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GROUNDWATER MONITORING DATA

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

Crown City Plating Co.
4350 Temple City Blvd.
El Monte, CA 91731

Prepared by: Lawrence P. Donovan III
Vice President, Chemistry and Environmental Science
Registered Environmental Assessor No. 02989
Crown City Plating Co.

Submitted to: California Regional Water Quality Control Board
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156
Attn. E. Solomon

July 1, 1998

I. INTRODUCTION

The California Regional Water Quality Control Board-Los Angeles Region has required Crown City Plating Co. to sample its three shallow groundwater wells on its property approximately every three months. This report details the groundwater monitoring activities from September 13, 1995 through April 21, 1998.

II. FIELD PROCEDURES

Water samples were taken from three shallow groundwater monitoring wells, E-1, E-2, and E-3 and a deep aquifer (800 feet) production well. Well E-1 is located near the south central edge of the property. Well E-2 is located adjacent to the storm water drainage ditch which runs along the eastern edge of the property and approximately fifty feet from the southern edge of the property. Well E-3 is located between the Mold Shop and the Rack Department on the northern eastern edge of the property. The deep aquifer production well is located in the center of the manufacturing complex. The approximate location of the wells are shown on the plot plan (see Figure 1).

A. Sampling:

A Keck Redi-Flo 2 Port-A-Reel pumps was used for sampling. This unit utilizes a variable speed pump which is 11 inches long by 1.8 inches in diameter. It is able to fit in the 2 inch E-1 well.

Each well is typically purged for 30 minutes at a rate of 12 liters/minute (3.17 gpm). This purges the well of 80 to 100 gallons of water. Sample field notes are shown in Appendix A illustrating water temperature, sampling time, purge flow rate, etc.

After purging, the groundwater samples were pumped directly into clean glass bottles. The bottles were sealed, inverted to check for air bubbles, labeled, refrigerated and transported to an analytical laboratory.

The results of Volatile Organic Analysis is summarized in Table I. Turbidity and pH analysis are detailed in Table II. The analytical data is in Appendix B.

B. Special Analysis:

(1) well E-2 was analyzed for complete minerals on September 5, 1997. The results were:

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Aluminum	EPA6010	0.050	N.D.
Arsenic	EPA6010	0.0050	N.D.
Barium	EPA6010	0.010	0.045
Cadmium	EPA6010	0.0020	N.D.
Calcium	EPA6010	1.0	140
Chromium	EPA7191	0.050	0.19
Copper	EPA6010	0.010	0.030
Iron	EPA6010	0.020	0.20
Lead	EPA7421	0.0050	N.D.
Magnesium	EPA6010	0.20	46
Manganese	EPA6010	0.020	N.D.
Mercury	EPA7470	0.00020	N.D.
Potassium	EPA6010	0.50	3.3
Selenium	EPA7740	0.010	N.D.
Silver	EPA6010	0.010	N.D.
Sodium	EPA6010	5.0	29
Zinc	EPA6010	0.020	0.025
Bicarbonate Alkalinity	EPA310.1	1.0	350
Chloride	EPA300	5.0	55
Color (color units)	EPA110.2	1.0	5.0
Fluoride	EPA300	0.50	N.D.
Hardness	SM2340B	10	540
Nitrate-N03	EPA300	5.0	120
Odor (threshold units)	EPA140.1	1.0	N.D.
pH (pH units)	EPA150.1	N.A.	7.3
Specific Conductance (µmhos/cm)	EPA120.1	N.A.	1,000
Sulfate	EPA300	5.0	88
Surfactants	EPA425.1	0.10	N.D.
Total Alkalinity	EPA310.1	1.0	360
Total Dissolved Solids	EPA160.1	5.0	550
Turbidity (NTU)	EPA180.1	1.0	3.1

The nitrate level exceeds maximum contaminant level for drinking water quality. Nitrates are generally the result of the prior agriculture history of the San Gabriel Valley.

(2) August 15, 1997 samples were analyzed for perchlorate and dioxane. The results were:

Well	Perchlorate	Dioxane
E-1	N.D.	11 ppb
E-2	N.D.	25
E-3	4.3 ppb (Detection limit 4.0)	15
Production Well	N.D.	N.D.

C. Groundwater Elevation

Groundwater depths were measured for each shallow monitoring well on a weekly basis. A Solinst Model 101 Water Level Meter (150 feet capacity) is used to measure the groundwater level. The groundwater measurement data is in Appendix C and the calculated groundwater elevation from the well survey points is detailed in Appendix D. The groundwater elevation suggests a directional flow of West to East commencing in June 1997 and then reversing to the prior East to West flow in January 1998.

Table I
MONITORING WELLS

E - 1 WELL

Reported Compounds Parts per Billion (ug/l)

Well	Sample Date	PCE	1, 1, I TCA	1, 1 DCE	TCE	Methylene Chloride	US 1,2 DCE	Chloro-form	1,3 Dichloro-bezine	Ethyl Benzene	MTB E	TTO
E-1	1/29/89	150	45	15	300	<10	ND	ND		ND		520.0
	8/4/89	140	44	20	310	-	ND	ND		ND		514.0
	2/2/90	65	18	3	220	<4	ND	ND		ND		310.0
	11/11/93	600	ND	<120	530	0.9	0.6	ND		ND		1251.5
	2/18/94	180	33	18	130	99	ND	6.5		ND		466.5
	7/24/95	60	5	16	290	ND	ND	ND		ND		371.0
	8/23/95	100	7.5	18	270	ND	ND	ND		ND		395.5
	9/13/95	57	ND	8.5	300	ND	ND	ND		ND		365.5
	11/02/95	50	5.3	8.6	180	ND	ND	ND		ND		243.9
	1/17/96	48	ND	7.7	220	ND	ND	ND		6.6		282
	8/27/96	57	6.1	12	320	ND	ND	ND		ND		395.1
	9/9/96	Start Extraction Wells at Hermetic Seal										
	10/15/96	63	6.3	12	340	ND	ND	ND		ND		421.3
	1/17/97	48	ND	7.7	220	ND	ND	ND		6.6		282.3
	2/14/97	64	ND	ND	360	ND	ND	ND		ND	ND	424.0
	5/16/97	70	ND	ND	480	ND	ND	ND		ND	ND	550.0
	8/15/97	68	ND	ND	620	ND	ND	ND		ND		688.0
	11/14/97	98	ND	ND	1100	ND	ND	ND		ND	ND	1198.0
	2/10/98	130	ND	ND	1200	ND	ND	ND		ND	ND	1330.0
	4/21/98	53	ND	ND	400	ND	ND	ND		ND	ND	453

Table I
MONITORING WELLS

E - 2 WELL

Reported Compounds Parts per Billion (ug/l)

Well	Sample Date	PCE	1, 1, I TCA	1, 1 DCE	TCE	Methylene Chloride	CIS, 2 DCE	Chloro-form	1,3 Dichloro-bezine	Ethyl Benzene	MTB E	TTO
E-2	2/2/90	<20	<20	<20	2000	<40	ND	ND	ND	ND		2100.0
	11/11/90	26.0	4.6	36	740	0.5	2.0	1.0	0.6	ND		810.7
	2/18/94	ND	ND	ND	580	ND	ND	ND	ND	ND		580.0
	3/8/95	8.3	ND	ND	300	ND	ND	ND	ND	ND		308.3
	7/24/95	11.0	ND	8	290	ND	ND	ND	ND	ND		309.0
	1/17/96	13	ND	ND	200	ND	ND	ND	ND	ND		213
	8/27/96	37	ND	ND	900	ND	ND	ND	ND	ND		937.0
	1/5/97	120	ND	ND	3600	ND	ND	ND	ND	ND		3720
	9/9/96	Start Extraction Wells at Hermetic Seal										
	10/15/96	54	ND	ND	1300	ND	ND	ND	ND	ND		354.0
	1/17/97	13	ND	ND	200	ND	ND	ND	ND	ND		213.0
	2/14/97	ND	ND	ND	800	ND	ND	ND	ND	ND	ND	800.0
	5/16/97	ND	ND	ND	1900	ND	ND	ND	ND	ND	ND	1900.0
	8/15/97	ND	ND	ND	1200	ND	ND	ND	ND	ND	ND	1200.0
	9/5/97	120	ND	ND	3600	ND	ND	ND	ND	ND	ND	3720.0
	11/14/97	100	ND	ND	3600	ND	ND	ND	ND	ND	ND	3700
	2/10/98	ND	ND	ND	3500	ND	ND	ND	ND	ND	ND	3500.0
	4/21/98	33	ND	ND	790	ND	ND	ND	ND	ND	ND	823

Table I
MONITORING WELLS

E - 3 WELL

Reported Compounds Parts per Billion (ug/l)

Well	Sample Date	PCE	1, 1, I TCA	1, 1 DCE	TCE	Methylene Chloride	US1,1 DCE	Chloro-form	1,3 Dichloro-bezine	Ethyl Benzene	MTB E	TTO
E-3	2/2/90	1	1	1	9	<2	ND	ND	ND	ND		12.2
	11/11/90	34	ND	13	730	0.6	0.6	ND	ND	ND		778.2
	2/18/94	14	ND	ND	370	ND	ND	ND	ND	ND		384.0
	3/8/95	9.7	ND	ND	99	ND	ND	ND	ND	ND		108.7
	7/24/95	15	ND	ND	ND	ND	ND	ND	ND	ND		215.0
	1/17/96	11			66							~~161.0~~ 77
	8/27/96	11	ND	ND	150	ND	ND	ND	ND	ND		161
	9/9/96	Start Extraction Wells at Hermetic Seal										
	10/15/96	16	ND	ND	160	ND	ND	ND	ND	ND		176.0
	1/17/97	11	ND	ND	66	ND	ND	ND	ND	ND		77.0
	2/14/97	13	ND	ND	120	ND	ND	ND	ND	ND	ND	133.0
	5/16/97	17	ND	ND	190	ND	ND	ND	ND	ND	ND	207.0
	8/15/97	17	ND	ND	240	ND	ND	ND	ND	ND	ND	257.0
	11/14/97	20	ND	ND	280	ND	ND	ND	ND	ND	ND	300.0
	2/10/98	25	ND	ND	270	ND	ND	ND	ND	ND	ND	295.0
	4/21/98	16	ND	ND	190	ND	ND	ND	ND	ND	ND	216

PRODUCTION VOC

8/27/98	VOC'S N.D.
2/14/97	VOC'S N.D.
5/16/97	VOC'S N.D.
8/15/97	VOC'S N.D.
11/14/97	TCE 2.7 ppb
2/10/98	VOC'S N.D.
4/4/98	VOC'S N.D.

TABLE II

Well E-1

Date	Turbidity	pH
11/02/95	1.5	7.1
01/17/96	1.8	-
08/27/96	12	7.2
02/14/97	3.0	7.7
05/16/97	1.4	7.3
08/15/97	6.0	7.5
11/14/97	2.5	7.4
02/10/98	3.4	7.3
04/21/98	5.1	7.3

Well E-2

Date	Turbidity	pH
01/17/96	ND	-
08/27/96	8.7	7.3
02/14/97	14	7.5
05/16/97	ND	7.2
08/15/97	6.0	7.4
11/14/97	3.1	7.3
02/10/98	4.1	7.3
04/21/98	ND	7.3

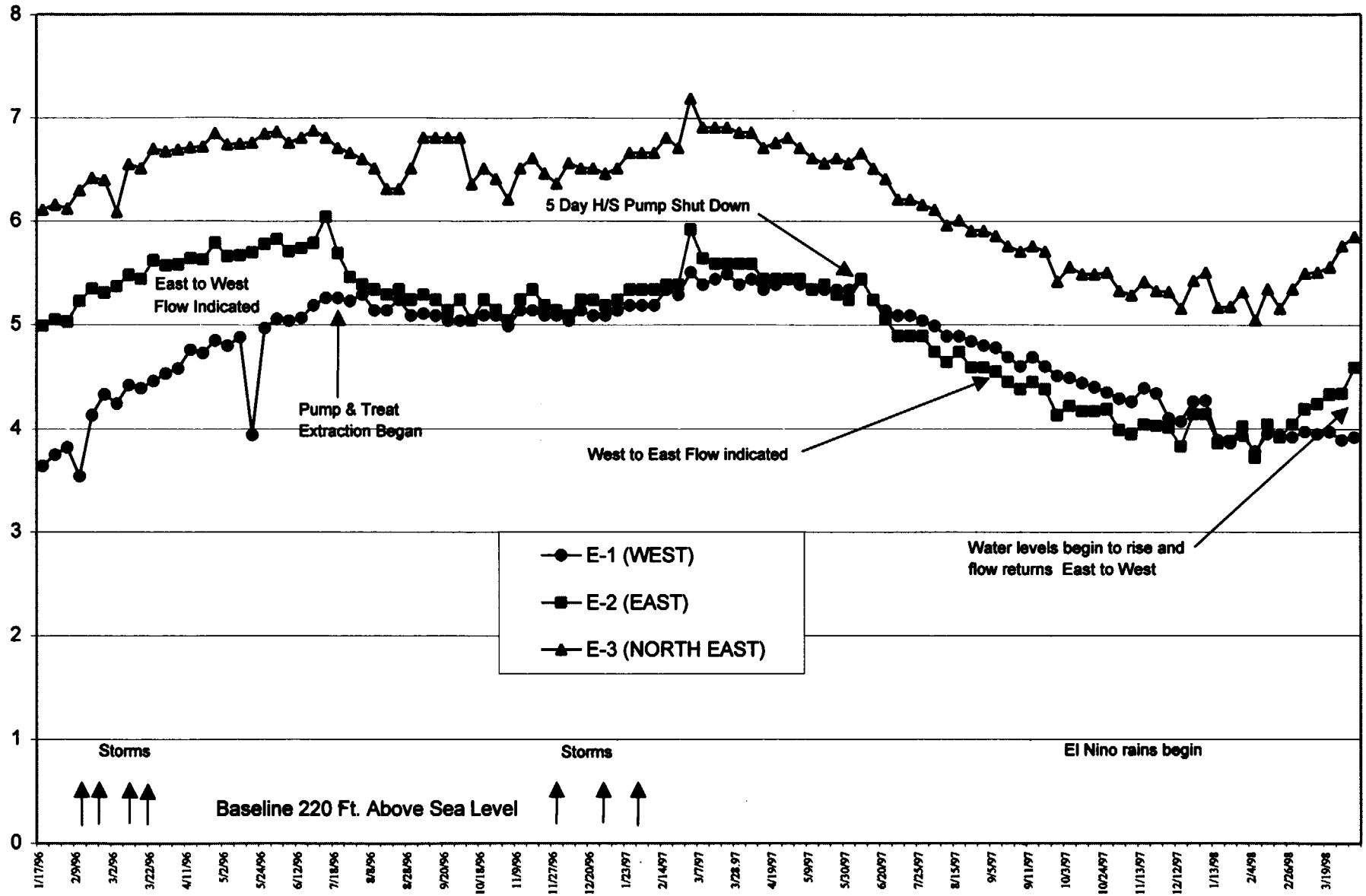
Well E-3

Date	Turbidity	pH
01/17/96	20	-
08/27/96	4.4	7.3
02/14/97	7.3	7.5
05/16/97	7.5	7.3
08/15/97	15	7.5
11/14/97	9.6	7.2
02/10/98	108	7.4
04/21/98	18	7.3

