Electro-Coatings, Inc.

May 29, 2001

Ms. Susan Hugo
Alameda Co. Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Semi-Annual Groundwater Monitoring Report, February 2001

Dear Susan:

Enclosed is the latest Semi-Annual Groundwater Monitoring Report for the 1421 Park Avenue, Emeryville property. Please note my new address and phone number at our plant in Berkeley. If you have any questions, please call me.

Sincerely,

Lisa M. Swanson

Lisa M. Swanson, P. E.
Corporate Environmental and Safety Manager

Enclosure

LMS:lms

893 Carleton Street ∞ Berkeley, CA 94710 ∞ Phone: 510 849-4075 ∞ Fax: 510 849-1817
www.electro-coatings.com

Semi-Annual Groundwater Monitoring Report
February 2001

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

ARCADIS GERAGHTY & MILLER

1050 Marina Way South
Richmond, CA 94804
510 233-3200

SEMI-ANNUAL REPORT

22 May 2001

SEMI-ANNUAL GROUNDWATER MONITORING REPORT
February 2001

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

Prepared by

ARCADIS G&M, Inc.

22 May 2001

Steven J. Brussee
Project Manager/Project Engineer

Kent O'Brien, RG, CEG
Principal Scientist

Introduction

Groundwater Monitoring

This report presents the results of the February 2001 groundwater monitoring event conducted by ARCADIS G&M on behalf of Electro-Coatings, Inc. (ECI) at the former ECI facility at 1421 Park Avenue in Emeryville, California (Figure 1).

Groundwater monitoring wells associated with the 1421 Park Avenue site are sampled semi-annually, as proposed by ECI in their September 1, 2000 letter to the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). This schedule was approved in the RWQCB's September 7, 2000 response.

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 downgradient from the site.

Summaries of the analytical data for this event are presented in Tables 1 and 2.

Remediation-in-Progress, In-Situ Reactive Zone Technology

In 1997, ARCADIS G&M initiated In-situ Reactive Zone (IRZ) remediation technology at 1401 and 1421 Park Avenue. Based on the successful results of the remediation, the RWQCB granted conditional No-Further-Action status for the former ECI facility at 1401 Park Avenue in a letter dated September 7, 2000. In the letter, the RWQCB also requested additional evaluation and remediation of areas downgradient of the 1401 Park Avenue site. To date, remediation has been conducted at the 1401 and 1421 Park Avenue addresses. 1421 Park Avenue is the address immediately downgradient of the 1401 Park Avenue site.

Field Activities and Laboratory Analyses

The groundwater monitoring wells sampled during this event include MW-4, MW-5, MW-10, MW-13, MW-14, MW-16, MW-17, MW-18, MW-18A, and MW-20. Field personnel were unable to locate MW-6 during this event, however ARCADIS G&M will locate the well prior to the next sampling event, which is currently scheduled for August 2001.

The field event was performed by Blaine Tech Services on February 12 and 13, 2001. Prior to sampling, depth-to-water measurements were obtained from each well (Table 3). 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 4). Upon stabilization of these groundwater quality parameters, groundwater samples were collected from the effluent port of the low-flow sampling equipment. The samples were collected into USEPA-approved containers, placed on ice, and transported to Curtis & Tompkins, Ltd., Analytical Laboratories, a State-certified laboratory, under chain-of-custody documentation, for the analyses indicated in Tables 5 and 6.

Results & Discussion

Overview

The groundwater monitoring wells which are sampled semi-annually include wells located at the 1421 Park Avenue property and offsite wells. All onsite wells for the 1401 Park Avenue site were abandoned in October 2000 and documented in ARCADIS Geraghty & Miller's March 14, 2001 closure report.

- Sampled wells located on the 1421 Park Avenue property within the remediation area include MW-4, MW-5, MW-10, MW-13, MW-14, and MW-20.
- Offsite wells include MW-6 (the farthest downgradient monitoring well), MW-16, MW-17, MW-18, and MW-18A.

Groundwater Elevations

Groundwater elevations for the shallow-zone wells ranged from 8.12 feet above mean sea level (msl) (MW-16) to 10.10 feet msl (MW-13). Historic and current depth-to-water measurements and calculated groundwater elevations are presented in Table 3.

The groundwater elevations and groundwater contours in the upper water-bearing zone for the February 2001 sampling event are presented in Figure 2. Based on the depth-to-water data recorded on February 12, 2001, the direction of groundwater flow is toward the northwest, which is consistent with the previous sampling event (March 2000).

Chromium

Cumulative analytical results for hexavalent and total chromium are summarized in Table 5; the current results are presented in Figure 3.

Analytical results for Groundwater Monitoring Wells MW-16 and MW-17 differ significantly from the results

reported for the previous sampling event in March 2000. For the March 2000 sampling event, the analytical laboratory reported non-detect for hexavalent chromium in offsite, downgradient groundwater Monitoring Wells MW-16 and MW-17. Concentrations reported during the February 2001 sampling event (47,000 micrograms per liter [µg/L] and 93,000 µg/L, respectively) are consistent with historical data collected prior to March 2000. ARCADIS G&M believes the March 2000 sampling event data to be in error.

Halogenated Volatile Organic Compounds

The cumulative analytical results for HVOCs are summarized in Table 6; current results are presented in Figure 4.

Detections of HVOCs reported for the sampled wells are consistent with recent historical data.

Continuing Remediation Activities

The remediation activities implemented at the 1401 Park Avenue and 1421 Park Avenue to date were designed to address the presence of hexavalent chromium and HVOCs at the sites.

In compliance with the RWQCB's September 7, 2000 letter, ARCADIS G&M has installed a new groundwater monitoring well (MW-26) on the 1421 Park Avenue site and is preparing documentation of the event. ARCADIS G&M and ECI are also preparing an offsite remediation work plan. These documents will be submitted to the RWQCB under separate covers.

