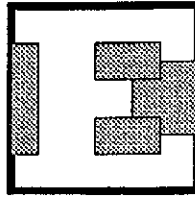


11/17/97  
11/17/97  
97 JUN 14 PM 3:23



**Electro-  
Coatings  
Inc.**

Electro-Coatings Inc.  
893 Carleton Street  
Berkeley, CA 94710  
Tel: 510/284-8332  
Fax: 510/284-7068

5/26/97

Susan L. Hugo  
Alameda County Dept. of Environmental Health  
Environmental Protection Division  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577

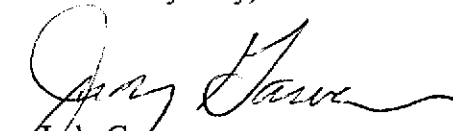
RE: Results of Quarterly Groundwater Sampling at 1401 and 1421 Park Avenue  
April 8, 1997

Dear Susan:

Enclosed is one copy of the subject report which was prepared for Electro-Coatings by Geraghty & Miller Inc. The next quarterly sampling event is scheduled for July 1997.

As you know, the remediation project is on schedule, all 85 injection points were installed and the injections were made in April. The quarterly sampling reported in the attached report took place prior to the injections, but you will note the positive effects of the pilot test in MW10 and MW12.

Yours very truly,

  
Judy Garvens  
Administrative Manager

cc: Mr. Sum Arigala, RWQCB

April 24, 1997  
Project No. RC0310.002

Ms. Judy Garvens  
Administrative Manager  
Electro-Coatings Inc.  
893 Carleton Street  
Berkeley, California 94710

**SUBJECT: Quarterly Groundwater Sampling Results, 1401 and 1421 Park Avenue, Emeryville, California.**

Dear Ms. Garvens:

This letter presents the results of the quarterly groundwater sampling activities performed on behalf of Electro-Coatings, Inc. (ECI) at the site referenced above. The scope of work for the quarterly sampling was presented in the Geraghty & Miller letter dated November 13, 1996.

#### **FIELD ACTIVITIES AND LABORATORY ANALYSIS**

Monitoring Wells MW-3A, MW-9, MW-11, MW-12, MW-13, and MW-20 were sampled on April 7, 1997 and Monitoring Wells MW-1, MW-4, MW-6, MW-10, MW-14, MW-16, and MW-17 were sampled on April 8, 1997 as part of the quarterly groundwater monitoring program. Prior to purging, depth to water and total well depth measurements were obtained from each well. The wells were then purged of at least three casing volumes of water. The well purging was accomplished using an aboveground diaphragm pump. New polyethylene tubing was used for each well. The purged water was monitored for temperature, pH, and specific conductance. A summary of the field data is presented in Table 1. Depth-to-water and groundwater elevation data are presented in Table 2.

Following purging, groundwater samples were collected using a new polyethylene bailer for each well. The water samples were collected into the appropriate USEPA-approved containers, placed on ice, and transported to Sequoia Analytical Laboratory in Walnut Creek, California, along with chain-of-custody documentation.



## RESULTS

### Depth to Water and Groundwater Elevations

Depth to water ranged from 2.63 feet below ground surface (Well MW-20) to 6.92 feet below ground surface (Well MW-13). A summary of depth to water and groundwater elevations is presented in Table 2. The groundwater elevations and a groundwater contour map are presented in Figure 1. Based on the depth to water data recorded on April 7 1997, the direction of groundwater flow is toward the west, which is consistent with the previous sampling event (Geraghty & Miller, December 10, 1996).

### Laboratory Analytical Results

#### Chromium Results

The historical and current analytical results for total and hexavalent chromium are summarized in Table 3 and the current results are presented in Figure 2. The overall pattern is consistent with previous sampling events. The highest concentrations of both total and hexavalent chromium were detected in Monitoring Wells MW-13 and MW-17, respectively. Decreasing concentrations were detected with increased distance downgradient of the site in Wells MW-6 and MW-16. Hexavalent chromium was not detected in the water samples collected from the deep wells (MW-3A and MW-20) sampled during this quarterly event, while total chromium was detected at 14 and 55 micrograms per liter ( $\mu\text{g}/\text{L}$ ), respectively.

The chromium and hexavalent chromium results for Monitoring Well MW-10 are likely to reflect the continued influence of the pilot test that was performed during 1995 and 1996. Prior to the April 8, 1997 sampling, Well MW-10 was last sampled as part of the quarterly monitoring program in April 1995. At that time the concentrations of chromium and hexavalent chromium were 170,000  $\mu\text{g}/\text{L}$  and 160,000  $\mu\text{g}/\text{L}$ , respectively. In the April 1997 sampling the concentrations of chromium and hexavalent chromium were 6,500  $\mu\text{g}/\text{L}$  and ND ( $<5.0 \mu\text{g}/\text{L}$ ), respectively. This decrease of approximately three orders of magnitude is likely the result of the pilot test that was performed at the site during August 1995 through May 1996. As part of the pilot test, inoculated molasses solution was injected into the groundwater through an injection point that was installed approximately 10 feet upgradient of MW-10. Water samples were collected for analysis from Well MW-10 during the pilot test and revealed an order of magnitude decrease in chromium concentrations and a decrease to below detection levels for hexavalent chromium. The figure presented in Attachment 2 summarizes the groundwater analytical results for chromium, hexavalent chromium and trichloroethylene (TCE) collected during the pilot study. For a detailed discussion of the



procedures and results of the pilot test, see the Geraghty & Miller report dated October 9, 1996.

#### **Purgeable Halocarbon Results**

The historical and current analytical results for purgeable halocarbons are summarized in Table 4. Figure 3 presents the concentrations of TCE and tetrachloroethylene (PCE) detected during the April 1997 sampling event. TCE and cis-1,2-DCE were the most frequently detected halocarbons. TCE was the most frequently detected compound, and it was detected at the highest concentrations. The highest concentrations of TCE were detected in Monitoring Well MW-14, to the west of the site.

The results for MW-10 may be influenced by the pilot test that was performed during 1995 and 1996. As discussed above, MW-10 was sampled in April 1997 for the first time as part of the quarterly sampling program since April 1995. The concentration of TCE detected during the April 1995 sampling event was 10,000 µg/L, whereas the concentration detected during the April 1997 event was 660 µg/L. The decrease of approximately two orders of magnitude in the concentration is likely the result of the pilot test. During the pilot test, the concentration of TCE dropped to as low as 450 µg/L in October 1995 (Attachment 2).

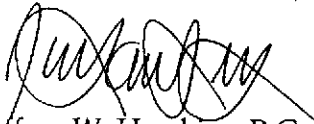
#### **GROUNDWATER REMEDIATION PROGRAM**

A groundwater remediation program was initiated at the site during April 1997. A work plan was submitted to the Regional Water Quality Control Board and the Alameda County Department of Environmental Health prior to implementing the program. A description of the remediation program is in the Geraghty & Miller workplan dated March 17, 1997.



Geraghty & Miller appreciates the opportunity to be of service. If you have any questions regarding this report, please do not hesitate to call.

Sincerely,  
GERAGHTY & MILLER, INC.