Production Well

Date	Turbidity	pH
08/27/96	ND	7.8
02/14/97	ND	7.9
05/16/97	ND	7.7
08/15/97	ND	7.8
11/14/97	ND	7.5
02/10/98	ND	7.7
04/21/98	ND	7.6

CCPC MONITORING WELLS



APPENDIX A

FIELD NOTES

Del Mar Analytical

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled:	Apr 21, 1998
4350 Temple City Boulevard		Received:	Apr 21, 1998
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted:	Apr 28, 1998
Attention: Larry Donovan	Lab Number: HD03075	Analyzed:	Apr 28, 1998
		Reported:	Apr 30, 1998

PURGEABLES with MTBE by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	100	N.D.
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	100	N.D.
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	200	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**33**
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**790**
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	50	N.D.
Total Xylenes	20	N.D.
Methyl tert-Butyl Ether	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	110%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	107%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled:	Apr 21, 1998
4350 Temple City Boulevard		Received:	Apr 21, 1998
El Monte, CA 91731	Sample Descript: Water, Well Water E-3	Extracted:	Apr 28, 1998
Attention: Larry Donovan	Lab Number: HD03076	Analyzed:	Apr 28, 1998
		Reported:	Apr 30, 1998

PURGEABLES with MTBE by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**16**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**190**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	110%
Toluene-d8 (88-110)	104%
4-Bromofluorobenzene (86-115)	108%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Apr 21, 1998
4350 Temple City Boulevard		Received: Apr 21, 1998
El Monte, CA 91731	Sample Descript: Water, Production Well	Extracted: Apr 28, 1998
Attention: Larry Donovan	Lab Number: HD03077	Analyzed: Apr 28, 1998
		Reported: Apr 30, 1998

PURGEABLES with MTBE by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	109%
Toluene-d8 (88-110)	104%
4-Bromofluorobenzene (86-115)	107%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Apr 21, 1998
4350 Temple City Boulevard		Received: Apr 21, 1998
El Monte, CA 91731	Sample Descript: Water	Extracted: Apr 22, 1998
Attention: Larry Donovan	First Sample #: HD03074	Analyzed: Apr 22, 1998
		Reported: Apr 30, 1998

pH (EPA 150.1)

Laboratory Number	Sample Description	Reporting Limit pH units	Sample Result pH units
HD03074	Well Water E-1	N.A.	7.3
HD03075	Well Water E-2	N.A.	7.3
HD03076	Well Water E-3	N.A.	7.3
HD03077	Production Well	N.A.	7.6

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Apr 21, 1998
4350 Temple City Boulevard		Received: Apr 21, 1998
El Monte, CA 91731	Sample Descript: Water	Extracted: Apr 22, 1998
Attention: Larry Donovan	First Sample #: HD03074	Analyzed: Apr 22, 1998
		Reported: Apr 30, 1998

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Reporting Limit NTU	Sample Result NTU
HD03074	Well Water E-1	1.0	5.1
HD03075	Well Water E-2	1.0	N.D.
HD03076	Well Water E-3	1.0	18
HD03077	Production Well	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Boulevard
El Monte, CA 91731
Attention: Larry Donovan

Method Blank

Extracted: Apr 28, 1998
Analyzed: Apr 28, 1998
Reported: Apr 30, 1998

PURGEABLES with MTBE by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	109%
Toluene-d8 (88-110)	104%
4-Bromofluorobenzene (86-115)	108%

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MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

Date: 4/28/98

Sample: HD03338

Batch: HD28071W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	0	50	54	55	108%	110%	1.8%	109%	20	65-190
1,1-Dichloroethene	0	50	49	47	98%	94%	4.2%	96%	50	45-165
MTBE	1.4	50	47	46	91%	89%	2.2%	90%	25	60-150
1,1-Dichlororethane	0	50	48	48	96%	96%	0.0%	96%	20	55-160
Chloroform	0	50	48	47	96%	94%	2.1%	95%	20	60-150
1,2-Dichlororethane	0	50	48	46	96%	92%	4.3%	94%	20	40-160
Benzene	6.0	50	53	52	94%	92%	1.9%	93%	20	65-140
Trichloroethene	0	50	46	46	92%	92%	0.0%	92%	20	65-130
Toluene	2.3	50	47	46	89%	87%	2.2%	88%	20	70-135
Tetrachloroethene	0	50	45	44	90%	88%	2.2%	89%	20	50-155
Chlorobenzene	0	50	44	43	88%	86%	2.3%	87%	20	75-130
Ethylbenzene	0.2	50	45	44	90%	88%	2.2%	89%	20	70-135
m,p-Xylenes	7.4	100	100	98	93%	91%	2.0%	92%	20	65-140
o-Xylene	4.7	50	53	52	97%	95%	1.9%	96%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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CHAIN OF CUSTODY FORM

Client Name/Address: CROWN CITY PLATING CO. 4360 TEMPLE CITY BLVD, EL MONTE CA 91731

Project/PO Number:

Project Manager/Phone Number: LARRY P. DONOVAN (626) 444-9291

Sampler: F. Bundang

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	PH EPA 150.1	TURBIDITY EPA 180.1	VOLATILES EPA 624	MTBE EPA 624						Special Instructions
WELL WATER E-1	WATER	VAR	3	4/21/98 9:55	VAR	X	X	X	X						REFRIGERATE
WELL WATER E-2	WATER	VAR	3	4/21/98 11:15	VAR	X	X	X	X						REFRIGERATE
WELL WATER E-3	WATER	VAR	3	4/21/98 12:00	VAR	X	X	X	X						REFRIGERATE
PRODUCTION WELL	WATER	VAR	3	4/21/98 12:20	VAR	X	X	X	X						REFRIGERATE

Relinquished By:	Date /Time:	Received by:	Date /Time:
Filomena Bundang	4/21/98 1:30 P.M.	[illegible]	4/21/98 1:30 PM
[illegible]	4/21/98 8:20 PM		
		Received in Lab by: [illegible]	Date /Time: 4/21/98

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

NO.	SAMPLE DESCRIPTION	TIME SAMPLED		TEMPERATURE		AVE. FLOW RATE	NO. OF	FREQ.	
		START	FINISH	START	FINISH	SECONDS / LITER	MEAS.	HERTZ.	
1	Well Water E-1	9:20	9:55	69.0	68.9	5.04 3.14 gpm	10	30/	110 gal
2	Well Water E-2	10:30	11:15	67.7	67.8	5.10	10	30/	
3	Well Water E-3	11:20	12:00	69.3	69.2	5.13	10	30/	
4	Production Well Water		12:20						
5	Hermetic Seal Incoming Ground Water								
6	Final Effluent								

SAMPLED BY: F. Bradberg

DATE: 4/21/98

NO.	SAMPLE DESCRIPTION	TIME SAMPLED		TEMPERATURE		AVE. FLOW RATE	NO. OF	FREQ.
		START	FINISH	START	FINISH	SECONDS / LITER	MEAS.	HERTZ.
1	Well Water E-1	10:20	11:00	68.8	68.9	5.05 /LITER	10	300
2	Well Water E-2	11:10	11:50	67.4	67.9	5.08 sec /LITER	10	301
3	Well Water E-3	11:55	12:30	68.2	69.1	5.12 sec /LITER	10	300
4	Production Well Water		1:10					
5	Hermetic Seal Incoming Ground Water		1:20			40 Gals/min.		
6	Final Effluent		1:30					

SAMPLED BY: F Burdas

DATE: 2/10/98

NO.	SAMPLE DESCRIPTION	TIME SAMPLED		TEMPERATURE		AVE. FLOW RATE	NO. OF	FREQ.
		START	FINISH	START	FINISH	SECONDS / LITER	MEAS.	HERTZ.
1	Well Water E-1	9:00	9:30	69.4	69.2	5 sec / liter	10	301
2	Well Water E-2	10:10	10:40	68.4	68.2	5 sec / liter	10	301
3	Well Water E-3	11:00	11:30	68.9	69.3	5 sec / liter	10	302
4	Production Well Water		11:45					
5	Hermetic Seal Incoming Ground Water							
6	Final Effluent							

SAMPLED BY: Japmdang

DATE: 11/14/97

NO.	SAMPLE DESCRIPTION	TIME SAMPLED		TEMPERATURE		AVE. FLOW RATE	NO. OF	FREQ.
		START	FINISH	START	FINISH	SECONDS / LITER	MEAS.	HERTZ.
1	Well Water E-1							
2	Well Water E-2	8:20	8:50	69.7	69.1	5 secs./Liter	10	30 /
3	Well Water E-3							
4	Production Well Water							
5	Hermetic Seal Incoming Ground Water							
6	Final Effluent							

SAMPLED BY: F. Bundang

DATE: 09/05/97

NO.	SAMPLE DESCRIPTION	TIME SAMPLED		TEMPERATURE		AVE. FLOW RATE	NO. OF	FREQ.
		START	FINISH	START	FINISH	SECONDS / LITER	MEAS.	HERTZ.
1	Well Water E-1	7:50	8:25	70.2	70.2	4.3	10	302
2	Well Water E-2	9:10	9:40	68.6	69.0	5.0	10	303
3	Well Water E-3	10:25	10:55	69.7	70.1	5.0	10	300
4	Production Well Water	11:10	11:15	65.3	65.3	NA	NA	NA
5	Hermetic Seal Incoming Ground Water	11:30		70.4		NA	NA	NA
6	Final Effluent	11:40		NA		NA	NA	NA

SAMPLED BY: F. Bundang

DATE: 8/15/97

NO.	SAMPLE DESCRIPTION	TIME SAMPLED		TEMPERATURE		AVE. FLOW RATE	NO. OF	FREQ.
		START	FINISH	START	FINISH	LITERS / SEC.	MEAS.	HERTZ.
1	Well Water # 1	7:20	7:55		70.2	1 / 5 sec	10	305
2	Well Water # 2	8:05	8:30	68.4	68.5	1 / 5 sec	10	301
3	Well Water # 3	8:45	9:20	69.4	69.4	1 / 5 sec.	10	301
4	Production Well Water	9:30	9:40	65.3	65.3	NA	NA	NA
5	Final Effluent	-	9:25	NA	NA	NA	NA	NA
6								

Sampled By: [signature]

Date : 5/16/97

No.	Sample Description	No. of	Time Sampled		Ave. Flow Rate	
		Measurements	Start	Finish	Liters/sec.	Hertz
1	Well Water # 1	10	8:05	8:35	1/5.1	301
2	Well Water # 2	10	8:40	9:05	1/5.1	301
3	Well Water # 3	10	9:10	9:35	1/5.15	302
4	PRODUCTION ~~Incoming~~ Well Water	NA	10:00	10:10	NA	NA
5	Final Effluent	NA	NA	10:20	NA	NA
6						
7						

Sampled By : [illegible]

Date : 2/14/97

Sample Date - 10/15/96

CROWN City PLATING WELL WATER SAMPLE

WELL WATER #1 START 8:45

Time Sampled 9:20 A.m.

(10 measurements) ave FLOW Rate 1 liter/sec @ 300 Hz

WELL WATER # 2 START 9:30

Time Sampled 9:50 A.m.

(10 measurements) ave FLOW Rate 1 liter/sec @ 301 Hertz

Well WATER #3 START 10:00

Time Sampled 10:20 A.m.

(10 measurements) ave FLOW Rate 1 liter/sec @ 300 Hertz

Incoming Well/water Time Sampled 10:35 A.m.

EFFLUENT WASTE WATER TIME Sampled 11:00 A.m.

note: 1) analyze all well water sample per EPA 8010/8020

2) analyze EFFLUENT WASTE WATER per EPA 624

(see back)

2/14/97 - was analyze Volatiles for well water or groundwater per EPA 624 per LP.