Tables

Figure s

Appendix

Table 1: Current Groundwater-Sample Analytical Results
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	16.0-20.0	13-Feb-01	14	ND(<10)
MW-5	11.0-15.0	13-Feb-01	81	20
MW-10	17.5-24.5	13-Feb-01	29	ND(<10)
MW-13	10.5-15.5	13-Feb-01	110	ND(<10)
MW-14	15.0-25.0	13-Feb-01	56	ND(<10)
MW-20 (deep well)	31.0-51.0	13-Feb-01	ND(<10)	ND(<10)
MW-6	13.0-17.0	12-Feb-01	NS	NS
MW-16	12.0-22.0	12-Feb-01	60,000	47,000
MW-17	10.0-20.0	12-Feb-01	110,000	93,000
MW-18	15.0-25.0	12-Feb-01	7,400	7,300
MW-18A (deep well)	35.0-50.0	12-Feb-01	ND(<10)	ND(<10)

(a) Analysis by USEPA Method 6010B
(b) Analysis by USEPA Method 7196
µg/L Micrograms per liter
ND( ) Not detected; laboratory method detection limit in parentheses

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Table 2: Current Groundwater-Sample Analytical Results-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	13-Feb-01	ND(<5.0)	ND(<5.0)	1,700	37	ND(<5.0)	820	ND(<5.0)	ND(<5.0)	ND(<5.0)	---	---	---	---
MW-5	13-Feb-01	ND(<0.5)	1.5	4.5	5	ND(<0.5)	4.6	ND(<0.5)	1.1	ND(<0.5)	---	---	---	---
MW-10	13-Feb-01	ND(<0.5)	3	0.9	ND(<0.5)	ND(<0.5)	ND(<1.0)	ND(<0.5)	2.4	ND(<0.5)	---	---	---	---
MW-13	12-Feb-01	ND(<0.5)	ND(<0.5)	1.1	5.1	ND(<0.5)	1.3	ND(<0.5)	5.7	0.9	Chloroethane 2.9	---	---	---
MW-14	13-Feb-01	ND(<0.5)	1.7	8.3	0.5	ND(<0.5)	2.2	ND(<0.5)	ND(<0.5)	ND(<0.5)		---	---	---
MW-20 (deep well)	13-Feb-01	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)		---	---	---
MW-6	13-Feb-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	---
MW-16	12-Feb-01	ND(<25)	5,500	2,300	72	430	640	28	56	ND(<25)	---	---	---	---
MW-17	12-Feb-01	5.6	260	39	4.6	15	ND (<2.0)	1.4	1.7	1.8	1,2-DCBz: 8.9; 1,4-DCBz: 1.3; CBz: 17	---	---	---
MW-18	12-Feb-01	8.2	150	35	13	2.4	5.6	4.1	1.6	1.2		---	---	---
MW-18A	12-Feb-01	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)		---	---	---

(a) Analyzed by USEPA Method 8010.
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 Clorobenzene
1,2-DCBz 1,2-Dichlorobenzene
1,4-DCBz 1,4-Dichlorobenzene
ND( ) Not detected; laboratory method detection limit in parentheses
µg/L Micrograms per liter
--- Not analyzed
NS Not sampled

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Table 3: 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)	Groundwater Elevation (feet)
MW-4	19-Apr-95	16.0-20.0	6.52	14.29	7.77
	19-Sep-95		6.50		7.79
	14-Dec-95		5.36		8.93
	6-Mar-96		5.90		8.39
	11-Jun-96		6.39		7.90
	12-Sep-96		6.40		7.89
	9-Dec-96		5.78		8.51
	7-Apr-97		6.49		7.80
	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
	19-Oct-99		6.45		7.84
	17-Mar-00		5.88		8.41
	12-Feb-01		**5.49**		**8.80**
MW-5	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
	19-Oct-99		8.19		7.68
	16-Mar-00		6.32		9.55
	12-Feb-01		**6.53**		**9.34**

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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)	Groundwater Elevation (feet)
MW-10	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
	19-Oct-99		7.11		7.99
	17-Mar-00		6.28		8.82
	12-Feb-01		**5.67**		**9.43**
MW-13	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
	19-Oct-99		6.99		8.38
	16-Mar-00		5.65		9.72
	12-Feb-01		**5.27**		**10.10**

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Table 3: 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)	Groundwater Elevation (feet)
MW-14	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
	19-Oct-99		7.11		8.38
	16-Mar-00		5.44		10.05
	12-Feb-01		**5.68**		**9.81**
MW-20	19-Apr-95	31.0-51.0	2.78	14.93	12.15
(deep well)	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
	19-Oct-99		2.95		11.98
	12-Feb-01		**2.03**		**12.90**

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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)	Groundwater Elevation (feet)
MW-6	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
	19-Oct-99		2.72		6.52
	17-Mar-00		2.67		6.57
	12-Feb-01		**NM**		**NM**

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Table 3: 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)	Groundwater Elevation (feet)
MW-16	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
	19-Oct-99		4.60		7.48
	17-Mar-00		3.80		8.28
	12-Feb-01		**3.96**		**8.12**

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Table 3: 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)	Groundwater Elevation (feet)
MW-17	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
	19-Oct-99		4.86		7.90
	16-Mar-00		3.57		9.19
	12-Feb-01		**3.43**		**9.33**
MW-18	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
	19-Oct-99		5.02		8.55
	12-Feb-01		**3.52**		**10.05**

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Table 3: 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)	Groundwater Elevation (feet)
MW-18A	19-Apr-95	35.0-50.0	4.67	13.36	8.69
(deep well)	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
	19-Oct-99		5.42		7.94
	12-Feb-01		**4.81**		**8.55**
MW-19	19-Apr-95	10.0-25.0	NL		NL
MW-21	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 G&M.

NM = Not measured

bgs = below ground surface

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Table 4: Summary of Field-Sampling Data
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well (location)	Date Sampled	Purge Volume Calc. (a) (gallons)	Purge Volume Actual (gallons)	Field Measurements pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-4	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
	19-Oct-99	NA	1	6.3	1,410	19.5	67.1	10.46	-107
	17-Mar-00	NA	2	6.2	1,118	18.6	65.5	0.28	215
	12-Feb-01	**NA**	**2**	**6.4**	**1,207**	**17.9**	**64.3**	**0.15**	**-7**
MW-5	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
	19-Oct-99	NA	1	6.4	3,840	19.7	67.5	10.22	131
	16-Mar-00	NA	2	6.3	3,594	16.6	61.8	0.07	-105
	12-Feb-01	**NA**	**2**	**6.3**	**2,588**	**15.6**	**60.1**	**0.16**	**-71**

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Field-Sampling Data

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

Monitoring Well (location)	Date Sampled	Purge Volume		Field Measurements					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-10	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
	19-Oct-99	NA	6	6.4	1,620	19.3	66.7	10.71	38
	17-Mar-00	NA	2	6.5	546	17.8	64.1	0.32	165
	12-Feb-01	**NA**	**2**	**6.7**	**583**	**17.6**	**63.6**	**2.00**	**55**
MW-13	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
	19-Oct-99	NA	7	8.0	3,490	21.0	69.8	10.18	118
	16-Mar-00	NA	2	6.8	1,433	17.4	63.3	0.23	-71
	12-Feb-01	**NA**	**2**	**6.5**	**1,601**	**17.2**	**62.9**	**0.17**	**-45**

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Field-Sampling Data

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

Monitoring Well (location)	Date Sampled	Purge Volume Calc. (a) (gallons)	Purge Volume Actual (gallons)	Field Measurements pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-14	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
	19-Oct-99	NA	7	6.8	5,550	21.9	71.4	10.25	148
	16-Mar-00	NA	2	6.3	562	19.0	66.2	0.20	-75
	12-Feb-01	**NA**	**2**	**6.6**	**790**	**18.0**	**64.4**	**0.14**	**-27**
MW-20 (deep well)	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
	19-Oct-99	NA	15	7.6	517	19.6	67.3	10.12	224
	12-Feb-01	**NA**	**2**	**7.3**	**303**	**17.1**	**62.8**	**5.50**	**63**