Jeffrey W. Hawkins, R.G.  
Senior Geologist



Gary W. Keyes, P. E.  
Principal Engineer/Associate  
Richmond, California Office Manager

- Attachments:
- |              |   |
|--------------|---|
| Table 1      | Summary of Field Data   |
| Table 2      | Summary of Groundwater Elevation Data   |
| Table 3      | Summary of Groundwater Analytical Data – Total and Hexavalent Chromium              |
| Table 4      | Summary of Groundwater Analytical Data – Purgeable Halocarbons                      |
| Figure 1     | Groundwater Contour Map   |
| Figure 2     | Groundwater Analytical Results, April 1997 – Total Chromium and Hexavalent Chromium |
| Figure 3     | Groundwater Analytical Results, April 1997 – TCE and PCE                            |
| Attachment 1 | Copies of Laboratory Analytical Reports and Chain-of-Custody Documentation          |
| Attachment 2 | Figure 1, Pilot Study Results   |



**Table 2: Summary of Groundwater Elevation Data**

Electro-Coatings Inc.

1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-1	19-Apr-95	Not Located		--
	19-Sep-95	NM	15.19	--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	6.15		9.04
	9-Dec-96	NM		--
	7-Apr-97	5.87		9.32
MW-2	19-Apr-95	Not Located		--
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--
MW-3A	19-Apr-95	4.87	16.1	11.23
	19-Sep-95	5.70		10.40
	14-Dec-95	5.00		11.10
	6-Mar-96	4.73		11.37
	11-Jun-96	5.28		10.82
	12-Sep-96	5.47		10.63
	9-Dec-96	5.61		10.49
	7-Apr-97	5.05		11.05
MW-3B	19-Apr-95	6.76	16.3	9.54
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--



**Table 2: Summary of Groundwater Elevation Data**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-3C	19-Apr-95	6.19	16.21	10.02
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--
MW-4	19-Apr-95	6.52	14.29	7.77
	19-Sep-95	6.50		7.79
	14-Dec-95	5.36		8.93
	6-Mar-96	5.90		8.39
	11-Jun-96	6.39		7.90
	12-Sep-96	6.40		7.89
	9-Dec-96	5.78		8.51
	7-Apr-97	6.49		7.80
MW-5	19-Apr-95	6.95	15.87	8.92
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--
MW-6	19-Apr-95	3.55	9.24	5.69
	19-Sep-95	3.72		5.52
	14-Dec-95	3.01		6.23
	6-Mar-96	3.31		5.93
	11-Jun-96	5.34		3.90
	12-Sep-96	3.60		5.64
	9-Dec-96	3.19		6.05
	7-Apr-97	3.64		5.60



**Table 2: Summary of Groundwater Elevation Data**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-7	19-Apr-95	Not Located		--
	19-Sep-95	Not Located		--
	14-Dec-95	Not Located		--
	6-Mar-96	Not Located		--
	11-Jun-96	Not Located		--
	12-Sep-96	Not Located		--
	9-Dec-96	Not Located		--
	7-Apr-97	Not Located		--
MW-8	19-Apr-95	5.50	16.42	10.92
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--
MW-9	19-Apr-95	6.67	16.03	9.36
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	6.71		9.32
	9-Dec-96	NM		--
	7-Apr-97	6.90		9.13
MW-10	19-Apr-95	6.94	15.1	8.16
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--





**Table 2: Summary of Groundwater Elevation Data**

Electro-Coatings Inc.

1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-11	19-Apr-95	6.38	15.94	9.56
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	6.40		9.54
	9-Dec-96	NM		--
	7-Apr-97	6.56		9.38
MW-12	19-Apr-95	6.52	16.04	9.52
	19-Sep-95	6.61		9.43
	14-Dec-95	5.12		10.92
	6-Mar-96	5.61		10.43
	11-Jun-96	6.46		9.58
	12-Sep-96	6.53		9.51
	9-Dec-96	5.76		10.28
	7-Apr-97	6.67		9.37
MW-13	19-Apr-95	6.75	15.37	8.62
	19-Sep-95	6.94		8.43
	14-Dec-95	5.45		9.92
	6-Mar-96	5.94		9.43
	11-Jun-96	6.75		8.62
	12-Sep-96	6.80		8.57
	9-Dec-96	6.02		9.35
	7-Apr-97	6.92		8.45
MW-14	19-Apr-95	6.71	15.49	8.78
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	6.74		8.75
	9-Dec-96	NM		--
	7-Apr-97	6.85		8.64



**Table 2: Summary of Groundwater Elevation Data**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-15	19-Apr-95	7.94	17.26	9.32
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--
MW-16	19-Apr-95	4.57	12.08	7.51
	19-Sep-95	4.64		7.44
	14-Dec-95	4.28		7.80
	6-Mar-96	4.01		8.07
	11-Jun-96	4.50		7.58
	12-Sep-96	4.55		7.53
	9-Dec-96	3.98		8.10
	7-Apr-97	4.57		7.51
MW-17	19-Apr-95	4.48	12.76	8.28
	19-Sep-95	4.78		7.98
	14-Dec-95	3.31		9.45
	6-Mar-96	3.75		9.01
	11-Jun-96	4.55		8.21
	12-Sep-96	4.61		8.15
	9-Dec-96	3.89		8.87
	7-Apr-97	4.71		8.05
MW-18	19-Apr-95	4.79	13.57	8.78
	19-Sep-95	5.00		8.57
	14-Dec-95	3.48		10.09
	6-Mar-96	3.96		9.61
	11-Jun-96	4.86		8.71
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--



**Table 2: Summary of Groundwater Elevation Data**

Electro-Coatings Inc.

1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-18A	19-Apr-95	4.67	13.36	8.69
	19-Sep-95	5.76		7.60
	14-Dec-95	5.60		7.76
	6-Mar-96	3.86		9.50
	11-Jun-96	4.85		8.51
	12-Sep-96	NM		--
	9-Dec-96	NM		--
	7-Apr-97	NM		--
MW-19	19-Apr-95	Not Located		--
	19-Sep-95	Not Located		--
	14-Dec-95	Not Located		--
	6-Mar-96	Not Located		--
	11-Jun-96	Not Located		--
	12-Sep-96	Not Located		--
	9-Dec-96	Not Located		--
	7-Apr-97	Not Located		--
MW-20	19-Apr-95	2.78	14.93	12.15
	19-Sep-95	2.47		12.46
	14-Dec-95	2.95		11.98
	6-Mar-96	1.43		13.50
	11-Jun-96	2.29		12.64
	12-Sep-96	2.90		12.03
	9-Dec-96	NM		--
	7-Apr-97	2.63		12.30
MW-21	19-Apr-95	Not Located		--
	19-Sep-95	Not Located		--
	14-Dec-95	Not Located		--
	6-Mar-96	Not Located		--
	11-Jun-96	Not Located		--
	12-Sep-96	Not Located		--
	9-Dec-96	Not Located		--
	7-Apr-97	Not Located		--

NM = Not Measured as part of the quarterly sampling program.



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-1	Aug-77	200	NA
	Sep-81	ND(<1)	NA
	Oct-81	1	NA
	Nov-81	2.5	NA
	Dec-81	32	NA
	Feb-85	ND(<20)	ND(<20)
	Oct-91	ND(<50)	50
	20-Apr-95	Not Located	
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	330	ND(<5.0)
	11-Dec-96	NS	NS
	8-Apr-97	320	ND(<5.0)
MW-2	Aug-77	60	NA
	Sep-81	ND(<1)	NA
	Oct-81	4	NA
	Nov-81	1.1	NA
	Dec-81	2	NA
	20-Apr-95	Not Located	
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-3A	Aug-77	50	NA
	Sep-81	ND (<1)	NA
	Oct-81	ND (<1)	NA
	Nov-81	230	NA
	Dec-81	14	NA
	Feb-85	770	80
	Oct-91	130	ND (<500)
	20-Apr-95	36	ND (<5.0)
	19-Sep-95	65	ND (<5.0)
	14-Dec-95	110	7.5
	8-Mar-96	92	ND (<5.0)
	11-Jun-96	51	ND (<5.0)
	13-Sep-96	ND(<10)	ND (<5.0)
	11-Dec-96	13 (d)	ND (<5.0)
	7-Apr-97	14	ND (<5.0)
MW-3B (c)	Aug-77	60	NA
	Sep-81	ND (<1)	NA
	Oct-81	480	NA
	Nov-81	2,000	NA
	Dec-81	190	NA
	Feb-85	NA	NA
	Oct-91	110,000	100,000
	20-Apr-95	8,000	7,600
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.

