Electro-Coatings Inc.
893 Carleton Street
Berkeley, CA 94710
Tel: 510/284-8332
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7/22/96

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
June 12, 1996

Dear Susan:

Enclosed is one copy of the subject report which was prepared for Electro-Coatings by Geraghty & Miller Inc. The next sampling event is scheduled for September, 1996.

Yours very truly,

Judy Garvens
Administrative Manager

cc: Mr. Sum Arigala, RWQCB

enclosure

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GERAGHTY
& MILLER, INC.
Environmental Services

a **heidemij** company

July 3, 1996
Project No. RC0304.003

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

SUBJECT: Quarterly Groundwater Sampling Results, Electro-Coatings Facility at 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 ECI at the Electro-Coatings Inc. (ECI) site referenced above. The scope of work for the quarterly sampling was presented in the Geraghty & Miller letter dated July 19, 1995. The Regional Water Quality Control Board (RWQCB) and the Alameda County Health Care Services Agency, Department of Environmental Health (ACDEH), reviewed and concurred with the scope of work (RWQCB letter to ECI dated July 28, 1995).

FIELD ACTIVITIES AND LABORATORY ANALYSIS

Monitoring Wells MW-4, MW-6, MW-13, MW-16, MW-17, MW-18, MW-18A, and MW-20 were sampled on June 11, 1996 and MW-3A and MW-12 were sampled on June 12, 1996 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.

1050 Marina Way South • Richmond, California 94804 • (510) 233-3200 • FAX (510) 233-3204

RESULTS

DEPTH TO WATER AND GROUNDWATER ELEVATIONS

Depth to water ranged from 2.29 feet below ground surface (Well MW-20) to 6.75 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 June 11 and 12, 1996, the direction of groundwater flow is toward the **west**, which is consistent with the previous sampling event (Geraghty & Miller, January 15, 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. In general, the highest concentrations of both total and hexavalent chromium were detected in wells to the west of the ECI building and in the wells in Horton Street. The highest concentrations of both total and hexavalent chromium were detected in Well MW-13, on the ECI site. Decreasing concentrations were detected with increased distance downgradient of the ECI site in Wells MW-6 and MW-16. Of the 10 wells sampled as part of the quarterly sampling program, three (MW-3A, MW-18A, and MW-20) are deep wells. Hexavalent chromium was was not detected in the water samples collected from these three deep wells. Total chromium was detected at 51 micrograms per liter (µg/L) in well MW-3A, 38 µg/L in well MW-18A, and 96 µg/L in well MW-20.

Purgeable Halocarbon Results

The historical and current analytical results for purgeable halocarbons are summarized in Table 4. Figure 3 presents the concentrations of trichloroethylene (TCE) and tetrachloroethylene (PCE) detected during the June 1996 sampling event. TCE, PCE, and cis- and trans-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 Wells MW-4 and MW-16, to the west of the ECI site. The concentration of TCE detected in the farthest downgradient well (Well MW-6) was approximately an order of magnitude less than the concentrations detected in Well MW-4. These results are similar to the results from the March 1996 sampling event.

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

for

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, June 1996 – Total Chromium and Hexavalent Chromium
	Figure 3	Groundwater Analytical Results, June 1996 – TCE and PCE
	Attachment 1	Copies of Laboratory Analytical Reports and Chain-of-Custody Documentation

Table 1: Summary of Field Sampling Data
Electro-Coatings, Inc.
1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Calculated Purge Volume (a) (gallons)	Actual Purge Volume (gallons)	Field Measurements pH	Field Measurements SC (µmhos/cm)	Field Measurements Temperature (°F)	Depth to Water (feet)	Measured Depth of Well (feet)	Casing Diameter (inches)
MW-3A	19-Sep-95	15	6 (c)	7.3	2,800	71.2	5.70	61.21	1.5
	14-Dec-95	3.41	4	7.0	2,000	65.6	5.00	16.10	
	6-Mar-96	17.34	8	6.0	1,190	76.5	4.73	61.05	
	12-Jun-96	17.57	8	6.0	620	65.4	5.28	61.05	
MW-4	19-Sep-95	4	4	7.1	1,970	70.9	6.50	19.9	1.5
	15-Dec-95	4.47	5	6.0	2,350	65.8	5.36	19.9	
	6-Mar-96	4.31	5	NM	2,050	69.3	5.90	19.9	
	11-Jun-96	4.16	5	6.0	1,030	70.7	6.39	19.9	
MW-6	19-Sep-95	3	5	7.0	1,482	70.3	3.72	16.24	1.5
	14-Dec-95	2.27	3	6.5	3,650	67.6	3.01	11.69	
	6-Mar-96	2.56	3	6.0	3,750	71.5	3.31	11.69	
	11-Jun-96	1.97	2	6.5	1,900	72.7	5.34	11.71	
MW-12	19-Sep-95	39	40	6.2	2,320	71.1	6.61	26.56	4
	14-Dec-95	56.10	60	6.0	2,180	69.1	5.12	26.70	
	6-Mar-96	54.70	55	6.0	2,570	71.9	5.61	26.65	
	12-Jun-96	52.75	55	6.0	1,200	65.5	6.46	26.75	
MW-13	19-Sep-95	36	35	6.4	2,610	69.6	6.94	15.00	6
	15-Dec-95	55.88	25 (b)	6.0	2,990	68.6	5.45	15.02	
	6-Mar-96	51.01	30 (b)	6.0	2,120	71.4	5.94	15.05	
	11-Jun-96	48.53	30 (b)	6.0	1,500	74.0	6.75	15.06	

