr by GFAA is 1.0 ng/ml. The LOD for Cr(VI) by IC is 0.2 ng/ml.