1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-3C	Aug-77	18,000	NA
	Sep-81	30,000	NA
	Oct-81	28,000	NA
	Nov-81	22,000	NA
	Dec-81	17,000	NA
	Feb-85	7,250	6,300
	Oct-91	2,300	1,600
	20-Apr-95	1,400	ND (<5.0)
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS
MW-4	Aug-77	90,000	67,000
	Sep-81	57,000	NA
	Oct-81	61,000	NA
	Nov-81	56,000	NA
	Dec-81	55,000	NA
	Feb-85	59,000	59,000
	Jun-91	17,000	17,800
	Oct-91	22,000	22,000
	Jul-94	NA	6,300
	21-Apr-95	16,000	17,000
	19-Sep-95	14,000	15,000
	15-Dec-95	16,000	16,000
	8-Mar-96	16,000	23,000
	11-Jun-96	5,400	9,100
	13-Sep-96	14,000	1,400
	11-Dec-96	17,000 (d)	47,000
	8-Apr-97	13,000	16,000



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-3A	Aug-77	50	NA
	Sep-81	ND (<1)	NA
	Oct-81	ND (<1)	NA
	Nov-81	230	NA
	Dec-81	14	NA
	Feb-85	770	80
	Oct-91	130	ND (<500)
	20-Apr-95	36	ND (<5.0)
	19-Sep-95	65	ND (<5.0)
	14-Dec-95	110	7.5
	8-Mar-96	92	ND (<5.0)
	11-Jun-96	51	ND (<5.0)
	13-Sep-96	ND(<10)	ND (<5.0)
	11-Dec-96	13 (d)	ND (<5.0)
	7-Apr-97	14	ND (<5.0)
MW-3B (c)	Aug-77	60	NA
	Sep-81	ND (<1)	NA
	Oct-81	480	NA
	Nov-81	2,000	NA
	Dec-81	190	NA
	Feb-85	NA	NA
	Oct-91	110,000	100,000
	20-Apr-95	8,000	7,600
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-5	Aug-77	360,000	295,000
	Sep-81	NA	NA
	Oct-81	880,000	2,240
	Nov-81	610,000	NA
	Dec-81	280,000	NA
	Feb-85	480,000	480,000
	Jun-91	390,000	NA
	Oct-91	260,000	250,000
	Jul-94	NA	454,000
	21-Apr-95	140,000	160,000
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS
MW-6	Sep-81	630	NA
	Oct-81	80	NA
	Nov-81	790	NA
	Dec-81	630	NA
	Feb-85	3,330	3,300
	Jun-91	NA	NA
	Oct-91	31,000	25,000
	Jul-94	NA	4,800
	20-Apr-95	39,000	40,000
	19-Sep-95	45,000	43,000
	14-Dec-95	35,000	50,000
	8-Mar-96	42,000	50,000
	11-Jun-96	41,000	44,000
	13-Sep-96	46,000	44,000
	11-Dec-96	45,000 (d)	54,000
	8-Apr-97	45,000	48,000





**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
<b>MW-7</b>	20-Apr-95	Not Located	
	19-Sep-95	Not Located	
	15-Dec-95	Not Located	
	8-Mar-96	Not Located	
	11-Jun-96	Not Located	
	13-Sep-96	Not Located	
	11-Dec-96	Not Located	
	7-Apr-97	Not Located	
<b>MW-8</b>	Sep-81	ND (<1)	NA
	Oct-81	2	NA
	Nov-81	3	NA
	Dec-81	70	NA
	Feb-85	ND (<20)	ND (<20)
	Jun-91	NA	NA
	Oct-91	ND (<50)	ND (<10)
	21-Apr-95	33	ND (<5.0)
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS
<b>MW-9</b>	Jan-81	258,000	185,000
	Sep-81	NA	NA
	Oct-81	NA	NA
	Nov-81	NA	NA
	Dec-81	NA	NA
	Feb-85	892,000	877,000
	Jun-91	NA	NA
	Oct-91	140,000	130,000
	21-Apr-95	66,000	70,000
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	56,000	5,800
	11-Dec-96	NS	NS
7-Apr-97	74,000	76,000	



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-10 (c)	Jan-81	17,000	14,000
	Sep-81	NA	NA
	Oct-81	NA	NA
	Nov-81	NA	NA
	Dec-81	NA	NA
	Feb-85	746,000	740,000
	Jun-91	NA	NA
	Oct-91	490,000	450,000
	21-Apr-95	160,000	170,000
	19-Sep-95	NS	NS
	15-Dec-09	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
8-Apr-97	6,500	ND(<5.0)	
MW-11 (c)	Jan-81	129,000	115,000
	Jul-81	340	34
	Sep-81	NA	NA
	Oct-81	NA	NA
	Nov-81	NA	NA
	Dec-81	NA	NA
	Feb-85	2,440	2,410
	Jun-91	NA	NA
	Oct-91	470	410
	20-Apr-95	420	950
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	170	6.0
11-Dec-96	NS	NS	
7-Apr-97	630	ND(<5.0)	



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
<b>MW-12</b> (c)	Jan-81	32,000	12,000
	Jul-81	NA	NA
	Sep-81	NA	NA
	Oct-81	NA	NA
	Nov-81	NA	NA
	Dec-81	NA	NA
	Feb-85	240,000	240,000
	Jun-91	38,000	29,700
	Oct-91	44,000	39,000
	20-Apr-95	10,000	10,000
	19-Sep-95	18,000	19,000
	14-Dec-95	17,000	20,000
	8-Mar-96	NS	NS
	11-Jun-96	130	16
	13-Sep-96	260	ND(<5.0)
	11-Dec-96	1,100 (d)	1,400
	7-Apr-97	2,000	690
	<b>MW-13</b>	Jan-81	381,000
Jul-81		NA	NA
Sep-81		NA	NA
Oct-81		NA	NA
Nov-81		NA	NA
Dec-81		NA	NA
Feb-85		676,000	676,000
Jun-91		NA	NA
Oct-91		510,000	430,000
Jul-94		230,000	130,000
20-Apr-95		210,000	220,000
19-Sep-95		200,000	210,000
15-Dec-95		170,000	210,000
8-Mar-96		170,000	200,000
11-Jun-96		170,000	160,000
13-Sep-96		160,000	13,000
11-Dec-96		160,000 (d)	170,000
7-Apr-97		150,000	160,000



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**  
Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-14	Feb-85	654,000	632,000
	Jun-91	NA	
	Oct-91	320,000	310,000
	Jul-94	NA	
	21-Apr-95	130,000	140,000
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	100,000	9,700
	11-Dec-96	NS	NS
	8-Apr-97	93,000	100,000
MW-15	Feb-85	ND (<20)	ND (<20)
	Jun-91	30	NA
	Oct-91	ND (<50)	ND (<10)
	Jul-94	NA	ND (<10)
	21-Apr-95	ND (<10)	ND (<5.0)
	19-Sep-95	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	NS	NS
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS
MW-16 (c)	Feb-85	460,000	460,000
	Jun-91	NA	NA
	Oct-91	240,000	290,000
	Jul-94	120,000	320,000
	20-Apr-95	100,000	100,000
	19-Sep-95	83,000	87,000
	14-Dec-95	57,000	74,000
	8-Mar-96	73,000	83,000
	11-Jun-96	67,000	20,000
	13-Sep-96	60,000	6,400
	11-Dec-96	65,000 (d)	73,000
	8-Apr-97	57,000	64,000



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.