Table 1: Summary of Field Sampling Data
Electro-Coatings, Inc.
1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Calculated Purge Volume (a) (gallons)	Actual Purge Volume (gallons)	Field Measurements: pH	Field Measurements: SC (μmhos/cm)	Field Measurements: Temperature (°F)	Depth to Water (feet)	Measured Depth of Well (feet)	Casing Diameter (inches)
MW-16	19-Sep-95	40	40	6.7	1,710	32.0	4.64	25.00	4
	14-Dec-95	54	55	6.5	2,750	64.4	4.28	25.05	
	6-Mar-96	54.70	55	6.0	1,800	59.8	4.01	25.05	
	11-Jun-96	53.37	55	6.0	1,370	77.5	4.50	25.03	
MW-17	19-Sep-95	39	40	6.8	2,410	72.1	4.78	24.5	4
	14-Dec-95	55.25	20 (b)	6.0	3,140	65.3	3.31	24.56	
	6-Mar-96	54.10	26 (b)	7.0	2,630	61.1	3.75	24.56	
	11-Jun-96	52.00	30 (b)	6.0	1,600	65.8	4.55	24.56	
MW-18	19-Sep-95	40	20 (b)	4.1	1,920	73.6	5.00	25.34	4
	14-Dec-95	56.86	57	5.0	3,140	69.2	3.48	25.35	
	6-Mar-96	55.69	55	5.0	2,480	69.0	3.96	25.38	
	11-Jun-96	53.56	55	5.0	1,280	64.8	4.86	25.46	
MW-18A	19-Sep-95	68	20 (c)	6.0	920	72.1	5.76	40.72	4
	15-Dec-95	91.31	40 (b)	6.5	1,960	64.9	5.66	40.72	
	6-Mar-96	96.17	80	6.0	810	67.8	3.86	40.85	
	11-Jun-96	93.47	95	6.0	680	65.2	4.85	40.8	

Table 1: Summary of Field Sampling Data
Electro-Coatings, Inc.
1401 and 1421 Park Avenue, Emeryville, California

Well	Date	Calculated Purge Volume (a) (gallons)	Actual Purge Volume (gallons)	Field Measurements: pH	SC (μmhos/cm)	Temperature (°F)	Depth to Water (feet)	Measured Depth of Well (feet)	Casing Diameter (inches)
MW-20	19-Sep-95	89	90	6.9	2,530	68.4	2.47	47.97	4
	15-Dec-95	116.87	120	7.0	2,560	70.6	2.95	47.90	
	6-Mar-96	121.44	125	6.0	950	69.9	1.43	48.14	
	11-Jun-96	119.15	120	6.0	780	68.5	2.29	48.12	

(a) Based on three casing volumes.
(b) Purged dry.
(c) Represents approximately one casing volume. Equipment problems encountered during sampling.

SC = Specific Conductance

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

Monitoring Well	Date Sampled	DTW (feet)	TOC (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-1	19-Apr-95	Not Located		--
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
MW-2	19-Apr-95	Not Located		--
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	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
MW-3B	19-Apr-95	6.76	16.3	9.54
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	6-Mar-96	NM		--
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		--
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
MW-5	19-Apr-95	6.95	15.87	8.92
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	6-Mar-96	NM		--

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

Monitoring Well	Date Sampled	DTW (feet)	TOC (feet - MSL)	Groundwater Elevation (feet - MSL)
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
MW-7	19-Apr-95	Not Located		--
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--
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		--
MW-9	19-Apr-95	6.67	16.03	9.36
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	6-Mar-96	NM		--
MW-10	19-Apr-95	6.94	15.1	8.16
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	6-Mar-96	NM		--
MW-11	19-Apr-95	6.38	15.94	9.56
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	6-Mar-96	NM		--
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