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Table 4: Summary of Field-Sampling Data
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well (location)	Date Sampled	Purge Volume Calc. (a) (gallons)	Purge Volume Actual (gallons)	Field Measurements pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-6	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
	19-Oct-99	NA	1	6.4	1,020	21.3	70.3	10.41	220
	17-Mar-00	NA	1.5	6.9	1,029	18.6	65.5	0.31	234
	12-Feb-01	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
MW-16	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
	19-Oct-99	NA	6	5.8	1,500	20.4	68.7	9.14	228
	17-Mar-00	NA	2	6.3	1,549	18.2	64.8	0.12	301
	12-Feb-01	**NA**	**1**	**6.4**	**1,488**	**15.9**	**60.6**	**0.38**	**236**

ARCADIS GERAGHTY & MILLER

Table 4: Summary of Field-Sampling Data
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well (location)	Date Sampled	Purge Volume		Field Measurements					
		Calc. (a) (gallons)	Actual (gallons)	pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-17	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
	19-Oct-99	NA	5	5.8	1,310	19.6	67.3	8.64	218
	16-Mar-00	NA	4	6.4	1,286	17.0	62.5	0.46	166
	12-Feb-01	**NA**	**1**	**6.5**	**1,304**	**15.4**	**59.8**	**0.55**	**236**
MW-18	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
	19-Oct-99	NA	7	2.8	1,480	21.1	70.0	8.33	359
	12-Feb-01	**NA**	**1**	**3.7**	**1,231**	**16.9**	**62.5**	**1.00**	**420**

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Table 4: Summary of Field-Sampling Data
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

Monitoring Well (location)	Date Sampled	Purge Volume Calc. (a) (gallons)	Purge Volume Actual (gallons)	Field Measurements pH	SC (µS)	Temp (°C)	Temp (°F)	DO (mg/L)	Redox (mV)
MW-18A (deep well)	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
	19-Oct-99	NA	15	7.1	541	19.7	67.5	8.81	218
	12-Feb-01	**NA**	**1**	**7.6**	**565**	**17.4**	**63.3**	**6.40**	**219**

(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.

(µS) micro Siemens
(mV) millivolts
(mg/L) micrograms per liter
NA not applicable
NM not measured
NP not purged
SC specific conductance

Beginning February 12, 2001, field measurments taken by Blaine Tech Services.

ARCADIS GERAGHTY & MILLER

Table 5: Cumulative Groundwater-Sample Analytical Results 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	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)
		21-Oct-99	28	ND(<5.0)
		17-Mar-00	15	ND(<50)
		13-Feb-01	**14**	**ND(<10)**

ARCADIS GERAGHTY&MILLER

Table 5: Cumulative Groundwater-Sample Analytical Results
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-5	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)
		20-Oct-99	690	ND(<50)
		16-Mar-00	86	ND(<50)
		13-Feb-01	**81**	**20**

ARCADIS GERAGHTY&MILLER

Table 5: Cumulative Groundwater-Sample Analytical Results 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-10 (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)
		20-Oct-99	200	ND(<50)
		17-Mar-00	88	ND(<50)
		13-Feb-01	**29**	**ND(<10)**

ARCADIS GERAGHTY & MILLER

Table 5: Cumulative Groundwater-Sample Analytical Results 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-13	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)
		20-Oct-99	1,900	ND(<50)
		16-Mar-00	178	ND(<50)
		13-Feb-01	**110**	**ND(<10)**
MW-14	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)
		20-Oct-99	1,300	ND(<250)
		16-Mar-00	29	ND(<50)
		13-Feb-01	**56**	**ND(<10)**

ARCADIS GERAGHTY & MILLER

Table 5: Cumulative Groundwater-Sample Analytical Results
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-20 (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)
		21-Oct-99	ND(<10)	ND(<5.0)
		13-Feb-01	**ND(<10)**	**ND(<10)**

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Table 5: Cumulative Groundwater-Sample Analytical Results
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-6	13.0-17.0	15-Sep-81	630	NA
		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
		21-Oct-99	8,600	11,000
		17-Mar-00	8,800	418
		12-Feb-01	**NS**	**NS**

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Table 5: Cumulative Groundwater-Sample Analytical Results 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-16 (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
		21-Oct-99	86,000	98,000
		17-Mar-00	86,000	ND (<50)
		12-Feb-01	**60,000**	**47,000**
MW-17	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
		21-Oct-99	90,000	97,000
		16-Mar-00	24,800	ND (<50)
		12-Feb-01	**110,000**	**93,000**

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Table 5: Cumulative Groundwater-Sample Analytical Results
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-18	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
		21-Oct-99	7,900	9,400
		12-Feb-01	**7,400**	**7,300**
MW-18A (deep well)	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)
		21-Oct-99	ND(<10)	ND(<5.0)
		12-Feb-01	**ND(<10)**	**ND(<10)**
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	NL	
MW-7	10.0-13.0	19-Apr-95	NL	
MW-19	10.0-25.0	22-Jun-83	ND (<20)	ND (<20)
		26-Feb-85	20	20
		19-Apr-95	NL	

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Table 5: Cumulative Groundwater-Sample Analytical Results 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-21	10.0-25.0	21-Jun-83	20	ND (<20)
		26-Feb-85	40	ND (<20)
		19-Apr-95	NL	
DP-1	NA	20-Oct-95	10,000	6.1
		14-Mar-96	Pilot test injection event into DP-1.	

Notes appear on the following page.

(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 available
NL Not located by ARCADIS G&M
NS Not sampled

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).
Beginning February 12, 2001, laboratory analyses performed by Curtis & Tompkins Ltd., (Berkeley, California).