1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-17	Feb-85	90,000	38,200
	Jun-91	NA	NA
	Oct-91	250,000	300,000
	Jul-94	190,000	200,000
	20-Apr-95	150,000	160,000
	19-Sep-95	170,000	180,000
	14-Dec-95	160,000	200,000
	8-Mar-96	140,000	150,000
	11-Jun-96	130,000	150,000
	13-Sep-96	130,000	12,000
	11-Dec-96	170,000 (d)	200,000
	8-Apr-97	160,000	160,000
MW-18	Feb-85	60,500	55,000
	Jun-91	NA	NA
	Oct-91	31,000	24,000
	Jul-94	NA	NA
	22-Apr-95	24,000	23,000
	19-Sep-95	25,000	27,000
	14-Dec-95	20,000	22,000
	8-Mar-96	22,000	23,000
	11-Jun-96	19,000	17,000
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS
MW-18A	Jun-83	20	ND (<20)
	Feb-85	ND (<20)	ND (<20)
	Oct-91	ND (<50)	ND (<10)
	20-Apr-95	ND (<10)	ND (<5.0)
	19-Sep-95	ND (<10)	ND (<5.0)
	15-Dec-95	17	ND (<5.0)
	8-Mar-96	ND (<50)	ND (<5.0)
	11-Jun-96	38	ND (<0.0050)
	13-Sep-96	NS	NS
	11-Dec-96	NS	NS
	7-Apr-97	NS	NS



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-19	Jun-83	NA (<20)	NA (<20)
	Feb-85	20	20
	Oct-91	NA	NA
	20-Apr-95	Not Located	
	19-Sep-95	Not Located	
	15-Dec-95	Not Located	
	8-Mar-96	Not Located	
	11-Jun-96	Not Located	
	13-Sep-96	Not Located	
	11-Dec-96	Not Located	
	7-Apr-97	Not Located	
MW-20	Jun-83	1,300	1,200
	Aug-83	90	40
	Feb-85	ND (<20)	ND (<20)
	Oct-91	ND (<50)	14
	21-Apr-95	ND (<10)	ND (<5.0)
	19-Sep-95	ND (<10)	ND (<5.0)
	15-Dec-95	22	ND (<5.0)
	8-Mar-96	22	ND (<5.0)
	11-Jun-96	96	ND (<0.0050)
	13-Sep-96	120	ND(5.0)
	11-Dec-96	NS	NS
7-Apr-97	55	ND(<5.0)	
MW-21	Jun-83	20	ND (<20)
	Feb-85	40	ND (<20)
	20-Apr-95	Not Located	
	19-Sep-95	Not Located	
	15-Dec-95	Not Located	
	8-Mar-96	Not Located	
	11-Jun-96	Not Located	
	13-Sep-96	Not Located	
	11-Dec-96	Not Located	
	7-Apr-97	Not Located	

Notes appear on the following page.



**Table 3: Summary of Groundwater Analytical Data  
Total and Hexavalent Chromium**  
Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
(a)	Analysis by USEPA Method 200.7.		
(b)	Analysis by USEPA Method 7196.		
(c)	Denotes well that was part of the pilot study performed during August 1995 through February 1996.		
(d)	Laboratory indicates results are questionable due to samples being marked preserved which were not.		
NA	Not Analyzed		
NS	Not Sampled as part of the quarterly monitoring program.		
ND( )	Not detected; laboratory method detection limit in parentheses.		
µg/L	Micrograms per liter.		



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
MW-1	21-Mar-85	33	21	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)
	15-Nov-91	11	0.6	ND (<0.5)	0.5	4.8	NR	1.6	NR	NR	NR	ND (<1)
	20-Apr-95	Not Located	---	---	---	---	---	---	---	---	---	---
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program										
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program										
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program										
	13-Sep-96	14	ND(<0.50)	ND(<0.50)	0.63	ND(<0.50)	1.9	ND(<0.50)	0.78	ND(<0.50)	ND(<0.50)	ND(<1.0)
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program										
8-Apr-97	13	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	1.2	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	
MW-2	15-Nov-91	Not Sampled	---	---	---	---	---	---	---	---	---	---
	20-Apr-95	Not Located	---	---	---	---	---	---	---	---	---	---
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program										
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program										
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program										
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program										
	7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program										
MW-3A	29-Oct-91	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<1)
	20-Apr-95	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<1.0)
	19-Sep-95	0.56	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<1.0)
	14-Dec-95	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Jun-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	13-Sep-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	11-Dec-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	7-Apr-97	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)





**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
<b>MW-3B</b> (b)	29-Oct-91	650	6.8	ND (<0.5)	13	45	NR	1.2	NR	NR	NR	6.4
	20-Apr-95	260	ND (<10)	ND (<10)	ND (<10)	23	17	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program										
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program										
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program										
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program										
7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program											
<b>MW-3C</b>	11-Jun-85	150	1.7	2.4	ND (<0.5)	23	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)
	21-Oct-91	180	1.7	34	61	26	NR	5.4	NR	NR	NR	18
	20-Apr-95	30	ND (<0.5)	0.66	1.6	ND (<0.5)	11	2.0	ND (<0.5)	ND (<0.5)	ND (<0.5)	2.2
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program										
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program										
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program										
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program										
11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program											
<b>MW-4</b>	4-Nov-91	2,100	31	ND (<5)	ND (<5)	269	NR	ND (<5)	NR	NR	NR	10
	28-Jul-94	6,500	NA	NA	NA	NA	NR	NA	NR	NR	NR	NA
	21-Apr-95	4,400	ND (<50)	ND (<50)	ND (<50)	ND (<50)	430	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	19-Sep-95	3,500	65	ND (<50)	ND (<50)	92	590	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	15-Dec-95	2,900	27	ND (<10)	ND (<10)	44	330	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)
	8-Mar-96	3,100	84	ND (<50)	ND (<50)	ND (<50)	360	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	11-Jun-96	3,100	ND (<100)	ND (<100)	ND (<100)	ND (<100)	280	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<200)
	13-Sep-96	1,800	63	ND (<50)	ND (<50)	58	410	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	11-Dec-96	1,600	ND (<50)	ND (<50)	ND (<50)	ND (<50)	260	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	8-Apr-97	4,000	ND (<50)	ND (<50)	ND (<50)	ND (<50)	410	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
MW-5	4-Nov-91	410	8.9	1.3	4.2	120	NR	42				54
	21-Apr-95	210	10	ND (<5)	ND (<5)	13	31	13	ND (<5)	ND (<5)	ND (<5)	ND (<10)
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program										
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program										
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program										
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program										
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program										
7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program											
MW-6	11-Jun-85	220	ND (<0.5)	3.9	ND (<5)	54	NR	ND (<5)	NR	NR	NR	ND (<5)
	5-Nov-91	420	5.9	6.4	29	78	NR	ND (<0.5)	NR	NR	NR	19
	28-Jul-94	790	NA	NA	NA	NA	NR	NA	NR	NR	NR	NA
	20-Apr-95	320	ND (<10)	ND (<10)	34	ND (<10)	55	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)
	19-Sep-95	210	6.4	ND (<5)	46	12	48	ND (<5)	ND (<5)	5.1	ND (<5)	13
	14-Dec-95	400	ND (<10)	ND (<10)	74	ND (<10)	53	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)
	8-Mar-96	290	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	11-Jun-96	300	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	13-Sep-96	480	ND (<50)	ND (<50)	64	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
	11-Dec-96	360	ND (<50)	ND (<50)	59	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)
8-Apr-97	420	ND (<50)	ND (<50)	73	ND (<50)	52	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)	
MW-7	20-Apr-95	Not Located	---	---	---	---	---	---	---	---	---	---
	19-Sep-95	Not Located	---	---	---	---	---	---	---	---	---	---
	15-Dec-95	Not Located	---	---	---	---	---	---	---	---	---	---
	8-Mar-96	Not Located	---	---	---	---	---	---	---	---	---	---
	11-Jun-96	Not Located	---	---	---	---	---	---	---	---	---	---
	13-Sep-96	Not Located	---	---	---	---	---	---	---	---	---	---
	11-Dec-96	Not Located	---	---	---	---	---	---	---	---	---	---
7-Apr-97	Not Located	---	---	---	---	---	---	---	---	---	---	