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

Monitoring Well	Date Sampled	DTW (feet)	TOC (feet - MSL)	Groundwater Elevation (feet - MSL)
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
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		--
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		--
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
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
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
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

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

Monitoring Well	Date Sampled	DTW (feet)	TOC (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-19	19-Apr-95	Not Located		--
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	6-Mar-96	NM		--
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
MW-21	19-Apr-95	Not Located		--
	19-Sep-95	NM		--
	14-Dec-95	NM		--
	6-Mar-96	NM		--
	11-Jun-96	NM		--

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**
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**
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)**

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-3B	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**
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**
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**

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**
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**
MW-7	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**

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-8	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**
MW-9	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**
MW-10	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**

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-11	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**
MW-12	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**

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-13	Jan-81	381,000	325,000
	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**
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**
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**

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-16	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**
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**
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**
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)**

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	NS	NS
	15-Dec-95	NS	NS
	8-Mar-96	NS	NS
	11-Jun-96	**NS**	**NS**
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)**
MW-21	Jun-83	20	ND (<20)
	Feb-85	40	ND (<20)
	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**

(a) Analysis by USEPA Method 200.7.
(b) Analysis by USEPA Method 7196.

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (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**										
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**										
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)**
MW-3B	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**										

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
MW-3C	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**										
MW-4	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)**
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**										
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)**

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
MW-7	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**										
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**										
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**										
MW-10	12-Jun-85	5,100	81	ND(<50)	ND(<50)	ND(<50)	NR	ND(<50)	NR	NR	NR	ND(<50)
	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**										

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
MW-11	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**										
MW-12	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**
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)**
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**										

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
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**										
MW-16	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**
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)**
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)**

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)
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)**
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 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**										
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 (<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 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**										
TB-LB	**11-Jun-96**	---	---	---	---	---	---	---	---	---	---	---

Notes appear on the following page.

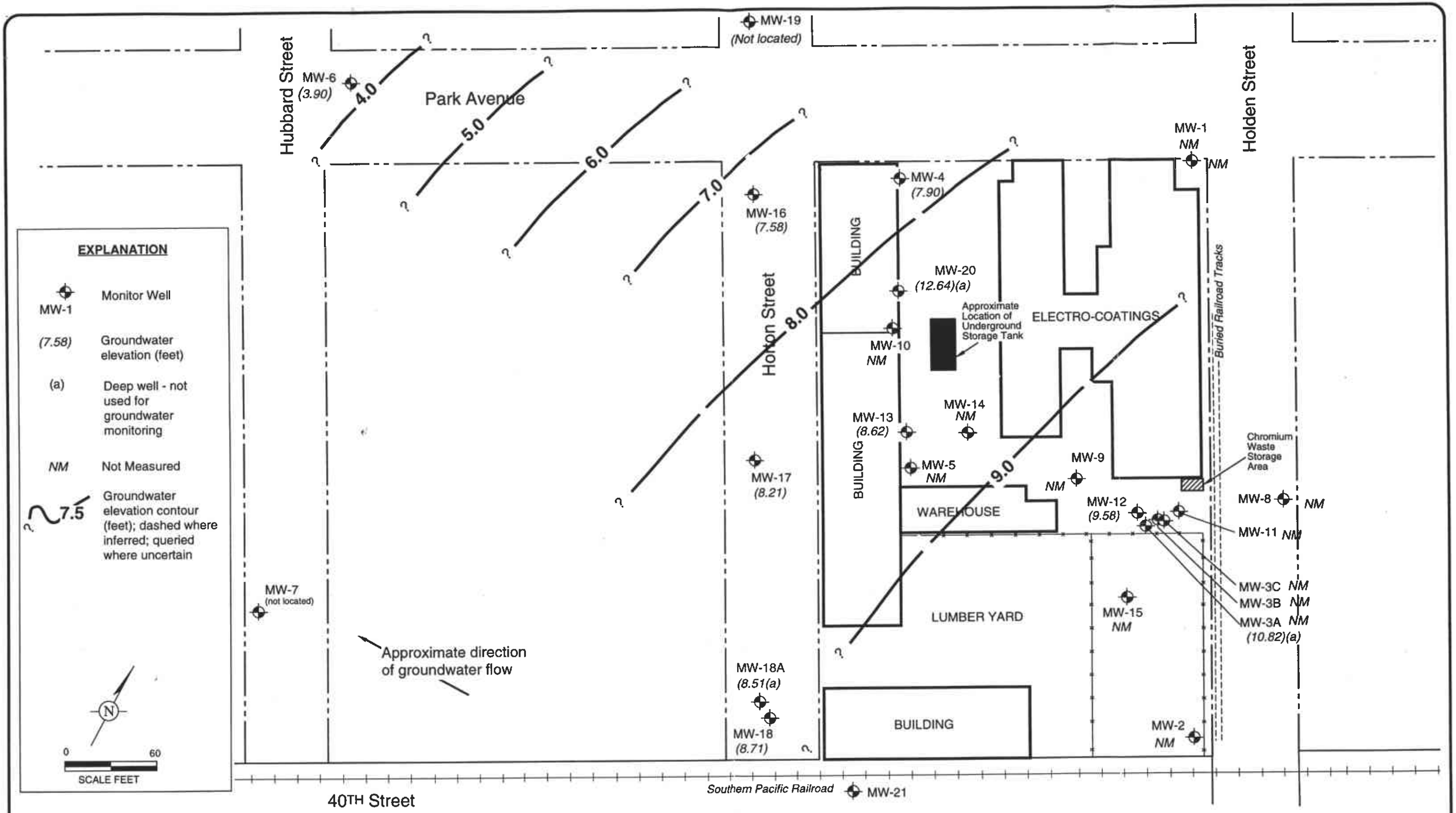
Table 4: Summary of Groundwater Analytical Data - Purgeable Halocarbons
Electro-Coatings Inc.
1401 and 1421 Park Avenue, Emeryville, California