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Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(SI 16.0-20.0)	28-Jul-94	---	6,500	---	---	---	---	---	---	---	---	---	---	---
	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)	---	---	---	---
	21-Oct-99	ND(<0.50)	ND(<0.50)	4.3	3.9	ND(<0.50)	21	ND(<0.50)	ND(<0.50)	0.82	CA: 3.7; 1,2-DCBz:1.4; methylene chloride 7.7 (e)	---	---	---
	17-Mar-00	ND(<2.50)	41.1	82.6	6.3	ND(<2.50)	54	ND(<2.50)	ND(<2.50)	ND(<2.50)	1,2-DCBz:2.93	---	---	---
	13-Feb-01	**ND(<5.0)**	**ND(<5.0)**	**1,700**	**37**	**ND(<5.0)**	**820**	**ND(<5.0)**	**ND(<5.0)**	**ND(<5.0)**		**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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	---	---	---	---	---
(SI 11.0-15.0)	21-Apr-95	10	210	31	13	ND(<5)	ND(<10)	ND(<5)	13	ND(<5)	---	---	---	---
	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)	---	---	---	---
(e)	20-Oct-99	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<50)	ND(<25)	ND(<25)	ND(<25)	methylene chloride 8.8 (c)	---	---	---
	16-Mar-00	ND(<0.500)	ND(<0.500)	4.16	3.67	ND(<0.500)	1.58	ND(<0.500)	0.608	ND(<0.500)	---	---	---	---
	13-Feb-01	**ND(<0.5)**	**1.5**	**4.5**	**5**	**ND(<0.5)**	**4.6**	**ND(<0.5)**	**1.1**	**ND(<0.5)**	**---**	**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(SI 17.5-24.5)	12-Jun-85	ND(<50)	12,000	---	600	ND(<50)	---	ND(<50)	ND(<50)	---	---	---	---	---
	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 1995												
	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	---	---	---
(e)	20-Oct-99	ND(<2.5)	3.8	15	4.3	ND(<2.5)	ND(<5.0)	ND(<2.5)	11	ND(<2.5)	methylene chloride 7.4 (c)	---	---	---
	17-Mar-00	ND(<0.500)	4.36	2.16	ND(<0.500)	0.505	ND(<1.00)	ND(<0.500)	2.60	ND(<0.500)	---	---	---	---
	13-Feb-01	**ND(<0.5)**	**3**	**0.9**	**ND(<0.5)**	**ND(<0.5)**	**ND(<1.0)**	**ND(<0.5)**	**2.4**	**ND(<0.5)**	---	---	---	---

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Table 6: Cumulative Groundwater-Sample Analytical Results-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	---	---	---	---	---
(SI 10.5-15.5)	28-Jul-94	---	770	---	---	---	---	---	---	---	---	---	---	---
	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)	---	---	---	---
(e)	20-Oct-99	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<50)	ND(<25)	ND(<25)	ND(<25)	methylene chloride 6.3 (c)	---	---	---
	16-Mar-00	ND(<0.500)	ND(<0.500)	0.663	1.63	ND(<0.500)	ND(<1.00)	ND(<0.500)	5.88	ND(<0.500)	---	---	---	---
	12-Feb-01	**ND(<0.5)**	**ND(<0.5)**	**1.1**	**5.1**	**ND(<0.5)**	**1.3**	**ND(<0.5)**	**5.7**	**0.9**	**Chloroethane 2.9**	**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(SI 15.0-25.0)	11-Nov-91	13	4,300	---	150	13	30	17	19	---	---	---	---	---
	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)	---	---	---	---
(e)	20-Oct-99	ND(<25)	230	600	ND(<25)	ND(<25)	ND(<50)	ND(<25)	ND(<25)	ND(<25)	methylene chloride 15 (c)	---	---	---
	16-Mar-00	ND(<5.00)	267	203	7.66	ND(<5.00)	55.3	ND(<5.00)	ND(<5.00)	ND(<5.00)	chloroform 7.53	---	---	---
	13-Feb-01	**ND(<0.5)**	**1.7**	**8.3**	**0.5**	**ND(<0.5)**	**2.2**	**ND(<0.5)**	**ND(<0.5)**	**ND(<0.5)**		**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(deep well)	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)	---	---	---	---
(SI 31.0-51.0)	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)	---	---	---	---
	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)	---	---	---	---
	21-Oct-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)	methylene chloride 8.3 (c)	---	---	---
	13-Feb-01	**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)**		**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(SI 13.0-17.0)	5-Nov-91	5.9	420	---	78	29	19	6.4	ND(<0.5)	---	---	---	---	---
	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)	---	---	---	---
	21-Oct-99	5.5	110	15	ND(<2.5)	ND(<2.5)	ND(<5.0)	ND(<2.5)	ND(<2.5)	ND(<2.5)	methylene chloride 46 (c)	---	---	---
	17-Mar-00	11.1	90.3	27.3	2.70	6.00	ND(<5.00)	ND(<2.50)	ND(<2.50)	ND(<2.50)	---	---	---	---
	13-Feb-01	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**---**	**---**	**---**	**---**

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Table 6: Cumulative Groundwater-Sample Analytical Results-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-16	21-Mar-85	42	360	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(SI 12.0-22.0)	19-Nov-91	ND(<5)	19,000	---	2299	1,200	420	1,300	ND(<5)	---	---	---	---	---
	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)	---	---	---	---
	21-Oct-99	ND(<130)	11,000	1,800	ND(<130)	1,200	900	ND(<130)	ND(<130)	ND(<130)	methylene chloride 8.0 (c)	---	---	---
	17-Mar-00	ND(<100)	7,630	2,230	ND(<100)	690	487	ND(<100)	ND(<100)	ND(<100)	---	---	---	---
	12-Feb-01	**ND(<25)**	**5,500**	**2,300**	**72**	**430**	**640**	**28**	**56**	**ND(<25)**	**---**	**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(SI 10.0-20.0)	19-Nov-91	8.9	460	---	54	54	420	30	7.8	---	---	---	---	---
	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	---	---	---
	21-Oct-99	4.2	220	16	12	ND(<2.5)	10	ND(<2.5)	ND(<2.5)	ND(<2.5)	1,2-DCBz: 5.0; methylene chloride 5.7 (e)	---	---	---
	16-Mar-00	ND (<10.0)	226	23.6	ND (<10.0)	15	ND (<20.0)	ND(<10.0)	ND(<10.0)	ND(<10.0)	1,2-DCBz: 10.9; CBz: 11.2	---	---	---
	12-Feb-01	**5.6**	**260**	**39**	**4.6**	**15**	**ND (<2.0)**	**1.4**	**1.7**	**1.8**	**1,2-DCBz: 8.9; 1,4-DCBz: 1.3; CBz: 17**	**---**	**---**	**---**

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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)	---	---	---	---	---
(SI 15.0-25.0)	12-Jun-85	ND(<50)	340	---	ND(<50)	ND(<50)	---	66	ND(<50)	---	---	---	---	---
	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)	---	---	---	---
	21-Oct-99	ND(<2.5)	120	13	14	ND(<2.5)	ND(<5.0)	ND(<2.5)	ND(<2.5)	ND(<2.5)	methylene chloride 7.1 (c)	---	---	---
	12-Feb-01	**8.2**	**150**	**35**	**13**	**2.4**	**5.6**	**4.1**	**1.6**	**1.2**		**---**	**---**	**---**
MW-18A	13-Jun-85	ND(<0.5)	10	---	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
(SI 35.0-50.0)	19-Nov-91	ND(<0.5)	ND(<0.5)	---	ND(<0.5)	ND(<0.5)	ND(<1)	ND(<0.5)	ND(<0.5)	---	---	---	---	---
	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	---	---	---	---
	21-Oct-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)	methylene chloride 10 (c)	---	---	---
	12-Feb-01	**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)**		**---**	**---**	**---**