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)	
MW-8	10-Jun-85	46	18	ND (<1)	ND (<1)	19	NR	1	NR	NR	NR	3	
	11-Jun-85	93	35	ND (<0.5)	1	32	NR	1	NR	NR	NR	NA	
	5-Nov-91	38	35	ND (<0.5)	0.8	23	NR	1.8	NR	NR	NR	4.9	
	21-Apr-95	40	18	ND(<1.0)	ND(<1.0)	6.7	46	1.2	5.6	ND(<1.0)	ND(<1.0)	16	
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program											
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program											
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program											
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program												
MW-9	13-Jun-85	700	26	ND (<5)	ND (<5)	31	NR	ND (<5)	NR	NR	NR	ND (<5)	
	30-Oct-91	200	11	ND (<0.5)	ND (<0.5)	13	NR	1.3	NR	NR	NR	ND (<1)	
	21-Apr-95	73	13	ND (<2)	ND (<2)	ND (<2)	6.4	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program											
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program											
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program											
	13-Sep-96	ND(<50)	75	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
	7-Apr-97	95	15	7.1	ND(<2.5)	2.5	8.8	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<5.0)
MW-10	12-Jun-85	5,100	81	ND(<50)	ND(<50)	ND(<50)	NR	ND(<50)	NR	NR	NR	ND(<50)	
	(b) 12-Jun-85	12,000	ND(<50)	ND(<50)	ND(<50)	600	NR	ND(<50)	NR	NR	NR	NA	
	7-Nov-91	14,000	ND(<50)	6,500	3,800	640	NR	ND(<50)	NR	NR	NR	ND(<100)	
	21-Apr-95	10,000	ND (<100)	1,000	1,200	ND (<100)	900	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<200)	
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program											
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program											
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program											
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
8-Apr-97	660	ND(<500)	ND(<500)	680	ND(<500)	11,000	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<1000)	

Form No. RC3304 003 ELECTROCO EMERYVILLE 12/15/97 11/17/97 11/17/97 11/17/97



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)	
MW-11 (b)	12-Jun-85	19	5.3	1.3	ND (<0.5)	3.4	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)	
	15-Nov-91	10	1.5	ND (<0.5)	ND (<0.5)	3.1	NR	ND (<0.5)	NR	NR	NR	ND (<1)	
	20-Apr-95	67	7.4	ND (<5)	ND (<5)	ND (<5)	6.2	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program											
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program											
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program											
	13-Sep-96	6.0	0.73	ND(<0.50)	ND (<0.50)	ND (<0.50)	3.6	0.6	1.0	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
	7-Apr-97	1.1	ND(<0.50)	ND(<0.50)	ND(<0.50)	4.1	9.7	0.73	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	4.6
MW-12 (b)	11-Nov-91	130	10	4.6	3.3	9	NR	1.3	NR	NR	NR	ND (<2)	
	20-Apr-95	52	9.4	3.9	9.0	ND (<2.5)	5.0	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<5)	
	19-Sep-95	67	14	7.2	15	3.8	9.1	1.6	2.9	ND (<1.3)	ND (<1.3)	ND (<2.5)	
	15-Dec-95	79	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<20)	
	8-Mar-96	ND(<50)	850	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	
	11-Jun-96	2.7	ND(<1.0)	2.6	3.9	1.4	39	1.6	1.4	ND(<1.0)	ND(<1.0)	13	
	13-Sep-96	23	2.3	5.9	12	1.5	15	2.9	1.9	ND(<0.50)	ND(<0.50)	ND(<1.0)	
	11-Dec-96	55	5.0	4.9	6.2	0.83	11	1.4	1.5	ND(<0.50)	ND(<0.50)	ND(<1.0)	
7-Apr-97	65	6.2	ND(<5.0)	15	ND(<5.0)	17	5.6	ND(<5.0)	ND(<5.0)	ND(<5.0)	ND(<10)		
MW-13	8-Nov-91	630	8.9	ND (<5)	6.8	89	NR	15	NR	NR	NR	20	
	28-Jul-94	770	NA	NA	NA	NA	NR	NA	NR	NR	NR	NA	
	20-Apr-95	360	8.9	ND (<5)	ND (<5)	16	70	14	ND (<5)	ND (<5)	ND (<5)	20	
	19-Sep-95	240	12.0	ND (<5)	ND (<5)	25	72	18	ND (<5)	ND (<5)	ND (<5)	42	
	15-Dec-95	380	ND(<10)	ND(<10)	ND(<10)	17	68	ND(<10)	ND(<10)	ND(<10)	ND(<10)	ND(<20)	
	8-Mar-96	270	ND(<50)	ND(<50)	ND(<50)	ND(<50)	68	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	
	11-Jun-96	250	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	
	13-Sep-96	430	ND(<50)	ND(<50)	ND(<50)	ND(<50)	84	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	
	11-Dec-96	250	ND(<50)	ND(<50)	ND(<50)	ND(<50)	56	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	
7-Apr-97	280	ND(<50)	ND(<50)	ND(<50)	ND(<50)	62	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)		



