



**Electro-
Coatings
Inc.**

ENVIRONMENTAL
PROTECTION

99 OCT 15 PM 4: 01

1401 Park Avenue
Emeryville, CA 94608
Tel: 510/450-9790
Fax: 510/655-0509

January 19, 1996

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

RE: Quarterly Groundwater Monitoring Report, May 1999

Dear Susan:

Enclosed is the above referenced report for sampling done at 1401 & 1421 Park Avenue, Emeryville.

As you can see, the good news continues. Next event in May.

Sincerely,

Jeff Garvens

phone: 510-450-9790 Ext. 103

e-mail: jeff@electro-coatings.com

cc: Mr. Mark Johnson, RWQCB
Ron Silberman, Fordam Properties

enclosure

1401 Park Ave.; Emeryville, CA 94608
Phone: 510-450-9790 • Fax: 510-655-0506

QUARTERLY GROUNDWATER SAMPLING RESULTS

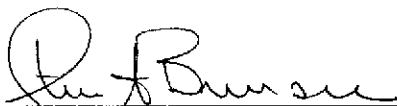
May 1999

FORMER ELECTRO-COATINGS, INC. FACILITY
1401 PARK AVENUE
1421 ASSOCIATES PROPERTY, 1421 PARK AVENUE
EMERYVILLE, CALIFORNIA

Prepared by

ARCADIS Geraghty & Miller, Inc.

August 31, 1999



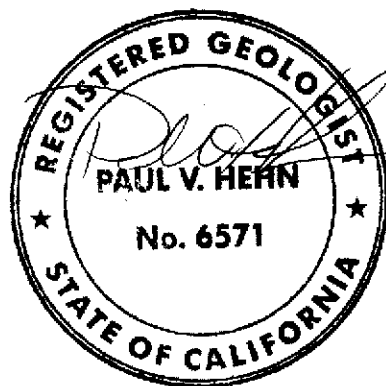
Steven J. Brussee
Project Manager/Project Engineer



Paul V. Hehn, RG
Project Geologist



Dennis P. Maslonkowski
Principal Hydrogeologist



Former Electro-Coatings,
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1401 Park Avenue;
1421 Associates Property,
1421 Park Avenue,
Emeryville, California

Introduction

Groundwater Monitoring

This report presents the results of the May 1999 groundwater monitoring event performed by ARCADIS Geraghty & Miller on behalf of Electro-Coatings, Inc. (ECI) at the former Electro-Coatings, Inc. facility at 1401 Park Avenue and at the 1421 Associates Property at 1421 Park Avenue (the sites) in Emeryville, California (Figure 1).

Groundwater monitoring wells at the sites are sampled each quarter, as proposed by ECI and ARCADIS Geraghty & Miller in our April 27, 1996 letter to the Alameda County Health Care Services Agency, Department of Environmental Health (ACDEH). MW-18, MW-18A, and MW-20 are monitored semi-annually.

The data from the groundwater monitoring events are being used to evaluate the concentrations of halogenated volatile organic compounds (HVOCs), chromium (Cr), and hexavalent chromium (Cr[VI]) in groundwater at the site and downgradient from the site.

Remediation-in-Progress, Reactive Zone Technology

In 1995 and 1996, ARCADIS Geraghty & Miller conducted a six-month pilot study at the site to evaluate a patented ARCADIS Geraghty & Miller in-situ Reactive Zone Technology. Based on

the successful results of this pilot study, a full scale, on-site implementation of this remediation technology was initiated in April 1997.

ARCADIS Geraghty & Miller has installed over 100 temporary injection points throughout the sites. A proprietary mixture has been injected into the temporary injection points during two discrete injection events. The proprietary mixture includes non-petroleum organic compounds, an engineered additive of bio-nutrients, and a microbial inoculant. Three injection events have been completed at the site to date. The first event was completed in April 1997; the second event was completed in February 1998; a third, partial event was completed in March 1999. The injections for the third event focused on the former source areas near the southern portion of the site.

Data from the groundwater monitoring program is being used to evaluate the progress of the on-site remediation in progress. These data are presented and discussed below.

Field Activities and Laboratory Analyses

The groundwater monitoring wells sampled during this groundwater monitoring event include MW-1, MW-3A, MW-3B, MW-4, MW-5, MW-6, MW-9, MW-10, MW-12, MW-13, MW-14, MW-16, MW-17, MW-18, MW-18A, and MW-20 (Figure 1).

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Prior to sampling, depth-to-water measurements were obtained from each well (Table 1).

The wells were then low-flow sampled using an above-ground peristaltic pump. The low-flow sampling procedure was conducted according to the protocol described in the United States Environmental Protection Agency (USEPA) publication entitled *Ground Water Issue, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (EPA/540/S-95/504).

During the low-flow sampling procedure, new polyethylene tubing was used for each well. The intake of the tubing was placed at approximately the middle of the screened interval for each well. During the sampling process, groundwater was extracted from each well at approximately ½ liter per minute; groundwater quality parameters (pH, specific conductance, temperature, redox, and dissolved oxygen) were monitored during the sampling process (Table 2). Upon stabilization of these groundwater quality parameters, groundwater samples were collected from the effluent port of the low-flow sampling apparatus. The samples were collected into USEPA-approved containers, placed on ice, and transported to Sequoia Analytical, a State-certified laboratory, under chain-of-custody documentation, for the analyses indicated in Tables 3 and 4.

Note: The analytical laboratory did not analyze the May 1999 groundwater

samples for hexavalent chromium within the USEPA-approved hold-time guidelines for hexavalent chromium samples. Therefore, all wells at the sites were resampled in June 1999; samples collected during the June event were analyzed for total chromium and hexavalent chromium only. (The May 1999 samples for HVOC analysis were analyzed within the approved hold-time.)

During the June 1999 re-sampling event, no depths-to-water or groundwater parameters were measured or recorded. Only pH was monitored during the purging event to determine when the purged water was representative of the aquifer conditions. When the pH had stabilized, groundwater samples were collected according to the above-described protocol.

Results & Discussion

Overview

The groundwater monitoring wells which are sampled as part of the groundwater monitoring events include both on-site and off-site wells. To date, remediation activities have been implemented only onsite at the 1401 and 1421 Park Avenue sites. The groundwater monitoring wells, as presented in Tables 3 and 4 (analytical results), are grouped by their location (onsite versus offsite).

- Sampled on-site wells include MW-1, MW-3A, MW-3B, MW-4,

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MW-5, MW-9, MW-10, MW-12,
MW-13, MW-14, and MW-20.

Wells MW-3A and MW-20 are
deeper wells and are screened be-
low the uppermost water-bearing
zone.

- Sampled off-site wells (wells not
within the on-site remediation
area) include MW-6 (the furthest
downgradient monitoring well),
MW-16 (the nearest off-site well),
MW-17, MW-18, and MW-18A.
MW-18 and MW-18A are cross-
gradient wells; MW-18A is a
deeper well and is screened below
the uppermost water-bearing zone.

Groundwater Elevations

Groundwater elevations for the shal-
low-zone wells ranged from 10.75 feet
above mean sea level (msl) (MW-9) to
5.55 feet msl (MW-6). Historic and
current depth-to-water measurements
and calculated groundwater elevations
are presented in Table 1.

The groundwater elevations and
groundwater contours in the upper
water-bearing zone for the May 1999
sampling event are presented in
Figure 2. Based on the depth-to-water
data recorded on May 20, 1999, the
direction of groundwater flow is to-
ward the northwest, which is consistent
with the previous sampling event
(February 2, 1999).

Low-Flow Sampling

Low-flow sampling was first imple-
mented at the sites during the July
1998 sampling event. Low-flow sam-
pling is likely to produce groundwater
samples which more accurately reflect
actual subsurface conditions. Low-flow
sampling also generates far less purge
water than does conventional purge-
and-sample techniques. These consid-
erations prompted ARCADIS Geraghty
& Miller and ECI to implement the
low-flow protocol for all wells sam-
pled both on- and off-site.

Low-flow sampling techniques which
use an above-ground peristaltic pump
necessarily place a negative gauge
pressure on the in-well sample tubing.
This condition has the potential to
volatilize HVOCs present in the water
column within the in-well tubing,
thereby producing analytical results
which are not representative of actual
subsurface conditions (i.e., falsely
low).

To evaluate whether this sampling
technique has had a deleterious effect
on the groundwater samples which
have been collected, ARCADIS Ger-
aghty & Miller and ECI have com-
pared the data sets for two groups of
wells. The first group of wells includes
those wells within the remediation area
(on-site), in which marked decreases in
the concentrations of HVOCs have
been recorded. The second group of
wells includes those wells on- and off-
site which are not in the remediation

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area, specifically MW-1 (on-site), MW-6, MW-17, MW-18, and MW-18A (all off-site). Both groups of wells are sampled identically. However, none of the wells in the second group shows the HVOC-concentration trends apparent in the wells of the first group. Therefore, we conclude that the above-ground peristaltic pump low-flow sampling technique being used at the site has produced representative groundwater samples. The lower results on site appear to be the result of ARCADIS Geraghty & Miller remediation activities.

Results of Remediation Activities

Chromium

Cumulative analytical results for hexavalent and total chromium are summarized in Table 3; the current results are presented in Figure 3. Trend analyses of concentrations of hexavalent chromium in on-site wells are presented in Chart 1.

Since the implementation of full-scale on-site remediation activities for the 1401 and 1421 Park Avenue sites in April 1997, the concentrations of total and hexavalent chromium detected in on-site groundwater monitoring wells (within the remediation area) have decreased dramatically.

- The average concentration of total chromium in these wells has decreased by approximately 97%

from 65,670 micrograms per liter ($\mu\text{g/L}$) (March 1996) to 1,320 $\mu\text{g/L}$ (June 1999).

- The average concentration of hexavalent chromium in these wells has decreased by greater than 99.9% from 74,350 $\mu\text{g/L}$ (March 1996) to 20 $\mu\text{g/L}$ (June 1999).
- Two on-site groundwater monitoring wells with historic concentrations of hexavalent chromium in excess of 100,000 $\mu\text{g/L}$ (MW-13 and MW-14) are now non-detect for hexavalent chromium (less than 50.0 $\mu\text{g/L}$).

Errata

The analytical results reported by the laboratory for hexavalent chromium for the sampling event conducted in September 1996 were unexpectedly low. The laboratory reported values which were, in most cases, one order of magnitude lower than might have been expected based on results obtained prior to and following the September 1996 event. The September 1996 data presented in Table 3 are presented as they were reported by the analytical laboratory. However, the data have been corrected by a factor of 10 for preparation of Chart 1, Concentrations of Hexavalent Chromium in On-Site Wells.

The reported concentrations of hexavalent chromium in off-site monitoring wells MW-6 and MW-17 were two orders of magnitude less for the Octo-

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ber 1998 event, but have returned to historically-reported values for the February 1999 event. ARCADIS Geraghty & Miller believes the data reported for hexavalent chromium for these wells in October to be a laboratory error.

Halogenated Volatile Organic Compounds

The cumulative analytical results for halogenated volatile organic compounds (HVOCs) are summarized in Table 4 and presented in Figure 4. Trend analyses of concentrations of selected HVOCs in on-site wells are presented in Chart 2.

Since the implementation of full scale, on-site remediation for the 1401 and 1421 Park Avenue sites in April 1997, the reported concentrations of HVOCs in groundwater samples obtained from the on-site wells have changed significantly.

- The average concentration of TCE in the on-site groundwater monitoring wells within the remediation area has decreased by greater than 97% from 3,040 µg/L (April 1995) to 90 µg/L (May 1999).
- The average concentrations of biodegradation daughter products (i.e., cis-1,2 DCE and vinyl chloride) initially increased following the initiation of the remediation program and have subsequently shown decreasing trends.

The concentration trends for TCE, as well as for PCE, cis-1,2-DCE, and vinyl chloride are graphically depicted in Chart 2.

MW-6, the furthest down-gradient groundwater monitoring well shows a detection for TCE of 16 µg/L, one order of magnitude less than previously reported (230 µg/L, February 1999). The reason for this decrease is not unknown.

Results for the other off-site wells, MW-17, MW-18, and MW-18A show detections consistent with previous results.

Continuing Remediation Activities

The remediation activities implemented at the sites to date were designed to address the presence of hexavalent chromium and HVOCs at the sites.

ARCADIS Geraghty & Miller and ECI are also preparing an off-site remediation plan. This work plan is being prepared pursuant to a meeting between Mark Johnson and Derek Lee of the RWQCB, Judy Garvens of ECI, and Steve Brussee and Gary Keyes of ARCADIS Geraghty & Miller held at the site on February 3, 1999. We expect to submit the work plan for this proposed off-site remediation work by late summer of 1999.

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Tables:

Table 1	Summary of Groundwater Elevation Data
Table 2	Summary of Field Sampling Data
Table 3	Summary of Groundwater Analytical Data – Total and Hexavalent Chromium
Table 4	Summary of Groundwater Analytical Data Halogenated Volatile Organic Compounds

Figures:

Figure 1	Site Plan
Figure 2	Groundwater Elevation Contours (May 1999)
Figure 3	Hexavalent Chromium Concentrations in Groundwater (June 1999)
Figure 4	TCE Concentrations in Groundwater (May 1999)

Charts:

Chart 1	Concentrations of Hexavalent Chromium in On-Site Wells
Chart 2	Concentrations of TCE in On-Site Wells

Appendix:

Appendix A	Copies of Laboratory Analytical Reports and Chain-of-Custody Documentation
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Table 1: Summary of Groundwater Elevation Data

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-1 (on-site)	19-Apr-95		Not Located		--
	12-Sep-96	21.0-29.0	6.15	15.19	9.04
	7-Apr-97		5.87		9.32
	29-Sep-97		9.08		6.11
	22-Apr-98		5.76		9.43
	27-Jul-98		5.89		9.30
	8-Oct-98		5.91		9.28
	2-Feb-99		5.37		9.82
	19-May-99			6.00	
MW-3A (on-site) (deep well)	19-Apr-95	57.0-61.0	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
	30-Jun-97		4.64		11.46
	29-Sep-97		5.50		10.60
	4-Dec-97		4.65		11.45
	22-Apr-98		4.65		11.45
	27-Jul-98		4.83		11.27
	8-Oct-98		5.74		10.36
2-Feb-99		5.59		10.51	
19-May-99			4.83		11.27
MW-3B (on-site)	19-Apr-95	16.0-18.0	6.76	16.3	9.54
	22-Apr-98		5.75		10.55
	27-Jul-98		6.08		10.22
	8-Oct-98		6.55		9.75
	2-Feb-99		5.43		10.87
	20-May-99			6.45	

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 Emeryville, California

Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-3C (on-site)	19-Apr-95	11.0-14.0	6.19	16.21	10.02
	MW-4 (on-site)	19-Apr-95	16.0-20.0	6.52	14.29
	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
	30-Jun-97		6.49		7.80
	29-Sep-97		6.59		7.70
	1-Dec-97		5.37		8.92
	22-Apr-98		6.47		7.82
	27-Jul-98		6.54		7.75
	8-Oct-98		6.55		7.74
	2-Feb-99		6.02		8.27
	19-May-99		5.44		8.85
MW-5 (on-site)	19-Apr-95	11.0-15.0	6.95	15.87	8.92
	30-Jun-97		6.84		9.03
	29-Sep-97		7.82		8.05
	22-Apr-98		6.50		9.37
	27-Jul-98		7.48		8.39
	8-Oct-98		7.72		8.15
	2-Feb-99		6.50		9.37
	21-May-99		6.48		9.39

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Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-9 (on-site)	19-Apr-95	17.5-24.5	6.67	16.03	9.36
	12-Sep-96		6.71		9.32
	7-Apr-97		6.90		9.13
	29-Sep-97		6.55		9.48
	1-Dec-97		4.83		11.20
	22-Apr-98		5.92		10.11
	27-Jul-98		6.13		9.90
	8-Oct-98		6.50		9.53
	2-Feb-99		5.36		10.67
	19-May-99		5.28		10.75
MW-10 (on-site)	19-Apr-95	17.5-24.5	6.94	15.1	8.16
	29-Sep-97		7.10		8.00
	1-Dec-97		5.50		9.60
	22-Apr-98		6.62		8.48
	27-Jul-98		6.95		8.15
	8-Oct-98		7.10		8.00
	2-Feb-99		6.43		8.67
	19-May-99		NM		NM
MW-11 (on-site)	19-Apr-95	16.0-29.0	6.38	15.94	9.56
	12-Sep-96		6.40		9.54
	7-Apr-97		6.56		9.38
	29-Sep-97		5.80		10.14

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Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-12 (on-site)	19-Apr-95	17.5-28.5	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
	30-Jun-97		6.19		9.85
	29-Sep-97		6.36		9.68
	1-Dec-97		4.66		11.38
	22-Apr-98		5.53		10.51
	27-Jul-98		5.94		10.10
	8-Oct-98		6.25		9.79
2-Feb-99	5.30	10.74			
20-May-99	5.96	10.08			
MW-13 (on-site)	19-Apr-95	10.5-15.5	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
	30-Jun-97		6.66		8.71
	29-Sep-97		6.87		8.50
	1-Dec-97		5.15		10.22
	22-Apr-98		6.31		9.06
	27-Jul-98		6.58		8.79
	8-Oct-98		7.00		8.37
2-Feb-99	6.03	9.34			
19-May-99	6.96	8.41			

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Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-14 (on-site)	19-Apr-95	15.0-25.0	6.71	15.49	8.78
	12-Sep-96		6.74		8.75
	7-Apr-97		6.85		8.64
	29-Sep-97		6.60		8.89
	1-Dec-97		4.78		10.71
	27-Jul-98		6.92		8.57
	8-Oct-98		NM		NM
	2-Feb-99		5.95		9.54
	19-May-99		7.30		8.19
MW-20 (on-site) (deep well) (semi annual)	19-Apr-95	31.0-51.0	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
	7-Apr-97		2.63		12.30
	29-Sep-97		2.90		12.03
	22-Apr-98		1.77		13.16
	27-Jul-98		2.63		12.30
	2-Feb-99		2.23		12.70
	19-May-99		2.46		12.47

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Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-6 (off-site)	19-Apr-95	13.0-17.0	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
	30-Jun-97		3.57		5.67
	29-Sep-97		3.56		5.68
	1-Dec-97		3.14		6.10
	22-Apr-98		3.51		5.73
	27-Jul-98		3.01		6.23
	8-Oct-98		3.34		5.90
	2-Feb-99		2.71		6.53
19-May-99			3.69		5.55
MW-8 (off-site)	19-Apr-95	16.0-22.0	5.50	16.42	10.92
			NL		
MW-15 (off-site)	19-Apr-95	15.0-25.0	7.94	17.26	9.32
	19-Sep-95		NL		--

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Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-16 (off-site)	19-Apr-95	12.0-22.0	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
	30-Jun-97		4.55		7.53
	29-Sep-97		4.63		7.45
	1-Dec-97		3.51		8.57
	22-Apr-98		4.40		7.68
	27-Jul-98		4.49		7.59
	8-Oct-98		4.62		7.46
2-Feb-99	4.40	7.68			
19-May-99	4.56	7.52			
MW-17 (off-site)	19-Apr-95	10.0-20.0	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
	30-Jun-97		4.55		8.21
	29-Sep-97		4.66		8.10
	1-Dec-97		3.49		9.27
	22-Apr-98		4.10		8.66
	27-Jul-98		4.43		8.33
	8-Oct-98		4.69		8.07
2-Feb-99	3.91	8.85			
19-May-99	4.43	8.33			

ARCADIS GERAGHTY & MILLER

Table 1: Summary of Groundwater Elevation Data
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Screened Interval (feet, bgs)	Depth-to-Water (feet)	Top of Casing (feet - MSL)	Groundwater Elevation (feet - MSL)
MW-18 (off-site) (semi-annual)	19-Apr-95	15.0-25.0	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
	30-Jun-97		4.69		8.88
	29-Sep-97		5.01		8.56
	22-Apr-98		4.14		9.43
	27-Jul-98		4.54		9.03
	2-Feb-99		4.30		9.27
	19-May-99		4.84		8.73
MW-18A (off-site) (deep well) (semi-annual)	19-Apr-95	35.0-50.0	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
	30-Jun-97		5.08		8.28
	29-Sep-97		5.26		8.10
	22-Apr-98		4.15		9.21
	27-Jul-98		4.86		8.50
	2-Feb-99		4.05		9.31
	19-May-99		4.64		8.72
MW-19 (off-site)	19-Apr-95	10.0-25.0	NL		NL
MW-21 (off-site)	19-Apr-95	10.0-25.0	NL		NL
MW-2	19-Apr-95	14.0-21.0	NL		NL
MW-7	19-Apr-95	10.0-13.0	NL		NL

NL = Monitoring well has not been located by ARCADIS Geraghty & Miller.