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)	Chloro-benzene (µg/L) (a)	1,2-Dichloro-benzene (µg/L) (a)	Vinyl Chloride (µg/L) (a)

NR - Not Reported
NA - Not Analyzed

(a) Analysis by USEPA Method 8010

ND( ) Not detected; laboratory method detection limit in parentheses.
TB-LB Trip blank-laboratory blank.
µg/L Micrograms per liter.
--- Not sampled.

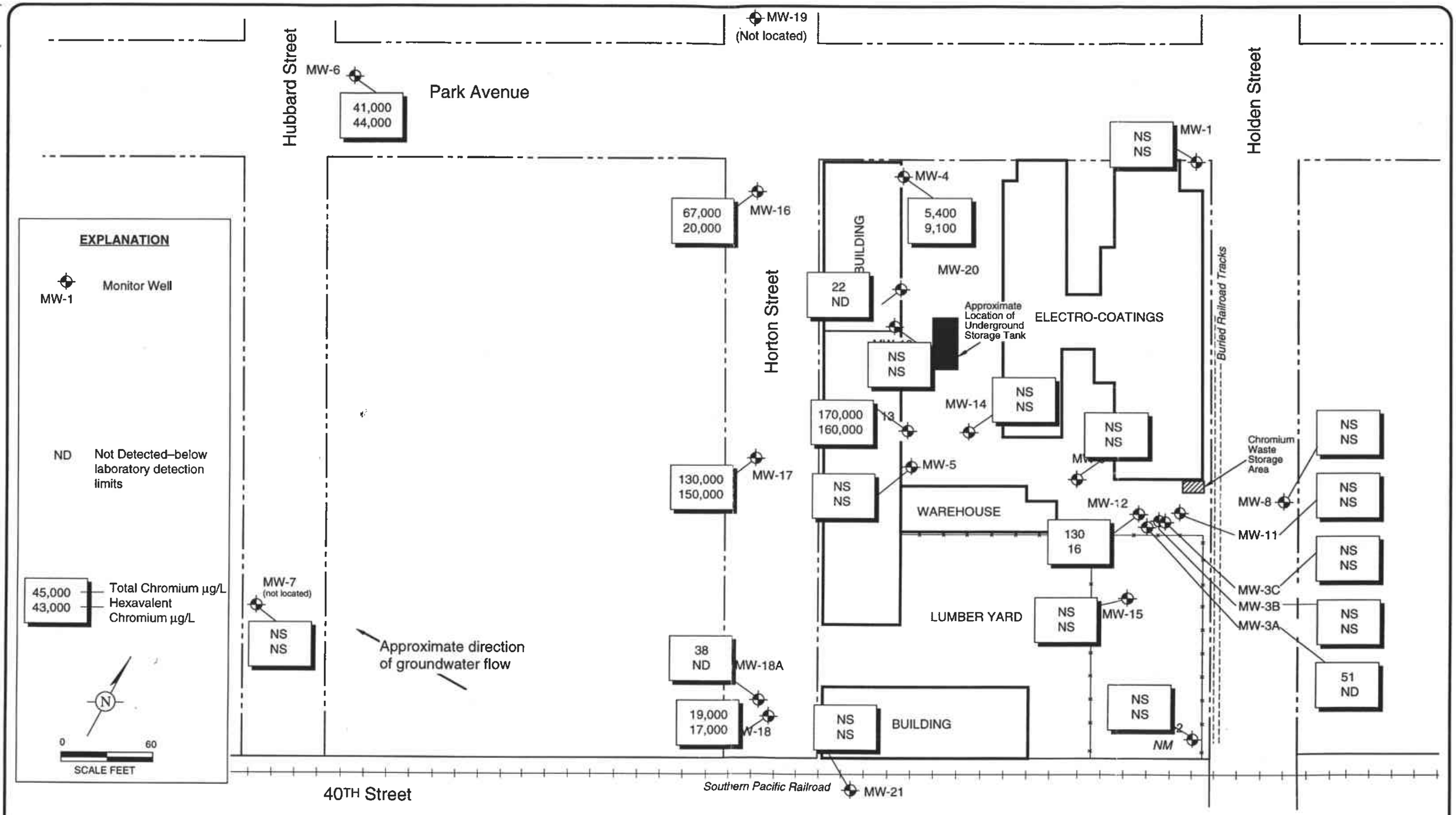


GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company

Project No. RC0304.000

GROUNDWATER CONTOUR MAP - JUNE 1996
Electro-Coatings, Inc.
1401 and 1421 Park Avenue
Emeryville, California

FIGURE
1



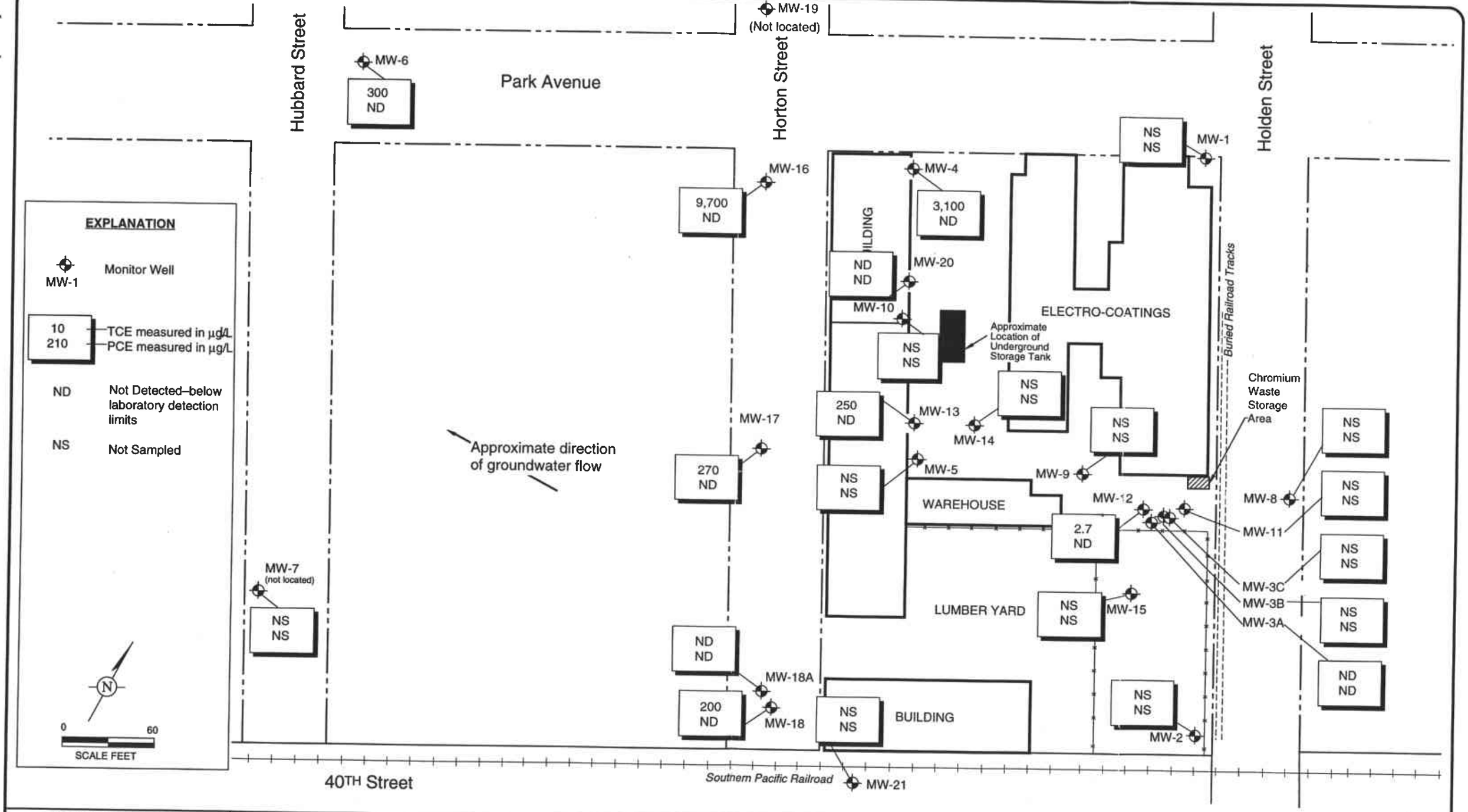
GERAGHTY & MILLER, INC.
Environmental Services
A **Heidemij** Company