APPENDIX B

ANALYTICAL DATA

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled:	Apr 21, 1998
4350 Temple City Boulevard		Received:	Apr 21, 1998
El Monte, CA 91731	Sample Descript: Water, Well Water E-1	Extracted:	Apr 28, 1998
Attention: Larry Donovan	Lab Number: HD03074	Analyzed:	Apr 28, 1998
		Reported:	Apr 30, 1998

PURGEABLES with MTBE by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	13	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**53**
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**400**
Trichlorofluoromethane	13	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.
Total Xylenes	5.0	N.D.
Methyl tert-Butyl Ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	109%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	107%

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water, Well Water E-1	Extracted: Feb 11, 1998
Attention: Larry Donovan	Lab Number: HB00970	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	200	N.D.
Benzene	40	N.D.
Bromodichloromethane	40	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	200	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	40	N.D.
Chlorodibromomethane	40	N.D.
Chloroethane	100	N.D.
Chloroform	40	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	40	N.D.
1,2-Dichloroethane	40	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	40	N.D.
trans-1,2-Dichloroethene	40	N.D.
1,2-Dichloropropane	40	N.D.
cis-1,3-Dichloropropene	40	N.D.
trans-1,3-Dichloropropene	40	N.D.
Ethylbenzene	40	N.D.
2-Hexanone	200	N.D.
Methylene chloride	400	N.D.
4-Methyl-2-pentanone	100	N.D.
Styrene	40	N.D.
1,1,2,2-Tetrachloroethane	40	N.D.
Tetrachloroethene	**40**	**130**
Toluene	40	N.D.
1,1,1-Trichloroethane	40	N.D.
1,1,2-Trichloroethane	40	N.D.
Trichloroethene	**40**	**1,200**
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	40	N.D.
Methyl tert-Butyl Ether	100	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	89%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	101%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted: Feb 11, 1998
Attention: Larry Donovan	Lab Number: HB00971	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	1,000	N.D.
Benzene	200	N.D.
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	1,000	N.D.
Carbon disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chlorobenzene	200	N.D.
Chlorodibromomethane	200	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
cis-1,2-Dichloroethene	200	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	200	N.D.
2-Hexanone	1,000	N.D.
Methylene chloride	2,000	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	200	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	200	N.D.
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	**200**	**3,500**
Trichlorofluoromethane	500	N.D.
Vinyl acetate	500	N.D.
Vinyl chloride	500	N.D.
Total Xylenes	200	N.D.
Methyl tert-Butyl Ether	500	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hanfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	89%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	99%

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water, Well Water E-3	Extracted: Feb 11, 1998
Attention: Larry Donovan	Lab Number: HB00972	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	100	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**25**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**270**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	87%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water, Production Well Water	Extracted: Feb 11, 1998
Attention: Larry Donovan	Lab Number: HB00973	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	100	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	91%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled:	Feb 10, 1998
4350 Temple City Boulevard		Received:	Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water, Incoming Hermetic Seal Ground Water	Extracted:	Feb 11, 1998
Attention: Larry Donovan	Lab Number: HB00974	Analyzed:	Feb 11, 1998
		Reported:	Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	100	N.D.
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	100	N.D.
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,1-Dichloroethane	**20**	**45**
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	200	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**720**
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**270**
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	50	N.D.
Total Xylenes	20	N.D.
Methyl tert-Butyl Ether	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	87%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water, Final Effluent	Extracted: Feb 11, 1998
Attention: Larry Donovan	Lab Number: HB00975	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**100**	**12**
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	100	N.D.
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
Chloroform	**20**	**34**
Chloromethane	50	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	200	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**3.1**
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**2.0**
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	50	N.D.
Total Xylenes	20	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	90%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water	Extracted: Feb 11, 1998
Attention: Larry Donovan	First Sample #: HB00970	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result pH units
HB00970	Well Water E-1	7.3
HB00971	Well Water E-2	7.3
HB00972	Well Water E-3	7.4
HB00973	Production Well Water	7.7
HB00974	Incoming Hermetic Seal Ground Water	7.3
HB00975	Final Effluent	9.1

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Feb 10, 1998
4350 Temple City Boulevard		Received: Feb 10, 1998
El Monte, CA 91731	Sample Descript: Water	Extracted: Feb 11, 1998
Attention: Larry Donovan	First Sample #: HB00970	Analyzed: Feb 11, 1998
		Reported: Feb 16, 1998

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Reporting Limit NTU	Sample Description NTU
HB00970	Well Water E-1	1.0	3.4
HB00971	Well Water E-2	1.0	4.1
HB00972	Well Water E-3	1.0	108
HB00973	Production Well Water	1.0	N.D.
HB00974	Incoming Hermetic Seal Ground Water	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Boulevard
El Monte, CA 91731
Attention: Larry Donovan

Method Blank

Extracted: Feb 11, 1998
Analyzed: Feb 11, 1998
Reported: Feb 16, 1998

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	90%
Toluene-d8 (88-110)	97%
4-Bromofluorobenzene (86-115)	99%

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MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 2/11/98

SAMPLE #: HB00975

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	50	47	48	94%	96%	2.1%	95%
Chlorobenzene	0	50	46	47	92%	94%	2.2%	93%
1,1-Dichloroethane	0	50	45	46	90%	92%	2.2%	91%
1,2-Dichlororethane	0	50	42	42	84%	84%	0.0%	84%
1,1-Dichloroethene	0	50	45	44	90%	88%	2.2%	89%
Chloroform	38	50	83	83	90%	90%	0.0%	90%
Tetrachloroethene	3.4	50	51	52	95%	97%	1.9%	96%
Toluene	0	50	46	46	92%	92%	0.0%	92%
Trichloroethene	2.3	50	49	51	93%	97%	4.0%	95%
Vinyl Chloride	0	50	33	34	66%	68%	3.0%	67%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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CHAIN OF CUSTODY FORM

Client Name/Address: Crown City Plating Co. 4350 Temple City Blvd., El Monte, CA 91731

Project/PO Number:

Project Manager/Phone Number: Larry P. Donovan (818) 444-9291

Sampler: F. Bundang

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	pH EPA 150.1	Turbidity EPA 180.1	Volatile EPA 624	MTBE EPA 624						Special Instructions
Well Water ~~E1~~ E-1	water	Var	3	2/10/98 11:00	Var	X	X	X	X						Refrigerate
Well Water ~~E2~~ E-2	water	Var	3	2/10/98 11:50	Var	X	X	X	X						Refrigerate
Well Water ~~E3~~ E-3	water	Var	3	2/10/98 12:30	Var	X	X	X	X						Refrigerate
Production Well Water	water	Var	3	2/10/98 1:10	Var	X	X	X	X						Refrigerate
Incoming Hermetic ~~Seal Ground water~~	water	Var	3	2/10/98 1:20	Var	X	X	X	X						Refrigerate
Final Effluent	water	Var	3	2/10/98 1:30	Var	X		X							Refrigerate

X

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)
Filomena Pmedgos	2/10/98 1430	L. Lay	2/10/98 1430	same day ___ 72 hours ___
L. Lay	2/10/98 1745			24 hours ___ 5 days ___
				48 hours ___ normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)
			2/10/98 1745	intact ✓ on ice ✓

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Crown City Plating	Client Project ID: El Monte CA 91731	Sampled: Nov 14, 1997
4350 Temple City Boulevard		Received: Nov 14, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-1	Extracted: Nov 23, 1997
Attention: Larry P. Donovan	Lab Number: GK02665	Analyzed: Nov 23, 1997
		Reported: Nov 25, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	250	N.D.
Benzene	50	N.D.
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	130	N.D.
2-Butanone	250	N.D.
Carbon disulfide	130	N.D.
Carbon tetrachloride	130	N.D.
Chlorobenzene	50	N.D.
Chlorodibromomethane	50	N.D.
Chloroethane	130	N.D.
Chloroform	50	N.D.
Chloromethane	130	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	130	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis 1,3-Dichloropropene	50	N.D.
trans 1,3-Dichloropropene	50	N.D.
Ethylbenzene	50	N.D.
2-Hexanone	250	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	130	N.D.
Styrene	50	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	**50**	**98**
Toluene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**1,100**
Trichlorofluoromethane	130	N.D.
Vinyl acetate	130	N.D.
Vinyl chloride	130	N.D.
Total Xylenes	50	N.D.
Methyl tert-Butyl Ether		N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 25.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	95%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	93%

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Crown City Plating	Client Project ID: El Monte CA 91731	Sampled: Nov 14, 1997
4350 Temple City Boulevard		Received: Nov 14, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted: Nov 23, 1997
Attention: Larry P. Donovan	Lab Number: GK02666	Analyzed: Nov 23, 1997
		Reported: Nov 25, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	250	N.D.
Benzene	50	N.D.
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	130	N.D.
2-Butanone	250	N.D.
Carbon disulfide	130	N.D.
Carbon tetrachloride	130	N.D.
Chlorobenzene	50	N.D.
Chlorodibromomethane	50	N.D.
Chloroethane	130	N.D.
Chloroform	50	N.D.
Chloromethane	130	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	130	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis 1,3-Dichloropropene	50	N.D.
trans 1,3-Dichloropropene	50	N.D.
Ethylbenzene	50	N.D.
2-Hexanone	250	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	130	N.D.
Styrene	50	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	**50**	**100**
Toluene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**3,600**
Trichlorofluoromethane	130	N.D.
Vinyl acetate	130	N.D.
Vinyl chloride	130	N.D.
Total Xylenes	50	N.D.
Methyl tert-Butyl Ether		N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 25.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	106%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	95%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: El Monte CA 91731	Sampled: Nov 14, 1997
4350 Temple City Boulevard		Received: Nov 14, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-3	Extracted: Nov 23, 1997
Attention: Larry P. Donovan	Lab Number: GK02667	Analyzed: Nov 23, 1997
		Reported: Nov 25, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis 1,3-Dichloropropene	5.0	N.D.
trans 1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	13	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**20**
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**280**
Trichlorofluoromethane	13	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.
Total Xylenes	5.0	N.D.
Methyl tert-Butyl Ether		N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	101%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	102%

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Crown City Plating	Client Project ID: El Monte CA 91731	Sampled: Nov 14, 1997
4350 Temple City Boulevard		Received: Nov 14, 1997
El Monte, CA 91731	Sample Descript: Water, Production Well Water	Extracted: Nov 18, 1997
Attention: Larry P. Donovan	Lab Number: GK02668	Analyzed: Nov 18, 1997
		Reported: Nov 25, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**2.7**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	100%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	103%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Crown City Plating	Client Project ID: El Monte CA 91731	Sampled: Nov 14, 1997
4350 Temple City Boulevard		Received: Nov 14, 1997
El Monte, CA 91731	Sample Descript: Water	Extracted: Nov 14, 1997
Attention: Larry P. Donovan	First Sample #: GK02665	Analyzed: Nov 14, 1997
		Reported: Nov 25, 1997

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Reporting Limit NTU	Sample Result NTU
GK02665	Well Water E-1	1.0	2.5
GK02666	Well Water E-2	1.0	3.1
GK02667	Well Water E-3	1.0	9.6
GK02668	Production Well Water	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Boulevard
El Monte, CA 91731
Attention: Larry P. Donovan

Client Project ID: El Monte CA 91731

Sample Descript: Water
First Sample #: GK02665

Sampled: Nov 14, 1997
Received: Nov 14, 1997
Extracted: Nov 14, 1997
Analyzed: Nov 14, 1997
Reported: Nov 25, 1997

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result pH units
GK02665	Well Water E-1	7.4
GK02666	Well Water E-2	7.3
GK02667	Well Water E-3	7.2
GK02668	Production Well Water	7.5

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Boulevard
El Monte, CA 91731
Attention: Larry P. Donovan

Method Blank

Extracted: Nov 18, 1997
Analyzed: Nov 18, 1997
Reported: Nov 21, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	101%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	106%

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Crown City Plating
4350 Temple City Boulevard
El Monte, CA 91731
Attention: Larry P. Donovan

Method Blank

Extracted: Nov 23, 1997
Analyzed: Nov 23, 1997
Reported: Nov 25, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether		N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	103%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	88%

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MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 11/23/97

SAMPLE #: GK03077

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0.10	50	50	54	100%	108%	7.7%	104%
Chlorobenzene	0	50	47	49	94%	98%	4.2%	96%
1,1-Dichloroethane	0.20	50	44	49	88%	98%	11%	93%
1,2-Dichlororethane	0	50	43	47	86%	94%	8.9%	90%
1,1-Dichloroethene	0	50	45	47	90%	94%	4.3%	92%
Chloroform	3.2	50	47	50	88%	94%	6.2%	91%
Tetrachloroethene	0	50	42	44	84%	88%	4.7%	86%
Toluene	0	50	47	47	94%	94%	0.0%	94%
Trichloroethene	0	50	47	50	94%	100%	6.2%	97%
Vinyl Chloride	0	50	51	50	102%	100%	2.0%	101%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled:	Sep 5, 1997
4350 Temple City Blvd.		Received:	Sep 5, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted:	Sep 10, 1997
Attention: L.P. Donovan	Lab Number: GI00622	Analyzed:	Sep 10, 1997
		Reported:	Sep 19, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	200	N.D.
Benzene	40	N.D.
Bromodichloromethane	40	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	200	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	40	N.D.
Chlorodibromomethane	40	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	200	N.D.
Chloroform	40	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	40	N.D.
1,2-Dichloroethane	40	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	40	N.D.
trans-1,2-Dichloroethene	40	N.D.
1,2-Dichloropropane	40	N.D.
cis-1,3-Dichloropropene	40	N.D.
trans-1,3-Dichloropropene	40	N.D.
Ethylbenzene	40	N.D.
2-Hexanone	200	N.D.
Methylene chloride	400	N.D.
4-Methyl-2-pentanone	100	N.D.
Styrene	40	N.D.
1,1,2,2-Tetrachloroethane	40	N.D.
Tetrachloroethene	**40**	**120**
Toluene	40	N.D.
1,1,1-Trichloroethane	40	N.D.
1,1,2-Trichloroethane	40	N.D.
Trichloroethene	**40**	**3,600**
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	40	N.D.
Methyl tert-Butyl Ether	100	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	92%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	90%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Sep 5, 1997
4350 Temple City Blvd.		Received: Sep 5, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted: Sep 9-16, 1997
Attention: L.P. Donovan	Lab Number: GI00622	Analyzed: Sep 9-18, 1997
		Reported: Sep 19, 1997