NM = Not measured

MSL = mean sea level

bgs = below ground surface

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (μ S)	Temp ($^{\circ}$ C)	Temp ($^{\circ}$ F)	DO (mg/L)	Redox (mV)
MW-1 (on-site)	13-Sep-96	59	45	6.0	570	18.0	64.4		
	8-Apr-97	45	23	6	730	14.3	57.7		
	30-Sep-97	39	11	8.0	590	19.4	67		
	22-Apr-98	46	17 (b)	7.6	660	26.2	79		
	27-Jul-98	NA	7	7.0	580	21.6		0.78	-4
	8-Oct-98	NA	7	6.9	730	19.4	67	0.74	28
	2-Feb-99	NA	7	6.4	NM	16.8	62	1.10	35
	19-May-99	NA	7	7.1	69	17.1	62.8	7.40	132
MW-3A (on-site)	19-Sep-95	15	6 (c)	7.3	2,800	21.8	71.2		
	14-Dec-95	3	4	7.0	2,000	18.7	65.6		8
	6-Mar-96	17	8	6.0	1,190	24.7	76.5		
	12-Jun-96	18	8	6.0	620	18.6	65.4		
	12-Sep-96	17	13	7.1	430	19.9	67.9		
	10-Dec-96	17	7	6.0	1,530	20.8	69.5		
	7-Apr-97	13	8	6.0	600	17.4	63.4		
	30-Jun-97	13	3	7.4	440	20.0	68.0		
	30-Sep-97	13	5	7.1	500	22.2	72		
	22-Apr-98	NP	NP	NP	NP	NP	NP		
	27-Jul-98	NA	3	7.3	406	19.9		0.96	-17
	8-Oct-98	NA	3	6.7	220	24.9	77	0.83	12
	2-Feb-99	NA	3	7.7	510	18.6	66	1.30	41
	19-May-99	NA	3	7.1	45	18.5	65.3	1.60	159
MW-3B (on-site) (deep well)	22-Apr-98	3	3	6.9	1,500	19.6	67		
	27-Jul-98	NA	1	7.1	1,050	22.4		1.17	-5
	8-Oct-98	NA	1	6.8	1,200	28.6	83	0.79	-5
	2-Feb-99	NA	1	6.3	800	18.7	66	1.25	41
	19-May-99	NA	1	7.0	143	18.1	64.6	NA	-49

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-4 (on-site)	19-Sep-95	4	4	7.1	1,970	21.6	70.9		
	15-Dec-95	4	5	6.0	2,350	18.8	65.8		
	6-Mar-96	4	5	NM	2,050	20.7	69.3		
	11-Jun-96	4	5	6.0	1,030	21.5	70.7		
	12-Sep-96	4	4.5	7.3	710	21.8	71.2		
	10-Dec-96	4	5	6.5	2,110	16.1	60.9		
	8-Apr-97	3	3	6.0	850	17.9	64.2		
	30-Jun-97	3	3.1	6.3	1,700	21.0	69.8		
	1-Oct-97	3	3	7.3	1,400	22.2	72		
	22-Apr-98	NM	NM	NM	NM	NM	NM		
	27-Jul-98	NA	1	6.1	1,300	17.5		0.73	21
	8-Oct-98	NA	1	6.6	2,240	20.9	70	0.68	-59
	2-Feb-99	NA	1	7.2	1,800	18.1	65	0.90	-18
19-May-99	NA	1	6.5	125	17.9	64.2	0.80	-155	
MW-5 (on-site)	30-Jun-97	2	1.8	5.6	2,100	21.0	69.8		
	30-Sep-97	2	1.5	7.6	1,800	24.4	76		
	23-Apr-98	2	1.0 (b)	6.5	4,480	18.1	65		
	27-Jul-98	NA	1	6.8	2,530	21.1		0.75	12
	8-Oct-98	NA	1	6.3	2,600	25.7	78	0.52	-137
	2-Feb-99	NA	1	9.2	390	15.5	60	0.62	125
	19-May-99	NA	1	5.1	1	16.2	61.2	1.40	-158
	MW-9 (on-site)	13-Sep-96	40	40	7.0	700	17.9	64.3	
7-Apr-97		29	30	6.0	1,020	18.1	65		
30-Sep-97		34	32	7.0	790	21.1	70		
22-Apr-98		36	36	4.9	5,030	19.8	68		
27-Jul-98		NA	6	5.8	2,300	22.6		0.80	73
8-Oct-98		NA	6	6.3	2,600	26.6	80	0.76	-12
2-Feb-99		NA	6	9.6	80	16.8	62	1.88	264
19-May-99		NA	6	6.7	0.32	17.1	62.8	1.40	-260

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (μ S)	Temp ($^{\circ}$ C)	Temp ($^{\circ}$ F)	DO (mg/L)	Redox (mV)
MW-10 (on-site)	30-Sep-97	32	7	6.4	2,700	23.3	74		
	22-Apr-98	33	19 (b)	7.0	2,810	18.8	66		
	27-Jul-98	NA	6	6.2	1,560	18.2	18	0.78	4
	8-Oct-98	NA	6	6.5	2,330	22.5	73	0.77	-180
	2-Feb-99	NA	6	8.6	2,800	17.8	64	0.47	93
	19-May-99	NA	6	6.6	128	17.8	64.0	0.80	-222
MW-11 (on-site)	12-Sep-96	122	125	6.3	650	18.4	65.2		
	7-Apr-97	91	90	6.0	810	16.8	62.2		
	30-Sep-97	94	90	6.6	600	22.2	72		
	Well is being used for injections and is no longer monitored.								
MW-12 (on-site)	19-Sep-95	39	40	6.2	2,320	21.7	71.1		
	14-Dec-95	56	60	6.0	2,180	20.6	69.1		
	6-Mar-96	55	55	6.0	2,570	22.2	71.9		
	12-Jun-96	53	55	6.0	1,200	18.6	65.5		
	12-Sep-96	52	55	6.4	980	18.7	65.7		
	10-Dec-96	55	55	6.0	2,820	21.8	71.3		
	7-Apr-97	39	40	6.0	1,160	16.5	61.7		
	30-Jun-97	39	39	5.8	1,300	19.0	66.2		
	30-Sep-97	39	35	6.4	1,150	21.7	71		
	22-Apr-98	40	40	6.1	1,400	19.1	66		
	27-Jul-98	NA	7	5.2	1,490	22.1		0.82	105
	8-Oct-98	NA	7	6.6	820	30.8	87	0.91	31
	2-Feb-99	NA	7	13.0	3,430	18.2	65	0.60	-366
	19-May-99	NA	7	6.4	72	17.9	64.2	0.80	-294

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-13 (on-site)	19-Sep-95	36	35	6.4	2,610	20.9	69.6		
	15-Dec-95	56	25 (b)	6.0	2,990	20.3	68.6		
	6-Mar-96	51	30 (b)	6.0	2,120	21.9	71.4		
	11-Jun-96	49	30 (b)	6.0	1,500	23.3	74.0		
	13-Sep-96	47	45	6.0	980	18.7	65.7		
	10-Dec-96	53	55	6.0	2,570	20.6	69.1		
	7-Apr-97	35	35	6.0	1,290	17.2	62.9		
	30-Jun-97	36	24 (b)	6.2	1,220	22.0	71.6		
	30-Sep-97	35	25	7.1	1,120	21.1	70		
	23-Apr-98	38	21 (b)	5.4	3,530	17.6	64		
	27-Jul-98	NA	7	7.0	1,920	20.4		0.70	0
	8-Oct-98	NA	7	6.7	2,310	26.9	80	0.78	-187
	2-Feb-99	NA	7	8.8	610	16.9	62	0.60	-109
	19-May-99	NA	7	5.5	1	17.4	63.3	0.80	-243
MW-14 (on-site)	12-Sep-96	48	15 (b)	6.0	820	18.8	65.8		
	8-Apr-97	36	16	6.0	540	17.9	64.2		
	30-Sep-97	36	8	3.7	5,000	20.6	69		
	23-Apr-98	NM	NM	NM	NM	NM	NM		
	27-Jul-98	NA	7	5.0	2,360	21.3		0.70	98
	8-Oct-98	Not accessible							
	2-Feb-99	NA	7	9.1	800	18.3	65	0.53	117
	19-May-99	NA	7	4.5	1	18.4	65.1	1.20	-72

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (μ S)	Temp ($^{\circ}$ C)	Temp ($^{\circ}$ F)	DO (mg/L)	Redox (mV)
MW-20 (on-site) (deep well) (semi-annual)	19-Sep-95	89	90	6.9	2,530	20.2	68.4		
	15-Dec-95	117	120	7.0	2,560	21.4	70.6		
	6-Mar-96	121	125	6.0	950	21.1	69.9		
	11-Jun-96	119	120	6.0	780	20.3	68.5		
	12-Sep-96	117	120	6.8	450	20.5	68.9		
	7-Apr-97	188	90	6.0	750	18.3	64.9		
	1-Oct-97	88	80	7.8	490	20.6	69		
	22-Apr-98	NP	NP	NP	NP	NP	NP	0.72	-2
	27-Jul-98	NA	15	6.1	480	19.3			
	2-Feb-99	NA	15	5.5	NM	18.7	66	NM	87
	19-May-99	NA	15	6.8	55	19.2	66.6	0.70	70
MW-6 (off-site)	19-Sep-95	3	5	7.0	1,482	21.3	70.3		
	14-Dec-95	2	3	6.5	3,650	19.8	67.6		
	6-Mar-96	3	3	6.0	3,750	21.9	71.5		
	11-Jun-96	2	2	6.5	1,900	22.6	72.7		
	12-Sep-96	4	4	7.3	1,550	21.8	71.3		
	10-Dec-96	4	6.5	6.5	3,780	19.4	66.9		
	8-Apr-97	3	3	6.0	1,530	17.1	62.8		
	30-Jun-97	3	2.9	6.7	1,700	22.0	71.6		
	30-Sep-97	3	2.5	7.6	1,750	21.7	71		
	22-Apr-98	3	3	7.0	1,890	22.3	72		
	27-Jul-98	NA	1	6.7	1,330	21.9		0.77	-14
	8-Oct-98	NA	1	7.0	1,420	23.7	75	0.78	116
	2-Feb-99	NA	1	6.6	2,470	17.6	64	1.06	138
	19-May-99	NA	1	7.0	96	17.6	63.7	0.80	187

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (μ S)	Temp ($^{\circ}$ C)	Temp ($^{\circ}$ F)	DO (mg/L)	Redox (mV)
MW-16 (off-site)	19-Sep-95	40	40	6.7	1,710	NM	NM		
	14-Dec-95	54	55	6.5	2,750	18.0	64.4		
	6-Mar-96	55	55	6.0	1,800	15.4	59.8		
	11-Jun-96	53	55	6.0	1,370	25.3	77.5		
	12-Sep-96	53	55	7.2	980	20.5	68.9		
	10-Dec-96	54	55	6.5	2,730	19.5	67.1		
	8-Apr-97	39	40	6.0	110	14.9	58.9		
	30-Jun-97	40	30 (b)	6.4	1,100	21.0	69.8		
	1-Oct-97	39	35	7.4	1,050	20.0	68		
	23-Apr-98	40	40	8.0	910	17.8	64		
	27-Jul-98	NA	6	6.4	936	23.0		0.75	6
	8-Oct-98	NA	6	6.6	970	17.9	64	0.72	34
	2-Feb-99	NA	6	6.6	290	17.2	63	0.63	193
	19-May-99	NA	6	6.7	130	17.6	63.7	0.80	183
MW-17 (off-site)	19-Sep-95	39	40	6.8	2,410	22.3	72.1		
	14-Dec-95	55	20 (b)	6.0	3,140	18.5	65.3		
	6-Mar-96	54	26 (b)	7.0	2,630	16.2	61.1		
	11-Jun-96	52	30 (b)	6.0	1,600	18.8	65.8		
	12-Sep-96	51	40	7.1	1,270	21.2	70.1		
	10-Dec-96	54	55	6.5	2,000	20.8	69.4		
	8-Apr-97	38	25	6.0	1,370	15.9	60.6		
	30-Jun-97	39	38	6.4	1,400	20.0	68.0		
	1-Oct-97	39	35	7.2	1,300	22.2	72		
	22-Apr-98	40	40	7.6	1,430	23.7	75		
	27-Jul-98	NA	5	6.4	1,010	23.6		0.76	11
	8-Oct-98	NA	5	6.7	1,030	22.6	73	0.76	252
	2-Feb-99	NA	5	6.5	2,500	17.6	64	1.16	184
	19-May-99	NA	5	6.7	136	16.8	62.2	0.70	185

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (μ S)	Temp ($^{\circ}$ C)	Temp ($^{\circ}$ F)	DO (mg/L)	Redox (mV)
MW-18 (off-site) (semi-annual)	19-Sep-95	40	20 (b)	4.1	1,920	23.1	73.6		
	14-Dec-95	57	57	5.0	3,140	20.7	69.2		
	6-Mar-96	56	55	5.0	2,480	20.6	69.0		
	11-Jun-96	54	55	5.0	1,280	18.2	64.8		
	30-Jun-97	40	35 (b)	3.5	1,400	23.0	73.4		
	1-Oct-97	40	15 (b)	3.7	1,310	20.6	69		
	22-Apr-98	41	41	4.0	1,340	22.7	73	0.78	182
	27-Jul-98	NA	7	4.2	1,110	18.8			
	2-Feb-99	NA	7	6.5	2,050	18.5	65	2.05	191
	19-May-99	NA	7	7.6	50	12.8	55.0	0.80	267
MW-18A (off-site) (deep well) (semi-annual)	19-Sep-95	68	20 (c)	6.0	920	22.3	72.1		
	15-Dec-95	91	40 (b)	6.5	1,960	18.3	64.9		
	6-Mar-96	96	80	6.0	810	19.9	67.8		
	11-Jun-96	93	95	6.0	680	18.4	65.2		
	30-Jun-97	70	69	7.6	500	21.0	69.8		
	1-Oct-97	69	69	7.8	490	21.7	71		
	22-Apr-98	NP	NP	NP	NP	NP	NP	0.70	-39
	27-Jul-98	NA	15	6.6	430	19.6			
	2-Feb-99	NA	15	5.1	1,900	17.8	64	1.40	348
	19-May-99	NA	15	3.8	138	17.6	63.7	1.20	428

ARCADIS GERAGHTY & MILLER

Table 2: Summary of Field Sampling Data

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	Purge Volume		-----Field Measurements-----					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (μ S)	Temp ($^{\circ}$ C)	Temp ($^{\circ}$ F)	DO (mg/L)	Redox (mV)
MW-20 (on-site) (deep well) (semi-annual)	19-Sep-95	89	90	6.9	2,530	20.2	68.4		
	15-Dec-95	117	120	7.0	2,560	21.4	70.6		
	6-Mar-96	121	125	6.0	950	21.1	69.9		
	11-Jun-96	119	120	6.0	780	20.3	68.5		
	12-Sep-96	117	120	6.8	450	20.5	68.9		
	7-Apr-97	188	90	6.0	750	18.3	64.9		
	1-Oct-97	88	80	7.8	490	20.6	69		
	22-Apr-98	NP	NP	NP	NP	NO	NP		
	27-Jul-98	NA	15	6.1	480	19.3		0.72	-2
	2-Feb-99	NA	15	5.5	NM	18.7	66	NM	87
	19-May-99	NA	15	6.8	55	19.2	66.6	0.70	70

(a) Based on three casing volumes.

Beginning July 1998, low-flow sampling methods were employed; three casing volume calculation is no longer used.

(b) Purged dry.

(c) Represents approximately one casing volume. Equipment problems encountered during sampling.