Our Ref:
EC\Emeryville\Tables\HVOCs.xls

ARCADIS GERAGHTY & MILLER

Table 6: Cumulative Groundwater-Sample Analytical Results-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	NL												
MW-7 (SI 10.0-13.0)	19-Apr-95	NL												
MW-99	18-Sep-00	ND(<0.5)	1.3	41	10	52	34	ND(<0.5)	28	2.5	chloroethane 1.7	---	---	---
MW-100	18-Sep-00	4.1	11	5.2	2.6	0.95	2.7	ND(<0.5)	2.7	1.1	chloroethane 0.72	---	---	---
MW-101	18-Sep-00	ND(<2.5)	7.9	110	14	ND(<2.5)	48	ND(<2.5)	5.5	ND(<2.5)		---	---	---
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)		---	---	---
	16-Mar-00	ND(<0.500)	ND(<0.500)	ND(<0.500)	ND(<0.500)	ND(<0.500)	ND(<1.00)	ND(<0.500)	ND(<0.500)	ND(<0.500)		---	---	---
	17-Mar-00	ND(<0.500)	ND(<0.500)	ND(<0.500)	ND(<0.500)	ND(<0.500)	ND(<1.00)	ND(<0.500)	ND(<0.500)	ND(<0.500)		---	---	---

Notes appear on the following page.

ARCADIS GERAGHTY & MILLER

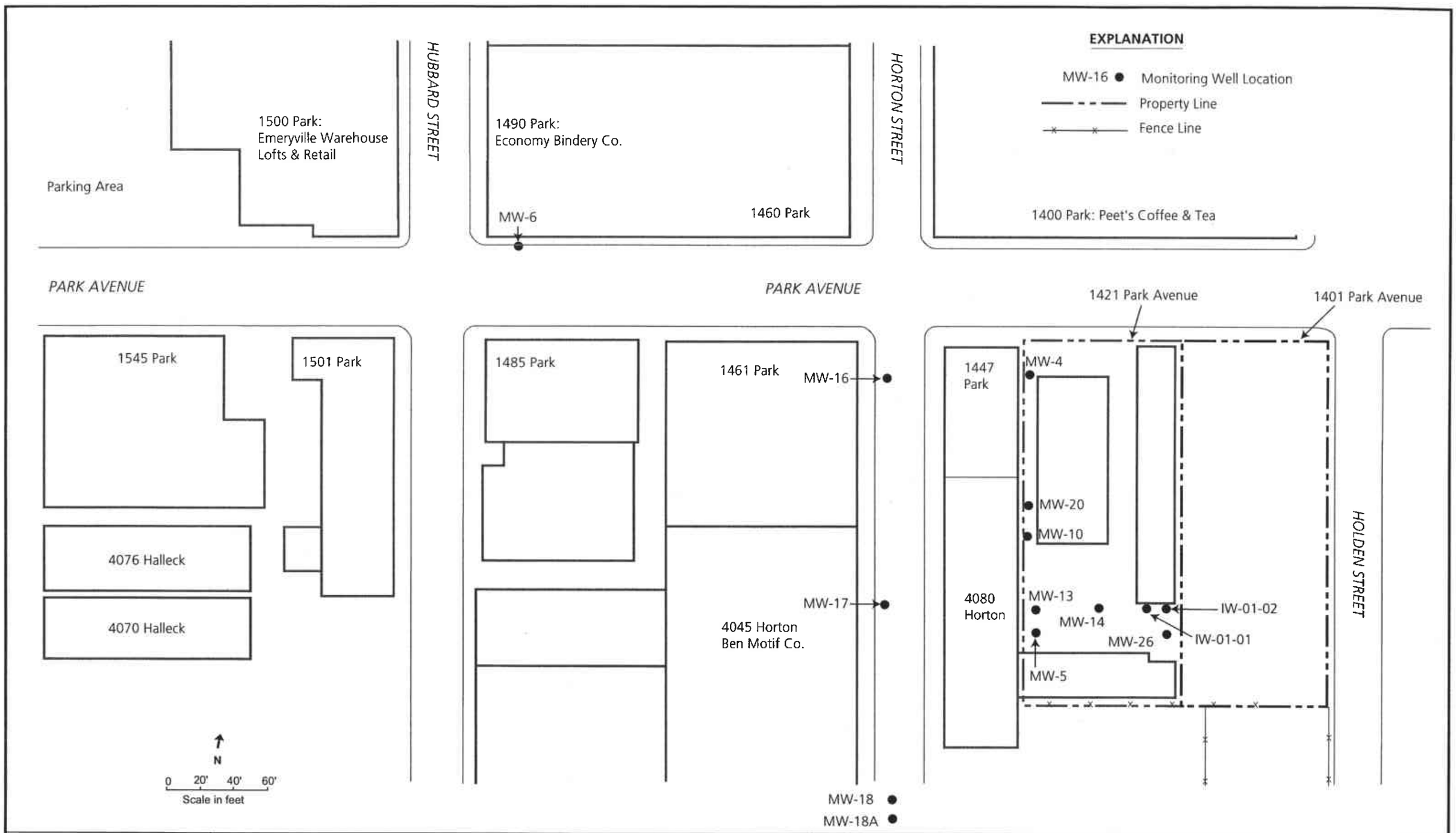
Table 6: Cumulative Groundwater-Sample Analytical Results-Halogenated Volatile Organic Compounds
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

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.
(c) Laboratory reports methylene chloride is a suspected laboratory contaminant.
(d) Laboratory reports reporting limit for the sample has been raised due to the foamy nature.
(e) Laboratory reports reporting limit has been raised due to the foamy nature of the sample.

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	Clorobenzene
1,2-DCBz	1,2-Dichlorobenzene
1,4-DCBz	1,4-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
NL	Not located
SI	Screened interval
NA	Not sampled

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).
Beginning February 12, 2001, laboratory analyses performed by Curtis & Tompkins Ltd., (Berkeley, California).
Methane, ethane, and ethylene analyses performed by Microseeps (Pittsburgh, Pennsylvania).



ARCADIS G&M

SITE PLAN

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

RC000544.0001

FIGURE

1

PEET'S COFFEE & TEA

MW-6 (NM)

NOTE: MW-6 is located 315' west-southwest on Park Avenue

1421 ASSOCIATES PROPERTY
1421 PARK AVENUE

PARK AVENUE

ELECTRO-COATINGS PROPERTY
1401 PARK AVENUE

MW-1

MW-4

MW-16 (8.12')

LIVE / WORK SPACE

ECI CORPORATE OFFICES

NEW 3-STORY BUILDING (7/98)

ARTIST STUDIO

WAREHOUSE

MW-20

MW-24

MW-10

HORTON STREET

APOLLO CREMATORIUM

BUILDING BOUNDARY & CONTAINMENT BERM (prior to 7/98)

FORMER TCE DEGREASING AREA

MW-22

BURIED RAILROAD TRACKS

HOLDEN STREET

8.5

9.0

MW-13

MW-14

MW-17 (9.33')

MW-5

MW-26

MW-23

MW-9

Approximate Groundwater Flow Direction

MW-12

MW-11

SIGN MANUFACTURING FACILITY

MW-3A MW-3C

MW-8

MW-3B

9.5

STORAGE CANOPY

DRIVEWAY

IRZ Remediation Previously Implemented in Shaded Area

MW-15

MW-25

PARKING LOT

GATE

DRIVEWAY

10.0

MW-18 (10.05')

*MW-18A (8.55')

PLYWOOD & LUMBER SALES, INC.