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)	
MW-14	21-Mar-85	580	26	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)	
	11-Nov-91	4,300	13	17	13	150	NR	19	NR	NR	NR	30	
	21-Apr-95	8,100	ND (<10)	ND (<10)	ND (<10)	ND (<10)	36	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)	
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program											
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program											
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program											
	13-Sep-96	4,700	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<2000)
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
	8-Apr-97	17,000	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<500)	ND(<1000)
MW-15	13-Jun-85	1,200	ND(<50)	ND(<50)	ND(<50)	410	NR	ND(<50)	NR	NR	NR	ND(<50)	
	21-Nov-91	650	ND(<5)	ND (<5)	ND (<5)	220	NR	ND (<5)	NR	NR	NR	ND (<10)	
	21-Apr-95	300	ND (<10)	ND (<10)	ND (<10)	130	88	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)	
	19-Sep-95	Not Sampled as Part of Quarterly Monitoring Program											
	15-Dec-95	Not Sampled as Part of Quarterly Monitoring Program											
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	Not Sampled as Part of Quarterly Monitoring Program											
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
	7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program											
MW-16 (b)	21-Mar-85	360	42	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)	
	19-Nov-91	19,000	ND(<5)	1,300	1,200	2299	NR	ND (<5)	NR	NR	NR	420	
	28-Jul-94	22,000	NA	NA	NA	NA	NR	NA	NR	NR	NR	NA	
	20-Apr-95	10,000	13	180	390	67	2,400	28	ND (<10)	12	ND (<10)	300	
	19-Sep-95	7,800	ND (<125)	190	590	190	2,500	ND (<125)	ND (<125)	ND (<125)	ND (<125)	730	
	14-Dec-95	11,000	ND (<0.50)	140	620	100	2,300	26	ND (<0.50)	ND (<0.50)	ND (<0.50)	460	
	8-Mar-96	9,900	ND (<200)	ND (<200)	460	ND (<200)	2,400	ND (<200)	ND (<200)	ND (<200)	ND (<200)	ND (<400)	
	11-Jun-96	9,700	ND (<200)	ND (<200)	ND (<200)	ND (<200)	2,100	ND (<200)	ND (<200)	ND (<200)	ND (<200)	440	
	13-Sep-96	11,000	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	2,200	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<2000)	
	11-Dec-96	11,000	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	2,900	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<2000)	
8-Apr-97	15,000	ND(<1000)	ND(<1000)	ND(<1000)	ND(<1000)	2,900	ND(<1000)	ND(<1000)	ND(<1000)	ND(<1000)	ND(<2000)		



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)	
MW-17	13-Jun-85	200	18	22	46	23	NR	ND (<5)	NR	NR	NR	ND (<5)	
	19-Nov-91	460	8.9	30	54	54	NR	7.8	NR	NR	NR	420	
	28-Jul-95	780	NA	NA	NA	NA	NR	NA	NR	NR	NR	NA	
	20-Apr-95	410	ND (<10)	ND (<10)	37	11	42	ND (<10)	ND (<10)	31	17	ND (<20)	
	19-Sep-95	260	9.8	11	42	23	50	ND (<5)	ND (<5)	52	28	ND (<10)	
	14-Dec-95	360	13	ND (<10)	38	ND (<10)	24	ND (<10)	ND (<10)	27	15	ND (<20)	
	8-Mar-96	310	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<100)	
	11-Jun-96	270	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<100)	
	13-Sep-96	1,900	ND(<200)	ND(<200)	410	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND (<400)
	11-Dec-96	450	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND (<400)
8-Apr-97	350	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<200)	ND(<400)	
MW-18	12-Jun-85	430	32	52	ND (<0.5)	140	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)	
	12-Jun-85	340	ND(<50)	66	ND (<50)	ND (<50)	NR	ND (<50)	NR	NR	NR	NA	
	19-Nov-91	560	11	23	ND (<5)	160	NR	ND (<5)	NR	NR	NR	30	
	22-Apr-95	330	ND (<10)	16	ND (<10)	13	35	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)	
	19-Sep-95	200	14	16	ND (<5)	20	34	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<10)	
	14-Dec-95	280	ND (<10)	ND (<10)	ND (<10)	ND (<10)	18	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<20)	
	8-Mar-96	200	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)	
	11-Jun-96	200	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<50)	ND (<100)	
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
MW-18A	13-Jun-85	10	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)	
	19-Nov-91	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<1)	
	20-Apr-95	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<1.0)	
	19-Sep-95	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<1.0)	
	15-Dec-95	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)	
	8-Mar-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)	
	11-Jun-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)	
	13-Sep-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
	7-Apr-97	Not Sampled as Part of Quarterly Monitoring Program											



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**  
 Electro-Coatings Inc.  
 1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)	
MW-19	21-Mar-85	91	23	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<0.5)	
	20-Apr-95	Not Located	---	---	---	---	---	---	---	---	---	---	
	19-Sep-95	Not Located	---	---	---	---	---	---	---	---	---	---	
	15-Dec-95	Not Located	---	---	---	---	---	---	---	---	---	---	
	8-Mar-96	Not Located	---	---	---	---	---	---	---	---	---	---	
	11-Jun-96	Not Located	---	---	---	---	---	---	---	---	---	---	
	13-Sep-96	Not Located	---	---	---	---	---	---	---	---	---	---	
	11-Dec-96	Not Located	---	---	---	---	---	---	---	---	---	---	
7-Apr-97	Not Located	---	---	---	---	---	---	---	---	---	---		
MW-20	15-Nov-91	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NR	ND (<0.5)	NR	NR	NR	ND (<1)	
	21-Apr-95	3.5	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<1.0)	
	19-Sep-95	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<1.0)	
	15-Dec-95	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)	
	8-Mar-96	Not Sampled as Part of Quarterly Monitoring Program											
	11-Jun-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	13-Sep-96	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)
	11-Dec-96	Not Sampled as Part of Quarterly Monitoring Program											
7-Apr-97	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)	
MW-21	13-Jun-85	2,200	ND (<50)	110	NA (<50)	800	NR	NA (<50)	NR	NR	NR	NA (<50)	
	21-Apr-95	Not Located	---	---	---	---	---	---	---	---	---	---	
	19-Sep-95	Not Located	---	---	---	---	---	---	---	---	---	---	
	15-Dec-95	Not Located	---	---	---	---	---	---	---	---	---	---	
	8-Mar-96	Not Located	---	---	---	---	---	---	---	---	---	---	
	11-Jun-96	Not Located	---	---	---	---	---	---	---	---	---	---	
	13-Sep-96	Not Located	---	---	---	---	---	---	---	---	---	---	
	11-Dec-96	Not Located	---	---	---	---	---	---	---	---	---	---	
7-Apr-97	Not Located	---	---	---	---	---	---	---	---	---	---		
TB-LB	7-Apr-97	---	---	---	---	---	---	---	---	---	---	---	

Notes appear on the following page.



**Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons**

Electro-Coatings Inc.  
1401 and 1421 Park Avenue, Emeryville, California

Monitor Well	Date Sampled	TCE (µg/L) (a)	PCE (µg/L) (a)	TCA (µg/L) (a)	1,1-DCE (µg/L) (a)	trans 1,2-DCE (µg/L) (a)	cis 1,2-DCE (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Chlorobenzene (µg/L) (a)	1,2-dichlorobenzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
--------------	--------------	-------------------	-------------------	-------------------	-----------------------	-----------------------------	---------------------------	-----------------------	-----------------------	-----------------------------	-----------------------------------	------------------------------

NR Not Reported

NA Not Analyzed

(a) Analysis by USEPA Method 8010

(b) Denotes well that was part of the pilot study performed during August 1995 through February 1996.

ND( ) Not detected; laboratory method detection limit in parentheses.

TB-LB Trip blank-laboratory blank.

µg/L Micrograms per liter.

-- Not sampled.