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Aluminum	EPA 6010	0.050	N.D.
Arsenic	EPA 6010	0.0050	N.D.
Barium	EPA 6010	0.010	0.045
Cadmium	EPA 6010	0.0020	N.D.
Calcium	EPA 6010	1.0	140
Chromium	EPA 7191	0.050	0.19
Copper	EPA 6010	0.010	0.030
Iron	EPA 6010	0.020	0.20
Magnesium	EPA 6010	0.20	46
Manganese	EPA 6010	0.020	N.D.
Mercury	EPA 7470	0.00020	N.D.
Potassium	EPA 6010	0.50	3.3
Selenium	EPA 7740	0.010	N.D.
Silver	EPA 6010	0.010	N.D.
Sodium	EPA 6010	5.0	29
Zinc	EPA 6010	0.020	0.025

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Sep 5, 1997
4350 Temple City Blvd.		Received: Sep 5, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted: Sep 16, 1997
Attention: L.P. Donovan	Lab Number: GI00622	Analyzed: Sep 16, 1997
		Reported: Sep 19, 1997

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Lead	EPA 7421	0.0050	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1169)

Jim Hatfield
Project Manager

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Sep 5, 1997
4350 Temple City Blvd.		Received: Sep 5, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted: Sep 5-12, 1997
Attention: L.P. Donovan	Lab Number: GI00622	Analyzed: Sep 5-12, 1997
		Reported: Sep 19, 1997

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	EPA 310.1	1.0	350
Chloride	EPA 300	5.0	55
Color (color units)	EPA 110.2	1.0	5.0
Fluoride	EPA 300	0.50	N.D.
Hardness	SM 2340B	10	540
Nitrate-NO3	EPA 300	5.0	120
Odor (threshold units)	EPA 140.1	1.0	N.D.
pH (pH units)	EPA 150.1	N.A.	7.3
Specific Conductance (µmhos/cm)	EPA 120.1	1.0	1,000
Sulfate	EPA 300	5.0	88
Surfactants	EPA 425.1	0.10	N.D.
Total Alkalinity	EPA 310.1	1.0	360
Total Dissolved Solids	EPA 160.1	5.0	550
Turbidity (NTU)	EPA 180.1	1.0	3.1

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Sep 10, 1997
Analyzed: Sep 10, 1997
Reported: Sep 19, 1997
Matrix: Water

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	87%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	96%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Sep 9-16, 1997
Analyzed: Sep 9-18, 1997
Reported: Sep 19, 1997
Matrix: Water

LABORATORY ANALYSIS

Analyte	EPA Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Aluminum	EPA 6010	0.050	N.D.
Arsenic	EPA 6010	0.0050	N.D.
Barium	EPA 6010	0.0050	N.D.
Cadmium	EPA 6010	0.0020	N.D.
Calcium	EPA 6010	0.10	N.D.
Chromium	EPA 7191	0.0050	N.D.
Copper	EPA 6010	0.0050	N.D.
Iron	EPA 6010	0.020	N.D.
Magnesium	EPA 6010	0.020	N.D.
Manganese	EPA 6010	0.020	N.D.
Mercury	EPA 7470	0.0020	N.D.
Potassium	EPA 6010	0.50	N.D.
Selenium	EPA 7740	0.0050	N.D.
Silver	EPA 6010	0.0050	N.D.
Sodium	EPA 6010	0.50	N.D.
Zinc	EPA 6010	0.0050	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Sep 16, 1997
Analyzed: Sep 16, 1997
Reported: Sep 19, 1997
Matrix: Water

LABORATORY ANALYSIS

Analyte	EPA Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Lead	EPA 7421	0.0050	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1169)

Jim Hatfield
Project Manager

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: AA
Matrix: Water

DATE: 9/16/97

SAMPLE #: C7090706

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Lead	0	0.03	0.031	0.032	103%	107%	3.2%	105%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... ..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; (MS-R1) / SP X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: AA
Matrix: Water

DATE: 9/18/97

SAMPLE #: GI00622

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Chromium	5.0	50	57	57	104%	104%	0.0%	104%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... ..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; (MS-R1) / SP X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: AA
Matrix: Water

DATE: 9/17/97

SAMPLE #: GI00622

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Selenium	0	50	53	51	106%	102%	3.8%	104%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... ..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; (MS-R1) / SP X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: Water

DATE: 9/12/97

SAMPLE #: GI001590

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Sodium	4182	5000	9487	9058	106%	98%	4.6%	102%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: Water

DATE: 9/9/97

SAMPLE #: GI00622

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	21	1000	1014	1018	99%	100%	0.39%	100%
Arsenic	0	1000	1064	1067	106%	107%	0.28%	107%
Barium	45	1000	1006	1003	96%	96%	0.30%	96%
Beryllium	0	1000	1014	1010	101%	101%	0.40%	101%
Cadmium	0.0	1000	914	916	91%	92%	0.22%	92%
Chromium	176	1000	1190	1197	101%	102%	0.59%	102%
Cobalt	37	1000	947	953	91%	92%	0.63%	91%
Copper	30	1000	871	887	84%	86%	1.8%	85%
Lead	18	1000	917	923	90%	91%	0.65%	90%
Manganese	17	1000	965	963	95%	95%	0.21%	95%
Molybdenum	0	1000	1015	1020	102%	102%	0.49%	102%
Nickel	6.7	1000	878	882	87%	88%	0.45%	87%
Selenium	0	1000	953	965	95%	97%	1.3%	96%
Silver	0	200	112	114	56%	57%	1.8%	57%
Thallium	0	1000	910	918	91%	92%	0.88%	91%
Vanadium	0	1000	1023	1020	102%	102%	0.29%	102%
Zinc	25	1000	977	978	95%	95%	0.10%	95%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: Water

DATE: 9/9/97

SAMPLE #: GI00622

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Aluminum	0	1000	0	23	0%	2%	200%	1%
Iron	204	1000	1125	1117	92%	91%	0.71%	92%
Potassium	3281	1000	2957	2949	0%	0%	0.27%	0%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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LABORATORY CONTROL SAMPLE

EPA METHOD 6010

DATE: 9/9/97

Analyte	St	R1	PR
	ppb	ppb	%
Silver	200	205	103%

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

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LABORATORY CONTROL SAMPLE

EPA METHOD 6010

DATE: 9/12/97

Analyte	St	R1	PR
	ppb	ppb	%
Calcium	1000	1035	104%
Magnesium	1000	1027	103%

Definition of Terms:

St. . . . . . **Standard Concentration**

R1 . . . . . **Standard Result**

PR . . . . . **Percent Recovery of R1; (R1 / St) X 100**

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LABORATORY CONTROL SAMPLE

EPA METHOD 6010

DATE: 9/9/97

Analyte	St	R1	PR
	ppb	ppb	%
Aluminum	1000	989	99%
Iron	1000	918	92%
Potassium	10000	10460	105%

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

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MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 9/10/97

SAMPLE #: GI00622

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0.20	50	48	48	96%	96%	0.0%	96%
Chlorobenzene	0	50	51	51	102%	102%	0.0%	102%
1,1-Dichloroethane	0	50	51	52	102%	104%	1.9%	103%
1,2-Dichlororethane	0	50	49	52	98%	104%	5.9%	101%
1,1-Dichloroethene	0.70	50	54	55	107%	109%	1.8%	108%
Chloroform	0.10	50	48	47	96%	94%	2.1%	95%
Tetrachloroethene	5.9	50	53	55	94%	98%	3.7%	96%
Toluene	0	50	48	51	96%	102%	6.1%	99%
Trichloroethene	178	50	224	232	92%	108%	3.5%	100%
Vinyl Chloride	0	50	63	63	126%	126%	0.0%	126%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **SM 5540C**
Matrix: Water

DATE: 9/5/97

SAMPLE #: GI00662

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Surfactants (MBAS)	0	0.50	0.50	0.50	100%	100%	0.0%	100%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **300**
Instrument: IC
Matrix: Water

DATE: 9/5/97

SAMPLE #: GI00277

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Chloride	0.65	1.5	1.8	1.8	77%	77%	0.0%	77%
Nitrate	2.7	5.0	6.2	6.3	70%	72%	1.6%	71%
Orthophosphate	0	7.5	8.4	8.5	112%	113%	1.2%	113%
Sulfate	3.0	7.5	8.5	8.6	73%	75%	1.2%	74%

R1..... ..... Result of Sample Analysis

Sp..... ..... Spike Concentration Added to Sample

MS..... ..... Matrix Spike Result

MSD..... ..... Matrix Spike Duplicate Result

PR1..... ..... Percent Recovery of MS; (MS-R1) / SP X 100

PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

LABORATORY CONTROL SAMPLE

EPA METHOD 300

DATE: 9/5/97

Analyte	St	R1	PR
	ppm	ppm	%
Chloride	3.0	3.0	100%
Nitrate	10	10	100%
Orthophosphate	15	15	100%
Sulfate	15	15	100%

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA METHOD: **300**
Instrument: IC
Matrix: Water

DATE: 9/10/97

SAMPLE #: GI00622

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Fluoride	0	1.0	1.0	1.1	100%	110%	9.5%	105%
Chloride	5.4	1.5	6.7	7.0	87%	107%	4.4%	97%

R1..... ..... Result of Sample Analysis

Sp..... ..... Spike Concentration Added to Sample

MS..... ..... Matrix Spike Result

MSD..... ..... Matrix Spike Duplicate Result

PR1..... ..... Percent Recovery of MS; (MS-R1) / SP X 100

PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA METHOD: **7470**
Matrix: Water

DATE: 9/10/97

SAMPLE #: GI00622

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0	8.0	8.8	8.6	110%	108%	2.3%	109%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

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Del Mar Analytical
2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address:
Crown City Plating Co.
4350 Temple City Blvd.
El Monte, CA 91731

Project/PO Number:

Project Manager/Phone Number:
Larry P. Donovan
(818) 444-9291

Sampler:
F. Bundang

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Surfactants EPA 425	Total Dissolved Solids EPA 160.1	Turbidity (NTU) EPA 180.1	Lead EPA 7421	Mercury EPA 7470	Selenium EPA 7740	Organics EPA 624	MTBE EPA 624	Chloride, Flouride, Nitrate(N03), Sulfate EPA 300	Special Instructions
Same sample (see page 1)						x	x	x-	x	x	x	x	x	x	

Relinquished By:	Date /Time:	Received by:	Date /Time:
Filomena Bundang	9/05/97 10:20 A.M.	L. DeLacy	9/5/97 10:30 AM
L. DeLacy	9/5/97 4:30 PM		
		Received in Lab by: W. Dilly	9-5-97 4:30

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact Y on ice Y

Note: Sample(s) will be disposed of after 30 days.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address:
Crown City Plating Co.
4350 Temple City Blvd.
El Monte, CA 91731

Project/PO Number:

Project Manager:
Larry P. Donovan

Phone Number:
(818) 444-9291

Sampler:
F. Bundang

Fax Number:
(818) 448-6915

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Alkalinity EPA 310.1	Bicarb.Alkalinity EPA 310.1	Chromium EPA 7191	Color(color units) EPA 110.2	Hardness EPA SM2340B	pH9 (pH units) EPA 150.1	Odor (threshold units) EPA 140.1	Specific Conductance (umhos/cm) EPA 120.1	Al, Fe, Mg, Mn, K, Na, Ba, Cd, Cu, Ag, Zn, Arsenic EPA 6010	Special Instructions
Well Water E-2	water	var	7	9/05/97 8:50 AM	var	x	x	x	x	x	x	x	x	x	

Relinquished By:	Date /Time:	Received by:	Date /Time:
Filomena Bundag	9/05/97 10:30 AM	L. DeLacy	9/5/97 10:30 AM
L. DeLacy	9/5/97 4:30 PM		
		Received in Lab by: [signature]	9-5-97 4:30 pm

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES, INC.

4203 West Swift ▼ Fresno, California 93722 ▼ Phone 209.275-2175 ▼ Fax 209.275-4422

August 23, 1997

Del Mar Analytical
2852 Alton Ave.
Irvine, California 92606
Attn: Jim Hatfield

ARF #: 25777

Dear Mr. Hatfield:

Four water samples for Project Number 'Crown City Plating Co.' were received August 19, 1997, in good condition. Written results are being provided on this August 23, 1997, for the analyses requested. All holding times were met. No unusual problems or complications were encountered with this sample set.

Sample Table

Client ID	APPL ID	Date Sampled
Well Water E-1	54412W	08/15/97
Well Water E-2	54413W	08/15/97
Well Water E-3	54414W	08/15/97
Production Well	54415W	08/15/97

If you have any questions or require further information, please contact us at your convenience. Thank you for choosing APPL, Inc.

Sincerely,

Mike Ray, Laboratory Director
APPL, Inc.