(μ S) micro Siemens

(mV) millivolts

(mg/L) micrograms per liter

NA not applicable

NM not measured

NP not purged

SC specific conductance

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

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)	
MW-1 (on-site)	21.0-29.0	24-Aug-77	200	NA	
		15-Sep-81	ND(<1)	NA	
		11-Oct-81	1	NA	
		24-Nov-81	2.5	NA	
		21-Dec-81	32	NA	
		26-Feb-85	ND(<20)	ND(<20)	
		15-Nov-91	ND(<50)	50	
		20-Apr-95	NL	NL	
		13-Sep-96	330	ND(<5.0)	
		8-Apr-97	320	ND(<5.0)	
		Apr-97	On-Site Remediation Injection Event		
		1-Oct-97	ND(<10)	ND(<5.0)	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	ND(<10)	ND(<5.0)	
		28-Jul-98	ND(<10)	ND(<5.0)	
		8-Oct-98	ND(<10)	ND(<5.0)	
		3-Feb-99	ND(<10)	ND(<5.0)	
		Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	ND(<10.0)	ND(<5.00)	
		MW-3A (on-site) (deep well)	57.0-61.0	24-Aug-77	50
15-Sep-81	ND (<1)			NA	
11-Oct-81	ND (<1)			NA	
24-Nov-81	230			NA	
21-Dec-81	14			NA	
26-Feb-85	770			80	
29-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)	
Apr-97	On-Site Remediation Injection Event				
30-Jun-97	67			5.0	
1-Oct-97	36			ND(<5.0)	
4-Dec-97	94			29	
Feb-98	On-Site Remediation Injection Event				
23-Apr-98	43	ND(<5.0)			
28-Jul-98	210	62			
8-Oct-98	270	ND(<5.0)			
2-Feb-99	120	ND(<5.0) (f)			
Mar-99	On-Site Remediation Injection Event				
25-Jun-99	ND(<10.0)	ND(<5.00)			

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

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)	
MW-3B (on-site) (c)	16.0-18.0	24-Aug-77	60	NA	
		15-Sep-81	ND (<1)	NA	
		11-Oct-81	480	NA	
		24-Nov-81	2,000	NA	
		21-Dec-81	190	NA	
		29-Oct-91	110,000	100,000	
		20-Apr-95	8,000	7,600	
		22-Aug-95	13,000	12,000	
		22-Aug-95	Pilot test injection event into MW-11.		
		20-Oct-95	180	ND(<5.0)	
		22-Dec-95	Pilot test injection event into MW-11.		
		4-Jan-96	Pilot test injection event into MW-11.		
		19-Jan-96	Pilot test injection event into MW-11.		
		1-Feb-96	Pilot test injection event into MW-11.		
		16-Feb-96	3,300	1,100	
		Apr-97	On-Site Remediation Injection Event		
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	340	ND(<5.0)	
		28-Jul-98	150	ND(<5.0)	
		8-Oct-98	45	ND(<5.0)	
		2-Feb-99	270	95 (f)	
		Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	ND(<10.0)	ND(<50.0)	
MW-3C (on-site)	11.0-14.0	24-Aug-77	18,000	NA	
		15-Sep-81	30,000	NA	
		11-Oct-81	28,000	NA	
		24-Nov-81	22,000	NA	
		21-Dec-81	17,000	NA	
		26-Feb-85	7,250	6,300	
		29-Oct-91	2,300	1,600	
		20-Apr-95	1,400	ND (<5.0)	
		Apr-97	On-Site Remediation Injection Event		
		Feb-98	On-Site Remediation Injection Event		
		Mar-99	On-Site Remediation Injection Event		

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

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)	
MW-4 (on-site)	16.0-20.0	24-Aug-77	90,000	67,000	
		15-Sep-81	57,000	NA	
		11-Oct-81	61,000	NA	
		24-Nov-81	56,000	NA	
		21-Dec-81	55,000	NA	
		26-Feb-85	59,000	59,000	
		1-Jun-91	17,000	17,800	
		11-Oct-91	22,000	22,000	
		28-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	
		Apr-97	On-Site Remediation Injection Event		
		30-Jun-97	200	ND(<50)	
		1-Oct-97	76	ND(<5.0)	
		2-Dec-97	170	ND(<5.0)	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	Access blocked by construction activity at 1421 Park Avenue.		
		28-Jul-98	110	ND(<5.0)	
		9-Oct-98	190	ND(<5.0)	
		3-Feb-99	ND(10)	ND(<5.0) (f)	
		Mar-99	On-Site Remediation Injection Event		
25-Jun-99	ND(<10.0)	ND(<5.00)			
MW-5 (on-site)	11.0-15.0	24-Aug-77	360,000	295,000	
		11-Oct-81	880,000	2,240	
		24-Nov-81	610,000	NA	
		21-Dec-81	280,000	NA	
		26-Feb-85	480,000	480,000	
		1-Jun-91	390,000	NA	
		11-Oct-91	260,000	250,000	
		28-Jul-94	NA	454,000	
		21-Apr-95	140,000	160,000	
		Apr-97	On-Site Remediation Injection Event		
		30-Jun-97	16,000	5,800	
		1-Oct-97	4,400	ND(<5.0)	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	Access blocked by construction activity at 1421 Park Avenue.		
		28-Jul-98	670	ND(<500)	
		9-Oct-98	540	38	
		2-Feb-99	260	ND(<5.0) (f)	
		Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	3,800	ND(<50.0)	

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

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)	
MW-9 (on-site)	17.5-24.5	15-Jan-81	258,000	185,000	
		26-Feb-85	892,000	877,000	
		11-Oct-91	140,000	130,000	
		21-Apr-95	66,000	70,000	
		13-Sep-96	56,000	5,800	
		7-Apr-97	74,000	76,000	
		Apr-97	On-Site Remediation Injection Event		
		1-Oct-97	67,000	44,000	
		2-Dec-97	5,900	6,800	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	11,000	ND(<5.0)	
		28-Jul-98	3,900	ND(<500)	
		8-Oct-98	3,100	ND(<50)	
		2-Feb-99	3,000	ND(<50) (e) (f)	
		Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	1,400	ND(<50.0)	
MW-10 (on-site) (c)	17.5-24.5	15-Jan-81	17,000	14,000	
		26-Feb-85	746,000	740,000	
		11-Oct-91	490,000	450,000	
		21-Apr-95	160,000	170,000	
		21-Aug-95	Pilot test injection event into MW-11.		
		22-Aug-95	150,000	150,000	
		20-Oct-95	78,000	86,000	
		22-Dec-95	Pilot test injection event into MW-11.		
		16-Feb-96	16,000	23,000	
		14-Mar-96	Pilot test injection event into MW-11.		
		9-May-96	11,000	ND(<50)	
		8-Apr-97	6,500	ND(<5.0)	
		Apr-97	On-Site Remediation Injection Event		
		1-Oct-97	640	14	
		2-Dec-97	510	ND(<5.0)	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	500	9	
		28-Jul-98	240	ND(<500)	
		9-Oct-98	250	12	
		2-Feb-99	77	ND(<5.0) (f)	
Mar-99	On-Site Remediation Injection Event				
25-Jun-99	240	ND(<5.0)			

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

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)		
MW-11 (on-site) (c)	16.0-29.0	14-Jan-81	129,000	115,000		
		21-Jul-81	340	34		
		26-Feb-85	2,440	2,410		
		11-Oct-91	470	410		
		20-Apr-95	420	950		
		22-Aug-95	360	220		
		22-Aug-95	Pilot test injection event into MW-11.			
		20-Oct-95	90	ND(<5.0)		
		22-Dec-95	Pilot test injection event into MW-11.			
		4-Jan-96	Pilot test injection event into MW-11.			
		19-Jan-96	Pilot test injection event into MW-11.			
		1-Feb-96	Pilot test injection event into MW-11.			
		16-Feb-96	430	ND(<5.0)		
		13-Sep-96	170	6.0		
		7-Apr-97	630	ND(<5.0)		
		Apr-97	On-Site Remediation Injection Event			
		1-Oct-97	510	ND(<50)		
		2-Dec-97	720	400		
		Feb-98	On-Site Remediation Injection Event			
		Mar-99	On-Site Remediation Injection Event			
		MW-12 (on-site) (c)	17.5-28.5	14-Jan-81	32,000	12,000
				26-Feb-85	240,000	240,000
				1-Jun-91	38,000	29,700
11-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		
22-Dec-95	Pilot Test: 330 gallons innoc. 10:1 into OW-1.					
16-Feb-96	16,000			1,300		
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		
Apr-97	On-Site Remediation Injection Event					
30-Jun-97	440			26		
1-Oct-97	170			ND(<5.0)		
2-Dec-97	100			ND(<5.0)		
Feb-98	On-Site Remediation Injection Event					
23-Apr-98	150			ND(<5.0)		
28-Jul-98	69			ND(<500)		
8-Oct-98	91			ND(<5.0)		
2-Feb-99	3,300			ND(<50) (e) (f)		
Mar-99	On-Site Remediation Injection Event					
25-Jun-99	140	ND(<50.0)				

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

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
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Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)	
MW-13 (on-site)	10.5-15.5	14-Jan-81	381,000	325,000	
		26-Feb-85	676,000	676,000	
		11-Oct-91	510,000	430,000	
		28-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	
		Apr-97	On-Site Remediation Injection Event		
		30-Jun-97	92,000	69,000	
		1-Oct-97	63,000	40,000	
		2-Dec-97	33,000	28,000	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	7,900	2,500	
		28-Jul-98	1,800	ND(<500)	
		9-Oct-98	1,800	ND(<5.0)	
		2-Feb-99	370	ND(<5.0) (f)	
		Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	2,500	ND(<50.0)	
MW-14 (on-site)	15.0-25.0	26-Feb-85	654,000	632,000	
		11-Oct-91	320,000	310,000	
		21-Apr-95	130,000	140,000	
		13-Sep-96	100,000	9,700	
		8-Apr-97	93,000	100,000	
		Apr-97	On-Site Remediation Injection Event		
		1-Oct-97	9,100	ND(<5.0)	
		2-Dec-97	1,400	ND(<5.0)	
		Feb-98	On-Site Remediation Injection Event		
		28-Jul-98	1,600	ND(<500)	
		26-Oct-98	970	52	
		2-Feb-99	480	ND(<50) (e) (f)	
		1-Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	2,500	ND(<50.0)	

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

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
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Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)	
MW-20 (on-site) (deep well)	31.0-51.0	21-Jun-83	1,300	1,200	
		11-Aug-83	90	40	
		26-Feb-85	ND (<20)	ND (<20)	
		11-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)	
		7-Apr-97	55	ND(<5.0)	
		Apr-97	On-Site Remediation Injection Event		
		1-Oct-97	ND(<10)	ND(<5.0)	
		Feb-98	On-Site Remediation Injection Event		
		23-Apr-98	ND(<10)	ND(<5.0)	
		28-Jul-98	ND(<10)	ND(<5.0)	
		3-Feb-99	ND(<10)	ND(<5.0)	
		Mar-99	On-Site Remediation Injection Event		
		25-Jun-99	ND(<10.0)	ND(<50.0)	
		MW-6 (off-site)	13.0-17.0	15-Sep-81	630
11-Oct-81	80			NA	
24-Nov-81	790			NA	
21-Dec-81	630			NA	
26-Feb-85	3,330			3,300	
11-Oct-91	31,000			25,000	
28-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	
30-Jun-97	44,000			43,000	
1-Oct-97	52,000			21,000	
2-Dec-97	50,000			46,000	
23-Apr-98	47,000			48,000	
28-Jul-98	47,000			55,000	
9-Oct-98	36,000	330			
4-Feb-99	15,000	31,000			
25-Jun-99	17,000	1,400			

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

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
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Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
MW-8 (off-site)	16.0-22.0	15-Sep-81	ND (<1)	NA
		11-Oct-81	2	NA
		24-Nov-81	3	NA
		21-Dec-81	70	NA
		26-Feb-85	ND (<20)	ND (<20)
		1-Jun-91	NA	NA
		11-Oct-91	ND (<50)	ND (<10)
		21-Apr-95	33	ND (<5.0)
		MW-15 (off-site)	15.0-25.0	26-Feb-85
1-Jun-91	30			NA
11-Oct-91	ND (<50)			ND (<10)
28-Jul-94	NA			ND (<10)
21-Apr-95	ND (<10)			ND (<5.0)
MW-16 (off-site) (c)	12.0-22.0	26-Feb-85	460,000	460,000
		11-Oct-91	240,000	290,000
		28-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
		30-Jun-97	67,000	57,000
		1-Oct-97	67,000	27,000
		2-Dec-97	24,000	32,000
		23-Apr-98	56,000	54,000
		28-Jul-98	17,000	14,000
		9-Oct-98	29,000	2,400
		4-Feb-99	92,000	93,000
25-Jun-99	94,000	5,690		
MW-17 (off-site)	10.0-20.0	26-Feb-85	90,000	38,200
		11-Oct-91	250,000	300,000
		28-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
		30-Jun-97	120,000	83,000
		1-Oct-97	91,000	52,000
		2-Dec-97	97,000	60,000
		23-Apr-98	85,000	10,000
		28-Jul-98	50,000	65,000
		9-Oct-98	60,000	420
		4-Feb-99	120,000	110,000
25-Jun-99	110,000	5,290		

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

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
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Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)		
MW-18 (off-site)	15.0-25.0	26-Feb-85	60,500	55,000		
		1-Jun-91	NA	NA		
		11-Oct-91	31,000	24,000		
		28-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		
		30-Jun-97	16,000	11,000		
		1-Oct-97	20,000	14,000		
		24-Apr-98	11,000	9,400		
		28-Jul-98	12,000	5,000		
		4-Feb-99	16,000	50		
		25-Jun-99	9,300	780		
MW-18A (off-site)	35.0-50.0	22-Jun-83	20	ND (<20)		
		26-Feb-85	ND (<20)	ND (<20)		
		11-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)		
		30-Jun-97	1,100	840		
		1-Oct-97	490	430		
		23-Apr-98	64	52		
		28-Jul-98	59	55		
		4-Feb-99	ND (<10)	50		
		25-Jun-99	1,500	ND (<5.00)		
		MW-2	14.0-21.0	24-Aug-77	60	NA
15-Sep-81	ND(<1)			NA		
11-Oct-81	4			NA		
24-Nov-81	1.1			NA		
21-Dec-81	2			NA		
19-Apr-95	Not Located					
19-Apr-95	Not Located					
MW-7	10.0-13.0	19-Apr-95	Not Located			
		MW-19	10.0-25.0	22-Jun-83	NA (<20)	NA (<20)
				26-Feb-85	20	20
19-Apr-95	Not Located					
MW-21	10.0-25.0	21-Jun-83	20	ND (<20)		
		26-Feb-85	40	ND (<20)		
		19-Apr-95	Not Located			

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Table 3: Summary of Groundwater Analytical Data - Total and Hexavalent Chromium
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
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Monitoring Well	Screened Interval	Date Sampled	Total Chromium (µg/L) (a)	Hexavalent Chromium (µg/L) (b)
OW-1	5.0-20.0	22-Aug-95	19,000	22,000
		22-Aug-95	Pilot test injection event into MW-11.	
		20-Oct-95	24,000	32,000
		22-Dec-95	Pilot test injection event into MW-11.	
		22-Dec-95	Pilot test injection event into MW-11.	
		4-Jan-96	Pilot test injection event into MW-11.	
		19-Jan-96	Pilot test injection event into MW-11.	
		1-Feb-96	Pilot test injection event into MW-11.	
OW-2	5.0-20.0	16-Feb-96	4,800	ND(<5.0)
		22-Aug-95	36,000	36,000
		22-Aug-95	Pilot test injection event into MW-11.	
		18-Sep-95	70,000	77,000
		20-Oct-95	51,000	58,000
		22-Dec-95	Pilot test injection event into MW-11.	
		4-Jan-96	Pilot test injection event into MW-11.	
		19-Jan-96	Pilot test injection event into MW-11.	
DP-1	NA	1-Feb-96	Pilot test injection event into MW-11.	
		16-Feb-96	6,900	89
		20-Oct-95	10,000	6.1
		14-Mar-96	Pilot test injection event into DP-1.	

- (a) Analysis by USEPA Method 200.7.
 (b) Analysis by USEPA Method 7196.
 (c) Denotes well that was part of the pilot study performed from August 1995 through February 1996.
 (d) Laboratory indicates results are questionable due to samples being marked "preserved" which were not.
 (e) Laboratory reports detection limits raised due to matrix interference.
 (f) Laboratory reports samples were analyzed past EPA recommended holding time.
- ND() not detected; laboratory method detection limit in parentheses
 µg/L micrograms per liter
 NA not applicable

Data from August 1977 through July 1994 taken from groundwater monitoring reports by American Environmental Management Corporation (January 27, 1992, and October 28, 1994).
 Beginning April 20, 1995, laboratory analyses performed by Sequoia Analytical (Walnut Creek and Redwood City, California).