**ATTACHMENT 2**

**FIGURE 1, PILOT STUDY RESULTS  
GERAGHTY & MILLER, DECEMBER 10, 1996**

Park Avenue

Holden Street

Horton Street

Approximate Direction of Groundwater Flow



MW-4

**DP-1**  
 8/21/95 - 25 gal 4:1  
 12/22/95 - 115 gal 4:1 with inoculation  
 3/14/96 - 100 gal 4:1 with inoculation + 150 mg B-12

ELECTRO-COATINGS

MW-10	Cr	Cr <sup>6+</sup>	TCE
8/21/95 - 140	160	11	
10/20/95 - 78	86	0.450	
2/16/96 - 16	23	4.2	
5/9/96 - 11	ND	4.4	

MW-20

MW-10

DP-1

OW-2	Cr	Cr <sup>6+</sup>	TCE
8/22/95 - 36	36	0.18	
10/20/95 - 51	58	0.2	
2/16/96 - 6.9	0.089	0.17	

MW-11	Cr	Cr <sup>6+</sup>	TCE
8/22/95 - 0.36	0.22	0.0047	
10/20/95 - 0.090	ND	ND	
2/16/96 - 0.43	ND	0.0022	

OW-1	Cr	Cr <sup>6+</sup>	TCE
8/22/95 - 19	22	0.077	
10/20/95 - 24	32	0.15	
2/16/96 - 4.8	ND	0.12	

MW-13

MW-14

MW-5

12/22/95: Inject 330 gal 10:1 with inoculation

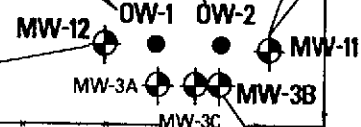
8/22-12/4/95: 50 gal 100:1 weekly  
 12/22/95: 158 gal 20:1 with inoculation  
 1/4/96: 150 gal 20:1 bi-weekly

MW-9

WAREHOUSE

LUMBER YARD

MW-12	Cr	Cr <sup>6+</sup>	TCE
8/22/95 - 7.8	8.6	0.036	
10/20/95 - 17	24	0.025	
2/16/96 - 16	1.3	0.17	
6/11/96 - 0.13	0.016	0.072	



MW-3B	Cr	Cr <sup>6+</sup>	TCE
8/22/95 - 13	12	0.29	
10/20/95 - 0.18	ND	0.018	
2/16/96 - 3.3	1.1	0.14	

**EXPLANATION**

MW-9 Monitor Well

OW-1 Observation Well

DP-1 Drivpoint

ND Not Detected - Below laboratory detection limits

MW-10 Monitor Well Analytical Data (mg/L)

OW-1 Injection Data (mg/L)



0 40  
SCALE FEET

DRAWING: PREVIOUS BASE MAP | PATH: PILOT TEST; F1 Pilot Test Results | APPROVAL: | ILLUSTRATOR: JFH



A Heidemij Company

Project No. RC0304.001

**PILOT STUDY RESULTS**  
**ELECTRO-COATINGS, INC.**  
 1401 and 1421 Park Avenue  
 Emeryville, California

**FIGURE**  
**1**

REVISION  
 Sept 11, 1998

**EXPLANATION**

Monitor Well  
MW-1

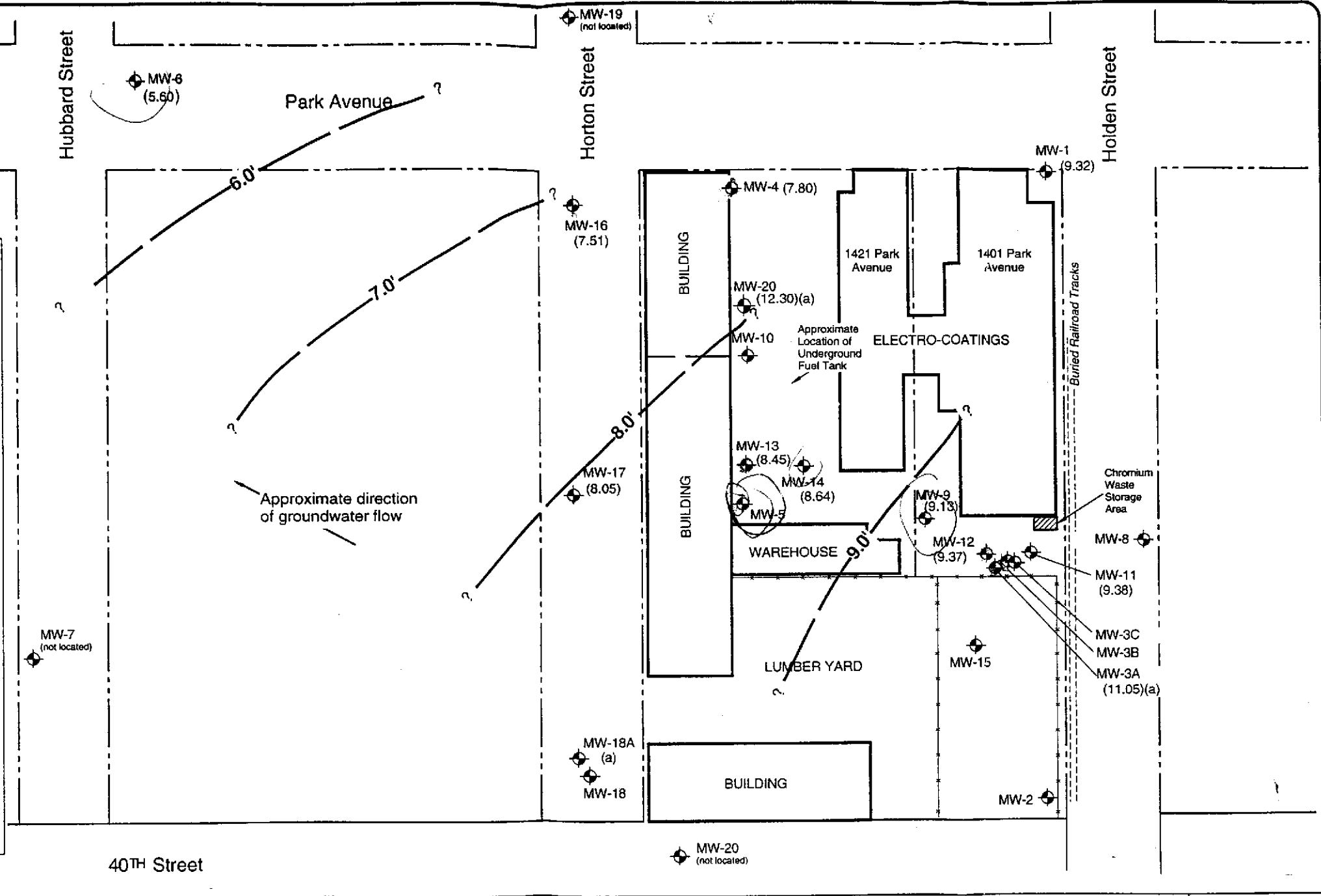
Groundwater elevation contour (feet); dashed where inferred; queried where uncertain  
8.0'

(7.44) Groundwater elevation (feet)