MR/mr
Enclosure
cc: File

1,4-Dioxane

Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92714

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Jim Hatfield

Sample ID: WELL WATER E-1
Sample Collection Date: 8/15/97

APPL ID: AP54412
ARF: 25777

Method	Analyte	Result	PQL	Units	Extraction Date	Analysis Date
EPA 8260	1,4-dioxane	11	10	ug/L	8/20/98	8/20/97
EPA 8260	Surrogate: 4-Bromofluorobenze	73.8 #	86-115	%	8/20/98	8/20/97
EPA 8260	Surrogate: 1,2-DCA D4	86.6	76-114	%	8/20/98	8/20/97
EPA 8260	Surrogate: Toluene D8	99.6	88-110	%	8/20/98	8/20/97

Run #: 081904
Instrument: Chico
Sequence: C081997
Initials: mL

Printed: 8/21/97 4:40:32 PM

1,4-Dioxane

Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92714

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Jim Hatfield

Sample ID: WELL WATER E-2
Sample Collection Date: 8/15/97

APPL ID: AP54413
ARF: 25777

Method	Analyte	Result	PQL	Units	Extraction Date	Analysis Date
EPA 8260	1,4-dioxane	25	10	ug/L	8/20/97	8/20/97
EPA 8260	Surrogate: 4-Bromofluorobenze	97.3	86-115	%	8/20/97	8/20/97
EPA 8260	Surrogate: 1,2-DCA D4	103	76-114	%	8/20/97	8/20/97
EPA 8260	Surrogate: Toluene D8	96.6	88-110	%	8/20/97	8/20/97

Run #: 0819C15
Instrument: Chico
Sequence: C081997
Initials: mk

Printed: 8/21/97 4:40:32 PM

1,4-Dioxane

Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92714

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Jim Hatfield

Sample ID: WELL WATER E-3
Sample Collection Date: 8/15/97

APPL ID: AP54414
ARF: 25777

Method	Analyte	Result	PQL	Units	Extraction Date	Analysis Date
EPA 8260	1,4-dioxane	15	10	ug/L	8/20/97	8/20/97
EPA 8260	Surrogate: 4-Bromofluorobenze	91.1	86-115	%	8/20/97	8/20/97
EPA 8260	Surrogate: 1,2-DCA D4	99.9	76-114	%	8/20/97	8/20/97
EPA 8260	Surrogate: Toluene D8	97.1	88-110	%	8/20/97	8/20/97

Run #: 0819C16
Instrument: Chico
Sequence: C081997
Initials: mc

Printed: 8/21/97 4:40:33 PM

1,4-Dioxane

Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92714

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Jim Hatfield

Sample ID: PRODUCTION WELL
Sample Collection Date: 8/15/97

APPL ID: AP54415
ARF: 25777

Method	Analyte	Result	PQL	Units	Extraction Date	Analysis Date
EPA 8260	1,4-dioxane	Not detected	10	ug/L	8/20/97	8/20/97
EPA 8260	Surrogate: 4-Bromofluorobenze	71.6 #	86-115	%	8/20/97	8/20/97
EPA 8260	Surrogate: 1,2-DCA D4	87.7	76-114	%	8/20/97	8/20/97
EPA 8260	Surrogate: Toluene D8	101	88-110	%	8/20/97	8/20/97

Run #: 0819P17
Instrument: Pnico
Sequence: C081997
Initials: MC

Printed: 8/21/97 4:40:34 PM

1,4-Dioxane

Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92714

Attn: Jim Hatfield

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Blank Name/QCG: **970820-4356**
Batch ID: $826WD-082097
ARF: 25777

Sample Type	Method	Analyte	Result	PQL	Units	Extraction Date	Analysis Date
BLANK	EPA 8260	1,4-dioxane	Not detected	10	ug/L	08/20/97	08/20/97
BLANK	EPA 8260	Surrogate: 4-Bromofluoro	72.5 #	86-115	%	08/20/97	08/20/97
BLANK	EPA 8260	Surrogate: 1,2-DCA D4	85.3	76-114	%	08/20/97	08/20/97
BLANK	EPA 8260	Surrogate: Toluene D8	102	88-10	%	08/20/97	08/20/97

Run #: 089003
Instrument: ~~Harvey~~ Chico
Sequence: C081997
Initials: MA

Printed: 8/21/97 4:40:42 PM

Laboratory Control Spike Recoveries
METHOD 8260

APPL, Inc.
4203 West Swift Avenue
Fresno, CA 93722

APPL Sample #: 081997W LCS/LCSD
Date/Initials: 8/21/97 MK
Extraction Date: 8/19/97
Matrix Type: Water

Compound Names Limits ( )	SPK Level µg/L	SPK µg/L	SPK% Recovery	DUP µg/L	DUP% Recovery	%RPD	RPD Limits
VOLATILE SPIKE COMPOUNDS							
1,4-Dioxane	100.00	86.24	86.2%	85.01	85.0%	1.4%	NE

Surrogate Limits ( )	Spike Level µg/L	SPK µg/L	SPK% Recovery	DUP µg/L	DUP% Recovery
1,2-Dichloroethane-d4 (76-114)	10.0	9.17	92%	9.22	92.2%
Toluene-d8 (88-110)	10.0	9.38	94%	10.00	100%
Bromofluorobenzene (86-115)	10.0	10.16	102%	9.64	96.4%

	LCS	LCSD	
Analysis Date:	8/19/97	8/19/97	Comments:
Analysis Time:	2:19 PM	2:54 PM	
Instrument:	Chico	Chico	
Column:	RTX-Vol	RTX-Vol	
Sample/Vial#	0819C04	0819C04	
Extraction Ratio	5ml	5ml	
Dilution Factor:	NONE	NONE	

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Larry P. Donovan

Method Blank

Extracted: Aug 20, 1997
Analyzed: Aug 20, 1997
Reported: Aug 28, 1997
Matrix: Water

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	97%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	92%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 8/19/97

SAMPLE #: GH01978

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	50	57	60	114%	120%	5.1%	117%
Chlorobenzene	0	50	52	55	104%	110%	5.6%	107%
1,1-Dichloroethane	0	50	54	58	108%	116%	7.1%	112%
1,2-Dichlororethane	0	50	58	62	116%	124%	6.7%	120%
1,1-Dichloroethene	0	50	56	64	112%	128%	13%	120%
Chloroform	0	50	51	55	102%	110%	7.5%	106%
Tetrachloroethene	0	50	50	52	100%	104%	3.9%	102%
Toluene	0	50	53	57	106%	114%	7.3%	110%
Trichloroethene	0	50	49	52	98%	104%	5.9%	101%
Vinyl Chloride	0	50	50	55	100%	110%	9.5%	105%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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Del Mar Analytical

Del Mar Analytical

AP, C

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: Crown City Plating Co. 4350 Temple City Blvd. El Monte CA 91731

Project/PO Number: Crown City Plating Co.

Project Manager: Larry P. Donavan

Phone Number:

Sampler:

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Perchlorate by 300m	Dioxane by 8260							Special Instructions
Well Water E-1	W	voa + poly	3	8/15/97		X	X							GH01965
Well Water E-2	↓	↓	↓	↓		X	X							GH01966
Well Water E-3						X	X							GH01967
Production Well						X	X							GH01968
														Please Fax Results ASAP
														Please Send Report to
														Del Mar Analytical
														2852 Alton A
														Irvine, CA 92606
														ATTN: Jim Hatfield
														due 8/28

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (Check)	
[signature]	8/18/97			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by: Fed Express	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal ____
Relinquished By: Fed Express	Date /Time:	Received in Lab by: [signature]	Date /Time: 8-19-97 10:15	Sample Integrity: (Check) intact & Chilled	on ice ____

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

13 October, 1997

Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731

Attention: Ms. Filamena Bundang

Subject: Revised Results - Perchlorate
Sample ID: Well Water E-3, collected 8-15-97
Lab ID: GH01967

Dear Ms. Bundang:

The perchlorate results reported for the set of samples above were reported in mg/L in error. The units should have been ppb or ug/L. Enclosed are the revised results. I apologize for this error and any inconvenience it may have caused. Please call me if you have any questions.

Sincerely Yours,

DEL MAR ANALYTICAL

Jim Hatfield
Project Manager

Celebrating 10 years of service

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Aug 15, 1997
4350 Temple City Blvd.		Received: Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-1	Extracted: Aug 19, 1997
Attention: Larry P. Donovan	Lab Number: GH01965	Analyzed: Aug 19, 1997
		Reported: Aug 28, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	100	N.D.
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	100	N.D.
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
2-Chloroethyl vinyl ether	100	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	200	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**68**
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**620**
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	50	N.D.
Total Xylenes	20	N.D.
Methyl tert-Butyl Ether	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	106%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	90%

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Aug 15, 1997
4350 Temple City Blvd.		Received: Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-2	Extracted: Aug 19, 1997
Attention: Larry P. Donovan	Lab Number: GH01966	Analyzed: Aug 19, 1997
		Reported: Aug 28, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	250	N.D.
Benzene	50	N.D.
Bromodichloromethane	50	N.D.
Bromoform	130	N.D.
Bromomethane	130	N.D.
2-Butanone	250	N.D.
Carbon disulfide	130	N.D.
Carbon tetrachloride	130	N.D.
Chlorobenzene	50	N.D.
Chlorodibromomethane	50	N.D.
Chloroethane	130	N.D.
2-Chloroethyl vinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	130	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	130	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Ethylbenzene	50	N.D.
2-Hexanone	250	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	130	N.D.
Styrene	50	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
Toluene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**1,200**
Trichlorofluoromethane	130	N.D.
Vinyl acetate	130	N.D.
Vinyl chloride	130	N.D.
Total Xylenes	50	N.D.
Methyl tert-Butyl Ether	130	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 25.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	109%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	95%

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2465 W. 12th St., Suite I, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Aug 15, 1997
4350 Temple City Blvd.		Received: Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water E-3	Extracted: Aug 19, 1997
Attention: Larry P. Donovan	Lab Number: GH01967	Analyzed: Aug 19, 1997
		Reported: Aug 28, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
2-Chloroethyl vinyl ether	50	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	100	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**17**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**240**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	108%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	97%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Aug 15, 1997
4350 Temple City Blvd.		Received: Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water, Production Well	Extracted: Aug 19, 1997
Attention: Larry P. Donovan	Lab Number: GH01968	Analyzed: Aug 19, 1997
		Reported: Aug 28, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	107%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	94%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Aug 15, 1997
4350 Temple City Blvd.		Received: Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water, Final Effluent	Extracted: Aug 19, 1997
Attention: Larry P. Donovan	Lab Number: GH01969	Analyzed: Aug 19, 1997
		Reported: Aug 28, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**10**	**36**
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	**2.0**	**110**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**2.8**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**2.0**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	106%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	92%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled:	Aug 15, 1997
4350 Temple City Blvd.		Received:	Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water, Hermetic Seal Incoming Ground Water	Extracted:	Aug 20, 1997
Attention: Larry P. Donovan	Lab Number: GH01970	Analyzed:	Aug 20, 1997
		Reported:	Aug 28, 1997

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	100	N.D.
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	100	N.D.
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
2-Chloroethyl vinyl ether	100	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	200	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**650**
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**260**
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	50	N.D.
Total Xylenes	20	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	90%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Larry P. Donovan

Client Project ID: Crown City Plating Co.

Sample Descript: Water
First Sample #: GH01965

Sampled: Aug 15, 1997
Received: Aug 15, 1997
Extracted: Aug 15, 1997
Analyzed: Aug 15, 1997
Reported: Aug 28, 1997

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Reporting Limit NTU	Sample Result NTU
GH01965	Well Water E-1	1.0	6.0
GH01966	Well Water E-2	1.0	6.0
GH01967	Well Water E-3	1.0	15
GH01968	Production Well	1.0	N.D.
GH01970	Hermetic Seal Incoming Ground Water	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Larry P. Donovan

Client Project ID: Crown City Plating Co.

Sample Descript: Water
First Sample #: GH01965

Sampled: Aug 15, 1997
Received: Aug 15, 1997
Extracted: Aug 15, 1997
Analyzed: Aug 15, 1997
Reported: Aug 28, 1997

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result
GH01965	Well Water E-1	7.5
GH01966	Well Water E-2	7.4
GH01967	Well Water E-3	7.5
GH01968	Production Well	7.8
GH01969	Final Effluent	9.1
GH01970	Hermetic Seal Incoming Ground Water	7.5

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Celebrating 10 years of service

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Crown City Plating	Client Project ID: Crown City Plating Co.	Sampled: Aug 15, 1997
4350 Temple City Blvd.		Received: Aug 15, 1997
El Monte, CA 91731	Sample Descript: Water	Extracted: Aug 20, 1997
Attention: Larry P. Donovan	First Sample #: GH01965	Analyzed: Aug 20, 1997
		Revised: Oct 13, 1997

PERCHLORATE (EPA 300)

Laboratory Number	Sample Description	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
GH01965	Well Water E-1	4.0	N.D.
GH01966	Well Water E-2	4.0	N.D.
GH01967	Well Water E-3	4.0	4.3
GH01968	Production Well	4.0	N.D.

This analysis was performed at a subcontracted laboratory (ELAP #1312).