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-1	21-Mar-85	21	33	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(on-site)	15-Nov-91	0.6	11	---	4.8	0.5	ND(<1)	ND(<0.5)	1.6	---	---	---	---	---
(SI 21.0-29.0)	13-Sep-96	ND(<0.50)	14	1.9	ND(<0.50)	0.63	ND(<1.0)	ND(<0.50)	ND(<0.50)	0.78	---	---	---	---
	8-Apr-97	ND(<0.50)	13	1.2	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	1-Oct-97	ND(<0.50)	16	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	24-Apr-98	---	---	---	---	---	---	---	---	---	---	32.2	0.009	<.005
	19-May-98	ND(<0.50)	33	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	28-Jul-98	ND(<1.0)	28	6.0	ND(<1.0)	ND(<1.0)	ND(<2.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	---	---	---	---
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	20.5	0.054	16.5
	8-Oct-98	ND(0.50)	17	1.7	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	13.7	0.057	0.042
	3-Feb-99	ND(0.50)	38	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Mar-99	On-site Remediation Injection Event												
	20-May-99	ND(0.50)	30	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-3A	29-Oct-91	ND(<0.5)	ND(<0.5)	---	ND(<0.5)	ND(<0.5)	ND(<1)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(on-site)	20-Apr-95	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---
(deep well)	19-Sep-95	ND(<0.5)	0.56	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---
(SI 57.0-61.0)	14-Dec-95	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	11-Jun-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	13-Sep-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	11-Dec-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	7-Apr-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	30-Jun-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	1-Oct-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	4-Dec-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	19-May-98	ND(<0.50)	1.2	0.68	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	28-Jul-98	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)	---	---	---	---
	8-Oct-98	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)	---	---	---	---
	2-Feb-99	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)	---	---	---	---
	Mar-99	On-site Remediation Injection Event												
	19-May-99	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-3B	29-Oct-91	6.8	650	---	45	13	6.4	ND(<0.5)	1.2	---	---	---	---	---
(on-site)	20-Apr-95	ND(<10)	260	17	23	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
(SI 16.0-18.0)	Apr-97	On-site Remediation Injection Event												
	Feb-98	On-site Remediation Injection Event												
	19-May-98	ND(<0.5)	2.1	13	1.5	1.5	2.9	ND(<0.50)	2.5	ND(<0.50)	---	---	---	---
	28-Jul-98	ND(<1.0)	8.2	58.0	5.8	16	4.8	1.0	8.4	1.2	---	---	---	---
	8-Oct-98	ND(<2.5)	13	8.0	9.6	23	16	ND(<2.5)	10	ND(<2.5)	---	---	---	---
	2-Feb-99	ND(<0.50)	56	52	7.2	2.6	8.4	2.0	2.9	1.2	---	---	---	---
	Mar-99	On-site Remediation Injection Event												
	19-May-99	ND(<2.5)	7.7	110	14	120	33	8.1	34	ND(<2.5)	---	---	---	---
MW-3C	11-Jun-85	1.7	150	---	23	ND(<0.5)	ND(<0.5)	2.4	ND(<0.5)	---	---	---	---	---
(on-site)	21-Oct-91	1.7	180	---	26	61	18	34	5.4	---	---	---	---	---
(SI 11.0-14.0)	20-Apr-95	ND(<0.5)	30	11	ND(<0.5)	1.6	2.2	0.66	2.0	ND(<0.5)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	Feb-98	On-site Remediation Injection Event												
	Mar-99	On-site Remediation Injection Event												

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-4	4-Nov-91	31	2,100	---	269	ND(<5)	10	ND(<5)	ND(<5)	---	---	---	---	---
(on-site)	28-Jul-94	---	6,500	---	---	---	---	---	---	---	---	---	---	---
(SI 16.0-20.0)	21-Apr-95	ND(<50)	4,400	430	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	19-Sep-95	65	3,500	590	92	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	15-Dec-95	27	2,900	330	44	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
	8-Mar-96	84	3,100	360	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Jun-96	ND(<100)	3,100	280	ND(<100)	ND(<100)	ND(<200)	ND(<100)	ND(<100)	ND(<100)	---	---	---	---
	13-Sep-96	63	1,800	410	58	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Dec-96	ND(<50)	1,600	260	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	8-Apr-97	ND(<50)	4,000	410	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	30-Jun-97	ND(<50)	4,000	2,800	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	1-Oct-97	ND(<25)	ND(<25)	1,300	45	ND(<25)	1,100	ND(<25)	ND(<25)	ND(<25)	---	---	---	---
	2-Dec-97	ND(<25)	120	320	29	ND(<25)	1,300	ND(<25)	ND(<25)	ND(<25)	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	19-May-98	Access blocked by construction activity at 1421 Park Avenue.												
	28-Jul-98	ND(<1.0)	1.2	17	13	ND(<1.0)	21	ND(<1.0)	ND(<1.0)	ND(<1.0)	---	---	---	---
	8-Oct-98	ND(<0.50)	1.6	7.4	16	ND(<0.50)	19	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	3-Feb-99	ND(<0.50)	0.59	1.5	34	ND(<0.50)	ND(<1.0)	ND(<0.50)	1.6	0.94	---	---	---	---
	Mar-99	On-site Remediation Injection Event												
	21-May-99	ND(<5.0)	ND(<5.0)	340	250	ND(<5.0)	480	ND(<5.0)	ND(<5.0)	ND(<5.0)	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)	
MW-5	4-Nov-91	8.9	410	---	120	4.2	54	1.3	42	---	---	---	---	---	
(on-site)	21-Apr-95	10	210	31	13	ND(<5)	ND(<10)	ND(<5)	13	ND(<5)	---	---	---	---	
(SI 11.0-15.0)	Apr-97	On-site Remediation Injection Event													
	30-Jun-97	14	190	32	20	ND(<5.0)	ND(<10)	ND(<5.0)	8.2	ND(<5.0)	---	---	---	---	
	1-Oct-97	ND(<2.5)	36	210	19	ND(<2.5)	13	ND(<2.5)	9.1	2.7	---	---	---	---	
	Feb-98	On-site Remediation Injection Event													
	19-May-98	ND(<2.5)	ND(<2.5)	7.1	11	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<2.5)	ND(<2.5)	---	---	---	---	
	28-Jul-98	ND(<0.50)	ND(<0.50)	3.1	5.0	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---	
	9-Oct-98	ND(<0.50)	3.5	2.4	6.5	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---	
	2-Feb-99	ND(<0.50)	0.52	3.1	7.4	ND(<0.50)	ND(<1.0)	ND(<0.50)	0.93	0.56	---	---	---	---	
	Mar-99	On-site Remediation Injection Event													
	20-May-99	ND(<2.5)	3.4	2.9	5.7	ND(<2.5)	ND(<5.0)	ND(<2.5)	ND(<2.5)	ND(<2.5)	---	---	---	---	

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-9	13-Jun-85	26	700	---	31	ND(<5)	ND(<5)	ND(<5)	ND(<5)	---	---	---	---	---
(on-site)	30-Oct-91	11	200	---	13	ND(<0.5)	ND(<1)	ND(<0.5)	1.3	---	---	---	---	---
(SI 17.5-24.5)	21-Apr-95	13	73	6.4	ND(<2)	ND(<2)	ND(<4)	ND(<2)	ND(<2)	ND(<2)	---	---	---	---
	13-Sep-96	75	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Dec-96	---	---	---	---	---	---	---	---	---	---	---	---	---
	7-Apr-97	15	95	8.8	2.5	ND(<2.5)	ND(<5.0)	7.1	ND(<2.5)	ND(<2.5)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	1-Oct-97	9.6	57	8.8	2.5	ND(<1.2)	ND(<2.5)	4.8	3.9	1.3	---	---	---	---
	2-Dec-97	3.2	11	4.5	ND(<0.50)	ND(<0.50)	ND(<1.0)	2.5	5.2	ND(<0.50)	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	24-Apr-98	---	---	---	---	---	---	---	---	---	---	13,103	<0.005	2.7
	19-May-98	38	99	ND(<25)	680	ND(<25)	1,700	150	190	ND(<25)	---	---	---	---
	28-Jul-98	ND(<100)	ND(<100)	4,100	100	ND(<100)	320	ND(<100)	ND(<100)	ND(<100)	---	---	---	---
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	7,886	0.390	17.8
	8-Oct-98	ND(<25)	ND(<25)	1,400	74	ND(<25)	180	ND(<25)	34	ND(<25)	---	10,800	0.561	11.5
	2-Feb-99	ND(<1.3)	ND(<1.3)	2.7	8.7	ND(<1.3)	17	ND(<1.3)	1.4	ND(<1.3)	---	---	---	---
	Mar-99	On-site Remediation Injection Event												
	20-May-99	ND(<2.5)	ND(<2.5)	12	3.1	ND(<2.5)	20	ND(<2.5)	ND(<2.5)	ND(<2.5)	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)	
MW-10	12-Jun-85	81	5,100	---	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---	---	
(on-site)	12-Jun-85	ND(<50)	12,000	---	600	ND(<50)	---	ND(<50)	ND(<50)	---	---	---	---	---	
(SI 17.5-24.5)	7-Nov-91	ND(<50)	14,000	---	640	3,800	ND(<100)	6,500	ND(<50)	---	---	---	---	---	
	21-Apr-95	ND(<100)	10,000	900	ND(<100)	1,200	ND(<200)	1,000	ND(<100)	ND(<100)	---	---	---	---	
	Pilot Test: Spring 1998														
	8-Apr-97	ND(<500)	660	11,000	ND(<500)	680	ND(<1000)	ND(<500)	ND(<500)	ND(<500)	---	---	---	---	
	Apr-97	On-site Remediation Injection Event													
	1-Oct-97	ND(<120)	ND(<120)	5,900	ND(<120)	260	500	ND(<120)	ND(<120)	ND(<120)	---	---	---	---	
	2-Dec-97	ND(<120)	ND(<120)	6,600	ND(<120)	320	480	ND(<120)	ND(<120)	ND(<120)	---	---	---	---	
	Feb-98	On-site Remediation Injection Event													
	24-Apr-98	---	---	---	---	---	---	---	---	---	---	2,363	1.70	238	
	19-May-98	Access blocked by construction activity at 1421 Park Avenue.													
	28-Jul-98	ND(<10)	ND(<10)	390	17	ND(<10)	54	ND(<10)	ND(<10)	ND(<10)	---	---	---	---	
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	6,805	51.5	82.1	
	9-Oct-98	ND(<1.2)	11	53	5.8	2.5	14	ND(1.2)	3.4	1.3	---	8,550	129	53.5	
	2-Feb-99	ND(<0.50)	3.9	6.4	ND(<0.50)	0.60	1.1	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---	
	Mar-99	On-site Remediation Injection Event													
	21-May-99	ND(<0.50)	1.8	11	1.8	0.90	2.2	ND(<0.50)	2.6	0.66	CA: 10	---	---	---	
MW-11	12-Jun-85	5.3	19	---	3.4	ND(<0.5)	ND(<0.5)	1.3	ND(<0.5)	---	---	---	---	---	
(on-site)	15-Nov-91	1.5	10	---	3.1	ND(<0.5)	ND(<1)	ND(<0.5)	ND(<0.5)	---	---	---	---	---	
(SI 16.0-29.0)	20-Apr-95	7.4	67	6.2	ND(<5)	ND(<5)	ND(<10)	ND(<5)	ND(<5)	ND(<5)	---	---	---	---	
	13-Sep-96	0.73	6.0	3.6	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	0.6	1.0	---	---	---	---	
	7-Apr-97	ND(<0.50)	1.1	9.7	4.1	ND(<0.50)	4.6	ND(<0.50)	0.73	ND(<0.50)	---	---	---	---	
	Apr-97	On-site Remediation Injection Event													
	1-Oct-97	ND(<0.50)	8.4	25	8.3	ND(<0.50)	9.5	0.51	2.6	1.6	---	---	---	---	
	2-Dec-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---	
	Feb-98	On-site Remediation Injection Event													
	Mar-99	On-site Remediation Injection Event													

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-12	11-Nov-91	10	130	---	9	3.3	ND(<2)	4.6	1.3	---	---	---	---	---
(on-site)	20-Apr-95	9.4	52	5.0	ND(<2.5)	9.0	ND(<5)	3.9	ND(<2.5)	ND(<2.5)	---	---	---	---
(SI 17.6-28.5)	19-Sep-95	14	67	9.1	3.8	15	ND(<2.5)	7.2	1.6	2.9	---	---	---	---
	15-Dec-95	ND(<10)	79	ND(<10)	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
	8-Mar-96	850	ND(<50)	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Jun-96	ND(<1.0)	2.7	39	1.4	3.9	13	2.6	1.6	1.4	---	---	---	---
	13-Sep-96	2.3	23	15	1.5	12	ND(<1.0)	5.9	2.9	1.9	---	---	---	---
	11-Dec-96	5.0	55	11	0.83	6.2	ND(<1.0)	4.9	1.4	1.5	---	---	---	---
	7-Apr-97	6.2	65	17	ND(<5.0)	15	ND(<10)	ND(<5.0)	5.6	ND(<5.0)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	30-Jun-97	8.5	47	7.6	1.5	4.6	ND(<2.0)	1.9	1.5	1.6	---	---	---	---
	1-Oct-97	8.1	20	6.7	1.8	ND(<0.50)	1.1	0.52	2.0	1.7	---	---	---	---
	2-Dec-97	2.9	5.6	0.97	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	0.57	ND(<0.50)	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	24-Apr-98	---	---	---	---	---	---	---	---	---	---	1,904	2.30	1.20
	19-May-98	ND(<0.50)	6.0	4.5	2.0	ND(<0.50)	2.4	ND(<0.50)	0.83	0.83	CA: 1.2	---	---	---
	28-Jul-98	ND(<0.50)	5.3	7.9	1.0	ND(<0.50)	1.2	ND(<0.50)	0.65	0.83	---	---	---	---
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	1,867	3.71	1.83
	8-Oct-98	0.75	11	7.8	0.60	ND(<0.50)	ND(<1.0)	---	0.64	0.90	---	270	1.67	0.190
	2-Feb-99	ND(<1.3)	ND(<1.3)	2.5	2.2	ND(<1.3)	ND(<1.3)	ND(<1.3)	ND(<1.3)	ND(<1.3)	CA: 6.7	---	---	---
	Mar-99	On-site Remediation Injection Event												
	19-May-99	ND(<0.50)	0.58	2.0	0.84	ND(<0.50)	1.5	ND(<0.50)	ND(<0.50)	0.53	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-13	8-Nov-91	8.9	630	---	89	6.8	20	ND(<5)	15	---	---	---	---	---
(on-site)	28-Jul-94	---	770	---	---	---	---	---	---	---	---	---	---	---
(SI 10.5-15.5)	20-Apr-95	8.9	360	70	16	ND(<5)	20	ND(<5)	14	ND(<5)	---	---	---	---
	19-Sep-95	12.0	240	72	25	ND(<5)	42	ND(<5)	18	ND(<5)	---	---	---	---
	15-Dec-95	ND(<10)	380	68	17	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
	8-Mar-96	ND(<50)	270	68	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Jun-96	ND(<50)	250	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	13-Sep-96	ND(<50)	430	84	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Dec-96	ND(<50)	250	56	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	7-Apr-97	ND(<50)	280	62	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	30-Jun-97	12	300	61	25	ND(<5.0)	30	ND(<5.0)	15	ND(<5.0)	---	---	---	---
	1-Oct-97	15	250	100	24	ND(<5.0)	25	ND(<5.0)	13	ND(<5.0)	---	---	---	---
	2-Dec-97	5.5	140	150	22	ND(<2.5)	35	ND(<2.5)	11	2.9	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	19-May-98	ND(<0.50)	1.2	29	4.4	ND(<0.5)	3.4	ND(<0.5)	6.1	0.67	---	---	---	---
	28-Jul-98	ND(<0.50)	9.3	9	3.2	ND(<0.5)	4.4	ND(<0.5)	3.1	0.90	CA: 2.2	---	---	---
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	7,935	0.214	2.70
	9-Oct-98	ND(<0.50)	4.4	2.7	3.9	ND(<0.50)	1.3	ND(<0.50)	0.96	ND(<0.50)	---	10,700	1.87	2.98
	2-Feb-99	ND(<0.50)	ND(<0.50)	0.55	0.96	ND(<0.50)	ND(<1.0)	ND(<0.50)	2.5	ND(<0.50)	---	---	---	---
	Mar-99	On-site Remediation Injection Event												
	20-May-99	ND(<2.5)	4.9	2.7	ND(<2.5)	ND(<2.5)	ND(<5.0)	ND(<2.5)	6.1	ND(<2.5)	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)	
MW-14	21-Mar-85	26	580	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---	---	
(on-site)	11-Nov-91	13	4,300	---	150	13	30	17	19	---	---	---	---	---	
(SI 15.0-25.0)	21-Apr-95	ND(<10)	8,100	36	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---	
	13-Sep-96	ND(<1000)	4,700	ND(<1000)	ND(<1000)	ND(<1000)	ND(<2000)	ND(<1000)	ND(<1000)	ND(<1000)	---	---	---	---	
	8-Apr-97	ND(<500)	17,000	ND(<500)	ND(<500)	ND(<500)	ND(<1000)	ND(<500)	ND(<500)	ND(<500)	---	---	---	---	
	Apr-97	On-site Remediation Injection Event													
	1-Oct-97	ND(<25)	2,200	2,100	ND(<25)	ND(<25)	ND(<50)	ND(<25)	ND(<25)	ND(<25)	---	---	---	---	
	2-Dec-97	ND(<25)	680	1,200	ND(<25)	ND(<25)	110	ND(<25)	ND(<25)	ND(<25)	---	---	---	---	
	Feb-98	On-site Remediation Injection Event													
	19-May-98	ND(<13)	1,800	4,600	39	13	860	ND(<13)	ND(<13)	ND(<13)	---	---	---	---	
	28-Jul-98	ND(<100)	1,500	5,100	ND(<100)	ND(<100)	1,200	ND(<100)	ND(<100)	ND(<100)	---	---	---	---	
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	2,846	20.4	98.9	
	26-Oct-98	ND(<0.50)	ND(<0.50)	350	13	ND(<0.50)	ND(<50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	10,700	1.87	2.98	
	2-Feb-99	ND(<0.50)	0.81	6.0	7.2	ND(<0.50)	3.0	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---	
	Mar-99	On-site Remediation Injection Event													
	21-May-99	ND(<0.50)	350	550	12	ND(<0.50)	160	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---	