40TH STREET

EXPLANATION

- MW-13 — Monitoring Well
- Property Boundaries
- Buried Railroad Tracks
- Fence Line
- NM — Not Measured
- (8.85') — Groundwater Elevation (feet above mean sea level)
- * MW-20, & MW-18A are wells completed in a deeper water-bearing un it. Groundwater elevations for these wells were not used in evaluating groundwater contours.
- MW-12 — Former Monitoring Well Location (Abandoned October 2000)
- 10.0 — Groundwater Elevation Contour (feet)

Historic Direction of Groundwater Flow

N

0 20' 40'

1 inch = 40 feet

ARCADIS G&M

SITE PLAN WITH GROUNDWATER ELEVATION CONTOURS (FEBRUARY 2001)

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

RC000549.0001

FIGURE

2

PEET'S COFFEE & TEA

1421 ASSOCIATES PROPERTY
1421 PARK AVENUE

PARK AVENUE

ELECTRO-COATINGS PROPERTY
1401 PARK AVENUE

MW-6
NS
NOTE: MW-6 is located 315' west-southwest on Park Avenue

47,000
MW-16

93,000
MW-17

7,300
MW-18
MW-18A
ND(<10)

MW-4
ND(<10)
MW-20
ND(<10)
MW-10
MW-13
MW-14
ND(<10)
MW-5
20
MW-26
MW-1
MW-24
MW-22
MW-23
MW-9
MW-12
MW-11
MW-3A
MW-3C
MW-3B
MW-15
MW-25
MW-8

LIVE / WORK SPACE
NEW 3-STORY BUILDING (7/98)
ARTIST STUDIO
ECI CORPORATE OFFICES
WAREHOUSE
BUILDING BOUNDARY & CONTAINMENT BERM (prior to 7/98)
FORMER TCE DEGREASING AREA
SIGN MANUFACTURING FACILITY
STORAGE CANOPY
DRIVEWAY
PARKING LOT
DRIVEWAY
GATE
PLYWOOD & LUMBER SALES, INC.

APOLLO CREMATORIUM

HORTON STREET
HOLDEN STREET
BURIED RAILROAD TRACKS

40 TH STREET

IRZ Remediation Previously Implemented in Shaded Area

EXPLANATION

- MW-13 — Monitoring Well
- Property Boundaries
- Buried Railroad Tracks
- Fence Line
- NS — Not Sampled
- ND — Not Detected (laboratory detection limit in parenthesis)
- MW-12 — Former Monitoring Well Location (Abandoned October 2000)
- 20 — Concentration of Hexavalent Chromium Reported in Micrograms per Liter (µg/L)

Historic Direction of Groundwater Flow

N
0 20' 40'
1 inch = 40 feet

ARCADIS G&M

SITE PLAN WITH HEXAVALENT CHROMIUM CONCENTRATIONS (FEBRUARY 2001)
Former Electro-Coatings, Inc. Facility, 1401 Park Avenue
1421 Associates Property, 1421 Park Avenue
Emeryville, California

RC000549.0001
FIGURE
3

PEET'S COFFEE & TEA

1421 ASSOCIATES PROPERTY
1421 PARK AVENUE

PARK AVENUE

ELECTRO-COATINGS PROPERTY
1401 PARK AVENUE

MW-6
NS
NOTE: MW-6 is located 315' west-southwest on Park Avenue

5,500
2,300
640
MW-16

ND(<5.0)
1,700
820
MW-4

MW-1

LIVE / WORK SPACE

ECI CORPORATE OFFICES

ND(<0.5)
ND(<0.5)
ND(<1.0)
MW-20

NEW 3-STORY BUILDING (7/98)

ARTIST STUDIO

WAREHOUSE

MW-24

3.0
0.9
ND(<1.0)
MW-10

HORTON STREET

APOLLO CREMATORIUM

BUILDING BOUNDARY & CONTAINMENT BERM (prior to 7/98)

FORMER TCE DEGREASING AREA

MW-22

HOLDEN STREET

ND(<0.5)
1.1
1.3
MW-13

MW-14

1.7
8.3
2.2
MW-26

260
39
ND(<2.0)
MW-17

MW-5

MW-23

BURIED RAILROAD TRACKS

1.5
4.5
4.6

MW-9

MW-12

MW-11

MW-8

SIGN MANUFACTURING FACILITY

MW-3A MW-3C

MW-38

STORAGE CANOPY

DRIVEWAY

IRZ Remediation Previously Implemented in Shaded Area

MW-15

MW-25

PARKING LOT

GATE

150
35
5.6
MW-18

PLYWOOD & LUMBER SALES, INC.

DRIVEWAY

MW-18A
ND(<0.5)
ND(<0.5)
ND(<1.0)

40 TH STREET

EXPLANATION

- MW-13 — Monitoring Well
- Property Boundaries
- Buried Railroad Tracks
- Fence Line
- NS — Not Sampled
- ND — 9Not Detected (laboratory detection limit in parenthesis)

150 — Trichloroethylene (micrograms per liter)
35 — cis-1,2-dichloroethylene (micrograms per liter)
5.6 — vinyl chloride (micrograms per liter)

MW-12 — Former Monitoring Well Location (Abandoned October 2000)

Historic Direction of Groundwater Flow

N

0 20' 40'

1 inch = 40 feet

ARCADIS G&M

SITE PLAN WITH HVOC CONCENTRATIONS (FEBRUARY 2001)

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

RC000549.0001

FIGURE

4

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Arcadis Geraghty & Miller
1050 Marina Way South
Richmond, CA 94804

Date: 27-FEB-01
Lab Job Number: 150277
Project ID: N/A
Location: Electro Coatings, Inc.