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Larry P. Donovan

Method Blank

Extracted: Aug 19, 1997
Analyzed: Aug 19, 1997
Reported: Aug 28, 1997
Matrix: Water

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	100%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	97%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Larry P. Donovan

Method Blank

Extracted: Aug 20, 1997
Analyzed: Aug 20, 1997
Reported: Aug 28, 1997
Matrix: Water

VOLATILE ORGANICS by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	20	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	97%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	92%

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CHAIN OF CUSTODY FORM

Client Name/Address:
Crown City Plating Co.
4350 Temple City Blvd.
El Monte, CA 91731

Project/PO Number:

Project Manager/Phone Number:
Larry P. Donovan
(818) 444-9291

Sampler:
F. Bundang

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	pH EPA 150.1	Turbidity EPA 180.1	Volatile EPA 624	MTBE EPA 624	Perchlorate EPA 300 M	Dioxane EPA 8260				Special Instructions
Well Water E-1	water	var	6	8/15/97 8:20	var	x	x	x	x	x	x				Refrigerate
Well Water E-2	water	var	6	8/15/97 9:40	var	x	x	x	x	x	x				Refrigerate
Well Water E-3	water	var	6	8/15/97 10:55	var	x	x	x	x	x	x				Refrigerate
Production Well	water	var	6	8/15/97 11:15	var	x	x	x	x	x	x				Refrigerate
Final Effluent	water	var	3	8/15/97 11:40	var	x		x							Refrigerate
Hermetic Seal Incoming ground water	water	var	3	8/15/97 11:30	var	x	x	x							Refrigerate

Relinquished By:	Date /Time:	Received by:	Date /Time:
Fiomena Bundang	8/15/97 12:35	Marcia Lemus	8-15-97 12:35
Marcia Lemus	8-15-97 2:32		
		Received in Lab by: [signature]	8-15-97 2:32

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: May 16, 1997
4350 Temple City Blvd.		Received: May 16, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water #1	Extracted: May 23, 1997
Attention: L.P. Donovan	Lab Number: GE02616	Analyzed: May 23, 1997
		Reported: May 29, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N.D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**70**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**480**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	95%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: May 16, 1997
4350 Temple City Blvd.		Received: May 16, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water #2	Extracted: May 23, 1997
Attention: L.P. Donovan	Lab Number: GE02617	Analyzed: May 23, 1997
		Reported: May 29, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	250	N.D.
2-Butanone	500	N.D.
Carbon disulfide	250	N.D.
Carbon tetrachloride	250	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	250	N.D.
2-Chloroethyl vinyl ether	100	N.D.
Chloroform	100	N.D.
Chloromethane	250	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	250	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans 1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis 1,3-Dichloropropene	100	N.D.
trans 1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	250	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	**100**	**1,900**
Trichlorofluoromethane	250	N.D.
Vinyl acetate	250	N.D.
Vinyl chloride	250	N.D.
Total Xylenes	100	N.D.
Methyl tert-Butyl Ether	250	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Celebrating 10 years of service

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	94%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: May 16, 1997
4350 Temple City Blvd.		Received: May 16, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water #3	Extracted: May 23, 1997
Attention: L.P. Donovan	Lab Number: GE02618	Analyzed: May 23, 1997
		Reported: May 29, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**17**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**190**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	98%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	94%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: May 16, 1997
4350 Temple City Blvd.		Received: May 16, 1997
El Monte, CA 91731	Sample Descript: Water, Production Well Water	Extracted: May 23, 1997
Attention: L.P. Donovan	Lab Number: GE02619	Analyzed: May 23, 1997
		Reported: May 29, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	97%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	93%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: May 16, 1997
4350 Temple City Blvd.		Received: May 16, 1997
El Monte, CA 91731	Sample Descript: Water, Final Effluent	Extracted: May 23, 1997
Attention: L.P. Donovan	Lab Number: GE02620	Analyzed: May 23, 1997
		Reported: May 29, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**10**	**44**
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	**2.0**	**28**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	100%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	93%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating	Client Project ID: Crown City Plating	Sampled: May 16, 1997
4350 Temple City Blvd.		Received: May 16, 1997
El Monte, CA 91731	Sample Descript: Water	Extracted: May 16, 1997
Attention: L.P. Donovan	First Sample #: GE02616	Analyzed: May 16, 1997
		Reported: May 29, 1997

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Reporting Limit NTU	Sample Result NTU
GE02616	Well Water #1	1.0	1.4
GE02617	Well Water #2	1.0	N.D.
GE02618	Well Water #3	1.0	7.5
GE02619	Production Well Water	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Client Project ID: Crown City Plating

Sample Descript: Water
First Sample #: GE02616

Sampled: May 16, 1997
Received: May 16, 1997
Extracted: May 16, 1997
Analyzed: May 16, 1997
Reported: May 29, 1997

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result
GE02616	Well Water #1	7.3
GE02617	Well Water #2	7.2
GE02618	Well Water #3	7.3
GE02619	Production Well Water	7.7
GE02620	Final Effluent	8.7

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: May 23, 1997
Analyzed: May 23, 1997
Reported: May 29, 1997
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	100%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	96%

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MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 5/23/97

SAMPLE #: GE02619

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	50	40	44	80%	88%	9.5%	84%
Chlorobenzene	0	50	43	47	86%	94%	8.9%	90%
1,1-Dichloroethane	0	50	42	43	84%	86%	2.4%	85%
1,2-Dichlororethane	0	50	42	46	84%	92%	9.1%	88%
1,1-Dichloroethene	0	50	39	40	78%	80%	2.5%	79%
Chloroform	0	50	42	44	84%	88%	4.7%	86%
Tetrachloroethene	0	50	43	45	86%	90%	4.5%	88%
Toluene	0	50	41	44	82%	88%	7.1%	85%
Trichloroethene	0	50	40	44	80%	88%	9.5%	84%
Vinyl Chloride	0	50	38	41	76%	82%	7.6%	79%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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CHAIN OF CUSTODY FORM

Client Name/Address: Crown City Plating Co.
4350 Temple City Blvd., El Monte, CA 91731

Project/PO Number:

Project Manager/Phone Number: Larry P. Donovan (818)444-9291

Sampler: F. Bundang

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	pH per EPA 150.1	Turbidity per EPA 180.1	Volatiles incl. MTBE per EPA 624							Special Instructions
Well Water #1	water	Various	3	5/16/97 8:51	✓	X	X	X							Refrigerate
Well Water #2	"	"	3	5/16/97 8:30	✓	X	X	X							Refrigerate
Well Water #3	"	"	3	5/16/97 9:20	✓	X	X	X							Refrigerate
Production Well Water	"	"	3	5/16/97 9:40	✓	X	X	X							Refrigerate
Final Effluent	"	"	3	5/16/97 9:25	✓	X		X							Refrigerate

Relinquished By:	Date /Time:	Received by:	Date /Time:
Filomena Bundang	11:10	Marca Lemus	5-16-97 11:10
Marca Lemus	5-16-97 3:37		
		Received in Lab by:	5/16/97 3:37

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Feb 14, 1997
4350 Temple City Blvd.		Received: Feb 14, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water #1	Extracted: Feb 26, 1997
Attention: L.P. Donovan	Lab Number: GB01735	Analyzed: Feb 26, 1997
		Reported: Feb 26, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	10	N.D.
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	10	N.D.
Chlorodibromomethane	10	N.D.
Chloroethane	25	N.D.
2-Chloroethyl vinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans 1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis 1,3-Dichloropropene	10	N D.
trans 1,3-Dichloropropene	10	N.D.
Ethylbenzene	10	N.D.
2-Hexanone	50	N.D.
Methylene chloride	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Styrene	10	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	**10**	**64**
Toluene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	**10**	**360**
Trichlorofluoromethane	25	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.
Total Xylenes	10	N.D.
Methyl tert-Butyl Ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	92%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	99%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Feb 14, 1997
4350 Temple City Blvd.		Received: Feb 14, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water #2	Extracted: Feb 26, 1997
Attention: L.P. Donovan	Lab Number: GB01736	Analyzed: Feb 26, 1997
		Reported: Feb 26, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	200	N.D.
Benzene	40	N.D.
Bromodichloromethane	40	N.D.
Bromoform	40	N.D.
Bromomethane	100	N.D.
2-Butanone	200	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	40	N.D.
Chlorodibromomethane	40	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	40	N.D.
Chloroform	40	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	40	N.D.
1,2-Dichloroethane	40	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	40	N.D.
trans 1,2-Dichloroethene	40	N.D.
1,2-Dichloropropane	40	N.D.
cis 1,3-Dichloropropene	40	N.D.
trans 1,3-Dichloropropene	40	N.D.
Ethylbenzene	40	N.D.
2-Hexanone	200	N.D.
Methylene chloride	200	N.D.
4-Methyl-2-pentanone	100	N.D.
Styrene	40	N.D.
1,1,2,2-Tetrachloroethane	40	N.D.
Tetrachloroethene	40	N.D.
Toluene	40	N.D.
1,1,1-Trichloroethane	40	N.D.
1,1,2-Trichloroethane	40	N.D.
Trichloroethene	**40**	**800**
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	40	N.D.
Methyl tert-Butyl Ether	100	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 20.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	93%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	101%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Feb 14, 1997
4350 Temple City Blvd.		Received: Feb 14, 1997
El Monte, CA 91731	Sample Descript: Water, Well Water #3	Extracted: Feb 25, 1997
Attention: L.P. Donovan	Lab Number: GB01737	Analyzed: Feb 25, 1997
		Reported: Feb 26, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	**2.0**	**13**
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	**2.0**	**120**
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	98%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Feb 14, 1997
4350 Temple City Blvd.		Received: Feb 14, 1997
El Monte, CA 91731	Sample Descript: Water, Production Well Water	Extracted: Feb 25, 1997
Attention: L.P. Donovan	Lab Number: GB01738	Analyzed: Feb 25, 1997
		Revised: Mar 5, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	98%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	99%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled:	Feb 14, 1997
4350 Temple City Blvd.		Received:	Feb 14, 1997
El Monte, CA 91731	Sample Descript: Water, Final Effluent	Extracted:	Feb 25, 1997
Attention: L.P. Donovan	Lab Number: GB01739	Analyzed:	Feb 25, 1997
		Revised:	Mar 5, 1997

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**10**	**130**
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	**10**	**10**
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	**2.0**	**49**
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans 1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis 1,3-Dichloropropene	2.0	N.D.
trans 1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.
Methyl tert-Butyl Ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	99%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	98%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Feb 14, 1997
4350 Temple City Blvd.		Received: Feb 14, 1997
El Monte, CA 91731	Sample Descript: Water	Extracted: Feb 14, 1997
Attention: L.P. Donovan	First Sample #: GB01735	Analyzed: Feb 14, 1997
		Revised: Mar 5, 1997

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Reporting Limit NTU	Sample Result NTU
GB01735	Well Water #1	1.0	3.0
GB01736	Well Water #2	1.0	14
GB01737	Well Water #3	1.0	7.3
GB01738	Production Well Water	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Client Project ID: Crown City Plating

Sample Descript: Water
First Sample #: GB01735

Sampled: Feb 14, 1997
Received: Feb 14, 1997
Extracted: Feb 14, 1997
Analyzed: Feb 14, 1997
Revised: Mar 5, 1997

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result
GB01735	Well Water #1	7.7
GB01736	Well Water #2	7.5
GB01737	Well Water #3	7.5
GB01738	Production Well Water	7.9
GB01739	Final Effluent Well Water	8.6

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Feb 25, 1997
Analyzed: Feb 25, 1997
Reported: Feb 26, 1997
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	102%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	95%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Feb 26, 1997
Analyzed: Feb 26, 1997
Reported: Feb 26, 1997
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Jim Hatfield
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	92%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	99%

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61352

CHAIN OF CUSTODY FORM

Client Name/Address: Crown City Plating Co.
4350 Temple City Blvd.
El. Monte, CA 91731

Project/PO Number:

Project Manager/Phone Number: Larry P. Donovan (818) 444-9291

Sampler: F. Bundang

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	pH per EPA 150.1	Turbidity EPA 180.1	Volatiles EPA 624							Special Instructions
Well Water(Well#1)	water	various	3	2/14/97 8:35AM	none	X	X	X							Refrigerate
Wellwater(well#2)	water	various	3	2/14/97 9:05AM	none	X	X	X							Refrigerate
Wellwater(well#3)	water	various	3	2/14/97 9:35AM	none	X	X	X							Refrigerate
incoming Wellwater	water	various	3	2/14/97 10:10AM	none	X	X	X							Refrigerate
Production Well Water per Filemena 3-5-97															
Final Effluent	water	various	3	2/14/97 10:20AM	none	X		X							Refrigerate

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	2/14/97 12:15	[signature]	2/14/97 12:15
Relinquished By: [signature]	Date /Time: 2/14/97 1:20 PM	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: [signature]	Date /Time: 2-14-97 1:20

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Oct 15, 1996
4350 Temple City Blvd.		Received: Oct 15, 1996
El Monte, CA 91731	Sample Descript: Water, Well Water: Well #1	Extracted: Oct 28, 1996
Attention: L.P. Donovan	Lab Number: FJ02286	Analyzed: Oct 28, 1996
		Reported: Oct 29, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	10	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	**5.0**	**12**
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**63**
1,1,1-Trichloroethane	**5.0**	**6.3**
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**340**
Trichlorofluoromethane	5.0	N.D.
Vinyl Chloride	10	N.D.
Benzene	5.0	N.D.
Ethylbenzene	5.0	N.D.
Toluene	5.0	N.D.
Total Xylenes	15	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
a,a,a-Trifluorotoluene	101%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled:	Oct 15, 1996
4350 Temple City Blvd.		Received:	Oct 15, 1996
El Monte, CA 91731	Sample Descript: Water, Well Water: Well #2	Extracted:	Oct 28, 1996
Attention: L.P. Donovan	Lab Number: FJ02287	Analyzed:	Oct 28, 1996
		Reported:	Oct 29, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	50	N.D.
Chloroethane	130	N.D.
2-Chloroethylvinyl ether	130	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	**25**	**54**
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	**25**	**1,300**
Trichlorofluoromethane	25	N.D.
Vinyl Chloride	50	N.D.
Benzene	25	N.D.
Ethylbenzene	25	N.D.
Toluene	25	N.D.
Total Xylenes	75	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
a,a,a-Trifluorotoluene	101%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled:	Oct 15, 1996
4350 Temple City Blvd.		Received:	Oct 15, 1996
El Monte, CA 91731	Sample Descript: Water, Well Water: Well #3	Extracted:	Oct 28, 1996
Attention: L.P. Donovan	Lab Number: FJ02288	Analyzed:	Oct 28, 1996
		Reported:	Oct 29, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	2.5	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	13	N.D.
2-Chloroethylvinyl ether	13	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	2.5	N.D.
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**16**
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	**2.5**	**160**
Trichlorofluoromethane	2.5	N.D.
Vinyl Chloride	5.0	N.D.
Benzene	2.5	N.D.
Ethylbenzene	2.5	N.D.
Toluene	2.5	N.D.
Total Xylenes	7.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
a,a,a-Trifluorotoluene	99%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Oct 15, 1996
4350 Temple City Blvd.		Received: Oct 15, 1996
El Monte, CA 91731	Sample Descript: Water, Incoming Well Water	Extracted: Oct 28, 1996
Attention: L.P. Donovan	Lab Number: FJ02289	Analyzed: Oct 28, 1996
		Reported: Oct 29, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

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

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
a,a,a-Trifluorotoluene	102%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Oct 28, 1996
Analyzed: Oct 28, 1996
Reported: Oct 29, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

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

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
a,a,a-Trifluorotoluene	111%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Oct 25, 1996
Analyzed: Oct 25, 1996
Reported: Oct 29, 1996
Matrix: Water

PURGEABLES by GC/MS (EPA 624)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.
Total Xylenes	2.0	N.D.