Project No. RC0304.000

GROUNDWATER ANALYTICAL RESULTS—TOTAL CHROMIUM AND HEXAVALENT CHROMIUM—JUNE 1996

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

FIGURE
2



GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company

Project No. RC0304.000

GROUNDWATER ANALYTICAL RESULTS—TCE and PCE—JUNE 1996
Electro-Coatings, Inc.
1401 and 1421 Park Avenue
Emeryville, California

FIGURE
3

ATTACHMENT 1

COPIES OF LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled:	Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-4	Received:	Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0786	Reported:	Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	200	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	200	N.D.
2-Chloroethylvinyl ether	200	N.D.
Chloroform	100	N.D.
Chloromethane	200	N.D.
Dibromochloromethane	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	**100**	**280**
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Methylene chloride	1,000	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	**100**	**3,100**
Trichlorofluoromethane	100	N.D.
Vinyl chloride	200	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	74
4-Bromofluorobenzene	50	150	87

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-6	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0787	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**300**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	79
4-Bromofluorobenzene	50	150	86

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-13	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0784	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**250**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	70
4-Bromofluorobenzene	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-16	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0789	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	200	N.D.
Bromoform	200	N.D.
Bromomethane	400	N.D.
Carbon tetrachloride	200	N.D.
Chlorobenzene	200	N.D.
Chloroethane	400	N.D.
2-Chloroethylvinyl ether	400	N.D.
Chloroform	200	N.D.
Chloromethane	400	N.D.
Dibromochloromethane	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,4-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	200	N.D.
cis-1,2-Dichloroethene	**200**	**2,100**
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	**200**	**9,700**
Trichlorofluoromethane	200	N.D.
Vinyl chloride	**400**	**440**

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	80
4-Bromofluorobenzene	50	150	85

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Witner
Project Manager

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-17	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0788	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**270**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	74
4-Bromofluorobenzene	50	150	85

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-18	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0790	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**200**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	95
4-Bromofluorobenzene	50	150	93

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Winder
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-18A	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0791	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	72
4-Bromofluorobenzene	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wiger
Project Manager

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water, MW-20	Received: Jun 11, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Ted Crump	Lab Number:	606-0785	Reported: Jun 21, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	83
4-Bromofluorobenzene	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled:	Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water	Received:	Jun 11, 1996
Richmond, CA 94804	Analysis for:	Chromium	Digested:	Jun 13, 1996
Attention: Ted Crump	First Sample #:	606-0784	Analyzed:	Jun 13, 1996
			Reported:	Jun 21, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
606-0784	MW-13	0.010	170	ME0613962007MDA	MV-3
606-0785	MW-20	0.010	0.096	ME0613962007MDA	MV-3
606-0786	MW-4	0.010	5.4	ME0613962007MDA	MV-3
606-0787	MW-6	0.010	41	ME0613962007MDA	MV-3
606-0788	MW-17	0.010	130	ME0613962007MDA	MV-3
606-0789	MW-16	0.010	67	ME0613962007MDA	MV-3
606-0790	MW-18	0.010	19	ME0613962007MDA	MV-3
606-0791	MW-18A	0.010	0.038	ME0613962007MDA	MV-3