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: Paul Prendergast
Project Manager

Reviewed by:
Operations Manager

BLAINE TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY 010212-A1

CLIENT Arcadis Garraghty Miller

SITE Electro Coatings, Inc
1401 Parkside Ave
Emeryville, CA

CONDUCT ANALYSIS TO DETECT

LAB C&T DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice & Report to
Arcadis Garraghty Miller

SAMPLE I.D.			MATRIX S=SOIL W=H2O	CONTAINERS TOTAL	HCl VOA HNO3 Poly NP Poly	C = COMPOSITE ALL CONTAINERS	VOCs (8010 MS)	Hex Chrome	Total Chrome	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-16	2/12/01	1115	W	5			X	X	X				
MW-17		1140	W	5			X	X	X				
MW-18		1237	W	5			X	X	X				
MW-18A		1210	W	5			X	X	X				
							/						

Received ☑ Cold ☐ Ambient ☐ Ice ☐ Intact

Preservation Correct? ☑ Yes ☐ No ☐ N/A

SAMPLING COMPLETED	DATE	TIME
	2/12/01	

SAMPLING PERFORMED BY Oscar Angulo

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
O. Angulo	02/12/01	4:35		02/12/01	4:35
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-16	Batch#:	61511
Lab ID:	150277-001	Sampled:	02/12/01
Matrix:	Water	Received:	02/12/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	50.00		

Analyte	Result	RL
Chloromethane	ND	50
Vinyl Chloride	640	50
Bromomethane	ND	50
Chloroethane	ND	50
Trichlorofluoromethane	ND	25
Freon 113	ND	50
1,1-Dichloroethene	430	25
Methylene Chloride	ND	1,000
trans-1,2-Dichloroethene	72	25
1,1-Dichloroethane	56	25
cis-1,2-Dichloroethene	2,300	25
Chloroform	ND	50
1,1,1-Trichloroethane	28	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Trichloroethene	5,500	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
cis-1,3-Dichloropropene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
Chlorobenzene	ND	25
Bromoform	ND	25
1,1,2,2-Tetrachloroethane	ND	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
1,2-Dichlorobenzene	ND	25

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-17	Batch#:	61511
Lab ID:	150277-002	Sampled:	02/12/01
Matrix:	Water	Received:	02/12/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	2.000		

Analyte	Result	RL
Chloromethane	ND	2.0
Vinyl Chloride	ND	2.0
Bromomethane	ND	2.0
Chloroethane	ND	2.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	15	1.0
Methylene Chloride	ND	40
trans-1,2-Dichloroethene	4.6	1.0
1,1-Dichloroethane	1.7	1.0
cis-1,2-Dichloroethene	39	1.0
Chloroform	ND	2.0
1,1,1-Trichloroethane	1.4	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	1.8	1.0
Trichloroethene	260	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	5.6	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	17	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	1.3	1.0
1,2-Dichlorobenzene	8.9	1.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-18	Batch#:	61511
Lab ID:	150277-003	Sampled:	02/12/01
Matrix:	Water	Received:	02/12/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	5.6	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	2.4	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	13	0.5
1,1-Dichloroethane	1.6	0.5
cis-1,2-Dichloroethene	35	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	4.1	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	1.2	0.5
Trichloroethene	150	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	8.2	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	90	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-18A	Batch#:	61473
Lab ID:	150277-004	Sampled:	02/12/01
Matrix:	Water	Received:	02/12/01
Units:	ug/L	Analyzed:	02/13/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	85	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC137410	Batch#:	61473
Matrix:	Water	Analyzed:	02/13/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC137542	Batch#:	61511
Matrix:	Water	Analyzed:	02/14/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC137409	Batch#:	61473
Matrix:	Water	Analyzed:	02/13/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	58.66	117	74-132
Trichloroethene	50.00	52.22	104	80-119
Chlorobenzene	50.00	54.35	109	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	84	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	98	80-115

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	61511
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Type: BS Lab ID: QC137540

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	54.86	110	74-132
Trichloroethene	50.00	52.75	106	80-119
Chlorobenzene	50.00	54.59	109	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	97	80-115

Type: BSD Lab ID: QC137541

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	51.33	103	74-132	7	20
Trichloroethene	50.00	52.72	105	80-119	0	20
Chlorobenzene	50.00	53.49	107	80-117	2	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	98	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	61473
MSS Lab ID:	150187-001	Sampled:	02/06/01
Matrix:	Water	Received:	02/07/01
Units:	ug/L	Analyzed:	02/13/01
Diln Fac:	1.000		

Type: MS Lab ID: QC137430

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2900	50.00	55.04	110	70-132
Trichloroethene	<0.07300	50.00	53.45	107	62-137
Chlorobenzene	<0.08100	50.00	53.77	108	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	85	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	98	80-115

Type: MSD Lab ID: QC137431

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	54.02	108	70-132	2	20
Trichloroethene	50.00	51.14	102	62-137	4	20
Chlorobenzene	50.00	52.78	106	80-117	2	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	82	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	100	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Chromium

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 3010
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Chromium	Sampled:	02/12/01
Matrix:	Water	Received:	02/12/01
Units:	ug/L	Prepared:	02/13/01
Batch#:	61504	Analyzed:	02/14/01

Field ID	Type	Lab ID	Result	RL	Dil Fac
MW-16	SAMPLE	150277-001	60,000	20	2.000
MW-17	SAMPLE	150277-002	110,000	100	10.00
MW-18	SAMPLE	150277-003	7,400	10	1.000
MW-18A	SAMPLE	150277-004	ND	10	1.000
	BLANK	QC137514	ND	10	1.000

ND= Not Detected
RL= Reporting Limit

Chromium

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 3010
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Chromium	Batch#:	61504
Field ID:	ZZZZZZZZZZ	Sampled:	02/09/01
MSS Lab ID:	150258-002	Received:	02/09/01
Matrix:	Water	Prepared:	02/13/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC137515		200.0	188.0	94	80-113		
BSD	QC137516		200.0	186.0	93	80-113	1	21
MS	QC137517	21.20	200.0	210.0	94	70-124		
MSD	QC137518		200.0	214.0	96	70-124	2	20

RPD= Relative Percent Difference

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Hexavalent Chromium

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7196
Analyte:	Hexavalent Chromium	Sampled:	02/12/01
Matrix:	Water	Received:	02/12/01
Units:	mg/L	Analyzed:	02/13/01
Batch#:	61519		

Field ID	Type	Lab ID	Result	RL	Dil'n Fac
MW-16	SAMPLE	150277-001	47	0.50	50.00
MW-17	SAMPLE	150277-002	93	0.50	50.00
MW-18	SAMPLE	150277-003	7.3	0.01	1.000
MW-18A	SAMPLE	150277-004	ND	0.01	1.000
	BLANK	QC137566	ND	0.01	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Hexavalent Chromium

Lab #:	150277	Location:	Electro Coatings, Inc.
Client:	Arcadis Geraghty & Miller	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7196
Analyte:	Hexavalent Chromium	Units:	mg/L
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC137565	Batch#:	61519
Matrix:	Water	Analyzed:	02/13/01

Spiked	Result	%REC	Limits
0.8000	0.8130	102	80-116

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Arcadis Geraghty & Miller
1050 Marina Way South
Richmond, CA 94804

Date: 28-FEB-01
Lab Job Number: 150298
Project ID: N/A
Location: Electro Coatings inc.