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-20	15-Nov-91	ND(<0.5)	ND(<0.5)	---	ND(<0.5)	ND(<0.5)	ND(<1)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(on-site)	21-Apr-95	ND(<0.5)	4	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---
(deep well)	19-Sep-95	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---
(SI 31.0-51.0)	15-Dec-95	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	11-Jun-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	13-Sep-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	7-Apr-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Apr-97	On-site Remediation Injection Event												
	1-Oct-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	Feb-98	On-site Remediation Injection Event												
	19-May-98	Access blocked by construction activity at 1421 Park Avenue.												
	28-Jul-98	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	3-Feb-98	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	MC: 6.8	---	---	---
	Mar-99	On-site Remediation Injection Event												
	21-May-99	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-6	11-Jun-85	ND(<0.5)	220	---	54	ND(<5)	ND(<5)	3.9	ND(<5)	---	---	---	---	---
(off-site)	5-Nov-91	5.9	420	---	78	29	19	6.4	ND(<0.5)	---	---	---	---	---
(SI 13.0-17.0)	28-Jul-94	---	790	---	---	---	---	---	---	---	---	---	---	---
	20-Apr-95	ND(<10)	320	55	ND(<10)	34	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
	19-Sep-95	6.4	210	48	12	46	13	ND(<5)	ND(<5)	ND(<5)	CBz: 5.1	---	---	---
	14-Dec-95	ND(<10)	400	53	ND(<10)	74	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
	8-Mar-96	ND(<50)	290	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Jun-96	ND(<50)	300	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	13-Sep-96	ND(<50)	480	ND(<50)	ND(<50)	64	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Dec-96	ND(<50)	360	ND(<50)	ND(<50)	59	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	8-Apr-97	ND(<50)	420	52	ND(<50)	73	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	30-Jun-97	8.1	330	47	11	51	12	ND(<5.0)	ND(<5.0)	ND(<5.0)	CBz: 8.9	---	---	---
	1-Oct-97	6.2	220	49	9.7	37	13	2.6	ND(<2.5)	ND(<2.5)	CBz: 6.6	---	---	---
	2-Dec-97	6.4	260	44	7.6	43	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	CBz: 6.7	---	---	---
	19-May-98	4.3	330	45	12	50	13	4.6	1.3	1.4	1,2-DCBz: 0.56; CBz: 4.8; CFM: 1.4	---	---	---
	28-Jul-98	ND(<5.0)	200	59	7.0	24	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	---	---	---	---
	9-Oct-98	ND(<5.0)	200	42	6.8	23	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	---	---	---	---
	4-Feb-99	10.0	230	5.7	5.3	21	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	CBz: 5.9	---	---	---
	21-May-99	1.2	16	5.2	0.52	1.4	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	---	---	---	---
MW-8	10-Jun-85	18	46	---	19	ND(<1)	3	ND(<1)	1	---	---	---	---	---
(off-site)	11-Jun-85	35	93	---	32	1	---	ND(<0.5)	1	---	---	---	---	---
(SI 16.0-22.0)	5-Nov-91	35	38	---	23	0.8	4.9	ND(<0.5)	1.8	---	---	---	---	---
	21-Apr-95	18	40	46	6.7	ND(<1.0)	16	ND(<1.0)	1.2	5.6	---	---	---	---
	19-Sep-95	Not Located												

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Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)	
MW-15	13-Jun-85	ND(<50)	1,200	---	410	ND(<50)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---	---	
(off-site)	21-Nov-91	ND(<5)	650	---	220	ND(<5)	ND(<10)	ND(<5)	ND(<5)	---	---	---	---	---	
(SI 15.0-25.0)	21-Apr-95	ND(<10)	300	88	130	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---	
	19-Sep-95	Not Located													
MW-16	21-Mar-85	42	360	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---	---	
(off-site)	19-Nov-91	ND(<5)	19,000	---	2299	1,200	420	1,300	ND(<5)	---	---	---	---	---	
(SI 12.0-22.0)	28-Jul-94	---	22,000	---	---	---	---	---	---	---	---	---	---	---	
	20-Apr-95	13	10,000	2,400	67	390	300	180	28	ND(<10)	CBz: 12	---	---	---	
	19-Sep-95	ND(<125)	7,800	2,500	190	590	730	190	ND(<125)	ND(<125)	---	---	---	---	
	14-Dec-95	ND(<0.50)	11,000	2,300	100	620	460	140	26	ND(<0.50)	---	---	---	---	
	8-Mar-96	ND(<200)	9,900	2,400	ND(<200)	460	ND(<400)	ND(<200)	ND(<200)	ND(<200)	---	---	---	---	
	11-Jun-96	ND(<200)	9,700	2,100	ND(<200)	ND(<200)	440	ND(<200)	ND(<200)	ND(<200)	---	---	---	---	
	13-Sep-96	ND(<1000)	11,000	2,200	ND(<1000)	ND(<1000)	ND(<2000)	ND(<1000)	ND(<1000)	ND(<1000)	---	---	---	---	
	11-Dec-96	ND(<1000)	11,000	2,900	ND(<1000)	ND(<1000)	ND(<2000)	ND(<1000)	ND(<1000)	ND(<1000)	---	---	---	---	
	8-Apr-97	ND(<1000)	15,000	2,900	ND(<1000)	ND(<1000)	ND(<2000)	ND(<1000)	ND(<1000)	ND(<1000)	---	---	---	---	
	30-Jun-97	ND(<500)	24,000	4,100	ND(<500)	780	ND(<1000)	ND(<500)	ND(<500)	ND(<500)	---	---	---	---	
	1-Oct-97	ND(<120)	11,000	2,200	ND(<120)	350	410	ND(<120)	ND(<120)	ND(<120)	---	---	---	---	
	2-Dec-97	ND(<100)	5,300	1,100	ND(<100)	160	ND(<200)	ND(<100)	ND(<100)	ND(<100)	---	---	---	---	
	22-Apr-98	---	---	---	---	---	---	---	---	---	---	92.7	0.830	5.3	
	19-May-98	4.5	3,900	1,800	40	230	160	39	9.3	1.9	---	---	---	---	
	28-Jul-98	ND(<100)	4,500	2,600	ND(<100)	270	ND(<200)	ND(<100)	ND(<100)	ND(<100)	---	---	---	---	
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	199	4.95	31.5	
	9-Oct-98	ND(<100)	2,700	1,400	ND(<100)	ND(<100)	ND(<200)	ND(<100)	ND(<100)	ND(<100)	---	410	6.06	30.4	
	4-Feb-99	ND(<25)	7,500	2,200	80	660	ND(<50)	ND(<25)	ND(<25)	ND(<25)	---	---	---	---	
	21-May-99	13	7,600	2,000	110	620	430	110	38	ND(<5.0)	---	---	---	---	

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-17	13-Jun-85	18	200	---	23	46	ND(<5)	22	ND(<5)	---	---	---	---	---
(off-site)	19-Nov-91	8.9	460	---	54	54	420	30	7.8	---	---	---	---	---
(SI 10.0-20.0)	28-Jul-95	---	780	---	---	---	---	---	---	---	---	---	---	---
	20-Apr-95	ND(<10)	410	42	11	37	ND(<20)	ND(<10)	ND(<10)	ND(<10)	1,2-DCBz: 17; CBz: 31	---	---	---
	19-Sep-95	9.8	260	50	23	42	ND(<10)	11	ND(<5)	ND(<5)	1,2-DCBz: 28; CBz: 52	---	---	---
	14-Dec-95	13	360	24	ND(<10)	38	ND(<20)	ND(<10)	ND(<10)	ND(<10)	1,2-DCBz: 15; CBz: 27	---	---	---
	8-Mar-96	ND(<0.50)	310	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<100)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	11-Jun-96	ND(<0.50)	270	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<100)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	13-Sep-96	ND(<200)	1,900	ND(<200)	ND(<200)	410	ND(<400)	ND(<200)	ND(<200)	ND(<200)	---	---	---	---
	11-Dec-96	ND(<200)	450	ND(<200)	ND(<200)	ND(<200)	ND(<400)	ND(<200)	ND(<200)	ND(<200)	---	---	---	---
	8-Apr-97	ND(<200)	350	ND(<200)	ND(<200)	ND(<200)	ND(<400)	ND(<200)	ND(<200)	ND(<200)	---	---	---	---
	30-Jun-97	6.3	260	27	11	20	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	1,2-DCBz: 16; CBz: 28	---	---	---
	1-Oct-97	11	250	29	11	15	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	1,2-DCBz: 14; CBz: 23	---	---	---
	2-Dec-97	4.1	140	17	4.9	12	ND(<5.0)	ND(<2.5)	ND(<2.5)	ND(<2.5)	1,2-DCBz: 9.5; CBz: 14	---	---	---
(h)	19-May-98	5.0	180	13	6.0	15	2.0	1.7	0.99	0.60	1,2-DCBz: 5.6; CBz: 7.7; CFM: 1.4	---	---	---
	28-Jul-98	ND(<5.0)	170	17	ND(<5.0)	11	ND(<10)	ND(<5.0)	ND(<5.0)	ND(<5.0)	1,2-DCBz: 6.4; CBz: 9.3	---	---	---
	29-Jul-98	---	---	---	---	---	---	---	---	---	---	93.2	4.19	0.996
	8-Oct-98	ND(<2.5)	110	13	3.3	7.1	ND(<5.0)	ND(<2.5)	ND(<2.5)	ND(<2.5)	1,2-DCBz: 4.8; CBz: 5.0	115	9.37	0.211
	4-Feb-99	ND(<2.5)	220	21	4.7	21	ND(<5.0)	ND(<2.5)	ND(<2.5)	ND(<2.5)	CBz: 11	---	---	---
	21-May-99	6.4	220	27	11	28	7.1	ND(<2.5)	ND(<2.5)	ND(<2.5)	CBz: 14; 1,2-DCBz: 11	---	---	---

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-18	12-Jun-85	32	430	---	140	ND(<0.5)	ND(<0.5)	52	ND(<0.5)	---	---	---	---	---
(off-site)	12-Jun-85	ND(<50)	340	---	ND(<50)	ND(<50)	---	66	ND(<50)	---	---	---	---	---
(SI 15.0-25.0)	19-Nov-91	11	560	---	160	ND(<5)	30	23	ND(<5)	---	---	---	---	---
	22-Apr-95	ND(<10)	330	35	13	ND(<10)	ND(<20)	16	ND(<10)	ND(<10)	---	---	---	---
	19-Sep-95	14	200	34	20	ND(<5)	ND(<10)	16	ND(<5)	ND(<5)	---	---	---	---
	14-Dec-95	ND(<10)	280	18	ND(<10)	ND(<10)	ND(<20)	ND(<10)	ND(<10)	ND(<10)	---	---	---	---
	8-Mar-96	ND(<50)	200	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	11-Jun-96	ND(<50)	200	ND(<50)	ND(<50)	ND(<50)	ND(<100)	ND(<50)	ND(<50)	ND(<50)	---	---	---	---
	30-Jun-97	9.0	210	21	12	ND(<5.0)	ND(<10)	8.6	ND(<5.0)	ND(<5.0)	---	---	---	---
	1-Oct-97	11	200	25	13	ND(<2.5)	ND(<5.0)	9.3	ND(<2.5)	ND(<2.5)	---	---	---	---
	19-May-98	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	28-Jul-98	6.7	190	13	ND(5.0)	23	ND(<10)	6.2	ND(<5.0)	ND(<5.0)	---	---	---	---
	4-Feb-99	7.5	180	24	13	3	3.7	6.8	ND(<2.5)	ND(<2.5)	---	---	---	---
	20-May-99	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
MW-18A	13-Jun-85	ND(<0.5)	10	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(off-site)	19-Nov-91	ND(<0.5)	ND(<0.5)	---	ND(<0.5)	ND(<0.5)	ND(<1)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(SI 35.0-50.0)	20-Apr-95	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---
	19-Sep-95	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---
	15-Dec-95	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	8-Mar-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	11-Jun-96	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	30-Jun-97	ND(<0.50)	4.5	0.54	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	1-Oct-97	ND(<0.50)	3.0	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	CFM: 1.5	---	---	---
	28-Jul-98	ND(<0.50)	1.1	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	4-Feb-99	ND(<0.50)	18	2.7	ND(<0.50)	0.92	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)	---	---	---	---
	20-May-99	8.5	190	26	14	3.3	7.3	6.1	1.4	1.3	---	---	---	---

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
MW-2 (SI 14.0-21.0)	15-Nov-91	Not Located												
MW-7 (SI 10.0-13.0)	19-Apr-95	Not Located												
MW-19 (SI 10.0-25.0)	21-Mar-85	23	91	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---		---	---	---
	19-Apr-95	Not Located												
MW-21 (SI 10.0-25.0)	13-Jun-85	ND(<50)	2,200	---	800	ND(<50)	ND(<50)	110	ND(<50)	---		---	---	---
	19-Apr-95	Not Located												
TB-LB	2-Dec-97	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)		---	---	---
	19-May-98	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<0.50)	ND(<1.0)	ND(<0.50)	ND(<0.50)	ND(<0.50)		---	---	---

Notes appear on the following page.

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Groundwater Analytical Data - Halogenated Volatile Organic Compounds

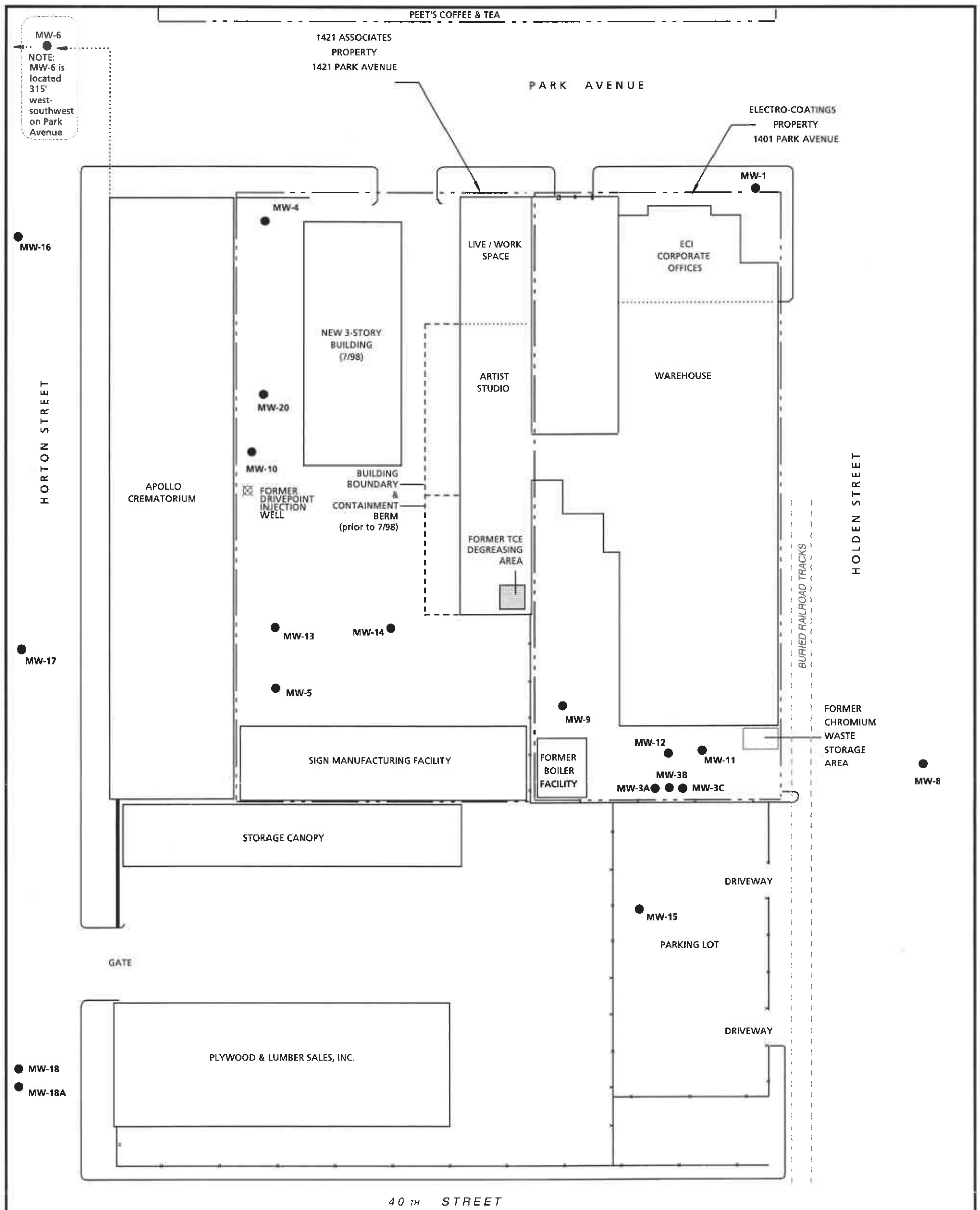
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well	Date Sampled	PCE (µg/L) (a)	TCE (µg/L) (a)	cis- 1,2-DCE (µg/L) (a)	trans- 1,2-DCE (µg/L) (a)	1,1-DCE (µg/L) (a)	Vinyl Chloride (µg/L) (a)	1,1,1-TCA (µg/L) (a)	1,1-DCA (µg/L) (a)	1,2-DCA (µg/L) (a)	Other Analytes (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethylene (µg/L)
	(a)	Analyzed by USEPA Method 8010.												
	(b)	Denotes well that was part of the pilot study performed from August 1995 through February 1996.												
	PCE	Tetrachloroethylene												
	TCE	Trichloroethylene												
	cis-1,2-DCE	cis-1,2-Dichloroethylene												
	trans-1,2-DCE	trans-1,2-Dichloroethylene												
	1,1-DCE	1,1-Dichloroethylene												
	1,1,1-TCA	1,1,1-Trichloroethane												
	1,1-DCA	1,1-Dichloroethane												
	1,2-DCA	1,2-Dichloroethane												
	CBz	Chlorobenzene												
	1,2-DCBz	1,2-Dichlorobenzene												
	CFM	Chloroform												
	CA	Chloroethane												
	ND()	Not detected; laboratory method detection limit in parentheses												
	TB-LB	Trip blank-laboratory blank												
	µg/L	Micrograms per liter												
	---	Not analyzed												
	SI	Screened interval												

Data from August 1977 through July 1994 taken from groundwater monitoring reports by American Environmental Management Corporation (January 27, 1992, and October 28, 1994).

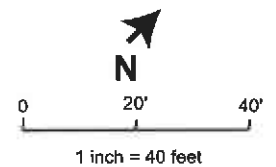
Beginning April 20, 1995, laboratory analyses performed by Sequoia Analytical (Walnut Creek and Redwood City, California).