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 11, 1996
1050 Marina Way South	Sample Descript:	Water	Received: Jun 11, 1996
Richmond, CA 94804	Analysis for:	Hexavalent Chromium	
Attention: Ted Crump	First Sample #:	606-0784	Analyzed: Jun 11, 1996
			Reported: Jun 21, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
606-0784	MW-13	0.0050	160	IN061196719613A	INSPC-1
606-0785	MW-20	0.0050	N.D.	IN061196719613A	INSPC-1
606-0786	MW-4	0.0050	9.1	IN061196719613A	INSPC-1
606-0787	MW-6	0.0050	44	IN061196719613A	INSPC-1
606-0788	MW-17	0.0050	150	IN061196719613A	INSPC-1
606-0789	MW-16	0.0050	20	IN061196719613A	INSPC-1
606-0790	MW-18	0.0050	17	IN061196719613A	INSPC-1
606-0791	MW-18A	0.0050	N.D.	IN061196719613A	INSPC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Ted Crump

Client Project ID: #RC0304.002
Matrix: Liquid
QC Sample Group: 6060784-791

Reported: Jun 21, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium	Hexavalent Chromium
QC Batch#:	GC061496 801007A	GC061496 801007A	GC061496 801007A	ME061396 2007MDA	IN061196 7196I3A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 200.7	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	J. Kelly	R. Salinas
MS/MSD #:	6060464	6060464	6060464	6060590	6060791
Sample Conc.:	N.D.	N.D.	N.D.	45 mg/L	N.D.
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/11/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/11/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	7.8	8.4	7.4	47	0.052
MS % Recovery:	78	84	74	-	104
Dup. Result:	7.6	8.5	7.5	42	0.055
MSD % Recov.:	76	85	75	-	110
RPD:	2.6	1.2	1.3	11	5.6
RPD Limit:	0-25	0-25	0-25	0-20	0-20

LCS #:	LCS061496	LCS061496	LCS061496	LCS061396	LCS061196
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/11/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/11/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INSPC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	6.9	7.2	7.2	0.87	0.053
LCS % Recov.:	69	72	72	87	106

MS/MSD LCS Control Limits	65-135	70-130	70-130	80-120	70-130

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

J000202

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number RC0304-002

Project Location ECI / Emeryville

Laboratory Sequoia

Sampler(s)/Affiliation Geraghty & Miller
G. Crossley

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	Total Chromium 200.7	Hexavalent Chromium 7196	Halogenated Volatile Organics 8010							TOTAL
				SAMPLE BOTTLE / CONTAINER DESCRIPTION									
MW-13	L	6/11 12:40		X	X	X		6060784	AE				5
MW-20	L	6/11 12:30		X	X	X		6060785					5
MW-4	L	6/11 12:20		X	X	X		6060786					5
MW-6	L	6/11 10:20		X	X	X		6060787					5
MW-17	L	6/11 10:00		X	X	X		6060788					5
MW-16	L	6/11 9:45		X	X	X		6060789					5
MW-18	L	6/11 8:30		X	X	X		6060790					5
MW-18A	L	6/11 8:15		X	X	X		6060791					5
				24 Hr. hold time on CHROM IV									

P 5 50

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 40

					Seal Intact?
Relinquished by: Mark J. Cuy	Organization: Geraghty & Miller	Date 6/11/96	Time 1555		
Received by: [signature]	Organization: SOZ	Date 6/11/96	Time 1355		Yes No N/A
Relinquished by: [signature]	Organization: SAL	Date 6/11/96	Time 1315		Seal Intact?
Received by: [signature]	Organization: Seq	Date 6/11/96	Time 1515		Yes No N/A

Special Instructions/Remarks: 24 Hour Turn Around

Delivery Method: ☐ In Person ☐ Common Carrier _____ SPECIFY ☒ Lab Courier ☐ Other _____ SPECIFY

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 12, 1996
1050 Marina Way South	Sample Descript:	Water, MW-3A	Received: Jun 12, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Teresa Payne	Lab Number:	606-0945	Reported: Jun 19, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	73
4-Bromofluorobenzene	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 12, 1996
1050 Marina Way South	Sample Descript:	Water, MW-12	Received: Jun 12, 1996
Richmond, CA 94804	Analysis Method:	EPA 5030/8010	Analyzed: Jun 14, 1996
Attention: Teresa Payne	Lab Number:	606-0946	Reported: Jun 19, 1996

QC Batch Number: GC061496801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	2.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.0	N.D.
2-Chloroethylvinyl ether	2.0	N.D.
Chloroform	1.0	N.D.
Chloromethane	2.0	N.D.
Dibromochloromethane	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	**1.0**	**1.6**
1,2-Dichloroethane	**1.0**	**1.4**
1,1-Dichloroethene	**1.0**	**3.9**
cis-1,2-Dichloroethene	**1.0**	**39**
trans-1,2-Dichloroethene	**1.0**	**1.4**
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	1.0	N.D.
1,1,1-Trichloroethane	**1.0**	**2.6**
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	**1.0**	**2.7**
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	**2.0**	**13**