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: Paul Prendergast
Project Manager

Reviewed by:
Operations Manager

BLAINE TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY: C10212-A1

CLIENT: Arcadis Garaghty & Miller

SITE: Electro Coatings, INC
1401 Park Ave
Emeryville, Ca

LAB: CET

DHS #:

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice + Report to
Arcadis Garaghty & Miller

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	N Poly HNO3 Poly Voa, Hcl	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: VOC's - 8010MS	Hex Chrome	Total chrome	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-13	2/13/01	900	W	5			X	X	X				
MW-5		940					X	X	X				
MW-14		1015					X	X	X				
MW-1		1117					X	X	X				
MW-10		1200					X	X	X				
MW-20		1227					X	X	X				

Received ☒ On Ice ☒ Cold ☐ Ambient ☒ Intact

Preservation Correct? ☑ Yes ☐ No ☐ N/A

SAMPLING COMPLETED	DATE	TIME
	2/13/01	1240

SAMPLING PERFORMED BY: Oscar Angulo

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
O. Angulo	2/13/01	1532		2/13/01	1332

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

Curtis & Tompkins, Ltd.

Laboratory Number:	**150298**
Client:	**Arcadis, Geraghty & Miller**
Project Name:	**Electro Coatings, Inc.**
Project #:	**010212-A1**
Receipt Date:	**02/13/01**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for six water samples received from the above referenced project on February 13, 2001. The samples were received cold and intact.

Volatile Halogens (EPA 8010MS):
The recovery for the 1,2-dichloroethane-d4 surrogate was over the acceptable QC limits in sample MW-20 (C&T ID 150298-006). None of the target analytes were detected in this sample so the quality of the sample data should not be affected. No other analytical problems were encountered.

Metals (EPA 7470):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-13	Batch#:	61517
Lab ID:	150298-001	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	1.3	1.0
Bromomethane	ND	1.0
Chloroethane	2.9	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	5.1	0.5
1,1-Dichloroethane	5.7	0.5
cis-1,2-Dichloroethene	1.1	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	0.9	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	120	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	103	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	61560
Lab ID:	150298-002	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Analyzed:	02/15/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	4.6	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	5.0	0.5
1,1-Dichloroethane	1.1	0.5
cis-1,2-Dichloroethene	4.5	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	1.5	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	90	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	102	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-14	Batch#:	61517
Lab ID:	150298-003	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	2.2	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	0.5	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	8.3	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	1.7	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	120	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	104	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	61560
Lab ID:	150298-004	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Analyzed:	02/15/01
Diln Fac:	10.00		

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	820	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Freon 113	ND	10
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	200
trans-1,2-Dichloroethene	37	5.0
1,1-Dichloroethane	ND	5.0
cis-1,2-Dichloroethene	1,700	5.0
Chloroform	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	61560
Lab ID:	150298-005	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Analyzed:	02/15/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	2.4	0.5
cis-1,2-Dichloroethene	0.9	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	3.0	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-20	Batch#:	61517
Lab ID:	150298-006	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	126 *	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	106	80-115

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC137559	Batch#:	61517
Matrix:	Water	Analyzed:	02/14/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	102	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC137728	Batch#:	61560
Matrix:	Water	Analyzed:	02/15/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	99	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	61517
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Type: BS Lab ID: QC137557

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	44.28	89	74-132
Trichloroethene	50.00	44.68	89	80-119
Chlorobenzene	50.00	49.04	98	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	97	80-115

Type: BSD Lab ID: QC137558

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	43.54	87	74-132	2	20
Trichloroethene	50.00	43.06	86	80-119	4	20
Chlorobenzene	50.00	47.38	95	80-117	3	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	112	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	95	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	61560
Units:	ug/L	Analyzed:	02/15/01
Diln Fac:	1.000		

Type: BS Lab ID: QC137726

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	56.25	113	74-132
Trichloroethene	50.00	52.66	105	80-119
Chlorobenzene	50.00	53.41	107	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	90	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	98	80-115

Type: BSD Lab ID: QC137727

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	53.04	106	74-132	6	20
Trichloroethene	50.00	50.54	101	80-119	4	20
Chlorobenzene	50.00	52.70	105	80-117	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	97	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Chromium

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 3010
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Chromium	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	ug/L	Prepared:	02/13/01
Diln Fac:	1.000	Analyzed:	02/14/01
Batch#:	61504		

Field ID	Type	Lab ID	Result	RL
MW-13	SAMPLE	150298-001	110	10
MW-5	SAMPLE	150298-002	81	10
MW-14	SAMPLE	150298-003	56	10
MW-4	SAMPLE	150298-004	14	10
MW-10	SAMPLE	150298-005	29	10
MW-20	SAMPLE	150298-006	ND	10
	BLANK	QC137514	ND	10

ND= Not Detected
RL= Reporting Limit

Chromium

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	EPA 3010
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Chromium	Batch#:	61504
Field ID:	ZZZZZZZZZZ	Sampled:	02/09/01
MSS Lab ID:	150258-002	Received:	02/09/01
Matrix:	Water	Prepared:	02/13/01
Units:	ug/L	Analyzed:	02/14/01
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC137515		200.0	188.0	94	80-113		
BSD	QC137516		200.0	186.0	93	80-113	1	21
MS	QC137517	21.20	200.0	210.0	94	70-124		
MSD	QC137518		200.0	214.0	96	70-124	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Hexavalent Chromium

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7196
Analyte:	Hexavalent Chromium	Batch#:	61520
Matrix:	Water	Sampled:	02/13/01
Units:	mg/L	Received:	02/13/01
Diln Fac:	1.000	Analyzed:	02/13/01

Field ID	Type	Lab ID	Result	RL
MW-13	SAMPLE	150298-001	ND	0.01
MW-5	SAMPLE	150298-002	0.02	0.01
MW-14	SAMPLE	150298-003	ND	0.01
MW-4	SAMPLE	150298-004	ND	0.01
MW-10	SAMPLE	150298-005	ND	0.01
MW-20	SAMPLE	150298-006	ND	0.01
	BLANK	QC137570	ND	0.01

ND= Not Detected
RL= Reporting Limit

Hexavalent Chromium

Lab #:	150298	Location:	Electro Coatings inc.
Client:	Arcadis Geraghty & Miller	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7196
Analyte:	Hexavalent Chromium	Diln Fac:	1.000
Field ID:	MW-20	Batch#:	61520
MSS Lab ID:	150298-006	Sampled:	02/13/01
Matrix:	Water	Received:	02/13/01
Units:	mg/L	Analyzed:	02/13/01

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
LCS	QC137569		0.8000	0.8130	102	80-116		
MS	QC137571	<0.01000	0.8000	0.8020	100	25-150		
MSD	QC137572		0.8000	0.8020	100	25-150	0	27

RPD= Relative Percent Difference

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