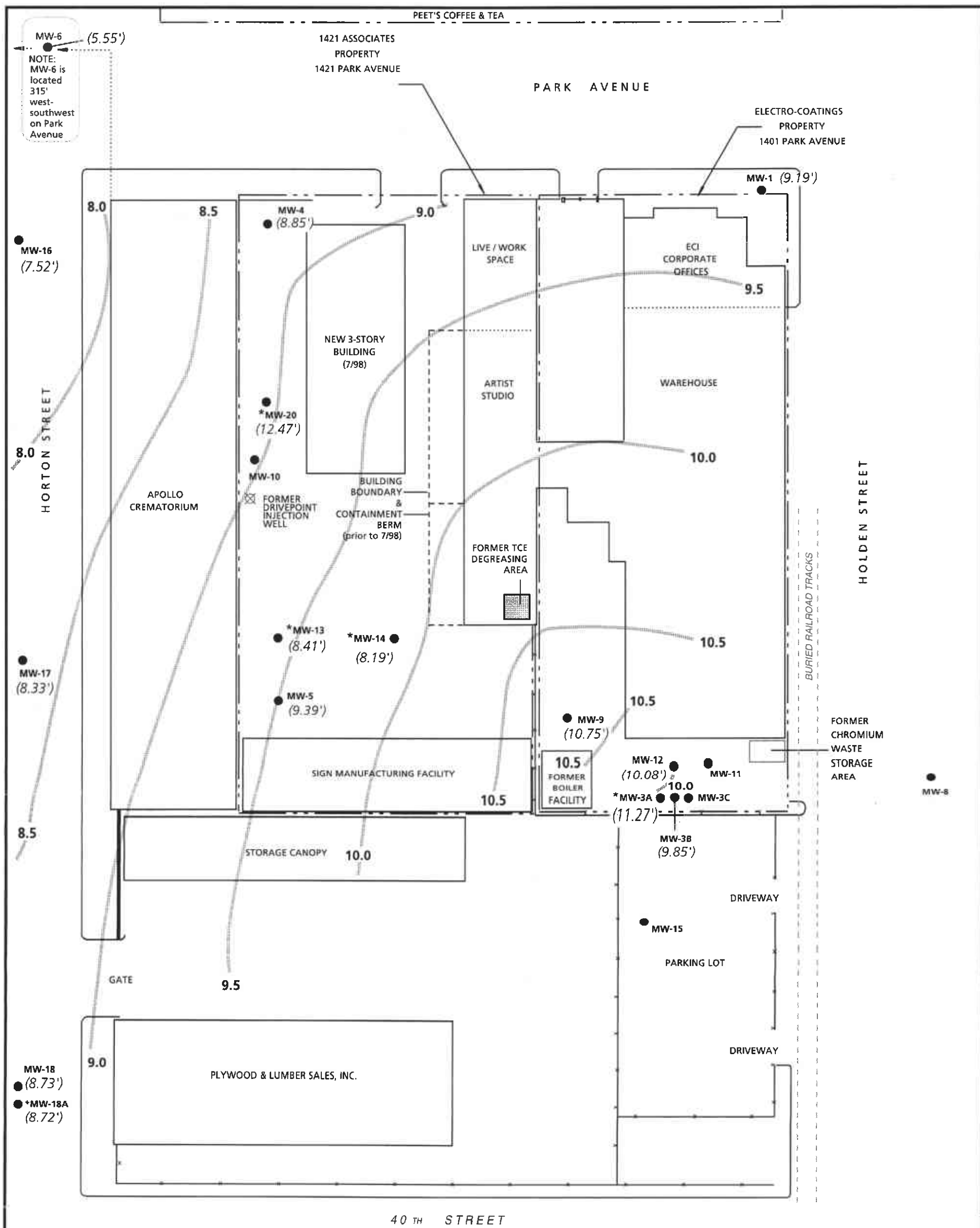
Methane, ethane, and ethylene analyses performed by Microseeps (Pittsburgh, Pennsylvania).








EXPLANATION

- MW-12 Monitoring Well
- Property Boundaries
- Buried Railroad Tracks
- Fence Line



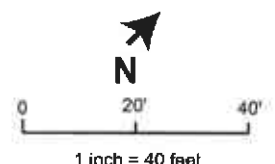


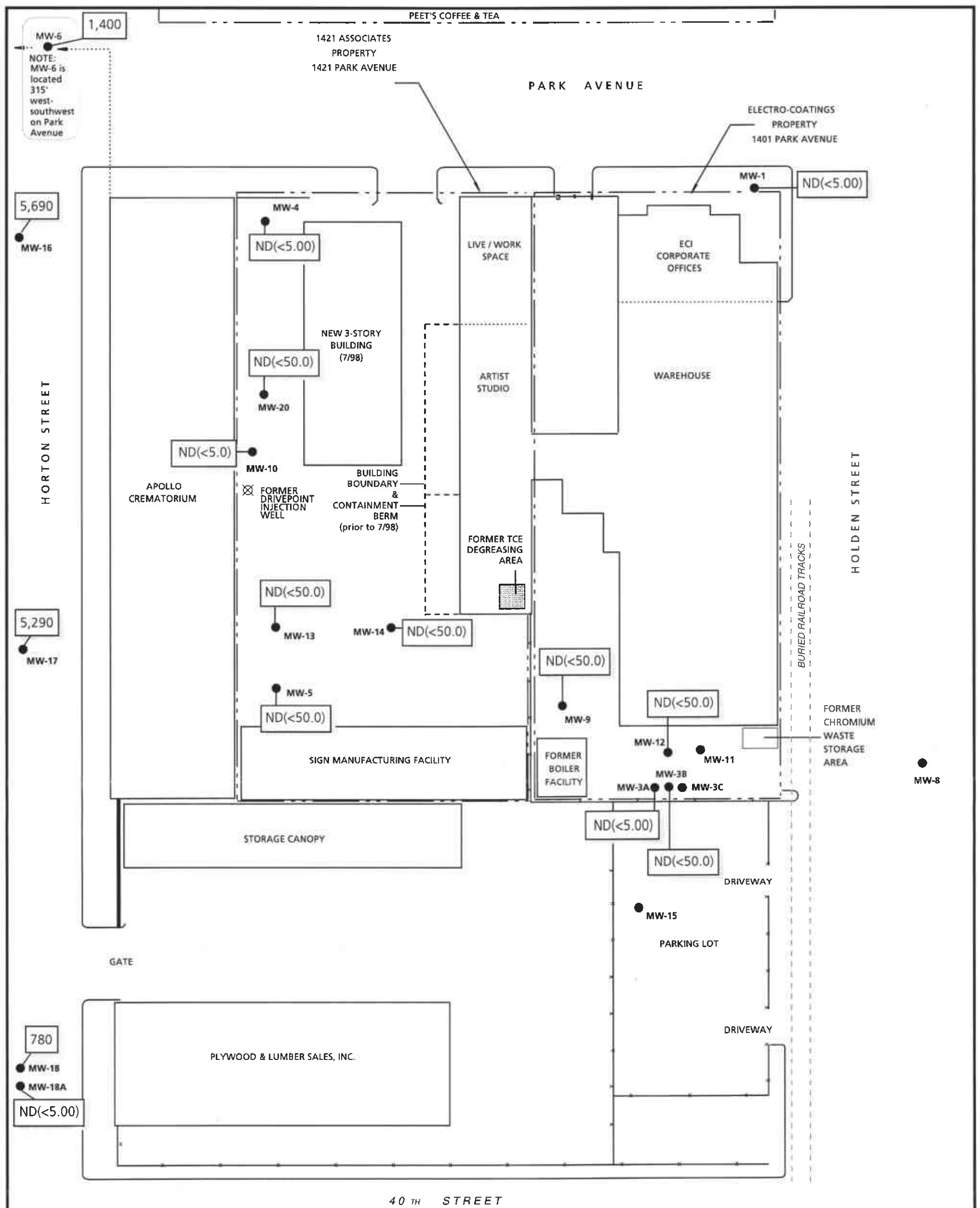
EXPLANATION

-  Monitoring Well
-  Property Boundaries
-  Buried Railroad Tracks
-  Fence Line
-  Groundwater Elevation
(feet above mean sea level)

* MW3A, MW-20 & MW18A are wells completed in a deeper water-bearing unit. Groundwater elevations for these wells were not used in evaluating groundwater contours.

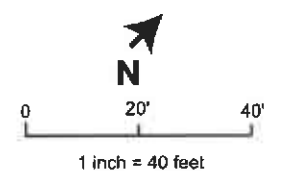
* Groundwater elevations for MW-13 and MW-14 A are inexplicably low. These elevations were not used in elevation groundwater contours.

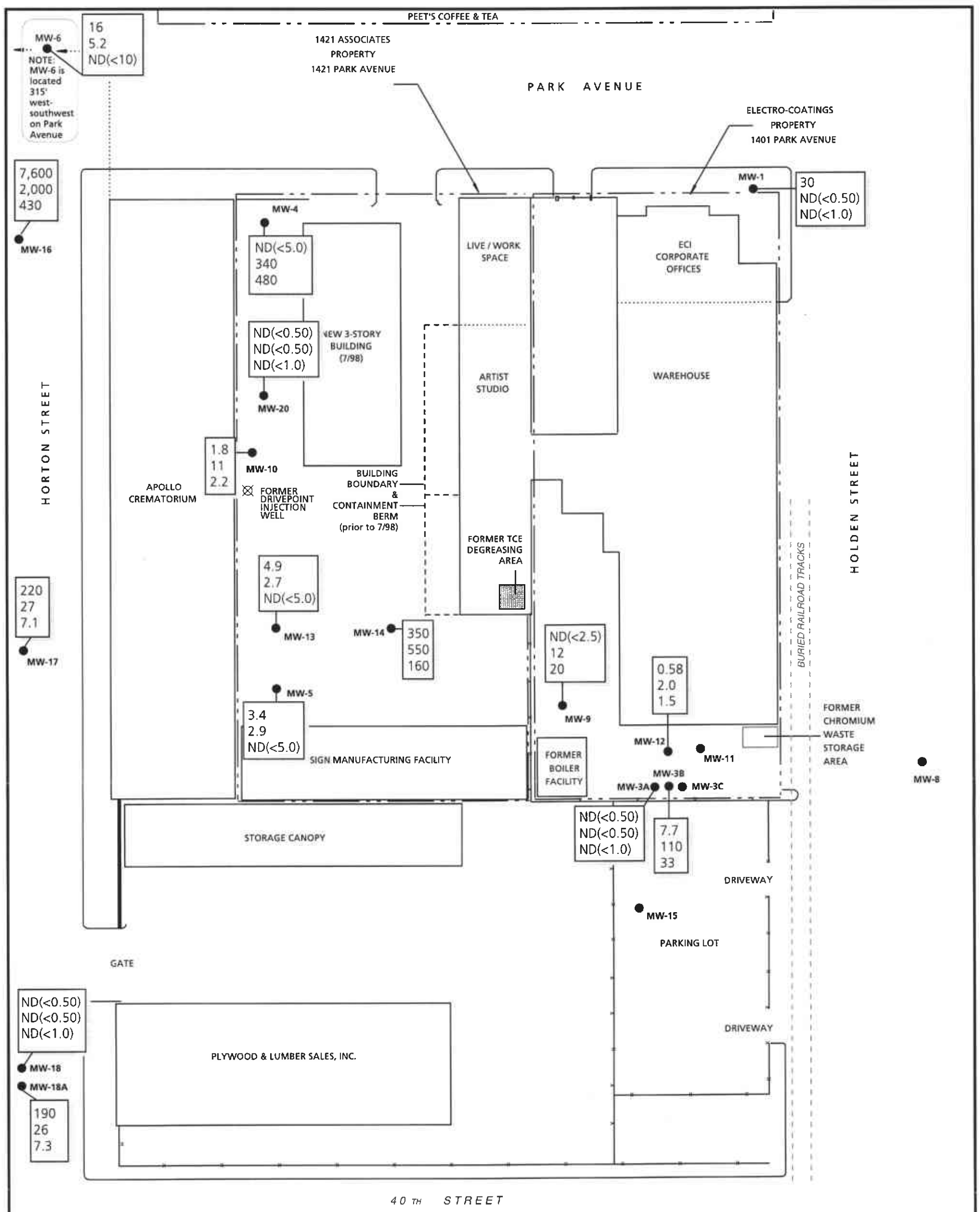




EXPLANATION

- MW-9 Monitoring Well
- ▭ 1421 Associates Property Property Boundaries
- ▭ Former Electro-Coatings, Inc. Facility
- - - Buried Railroad Tracks
- Fence Line
- 780 Hexavalent Chromium Concentrations (µg/L)

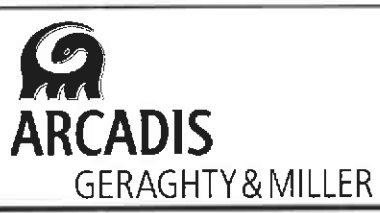
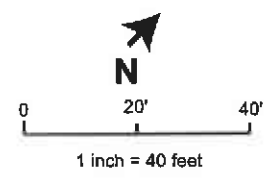




EXPLANATION

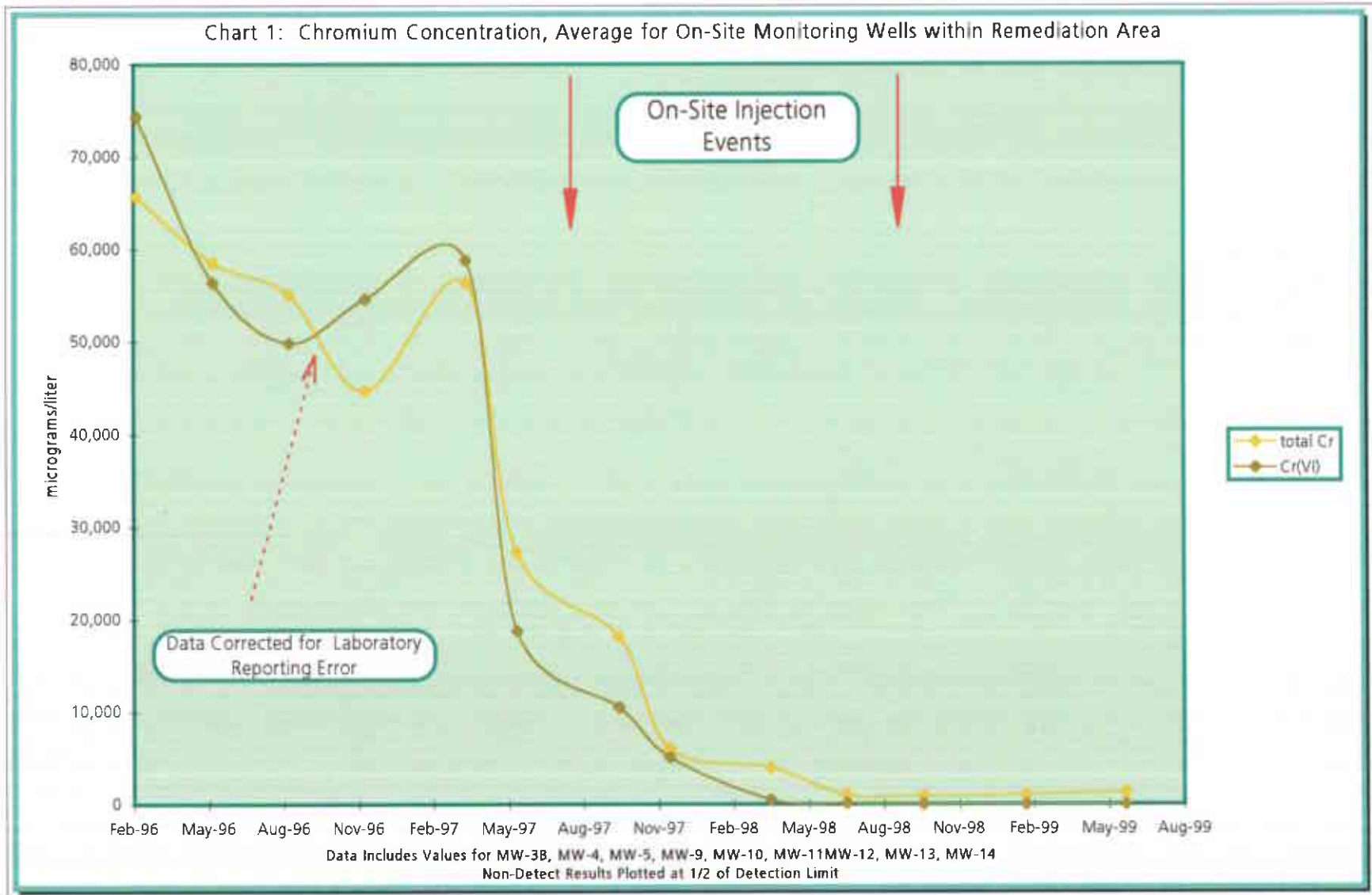
- Monitoring Well
- Property Boundaries
- Buried Railroad Tracks
- Fence Line

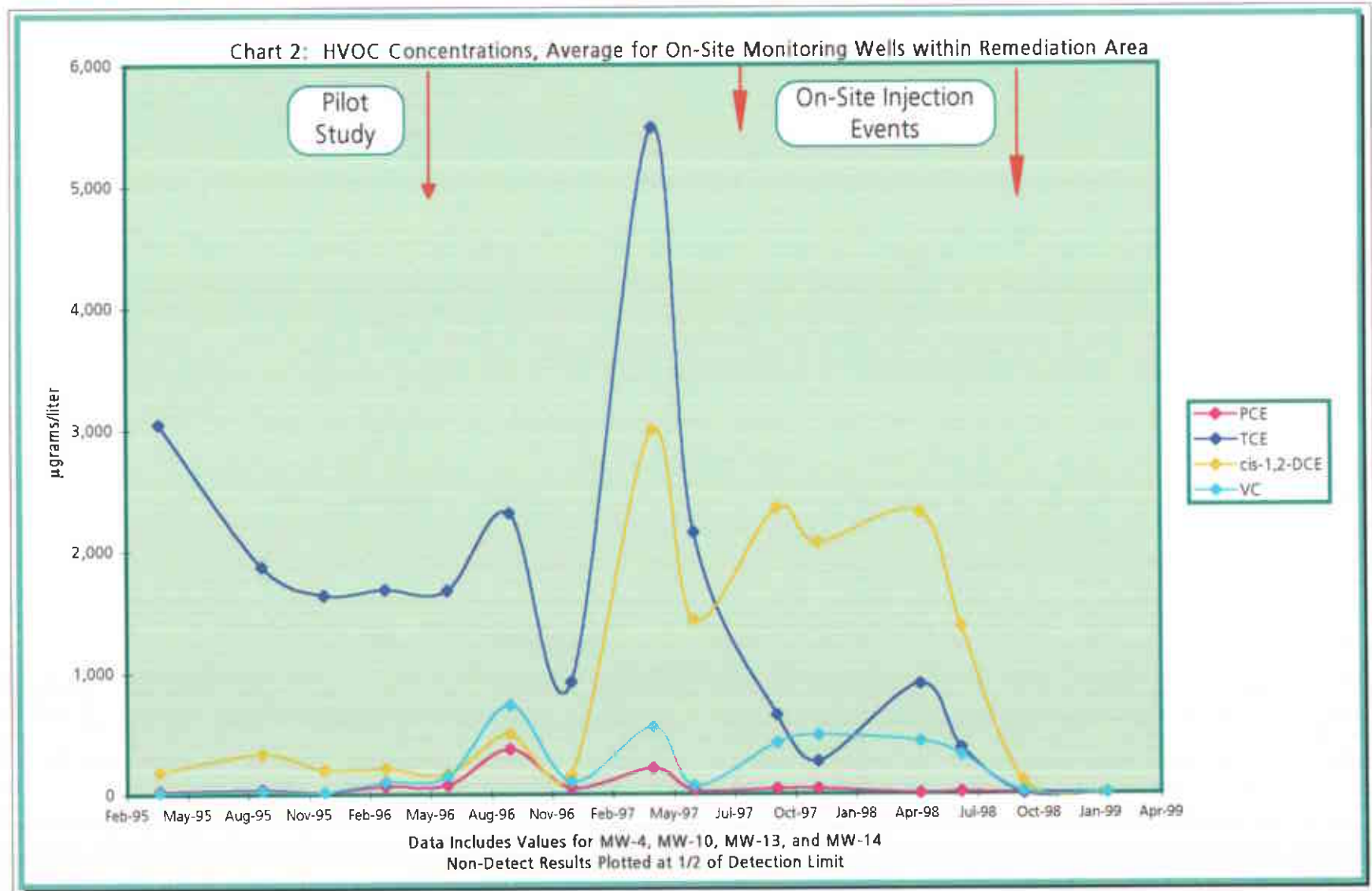
- 190 — Trichloroethylene (µg/L)
- 26 — cis-1,2-dichloroethylene (µg/L)
- 7.3 — vinylchloride (µg/L)