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	71
4-Bromofluorobenzene	50	150	92

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wiener
Project Manager

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 12, 1996
1050 Marina Way South	Sample Descript:	Water	Received: Jun 12, 1996
Richmond, CA 94804	Analysis for:	Chromium	Digested: Jun 13, 1996
Attention: Teresa Payne	First Sample #:	606-0945	Analyzed: Jun 19, 1996
			Reported: Jun 26, 1996

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
606-0945	MW-3A	0.010	0.051	ME0613962007MDA	MV-3
606-0946	MW-12	0.010	0.13	ME0613962007MDA	MV-3

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Sequoia Analytical

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Geraghty & Miller, Inc.	Client Project ID:	#RC0304.002	Sampled: Jun 12, 1996
1050 Marina Way South	Sample Descript:	Water	Received: Jun 12, 1996
Richmond, CA 94804	Analysis for:	Hexavalent Chromium	
Attention: Teresa Payne	First Sample #:		Analyzed: Jun 13, 1996
			Reported: Jun 26, 1996

LABORATORY ANALYSIS FOR: Hexavalent Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
000-0000	MW-3A	0.0050	N.D.	IN0613967196I3A	INSPC-1
000-0001	MW-12	0.0050	0.016	IN0613967196I3A	INSPC-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

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Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Teresa Payne

Client Project ID: #RC0304.002
Matrix: Liquid
QC Sample Group: 6060945-946

Reported: Jun 26, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Chromium	Hexavalent Chromium
QC Batch#:	GC061496 801007A	GC061496 801007A	GC061496 801007A	ME061396 2007MDA	IN061396 719613A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 200.7	EPA 7196
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 200.7	EPA 7196
Analyst:	I. Dalvand	I. Dalvand	I. Dalvand	J. Kelly	Y. Borinshteyn
MS/MSD #:	6060464	6060464	6060464	6060590	6060945
Sample Conc.:	N.D.	N.D.	N.D.	45 mg/L	N.D.
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/13/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/13/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INPSC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
Result:	7.8	8.4	7.4	47	0.048
MS % Recovery:	78	85	74	-	96
Dup. Result:	7.6	8.5	7.5	42	0.050
MSD % Recov.:	76	85	75	-	100
RPD:	2.6	1.2	1.3	11	4.1
RPD Limit:	0-25	0-25	0-25	0-20	0-20

LCS #:	LCS061496	LCS061496	LCS061496	LCS061396	LCS061396
Prepared Date:	6/14/96	6/14/96	6/14/96	6/13/96	6/13/96
Analyzed Date:	6/14/96	6/14/96	6/14/96	6/19/96	6/19/96
Instrument I.D.#:	HP-7	HP-7	HP-7	MV-3	INPSC-1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	1.0 mg/L	0.050 mg/L
LCS Result:	6.9	7.2	7.2	0.87	0.048
LCS % Recov.:	69	72	72	87	96

MS/MSD LCS Control Limits	65-135	70-130	70-130	80-120	70-130

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.______

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

9606242

Project Number RC0304.002

Project Location ECI Emeryville

Laboratory Sequoia

Sampler(s)/Affiliation Geraghty a Miller G. Crowley

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	Total Chromium 200-7	Hexavalent Chromium 7196	Halogenated Volatile organics 8010	SAMPLE BOTTLE / CONTAINER DESCRIPTION						TOTAL
MW-3A	L	6/12 7:00		X	X	X	6060945 A-E						5
MW-12	L	6/12 6:50		X	X	X	6060946 ↓						5

3 8 25

Note - 24 HR hold time on Chrom VI

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers 10

Relinquished by: [signature]	Organization: Geraghty a Miller	Date 6/12/96	Time 1205	Seal Intact? (Yes) No N/A
Received by: [signature]	Organization: SAL	Date 6/12/96	Time 1205	
Relinquished by: [signature]	Organization: SAL	Date 6/12/96	Time 1810	Seal Intact? (Yes) No N/A
Received by: [signature]	Organization: SAL	Date 6/12/96	Time 1810	

Special Instructions/Remarks: ~~24 Hour Turnaround~~ FAX to T. Payne

Delivery Method: ☐ In Person ☐ Common Carrier ______ SPECIFY ☒ Lab Courier ☐ Other ______ SPECIFY