(a) Deep well - not used for groundwater monitoring

N

0 60  
SCALE FEET



**EXPLANATION**

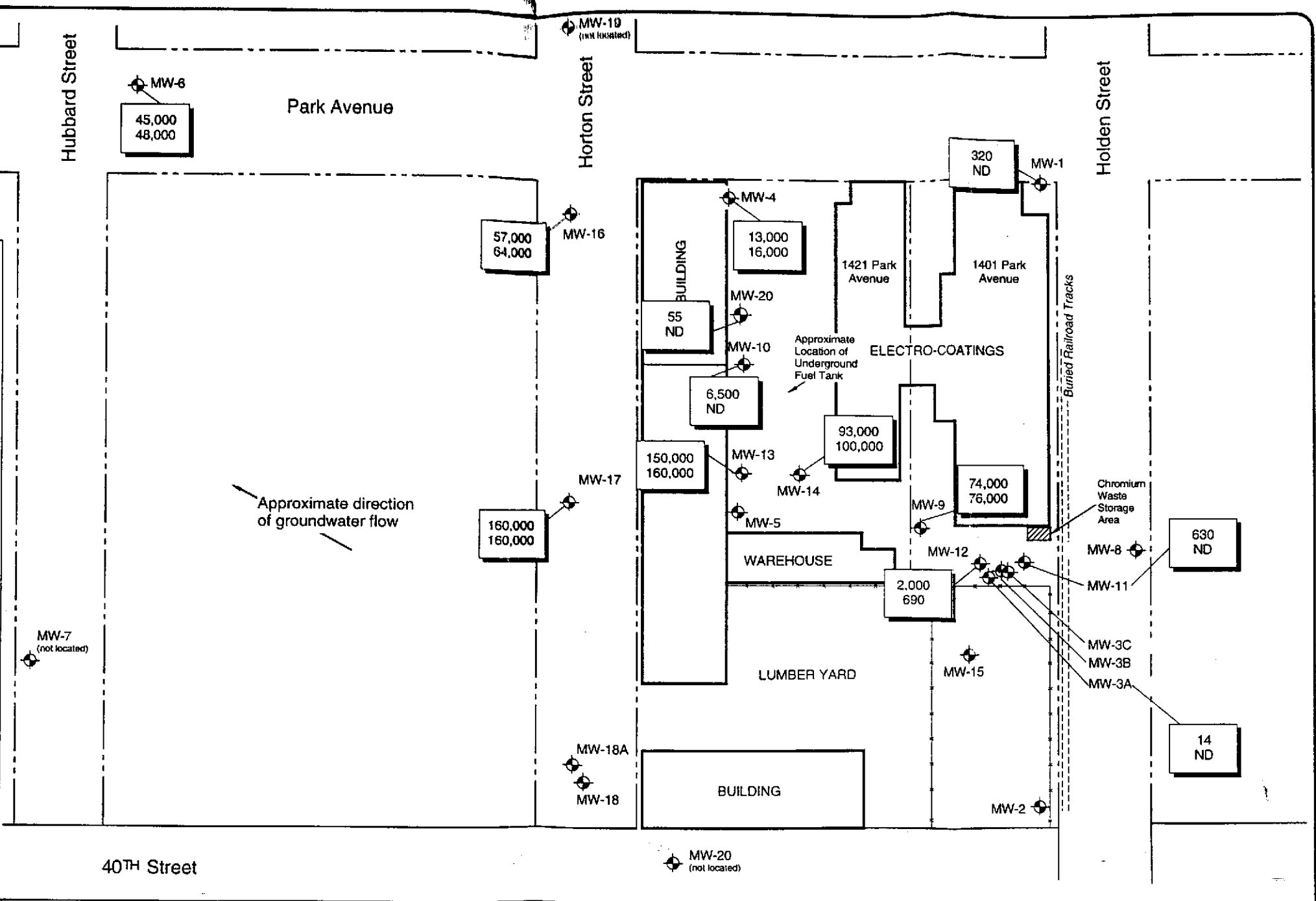
MW-1 Monitor Well

45,000 Total Chromium µg/L  
43,000 Hexavalent Chromium µg/L


ND Not Detected—below laboratory detection limits

Approximate direction of groundwater flow

0 60  
SCALE FEET

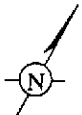


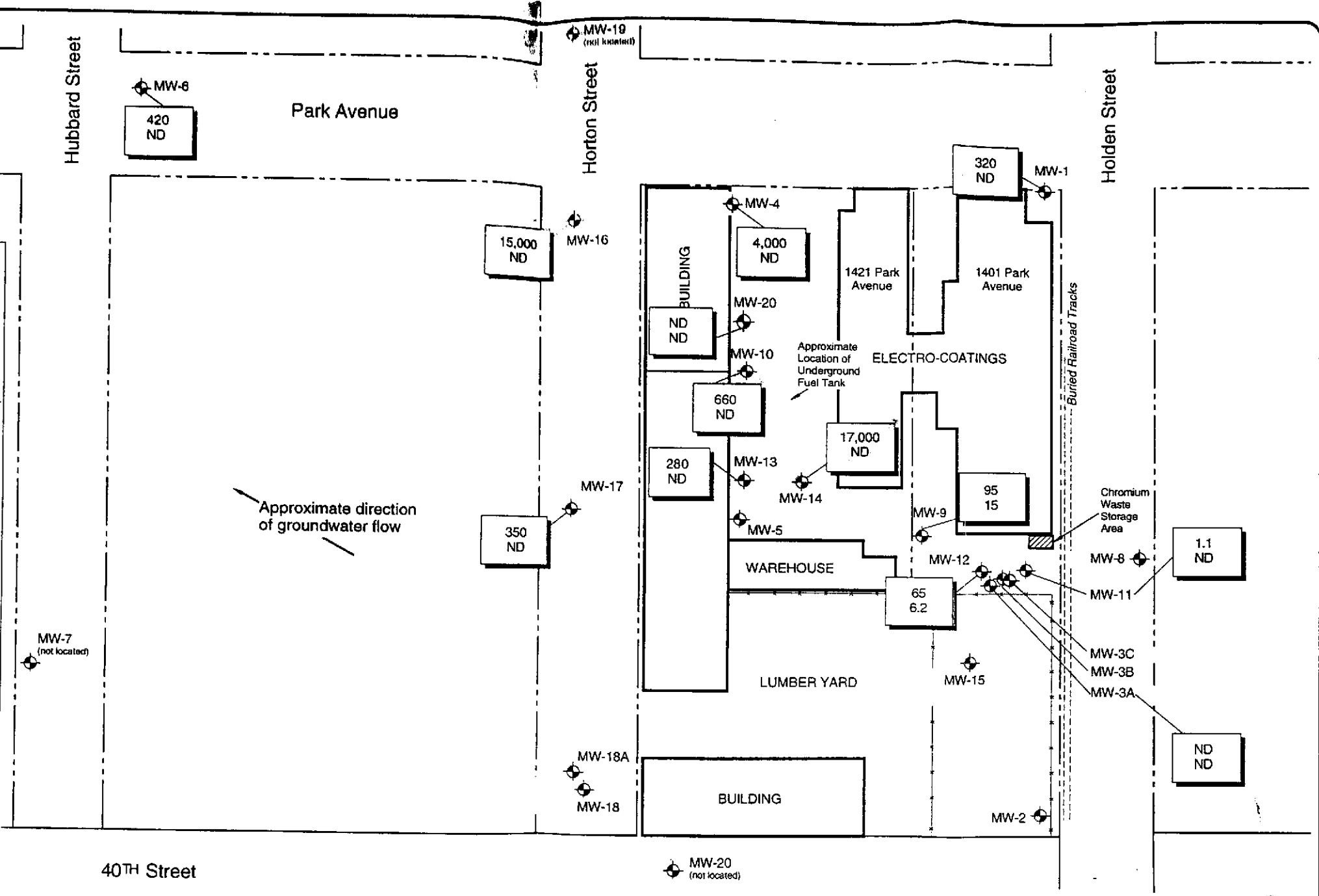
**EXPLANATION**

 Monitor Well  
 MW-1

10 — TCE measured in  $\mu\text{g/L}$   
 210 — PCE measured in  $\mu\text{g/L}$

ND — Not Detected—below laboratory detection limits

  
 SCALE FEET  
 0 60




**GERAGHTY & MILLER, INC.**  
 Environmental Services  
 A Heidemij Company  
 Project No. RC0304.000

**GROUNDWATER ANALYTICAL RESULTS—TCE and PCE—APRIL 1997**  
 Electro-Coatings, Inc.  
 1401 and 1421 Park Avenue  
 Emeryville, California

FIGURE  
**3**