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

DEL MAR ANALYTICAL (ELAP #1197)

Nick Haring
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (76-114)	101%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	97%

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 10/28/96

Sample #: FJ02773

Batch #: FJ28111W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	10	10	10	104	104	0.27	104	≤10	85 - 109
Chloroform	0	10	12	11	118	109	8.1	113	≤25	70 - 130
1.1-Dichloroethane	0	10	9.2	9.0	92	90	2.1	91	≤10	85 - 109
[illegible]-Dichloroethane	0	10	11	10	108	103	4.7	105	≤10	83 - 111
1,1-Dichloroethene	0	10	8.4	8.3	84	83	1.7	84	≤11	75 - 119
Tetrachloroethene	0	10	10	10	105	104	0.76	104	≤12	83 - 111
Toluene	0	10	10	10	104	104	0.48	104	≤10	85 - 109
Trichloroethene	0	10	10	9.7	100	97	3.4	98	≤13	85 - 109

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA METHOD: 624
Matrix: Water

DATE: 10/25/96

SAMPLE #: FJ03031

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0.10	50	43	43	86%	86%	0.0%	86%
Chlorobenzene	0	50	47	49	94%	98%	4.2%	96%
1,1-Dichloroethane	0.10	50	39	42	78%	84%	7.4%	81%
1,2-Dichlororethane	0	50	46	49	92%	98%	6.3%	95%
1,1-Dichloroethene	0	50	38	40	76%	80%	5.1%	78%
Chloroform	0	50	40	43	80%	86%	7.2%	83%
Tetrachloroethene	0	50	45	47	90%	94%	4.3%	92%
Toluene	0.90	50	50	46	98%	90%	8.3%	94%
Trichloroethene	0	50	41	43	82%	86%	4.8%	84%
Vinyl Chloride	0	50	36	40	72%	80%	10.5%	76%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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61344

CHAIN OF CUSTODY FORM

Client Name/Address: CROWN CITY PLATING CO. 4350 TEMPLE CITY BLVD EL MONTE CA 91731

Project/PO Number: LARRY P. DONOVAN

Project Manager/Phone Number: (818) 444-9291

Sampler: F. BUNDANG

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EPA 8010 8020	EPA 624								Special Instructions
WELL WATER WELL #1			3	10/15/96 9:20AM	NONE	X									
WELL WATER WELL # 2			3	10/15/96 9:50AM	None	X									
WELL WATER WELL # 3			3	10/15/96 10:20AM	None	X									
INCOMING WELL WATER			3	10/15/96 10:35AM	None	X									
EFFLUENT WASTE WATER			3	10/15/96 11.00AM	None		X								

Relinquished By:	Date /Time:	Received by:	Date /Time:
Filomena Bundang	10/15/96 1425	[signature]	10 15 96 1425
[signature]	10 15 96 1630		
		Received in Lab by: [signature]	10/15/96 1636

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Aug 27, 1996
4350 Temple City Blvd.		Received: Aug 28, 1996
El Monte, CA 91731	Sample Descript: Water, Well E-1	Extracted: Sep 3, 1996
Attention: Kristina Luu	Lab Number: FH03797	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	10	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	**5.0**	**12**
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**57**
1,1,1-Trichloroethane	**5.0**	**6.1**
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**320**
Trichlorofluoromethane	5.0	N.D.
Vinyl Chloride	10	N.D.
Benzene	5.0	N.D.
Ethylbenzene	5.0	N.D.
Toluene	5.0	N.D.
Total Xylenes	15	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
a,a,a-Trifluorotoluene	105%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Aug 27, 1996
4350 Temple City Blvd.		Received: Aug 28, 1996
El Monte, CA 91731	Sample Descript: Water, Well E-2	Extracted: Sep 3, 1996
Attention: Kristina Luu	Lab Number: FH03798	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	50	N.D.
Chloroethane	130	N.D.
2-Chloroethylvinyl ether	130	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	**25**	**37**
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	**25**	**900**
Trichlorofluoromethane	25	N.D.
Vinyl Chloride	50	N.D.
Benzene	25	N.D.
Ethylbenzene	25	N.D.
Toluene	25	N.D.
Total Xylenes	75	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell
Valerie Brunell
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
a,a,a-Trifluorotoluene	116%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Aug 27, 1996
4350 Temple City Blvd.		Received: Aug 28, 1996
El Monte, CA 91731	Sample Descript: Water, Well E-3	Extracted: Sep 3, 1996
Attention: Kristina Luu	Lab Number: FH03799	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	2.5	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	13	N.D.
2-Chloroethylvinyl ether	13	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	2.5	N.D.
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**11**
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	**2.5**	**150**
Trichlorofluoromethane	2.5	N.D.
Vinyl Chloride	5.0	N.D.
Benzene	2.5	N.D.
Ethylbenzene	2.5	N.D.
Toluene	2.5	N.D.
Total Xylenes	7.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell

Valerie Brunell
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	93%
a,a,a-Trifluorotoluene	115%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Aug 27, 1996
4350 Temple City Blvd.		Received: Aug 28, 1996
El Monte, CA 91731	Sample Descript: Water, Production Well	Extracted: Sep 3, 1996
Attention: Kristina Luu	Lab Number: FH03800	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

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

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
a,a,a-Trifluorotoluene	115%

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Kristina Luu

Client Project ID: Crown City Plating

Sample Descript: Water
First Sample #: FH03797

Sampled: Aug 27, 1996
Received: Aug 28, 1996
Extracted: Aug 28, 1996
Analyzed: Aug 28, 1996
Reported: Sep 4, 1996

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result
FH03797	Well E-1	7.2
FH03798	Well E-2	7.3
FH03799	Well E-3	7.3
FH03800	Production Well	7.8

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell
Valerie Brunell
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Kristina Luu

Client Project ID: Crown City Plating

Sample Descript: Water
First Sample #: FH03797

Sampled: Aug 27, 1996
Received: Aug 28, 1996
Extracted: Aug 29, 1996
Analyzed: Aug 29, 1996
Reported: Sep 4, 1996

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Detection Limit NTU	Sample Result NTU
FH03797	Well E-1	1.0	12
FH03798	Well E-2	1.0	8.7
FH03799	Well E-3	1.0	4.4
FH03800	Production Well	1.0	N.D.

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

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: Kristina Luu

Method Blank

Extracted: Sep 3, 1996
Analyzed: Sep 3, 1996
Reported: Sep 4, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

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

DEL MAR ANALYTICAL (ELAP #1197)

Valerie Brunell
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
a,a,a-Trifluorotoluene	116%

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 09/03/96

Sample #: FH03476

Batch #: FI03101W

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	10	12	12	119	121	1.4	120 *	≤10	83 - 113
Chloroform	0	10	9.3	9.5	93	95	2.1	94	≤15	82 - 114
1,1-Dichloroethane	0	10	9.7	9.9	97	99	2.3	98	≤19	79 - 117
1,2-Dichloroethane	0	10	9.6	10	96	100	4.2	98	≤13	81 - 115
1,1-Dichloroethene	0	10	8.2	8.6	82	86	4.0	84	≤15	70 - 128
Tetrachloroethene	0.015	10	9.2	9.5	92	94	2.7	93	≤11	80 - 116
Toluene	0.67	10	12	12	110	113	2.1	112	≤10	70 - 127
Trichloroethene	0.13	10	9.8	9.7	97	96	1.1	96	≤11	76 - 120

* QC results are not within acceptance limits
When applicable, see corrective action report

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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46365

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Client Name/Address:
CROWN CITY PLATING CO
4350 TEMPLE CITY BLVD
EL MONTE CA 91731

Project:

Project Manager:
Kristina Luu

Sampler:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	EPA 8010 150ml	Turbidity	pH						Special Instructions
Well E-1	water	Glass	2	8-27-96 10:46 AM	Refrigeration	✓	✓	✓						
well E-2	water	Glass	2	8-27-96 11:11 AM	"	✓	✓	✓						
well E-3	water	Glass	2	8-27-96 11:21 AM	"	✓	✓	✓						
production well	water	Glass	2	8-27-96 11:42 AM	"	✓	✓	✓						

Relinquished By:	Date/Time:	Received By:	Date/Time:
Kristina Luu	8-28-96 12:00 noon	[illegible]	8/28/96 1200
Relinquished By: [illegible]	Date/Time: 8/28 1:00	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By: [illegible]	Date/Time: 8-28-96 1:00

Note: Samples will be disposed of after 30 days.

Turnaround Time: (check)
same day ____ 72 hours ✓
24 hours ____ 5 days ____
48 hours ____ normal ____

Sample Integrity: (check)
intact ✓ on ice ✓

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Jan 17, 1996
4350 Temple City Blvd.		Received: Jan 18, 1996
El Monte, CA 91731	Sample Descript: Water, Well E-1	Extracted: Jan 18, 1996
Attention: L.P. Donovan	Lab Number: FA01992	Analyzed: Jan 18, 1996
		Reported: Jan 22, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	10	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	**5.0**	**7.7**
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**48**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**220**
Trichlorofluoromethane	5.0	N.D.
Vinyl Chloride	10	N.D.
Benzene	5.0	N.D.
Ethylbenzene	**5.0**	**6.6**
Toluene	5.0	N.D.
Total Xylenes	15	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
a,a,a-Trifluorotoluene	96%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Jan 17, 1996
4350 Temple City Blvd.		Received: Jan 18, 1996
El Monte, CA 91731	Sample Descript: Water, Well E-2	Extracted: Jan 18, 1996
Attention: L.P. Donovan	Lab Number: FA01993	Analyzed: Jan 18, 1996
		Reported: Jan 22, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	10	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**13**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**200**
Trichlorofluoromethane	5.0	N.D.
Vinyl Chloride	10	N.D.
Benzene	5.0	N.D.
Ethylbenzene	5.0	N.D.
Toluene	5.0	N.D.
Total Xylenes	15	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
a,a,a-Trifluorotoluene	97%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Jan 17, 1996
4350 Temple City Blvd.		Received: Jan 18, 1996
El Monte, CA 91731	Sample Descript: Water, Well E-3	Extracted: Jan 18, 1996
Attention: L.P. Donovan	Lab Number: FA01994	Analyzed: Jan 18, 1996
		Reported: Jan 22, 1996

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	2.5	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	13	N.D.
2-Chloroethylvinyl ether	13	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	2.5	N.D.
cis-1,2-Dichloroethene	2.5	N.D.
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**11**
1,1,1-Trichloroethane	2.5	N.D.
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	**2.5**	**66**
Trichlorofluoromethane	2.5	N.D.
Vinyl Chloride	5.0	N.D.
Benzene	2.5	N.D.
Ethylbenzene	2.5	N.D.
Toluene	2.5	N.D.
Total Xylenes	7.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
a,a,a-Trifluorotoluene	97%

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Crown City Plating	Client Project ID: Crown City Plating	Sampled: Jan 17, 1996
4350 Temple City Blvd.		Received: Jan 18, 1996
El Monte, CA 91731	Sample Descript: Water	Extracted: Jan 19, 1996
Attention: L.P. Donovan	First Sample #: FA01992	Analyzed: Jan 19, 1996
		Reported: Jan 22, 1996

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Detection Limit NTU	Sample Result NTU
FA01992	Well E-1	1.0	1.8
FA01993	Well E-2	1.0	N.D.
FA01994	Well E-3	1.0	20

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

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Jan 18, 1996
Analyzed: Jan 18, 1996
Reported: Jan 22, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES by GC (EPA 5030/8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

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

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
a,a,a-Trifluorotoluene	102%

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MS/MSD DATA REPORT

EPA METHOD: **601/602**
Matrix: Water

Date: 1/18/96

Sample #: FA01690

Batch #: FA18101W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Benzene	0	10	9.7	10	97%	100%	3.3%	99%
Chloroform	0	10	11	11	105%	109%	3.7%	107%
1,1-Dichloroethane	0	10	11	11	109%	111%	1.8%	110%
1,2-Dichloroethane	0	10	8.9	12	89%	116%	27%	103%
1,1-Dichloroethene	0	10	10	11	102%	107%	4.2%	105%
Tetrachloroethene	0	10	9.7	10	97%	102%	5.1%	100%
Toluene	0.21	10	10	11	98%	103%	3.3%	100%
Trichloroethene	0	10	9.5	11	95%	107%	11%	101%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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61345

CHAIN OF CUSTODY FORM

Client Name/Address: Crown City Plating Co. 4350 Temple City Blvd. El Monte CA 91731

Project/PO Number:

Project Manager/Phone Number: L. P. Donovan

Sampler: L. P. Donovan

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EPA 8010/8020	Turbidity								Special Instructions
Well E-1	Water	Glass	1	1-17/96 11:15 AM	refrigeration	✓	✓								
Well E-2	Water	Glass	1	1-17/96 1:00 PM	"	✓	✓								
Well E-3	Water	Glass	1	1-17/96 2:35 PM	"	✓	✓								