SITE PLAN WITH HVOC CONCENTRATIONS (MAY 1999)
 Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
 1421 Associates Property, 1421 Park Avenue
 Emeryville, California

RC000304
 FIGURE
4







Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003
Sample Descript: Water, MW-1
Analysis Method: EPA 8010
Lab Number: 905-1596

Sampled: May 20, 1999
Received: May 20, 1999
Analyzed: May 25, 1999
Reported: Jun 4, 1999

QC Batch Number: GC052599801007A

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.
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.....	10	N.D.
1,1,1,2-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	30
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

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

SEQUOIA ANALYTICAL, #1271

Sharma
Dimple Sharma
Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis / Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Steve Brussee

Client Project ID: ECI Emeryville
Sample Descript: Water, MW-3A
Analysis Method: EPA 8010
Lab Number: 905-1450

Sampled: May 19, 1999
Received: May 19, 1999
Analyzed: May 21, 1999
Reported: Jun 2, 1999

QC Batch Number: GC052199801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	RECEIVED		Detection Limit µg/L	Sample Results µg/L
	JUN 1 1999			
Bromodichloromethane.....			0.50	N.D.
Bromoform.....	ARCADIS Geraghty & Miller		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.
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		122
4-Bromofluorobenzene.....	50	150		96

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiger Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Steve Brussee

Client Project ID: ECI Emeryville
Sample Descript: Water, MW-3B
Analysis Method: EPA 8010
Lab Number: 905-1451

Sampled: May 19, 1999
Received: May 19, 1999
Analyzed: May 20, 1999
Reported: Jun 2, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	2.5	N.D.
Bromoform.....	2.5	N.D.
Bromomethane.....	5.0	N.D.
Carbon tetrachloride.....	2.5	N.D.
Chlorobenzene.....	2.5	N.D.
Chloroethane.....	5.0	N.D.
Chloroform.....	2.5	N.D.
Chloromethane.....	5.0	N.D.
Dibromochloromethane.....	2.5	N.D.
1,3-Dichlorobenzene.....	2.5	N.D.
1,4-Dichlorobenzene.....	2.5	N.D.
1,2-Dichlorobenzene.....	2.5	N.D.
1,1-Dichloroethane.....	2.5	34
1,2-Dichloroethane.....	2.5	N.D.
1,1-Dichloroethene.....	2.5	120
cis-1,2-Dichloroethene.....	2.5	110
trans-1,2-Dichloroethene.....	2.5	14
1,2-Dichloropropane.....	2.5	N.D.
cis-1,3-Dichloropropene.....	2.5	N.D.
trans-1,3-Dichloropropene.....	2.5	N.D.
Methylene chloride.....	25	N.D.
1,1,2,2-Tetrachloroethane.....	2.5	N.D.
Tetrachloroethene.....	2.5	N.D.
1,1,1-Trichloroethane.....	2.5	8.1
1,1,2-Trichloroethane.....	2.5	N.D.
Trichloroethene.....	2.5	7.7
Trichlorofluoromethane.....	2.5	N.D.
Vinyl chloride.....	5.0	33
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	102
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

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003- ECI/Emeryville
Sample Descript: Water, MW-4
Analysis Method: EPA 8010
Lab Number: 905-1754

Sampled: May 21, 1999
Received: May 21, 1999
Analyzed: May 26, 1999
Reported: Jun 7, 1999

QC Batch Number: GC052699801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	N.D.
cis-1,2-Dichloroethene.....	5.0	340
trans-1,2-Dichloroethene.....	5.0	250
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	N.D.
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	N.D.
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	480
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

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

Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003
Sample Descript: Water, MW-5
Analysis Method: EPA 8010
Lab Number: 905-1597

Sampled: May 20, 1999
Received: May 20, 1999
Analyzed: May 25, 1999
Reported: Jun 4, 1999

QC Batch Number: GC052599801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	2.5	N.D.
Bromoform.....	2.5	N.D.
Bromomethane.....	5.0	N.D.
Carbon tetrachloride.....	2.5	N.D.
Chlorobenzene.....	2.5	N.D.
Chloroethane.....	5.0	N.D.
Chloroform.....	2.5	N.D.
Chloromethane.....	5.0	N.D.
Dibromochloromethane.....	2.5	N.D.
1,3-Dichlorobenzene.....	2.5	N.D.
1,4-Dichlorobenzene.....	2.5	N.D.
1,2-Dichlorobenzene.....	2.5	N.D.
1,1-Dichloroethane.....	2.5	N.D.
1,2-Dichloroethane.....	2.5	N.D.
1,1-Dichloroethene.....	2.5	N.D.
cis-1,2-Dichloroethene.....	2.5	2.9
trans-1,2-Dichloroethene.....	2.5	5.7
1,2-Dichloropropane.....	2.5	N.D.
cis-1,3-Dichloropropene.....	2.5	N.D.
trans-1,3-Dichloropropene.....	2.5	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	2.5	N.D.
Tetrachloroethene.....	2.5	N.D.
1,1,1-Trichloroethane.....	2.5	N.D.
1,1,2-Trichloroethane.....	2.5	N.D.
Trichloroethene.....	2.5	3.4
Trichlorofluoromethane.....	2.5	N.D.
Vinyl chloride.....	5.0	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

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

Dimple Sharma
Dimple Sharma
Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003
Sample Descript: Water, MW-9
Analysis Method: EPA 8010
Lab Number: 905-1598

Sampled: May 20, 1999
Received: May 20, 1999
Analyzed: May 25, 1999
Reported: Jun 4, 1999

QC Batch Number: GC052599801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	2.5	N.D.
Bromoform.....	2.5	N.D.
Bromomethane.....	5.0	N.D.
Carbon tetrachloride.....	2.5	N.D.
Chlorobenzene.....	2.5	N.D.
Chloroethane.....	5.0	N.D.
Chloroform.....	2.5	N.D.
Chloromethane.....	5.0	N.D.
Dibromochloromethane.....	2.5	N.D.
1,3-Dichlorobenzene.....	2.5	N.D.
1,4-Dichlorobenzene.....	2.5	N.D.
1,2-Dichlorobenzene.....	2.5	N.D.
1,1-Dichloroethane.....	2.5	N.D.
1,2-Dichloroethane.....	2.5	N.D.
1,1-Dichloroethene.....	2.5	N.D.
cis-1,2-Dichloroethene.....	2.5	12
trans-1,2-Dichloroethene.....	2.5	3.1
1,2-Dichloropropane.....	2.5	N.D.
cis-1,3-Dichloropropene.....	2.5	N.D.
trans-1,3-Dichloropropene.....	2.5	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	2.5	N.D.
Tetrachloroethene.....	2.5	N.D.
1,1,1-Trichloroethane.....	2.5	N.D.
1,1,2-Trichloroethane.....	2.5	N.D.
Trichloroethene.....	2.5	N.D.
Trichlorofluoromethane.....	2.5	N.D.
Vinyl chloride.....	5.0	20
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 96
4-Bromofluorobenzene.....	50	150..... 128

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

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003- ECI/Emeryville
Sample Descript: Water, MW-10
Analysis Method: EPA 8010
Lab Number: 905-1752

Sampled: May 21, 1999
Received: May 21, 1999
Analyzed: May 27, 1999
Reported: Jun 7, 1999

QC Batch Number: GC052699801006A

Instrument ID: HP-6

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	10
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	2.6
1,2-Dichloroethane.....	0.50	0.66
1,1-Dichloroethene.....	0.50	0.90
cis-1,2-Dichloroethene.....	0.50	11
trans-1,2-Dichloroethene.....	0.50	1.8
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.
1,1,1,2-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	1.8
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	2.2
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: Steve Brussee	Client Project ID: ECI Emeryville Sample Descript: Water, MW-12 Analysis Method: EPA 8010 Lab Number: 905-1452	Sampled: May 19, 1999 Received: May 19, 1999 Analyzed: May 21, 1999 Reported: Jun 2, 1999
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QC Batch Number: GC052199801006A

Instrument ID: HP-6

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.
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	0.53
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	2.0
trans-1,2-Dichloroethene.....	0.50	0.84
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	0.58
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	1.5
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 118
4-Bromofluorobenzene.....	50	150..... 97

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003
Sample Descript: Water, MW-13
Analysis Method: EPA 8010
Lab Number: 905-1599

Sampled: May 20, 1999
Received: May 20, 1999
Analyzed: May 25, 1999
Reported: Jun 4, 1999

QC Batch Number: GC052599801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L	
Bromodichloromethane.....	2.5	N.D.	
Bromoform.....	2.5	N.D.	
Bromomethane.....	5.0	N.D.	
Carbon tetrachloride.....	2.5	N.D.	
Chlorobenzene.....	2.5	N.D.	
Chloroethane.....	5.0	N.D.	
Chloroform.....	2.5	N.D.	
Chloromethane.....	5.0	N.D.	
Dibromochloromethane.....	2.5	N.D.	
1,3-Dichlorobenzene.....	2.5	N.D.	
1,4-Dichlorobenzene.....	2.5	N.D.	
1,2-Dichlorobenzene.....	2.5	N.D.	
1,1-Dichloroethane.....	2.5	6.1	
1,2-Dichloroethane.....	2.5	N.D.	
1,1-Dichloroethene.....	2.5	N.D.	
cis-1,2-Dichloroethene.....	2.5	2.7	
trans-1,2-Dichloroethene.....	2.5	N.D.	
1,2-Dichloropropane.....	2.5	N.D.	
cis-1,3-Dichloropropene.....	2.5	N.D.	
trans-1,3-Dichloropropene.....	2.5	N.D.	
Methylene chloride.....	50	N.D.	
1,1,1,2-Tetrachloroethane.....	2.5	N.D.	
Tetrachloroethene.....	2.5	N.D.	
1,1,1-Trichloroethane.....	2.5	N.D.	
1,1,2-Trichloroethane.....	2.5	N.D.	
Trichloroethene.....	2.5	4.9	
Trichlorofluoromethane.....	2.5	N.D.	
Vinyl chloride.....	5.0	N.D.	
Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150.....	96
4-Bromofluorobenzene.....	50	150.....	129

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

Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: S. J. B.	Client Project ID: RC000304.0003- ECI/Emeryville Sample Descript: Water, MW-14 Analysis Method: EPA 8010 Lab Number: 905-1751	Sampled: May 21, 1999 Received: May 21, 1999 Analyzed: May 26, 1999 Reported: Jun 7, 1999
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QC Batch Number: GC052699801006A

Instrument ID: HP-6

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.
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	550
trans-1,2-Dichloroethene.....	0.50	12
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.....	10	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	350
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	160
Surrogates		
	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	108
4-Bromofluorobenzene.....	50 150.....	98

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: S. J. B.	Client Project ID: RC000304.0003- ECI/Emeryville Sample Descript: Water, MW-20 Analysis Method: EPA 8010 Lab Number: 905-1748	Sampled: May 21, 1999 Received: May 21, 1999 Analyzed: May 27, 1999 Reported: Jun 7, 1999
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QC Batch Number: GC052699801006A

Instrument ID: HP-6

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.
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.....	113
4-Bromofluorobenzene.....	50 150.....	103

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

SEQUOIA ANALYTICAL, #1271

Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: S. J. B.	Client Project ID: RC000304.0003- ECI/Emeryville Sample Descript: Water, MW-6 Analysis Method: EPA 8010 Lab Number: 905-1753	Sampled: May 21, 1999 Received: May 21, 1999 Analyzed: May 26, 1999 Reported: Jun 7, 1999
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QC Batch Number: GC052699801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	N.D.
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	1.4
cis-1,2-Dichloroethene.....	5.0	5.2
trans-1,2-Dichloroethene.....	5.0	0.52
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	1.2
1,1,1-Trichloroethane.....	5.0	N.D.
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	16
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150..... 121
4-Bromofluorobenzene.....	50	150..... 111

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

Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: S. J. B.	Client Project ID: RC000304.0003- ECI/Emeryville Sample Descript: Water, MW-16 Analysis Method: EPA 8010 Lab Number: 905-1750	Sampled: May 21, 1999 Received: May 21, 1999 Analyzed: May 26, 1999 Reported: Jun 7, 1999
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QC Batch Number: GC052699801006A
Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	5.0	N.D.
Bromoform.....	5.0	N.D.
Bromomethane.....	10	N.D.
Carbon tetrachloride.....	5.0	N.D.
Chlorobenzene.....	5.0	N.D.
Chloroethane.....	10	N.D.
Chloroform.....	5.0	N.D.
Chloromethane.....	10	N.D.
Dibromochloromethane.....	5.0	N.D.
1,3-Dichlorobenzene.....	5.0	N.D.
1,4-Dichlorobenzene.....	5.0	N.D.
1,2-Dichlorobenzene.....	5.0	N.D.
1,1-Dichloroethane.....	5.0	38
1,2-Dichloroethane.....	5.0	N.D.
1,1-Dichloroethene.....	5.0	620
cis-1,2-Dichloroethene.....	5.0	2,000
trans-1,2-Dichloroethene.....	5.0	110
1,2-Dichloropropane.....	5.0	N.D.
cis-1,3-Dichloropropene.....	5.0	N.D.
trans-1,3-Dichloropropene.....	5.0	N.D.
Methylene chloride.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	5.0	N.D.
Tetrachloroethene.....	5.0	13
1,1,1-Trichloroethane.....	5.0	110
1,1,2-Trichloroethane.....	5.0	N.D.
Trichloroethene.....	5.0	7,600
Trichlorofluoromethane.....	5.0	N.D.
Vinyl chloride.....	10	430

Surrogates	Control Limit %	% Recovery	
Dibromodifluoromethane.....	50	150	134
4-Bromofluorobenzene.....	50	150	113

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

Dimple Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: S. J. B.	Client Project ID: RC000304.0003- ECI/Emeryville Sample Descript: Water, MW-17 Analysis Method: EPA 8010 Lab Number: 905-1749	Sampled: May 21, 1999 Received: May 21, 1999 Analyzed: May 26, 1999 Reported: Jun 7, 1999
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QC Batch Number: GC052699801006A

instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	2.5	N.D.
Bromoform.....	2.5	N.D.
Bromomethane.....	5.0	N.D.
Carbon tetrachloride.....	2.5	N.D.
Chlorobenzene.....	2.5	14
Chloroethane.....	5.0	N.D.
Chloroform.....	2.5	N.D.
Chloromethane.....	5.0	N.D.
Dibromochloromethane.....	2.5	N.D.
1,3-Dichlorobenzene.....	2.5	N.D.
1,4-Dichlorobenzene.....	2.5	N.D.
1,2-Dichlorobenzene.....	2.5	11
1,1-Dichloroethane.....	2.5	N.D.
1,2-Dichloroethane.....	2.5	N.D.
1,1-Dichloroethene.....	2.5	28
cis-1,2-Dichloroethene.....	2.5	27
trans-1,2-Dichloroethene.....	2.5	11
1,2-Dichloropropane.....	2.5	N.D.
cis-1,3-Dichloropropene.....	2.5	N.D.
trans-1,3-Dichloropropene.....	2.5	N.D.
Methylene chloride.....	50	N.D.
1,1,2,2-Tetrachloroethane.....	2.5	N.D.
Tetrachloroethene.....	2.5	6.4
1,1,1-Trichloroethane.....	2.5	N.D.
1,1,2-Trichloroethane.....	2.5	N.D.
Trichloroethene.....	2.5	220
Trichlorofluoromethane.....	2.5	N.D.
Vinyl chloride.....	5.0	7.1
Surrogates		
	Control Limit %	% Recovery
Dibromodifluoromethane.....	50 150.....	132
4-Bromofluorobenzene.....	50 150.....	111

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

Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Wainut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc. 1050 Marina Way South Richmond, CA 94804 Attention: S. J. B.	Client Project ID: RC000304.0003 Sample Descript: Water, MW-18 Analysis Method: EPA 8010 Lab Number: 905-1600	Sampled: May 20, 1999 Received: May 20, 1999 Analyzed: May 25, 1999 Reported: Jun 4, 1999
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QC Batch Number: GC052599801007A

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.
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	54
4-Bromofluorobenzene.....	50	150	93

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

SEQUOIA ANALYTICAL, #1271

Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd, North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Wainut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003
Sample Descript: Water, MW-18A
Analysis Method: EPA 8010
Lab Number: 905-1601

Sampled: May 20, 1999
Received: May 20, 1999
Analyzed: May 25, 1999
Reported: Jun 4, 1999

QC Batch Number: GC052599801007A

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.
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	1.4
1,2-Dichloroethane.....	0.50	1.3
1,1-Dichloroethene.....	0.50	3.3
cis-1,2-Dichloroethene.....	0.50	26
trans-1,2-Dichloroethene.....	0.50	14
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.....	10	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	8.5
1,1,1-Trichloroethane.....	0.50	6.1
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	190
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	7.3
Surrogates	Control Limit %	% Recovery
Chloro-2-fluorobenzene.....	50	150
4-Bromofluorobenzene.....	50	150

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

SEQUOIA ANALYTICAL, #1271

Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: Steve Brussee

Client Project ID: ECI Emeryville
Matrix: Liquid

QC Sample Group: 9051450-452

Reported: Jun 2, 1999

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC052099 801006A	GC052099 801006A	GC052099 801006A	GC052199 801006A	GC052199 801006A	GC052199 801006A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya
MS/MSD #:	9051304	9051304	9051304	9050272	9050272	9050272
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/20/99	3/20/99	3/20/99	5/21/99	5/21/99	5/21/99
Analyzed Date:	3/20/99	3/20/99	3/20/99	5/21/99	5/21/99	5/21/99
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-6	HP-6	HP-6
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L	20 µg/L	20 µg/L
Result:	16	18	15	15	21	17
MS % Recovery:	80	90	75	75	105	85
Dup. Result:	18	21	16	14	20	17
MSD % Recov.:	90	105	80	70	100	85
RPD:	12	15	6.5	6.9	4.9	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25	0-25

LCS #:	LCS052099	LCS052099	LCS052099	LCS052199	LCS052199	LCS052199
Prepared Date:	5/20/99	5/20/99	5/20/99	5/21/99	5/21/99	5/21/99
Analyzed Date:	5/20/99	5/20/99	5/20/99	5/21/99	5/21/99	5/21/99
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-6	HP-6	HP-6
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L	20 µg/L	20 µg/L
LCS Result:	14	17	16	13	18	16
LCS % Recov.:	70	85	80	65	90	80

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma

Dimple Sharma
Project Manager





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

- 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
- 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: <u>ARCADIS GERAGHTY + MILLER - RC000304.0003</u>		Project Name: <u>ECI EMERTVILLE</u>	
Mailing Address: <u>1050 MARINA WAY SO.</u>		Billing Address (if different): <u>9905407</u>	
City: <u>RICHMOND</u>	State: <u>CA</u>	Zip Code:	
Telephone: <u>510-233-7200</u>	FAX #:	P.O. #:	
Report To: <u>STEVE BRUSSEE</u>	Sampler: <u>LOW KINE</u>	QC Data: <input type="checkbox"/> Level II (Standard) <input type="checkbox"/> Chromatograms <input type="checkbox"/> Level III <input type="checkbox"/> Level IV	

Turnaround Time: <input type="checkbox"/> Standard 10-15 Working Days	<input type="checkbox"/> 7 Working Days	<input type="checkbox"/> 2 Working Days	<input type="checkbox"/> Drinking Water
<input type="checkbox"/> 5 Working Days	<input type="checkbox"/> 1 Working Day	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Other
<input type="checkbox"/> 3 Working Days	<input type="checkbox"/> ASAP	Analyses Requested	

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested										Comments			
1. <u>MW-3A</u>	<u>5-19-99</u>	<u>L</u>	<u>5</u>	<u>Van Arsenic</u>	<u>9051450</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
2. <u>MW-3B</u>	<u>5-19-99</u>	<u>L</u>	<u>5</u>	<u>"</u>	<u>9051451</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
3. <u>MW-12</u>	<u>5-19-99</u>	<u>L</u>	<u>5</u>	<u>"</u>	<u>9051452</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

Relinquished By: <u>RLAKY</u>	Date: <u>5/19/99</u>	Time: <u>1850</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By Lab: <u>RAMA</u>	Date: <u>5/16/99</u>	Time: <u>1650</u>

Pink - Client
Yellow - Sequoia
White - Sequoia



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003- ECI/Emeryville
Matrix: Liquid

QC Sample Group: 9051748-754

Reported: Jun 7, 1999

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC052699	GC052699	GC052699	GC052699	GC052699	GC052699
	801006A	801006A	801006A	801006A	801006A	801006A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya
MS/MSD #:	9051963	9051963	9051963	-	-	-
Sample Conc.:	N.D.	N.D.	N.D.	-	-	-
Prepared Date:	5/26/99	5/26/99	5/26/99	-	-	-
Analyzed Date:	5/26/99	5/26/99	5/26/99	-	-	-
Instrument I.D.#:	HP-6	HP-6	HP-6	-	-	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	-	-	-
Result:	23	26	21	-	-	-
MS % Recovery:	115	130	105	-	-	-
Dup. Result:	21	23	19	-	-	-
MSD % Recov.:	105	115	95	-	-	-
RPD:	9.1	12	10	-	-	-
RPD Limit:	0-25	0-25	0-25	-	-	-

LCS #:	LCS052699	LCS052699	LCS052699	LCS052799	LCS052799	LCS052799
Prepared Date:	5/26/99	5/26/99	5/26/99	5/27/99	5/27/99	5/27/99
Analyzed Date:	5/26/99	5/26/99	5/26/99	5/27/99	5/27/99	5/27/99
Instrument I.D.#:	HP-6	HP-6	HP-6	HP-6	HP-6	HP-6
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L	20 µg/L	20 µg/L
LCS Result:	19	21	18	17	19	17
LCS % Recov.:	95	105	90	85	95	85

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

SEQUOIA ANALYTICAL, #1271

Sharma

Dimple Sharma
Project Manager



Project Number/Name EQ 000304.0003
 Project Location ECI/EMERYVILLE
 Laboratory SEQUOIA
 Project Manager STB
 Sampler(s)/Affiliation EK

ANALYSIS / METHOD / SIZE

99.05524

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	2010	TOTAL CHROMIUM	HEXAVALENT CHROMIUM			Remarks	Total
MW-20	L	5-21-99 AS		X	X	X	9051748	A-E		5
MW-17	L	LABELED		X	X	X	9051749	}		5
MW-16	L			X	X	X	9051750		5	
MW-14	L			X	X	X	9051751		5	
MW-10	L			X	X	X	9051752		5	
MW-6	L			X	X	X	9051753		5	
MW-4	L			X	X	X	9051754		5	

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

Total No. of Bottles/Containers

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS GERAGHTY & MILLER</u>	Date: <u>5/21/99</u>	Time: <u>1506</u>	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>SEQUOIA</u>	Date: <u>5/21/99</u>	Time: <u>1506</u>	Yes No N/A
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact?
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
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(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Arcadis/ Geraghty & Miller, Inc.
1050 Marina Way South
Richmond, CA 94804
Attention: S. J. B.

Client Project ID: RC000304.0003
Matrix: Liquid

QC Sample Group: 9051596-601

Reported: Jun 4, 1999

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC052599 801007A	GC052599 801007A	GC052599 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya
MS/MSD #:	9051622	9051622	9051622
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	5/25/99	5/25/99	5/25/99
Analyzed Date:	5/25/99	5/25/99	5/25/99
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L
Result:	23	21	19
MS % Recovery:	115	105	95
Dup. Result:	23	22	17
MSD % Recov.:	115	110	85
RPD:	0.0	4.7	11
RPD Limit:	0-25	0-25	0-25

LCS #:	LCS052599	LCS052599	LCS052599
Prepared Date:	5/25/99	5/25/99	5/25/99
Analyzed Date:	5/25/99	5/25/99	5/25/99
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L
LCS Result:	21	19	19
LCS % Recov.:	105	95	95

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

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

SEQUOIA ANALYTICAL, #1271

D Sharma
Dimple Sharma
Project Manager



Project Number/Name RC000304.0003
 Project Location SO1/EMERYVILLE
 Laboratory SEQUOIA
 Project Manager STB
 Sampler(s)/Affiliation RK

9905469

*STB
TH*

				ANALYSIS / METHOD / SIZE					
				8010	TOTAL CHROMIUM	HEXAVALENT CHROMIUM			

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Remarks	Total
* MW-1		5/20/99			9051596 A-E
MW-3A		↓			
MW-3B					
MW-4					
* MW-5					9051597 A-E
MW-6					
* MW-9					9051598 A-E
MW-10					
MW-12					
* MW-13					9051599 A-E
MW-14					
MW-16					
MW-17					
* MW-18				9051600 A-E	
* MW-18A				9051601 A-E	

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

Total No. of Bottles/Containers 30

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS GERAGHTY & MILLER</u>	Date: <u>5/20/99</u>	Time: <u>15:30</u>	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>ARCADIS</u>	Date: <u>5/20/99</u>	Time: <u>15:30</u>	Yes No N/A
Relinquished by: <u>[Signature]</u>	Organization: _____	Date: <u>5/20/99</u>	Time: <u>16:37</u>	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>SEQUOIA-WC</u>	Date: <u>5/20/99</u>	Time: <u>16:37</u>	Yes No N/A

Special Instructions/Remarks: _____



Geraghty & Miller 555 Clyde Avenue, Bldg. 6 Mountain View, CA 94039	Project: ECI/Emeryville Project Number: RC000304-0001 Project Manager: Ron King	Sampled: 6/25/99 Received: 6/26/99 Reported: 7/20/99
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ANALYTICAL REPORT FOR M906724

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-13	M906724-01	Water	6/25/99
MW-5	M906724-02	Water	6/25/99
MW-14	M906724-03	Water	6/25/99
MW-10	M906724-04	Water	6/25/99
MW-20	M906724-05	Water	6/25/99
MW-4	M906724-06	Water	6/25/99
MW-1	M906724-07	Water	6/25/99
MW-3A	M906724-08	Water	6/25/99
MW-3B	M906724-09	Water	6/25/99
MW-12	M906724-10	Water	6/25/99
MW-9	M906724-11	Water	6/25/99
MW-6	M906724-12	Water	6/25/99
MW-16	M906724-13	Water	6/25/99
MW-17	M906724-14	Water	6/25/99
MW-18A	M906724-15	Water	6/25/99
MW-18	M906724-16	Water	6/25/99





Geraghty & Miller 555 Clyde Avenue, Bldg. 6 Mountain View, CA 94039	Project: ECI/Emeryville Project Number: RC000304-0001 Project Manager: Ron King	Sampled: 6/25/99 Received: 6/26/99 Reported: 7/20/99
---	---	--

**Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-13								
Chromium								
	9060527	6/30/99	7/14/99	EPA 6010A	0.0200	2.50	mg/l	✓ D
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	"	D
MW-5								
Chromium								
	9060527	6/30/99	7/14/99	EPA 6010A	0.0200	3.80	mg/l	✓ D
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	"	D
MW-14								
Chromium								
	9060527	6/30/99	7/14/99	EPA 6010A	1.00	2.50	mg/l	✓ D
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	"	D
MW-10								
Chromium								
	9060527	6/30/99	7/14/99	EPA 6010A	0.0100	0.240	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.00500	ND	"	
MW-20								
Chromium								
	9060527	6/30/99	7/14/99	EPA 6010A	0.0100	ND	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	"	D
MW-4								
Chromium								
	9060527	6/30/99	7/14/99	EPA 6010A	0.0100	ND	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.00500	ND	"	
MW-1								
Chromium								
	9060527	6/30/99	7/8/99	EPA 6010A	0.0100	ND	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.00500	ND	"	
MW-3A								
Chromium								
	9060527	6/30/99	7/8/99	EPA 6010A	0.0100	ND	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.00500	ND	"	
MW-3B								
Chromium								
	9060527	6/30/99	7/8/99	EPA 6010A	0.0100	ND	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	"	D
MW-12								
Chromium								
	9060527	6/30/99	7/8/99	EPA 6010A	0.0100	0.140	mg/l	✓
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	"	D
MW-9								
Chromium								
	9060527	6/30/99	7/8/99	EPA 6010A	0.0100	1.40	mg/l	✓





Geraghty & Miller 555 Clyde Avenue, Bldg. 6 Mountain View, CA 94039	Project: ECI/Emeryville Project Number: RC000304-0001 Project Manager: Ron King	Sampled: 6/25/99 Received: 6/26/99 Reported: 7/20/99
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**Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-9 (continued)				M906724-11			Water	
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	ND	mg/l ✓	D
MW-6				M906724-12			Water	
Chromium	9060527	6/30/99	7/8/99	EPA 6010A	0.0100	17.0	mg/l ✓	
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	1.40	"	D
MW-16				M906724-13			Water	
Chromium	9060525	6/30/99	7/14/99	EPA 6010A	0.0100	94.0	mg/l ✓	
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	5.69	"	D
MW-17				M906724-14			Water	
Chromium	9060525	6/30/99	7/14/99	EPA 6010A	0.0100	110	mg/l ✓	
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	5.29	"	D
MW-18A				M906724-15			Water	
Chromium	9060525	6/30/99	7/14/99	EPA 6010A	0.0100	1.50	mg/l ✓	
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.00500	ND	"	
MW-18				M906724-16			Water	
Chromium	9060525	6/30/99	7/14/99	EPA 6010A	0.0100	9.30	mg/l ✓	
Hexavalent Chromium	9070026	6/27/99	6/27/99	EPA 7196A	0.0500	0.780	"	D





Geraghty & Miller 555 Clyde Avenue, Bldg. 6 Mountain View, CA 94039	Project: ECI/Emeryville Project Number: RC000304-0001 Project Manager: Ron King	Sampled: 6/25/99 Received: 6/26/99 Reported: 7/20/99
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Total Metals by EPA 6000/7000 Series Methods/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060525						Extraction Method: EPA 3010A				
Blank						9060525-BLK1				
Chromium	7/14/99			ND	mg/l	0.0100				
LCS						9060525-BS1				
Chromium	7/14/99	1.00		0.960	mg/l	80.0-120	96.0			
Matrix Spike						9060525-MS1 M906843-01				
Chromium	7/14/99	1.00	0.0110	0.970	mg/l	80.0-120	95.9			
Matrix Spike Dup						9060525-MSD1 M906843-01				
Chromium	7/14/99	1.00	0.0110	1.00	mg/l	80.0-120	98.9	20.0	3.08	
Batch: 9060527						Extraction Method: EPA 3010A				
Blank						9060527-BLK1				
Chromium	7/9/99			ND	mg/l	0.0100				
LCS						9060527-BS1				
Chromium	7/9/99	1.00		1.04	mg/l	80.0-120	104			
Matrix Spike						9060527-MS1 M906707-01				
Chromium	7/9/99	1.00	0.880	1.69	mg/l	80.0-120	81.0			D
Matrix Spike Dup						9060527-MSD1 M906707-01				
Chromium	7/9/99	1.00	0.880	1.20	mg/l	80.0-120	32.0	20.0	86.7	1,D
Batch: 9070026						Extraction Method: General Preparation				
Blank						9070026-BLK1				
Hexavalent Chromium	6/27/99			ND	mg/l	0.00500				
LCS						9070026-BS1				
Hexavalent Chromium	6/27/99	0.250		0.206	mg/l	80.0-120	82.4			
Matrix Spike						9070026-MS1 M906724-05				
Hexavalent Chromium	6/27/99	0.250	ND	0.197	mg/l	75.0-125	78.8			
Matrix Spike Dup						9070026-MSD1 M906724-05				
Hexavalent Chromium	6/27/99	0.250	ND	0.202	mg/l	75.0-125	80.8	20.0	2.51	





Geraghty & Miller
555 Clyde Avenue, Bldg. 6
Mountain View, CA 94039

Project: ECI/Emeryville
Project Number: RC000304-0001
Project Manager: Ron King

Sampled: 6/25/99
Received: 6/26/99
Reported: 7/20/99

Notes and Definitions

#	Note
---	------

D	Data reported from a dilution.
---	--------------------------------

1	The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
---	---

DET	Analyte DETECTED
-----	------------------

ND	Analyte NOT DETECTED at or above the reporting limit
----	--

NR	Not Reported
----	--------------

dry	Sample results reported on a dry weight basis
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Recov.	Recovery
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RPD	Relative Percent Difference
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Project Number R0000304.0001

Project Location ECI / EMERYVILLE

Laboratory SEQUOIA M.H.

Sampler(s)/Affiliation LOW KING

SAMPLE BOTTLE / CONTAINER DESCRIPTION

TOTAL CHROMIUM
HEXAVALENT CHROMIUM

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	TOTAL CHROMIUM	HEXAVALENT CHROMIUM								TOTAL
MU-18	L	6.25.99 16:03		+	+								
										48 HR HOLD			

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

Total No. of Bottles/Containers

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS GEACITY & MILLER</u>	Date: <u>6/26/98</u>	Time: <u>09:48</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>6/26/98</u>	Time: <u>9:50</u>	
Relinquished by: _____	Organization: _____	Date: <u>/ /</u>	Time: _____	Seal Intact? Yes No N/A
Received by: _____	Organization: _____	Date: <u>/ /</u>	Time: _____	

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other

Project Number RC000304.0001
 Project Location ECI/EMERYVILLE
 Laboratory SEQUOIA, MH.
 Sampler(s)/Affiliation RON KIDG

SAMPLE IDENTITY Code Date/Time Sampled Lab ID

			SAMPLE BOTTLE / CONTAINER DESCRIPTION										M906724			
			TOTAL CHROMIUM					HEXAVALENT CHROMIUM					TOTAL			
MW-13	L	6/25/99 0935														
MW-5		1060														
MW-14		1080														
MW-10		1045														
MW-20		1109														
MW-4		1133														
MW-1		1205														
MW-3A		1253														
MW-3B		1315														
MW-12		1335														
MW-9		1357														
MW-6		1460														
MW-16		1450														
MW-17		1508														
MW-18A	✓	1547														

48 HR HOLD

Sample Code: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS GERACHTY + MUEK</u>	Date: <u>6/26/99</u> Time: <u>0948</u>	Seal Intact? Yes No N/A
Received by: <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date: <u>6/26/99</u> Time: <u>9:50</u>	Seal Intact? Yes No N/A
Relinquished by: _____	Organization: _____	Date: <u>1/1</u> Time: _____	Seal Intact? Yes No N/A
Received by: _____	Organization: _____	Date: <u>1/1</u> Time: _____	Seal Intact? Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: In Person Common Carrier Lab Courier Other