Relinquished By:	Date /Time:	Received by:	Date /Time:
L P Donovan	1-17-96 3:25 P.M.	Krishalun	1-17-96 3:25 pm
Krishalun	1-18-96 10:28 Am	Marca Lemmes	1-18-96 10:28
Marca Lemmes	1-18-96 1:40	Received in Lab by: Fidelia Quiles	1-18-96 1:40

Turnaround Time: (check)
same day ____ 72 hours ✓
24 hours ____ 5 days ____
48 hours ____ normal ____

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Crown City Plating	Client Project ID: Benifical Use of Comtaminated Ground Water	Sampled:	Nov 2, 1995
4350 Temple City Blvd.		Received:	Nov 3, 1995
El Monte, CA 91731	Sample Descript: Water, Well E-1	Extracted:	Nov 14, 1995
Attention: L.P. Donovan	Lab Number: EK00598	Analyzed:	Nov 14, 1995
		Reported:	Nov 15, 1995

PURGEABLE HALOCARBONS AND AROMATICS by GC (EPA 601/602)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	2.5	N.D.
Bromoform	2.5	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	2.5	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	13	N.D.
2-Chloroethylvinyl ether	13	N.D.
Chloroform	2.5	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	2.5	N.D.
1,2-Dichlorobenzene	5.0	N.D.
1,3-Dichlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	5.0	N.D.
1,1-Dichloroethane	2.5	N.D.
1,2-Dichloroethane	2.5	N.D.
1,1-Dichloroethene	**2.5**	**8.6**
cis-1,2-Dichloroethene	2.5	N.D.
trans-1,2-Dichloroethene	2.5	N.D.
1,2-Dichloropropane	2.5	N.D.
cis-1,3-Dichloropropene	2.5	N.D.
trans-1,3-Dichloropropene	2.5	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	2.5	N.D.
Tetrachloroethene	**2.5**	**50**
1,1,1-Trichloroethane	**2.5**	**5.3**
1,1,2-Trichloroethane	2.5	N.D.
Trichloroethene	**2.5**	**180**
Trichlorofluoromethane	2.5	N.D.
Vinyl chloride	5.0	N.D.
Benzene	2.5	N.D.
Ethylbenzene	2.5	N.D.
Toluene	2.5	N.D.
Total Xylenes	7.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
a,a,a-Trifluorotoluene	98%

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Crown City Plating	Client Project ID: Benifical Use of Comtaminated Ground Water	Sampled:	Nov 2, 1995
4350 Temple City Blvd.		Received:	Nov 3, 1995
El Monte, CA 91731	Sample Descript: Water, Well E-1	Extracted:	Nov 8, 1995
Attention: L.P. Donovan	Lab Number: EK00598	Analyzed:	Nov 13, 1995
		Reported:	Nov 15, 1995

ACID & BASE/NEUTRALS by GC/MS (EPA 625)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Dimethyl phthalate	10	N.D.
Acenaphthylene	10	N.D.	4,6-Dinitro-2-methylphenol	40	N.D.
Aniline	10	N.D.	2,4-Dinitrophenol	100	N.D.
Anthracene	10	N.D.	2,4-Dinitrotoluene	10	N.D.
Azobenzene	20	N.D.	2,6-Dinitrotoluene	10	N.D.
Benzidine	100	N.D.	Di-N-octyl phthalate	40	N.D.
Benzoic Acid	100	N.D.	Fluoranthene	10	N.D.
Benz(a)anthracene	10	N.D.	Fluorene	10	N.D.
Benzo(b)fluoranthene	10	N.D.	Hexachlorobenzene	10	N.D.
Benzo(k)fluoranthene	10	N.D.	Hexachlorobutadiene	10	N.D.
Benzo(g,h,i)perylene	10	N.D.	Hexachlorocyclopentadiene	40	N.D.
Benzo(a)pyrene	10	N.D.	Hexachloroethane	10	N.D.
Benzyl alcohol	20	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Bis(2-chloroethoxy)methane	10	N.D.	Isophorone	10	N.D.
Bis(2-chloroethyl)ether	10	N.D.	2-Methylnaphthalene	10	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Methylphenol	10	N.D.
Bis(2-ethylhexyl)phthalate	20	N.D.	4-Methylphenol	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	Naphthalene	10	N.D.
Butyl benzyl phthalate	20	N.D.	2-Nitroaniline	20	N.D.
4-Chloroaniline	10	N.D.	3-Nitroaniline	20	N.D.
2-Chloronaphthalene	10	N.D.	4-Nitroaniline	100	N.D.
4-Chloro-3-methylphenol	20	N.D.	Nitrobenzene	40	N.D.
2-Chlorophenol	10	N.D.	2-Nitrophenol	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	4-Nitrophenol	100	N.D.
Chrysene	10	N.D.	N-Nitrosodiphenylamine	10	N.D.
Dibenz(a,h)anthracene	20	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Dibenzofuran	10	N.D.	Pentachlorophenol	40	N.D.
Di-N-butyl phthalate	20	N.D.	Phenanthrene	10	N.D.
1,3-Dichlorobenzene	10	N.D.	Phenol	10	N.D.
1,4-Dichlorobenzene	10	N.D.	Pyrene	10	N.D.
1,2-Dichlorobenzene	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
3,3-Dichlorobenzidine	40	N.D.	2,4,5-Trichlorophenol	20	N.D.
2,4-Dichlorophenol	10	N.D.	2,4,6-Trichlorophenol	20	N.D.
Diethyl phthalate	10	N.D.			
2,4-Dimethylphenol	20	N.D.			

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

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	77%
Phenol-d6 (10-94)	84%
2,4,6-Tribromophenol (10-123)	90%
Nitrobenzene-d5 (35-114)	86%
2-Fluorobiphenyl (43-116)	83%
Terphenyl-d14 (33-141)	84%

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

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Crown City Plating	Client Project ID: Benifical Use of Comtaminated Ground Water	Sampled:	Nov 2, 1995
4350 Temple City Blvd.		Received:	Nov 3, 1995
El Monte, CA 91731	Sample Descript: Water	Extracted:	Nov 3, 1995
Attention: L.P. Donovan	First Sample #: EK00598	Analyzed:	Nov 3, 1995
		Reported:	Nov 15, 1995

TURBIDITY (EPA 180.1)

Laboratory Number	Sample Description	Detection Limit NTU	Sample Result NTU
EK00598	Well E-1	1.0	1.5

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

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Crown City Plating	Client Project ID: Benifical Use of Comtaminated Ground Water	Sampled:	Nov 2, 1995
4350 Temple City Blvd.		Received:	Nov 3, 1995
El Monte, CA 91731	Sample Descript: Water	Extracted:	Nov 3, 1995
Attention: L.P. Donovan	First Sample #: EK00597	Analyzed:	Nov 3, 1995
		Reported:	Nov 15, 1995

pH (EPA 150.1)

Laboratory Number	Sample Description	Sample Result
EK00597	No1 Machine Cyanide Rinse	10.4
EK00598	Well E-1	7.1
EK00601	Effluent	8.9
EK00602	Neutralization	7.4

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Crown City Plating
4350 Temple City Blvd.
El Monte, CA 91731
Attention: L.P. Donovan

Method Blank

Extracted: Nov 8, 1995
Analyzed: Nov 13, 1995
Reported: Nov 15, 1995
Matrix: Water

ACID & BASE/NEUTRALS by GC/MS (EPA 625)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Dimethyl phthalate	10	N.D.
Acenaphthylene	10	N.D.	4,6-Dinitro-2-methylphenol	40	N.D.
Aniline	10	N.D.	2,4-Dinitrophenol	100	N.D.
Anthracene	10	N.D.	2,4-Dinitrotoluene	10	N.D.
Azobenzene	20	N.D.	2,6-Dinitrotoluene	10	N.D.
Benzidine	100	N.D.	Di-N-octyl phthalate	40	N.D.
Benzoic Acid	100	N.D.	Fluoranthene	10	N.D.
Benz(a)anthracene	10	N.D.	Fluorene	10	N.D.
Benzo(b)fluoranthene	10	N.D.	Hexachlorobenzene	10	N.D.
Benzo(k)fluoranthene	10	N.D.	Hexachlorobutadiene	10	N.D.
Benzo(g,h,i)perylene	10	N.D.	Hexachlorocyclopentadiene	40	N.D.
Benzo(a)pyrene	10	N.D.	Hexachloroethane	10	N.D.
Benzyl alcohol	20	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Bis(2-chloroethoxy)methane	10	N.D.	Isophorone	10	N.D.
Bis(2-chloroethyl)ether	10	N.D.	2-Methylnaphthalene	10	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Methylphenol	10	N.D.
Bis(2-ethylhexyl)phthalate	20	N.D.	4-Methylphenol	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	Naphthalene	10	N.D.
Butyl benzyl phthalate	20	N.D.	2-Nitroaniline	20	N.D.
4-Chloroaniline	10	N.D.	3-Nitroaniline	20	N.D.
2-Chloronaphthalene	10	N.D.	4-Nitroaniline	100	N.D.
4-Chloro-3-methylphenol	20	N.D.	Nitrobenzene	40	N.D.
2-Chlorophenol	10	N.D.	2-Nitrophenol	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	4-Nitrophenol	100	N.D.
Chrysene	10	N.D.	N-Nitrosodiphenylamine	10	N.D.
Dibenz(a,h)anthracene	20	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Dibenzofuran	10	N.D.	Pentachlorophenol	40	N.D.
Di-N-butyl phthalate	20	N.D.	Phenanthrene	10	N.D.
1,3-Dichlorobenzene	10	N.D.	Phenol	10	N.D.
1,4-Dichlorobenzene	10	N.D.	Pyrene	10	N.D.
1,2-Dichlorobenzene	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
3,3-Dichlorobenzidine	40	N.D.	2,4,5-Trichlorophenol	20	N.D.
2,4-Dichlorophenol	10	N.D.	2,4,6-Trichlorophenol	20	N.D.
Diethyl phthalate	10	N.D.			
2,4-Dimethylphenol	20	N.D.			

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

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	85%
Phenol-d6 (10-94)	90%
2,4,6-Tribromophenol (10-123)	92%
Nitrobenzene-d5 (35-114)	89%
2-Fluorobiphenyl (43-116)	88%
Terphenyl-d14 (33-141)	87%

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Dan Harbs
Project Manager

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/14/95

Sample #: EK01977

Batch #: EK14111W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	10	9.5	9.7	95	97	2.1	96	≤12	88 - 106
Chloroform	0	10	9.2	9.6	92	96	4.3	94	≤16	80 - 114
1,1-Dichloroethane	0	10	8.4	8.5	84	85	1.2	84	≤13	78 - 116
2-Dichloroethane	0	10	9.5	9.3	95	93	2.1	94	≤12	74 - 120
1,1-Dichloroethene	0	10	8.4	8.4	84	84	0	84	≤12	70 - 128
Tetrachloroethene	0	10	9.4	8.7	94	87	7.7	90	≤12	82 - 112
Toluene	0	10	9.4	9.4	94	94	0	94	≤13	88 - 106
Trichloroethene	0.11	10	9.0	8.9	89	88	1.1	88	≤13	70 - 129

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA METHOD: **8270**
Matrix: Water

DATE: 11/13/95

SAMPLE # Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
1,4-Dichlorobenzene	0	50	37	33	74%	66%	2.9%	70%
n-nitroso-di-n-propylamine	0	50	45	38	90%	76%	4.2%	83%
1,2,4-Trichlorobenzene	0	50	41	38	82%	76%	1.9%	79%
Acenaphthene	0	50	44	40	88%	80%	2.4%	84%
2,4-Dinitrotoluene	0	50	46	41	92%	82%	2.9%	87%
Pyrene	0	50	48	42	96%	84%	3.3%	90%
4-Chloro-3-methylphenol	0	100	87	73	87%	73%	4.4%	80%
2-Chlorophenol	0	100	78	66	78%	66%	4.2%	72%
4-Nitrophenol	0	100	98	94	98%	94%	1.0%	96%
Pentachlorophenol	0	100	71	62	71%	62%	3.4%	67%
Phenol	0	100	74	62	74%	62%	4.4%	68%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **376.1**
Matrix: Water

DATE: 11/7/95

SAMPLE #: Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Sulfide	0	1.0	0.85	1.2	85%	120%	34.1%	103%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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Van Nuys, California 91406
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CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Client Name/Address: Crown City Plating Co. 4350 Temple City Blvd. El Monte CA 91731

Project: Beneficial Use of Contaminated Groundwater

Project Manager: L.P. Donovan

Sampler: L.P. Donovan

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	pH	EPA 601-602	EPA 624-625	Turbidity	Sulfide				Special Instructions
No 1 Machine Cyanide Rinse	water	glass	1	9:00 AM 11-2-95	refrigeration	✓	✓	✓						see attached #1
Well E-1	ground water	glass	3	1:15 PM 11-2-95	"	✓	✓	✓	✓					see attached (1&2)
Chrome Rinse No. 1	water	glass	1	1:15 PM 11-2-95	"		✓	✓						
Chrome Rinse No. 2	water	glass	1	1:15 PM 11-2-95	"		✓	✓						
Effluent	water	glass	1	1:15 11-2-95	"	✓	✓	✓		✓				
neutralization	water	glass	3	1:30 11-2-95	"	✓	✓	✓						see attached #2
Chrome holding	water	glass	1	1:30 11-2-95	"		✓	✓						

Relinquished By:	Date/Time:	Received By:	Date/Time:
L.P. Donovan	7:45 am 11-3-95	[illegible]	7:45 Am 11-3-95
[illegible]	10:40 Am 11-3-95	Monica Lemus	11-3-95 10:40
Monica Lemus	11-3-95 12:00	Received in Lab By: [illegible]	Date/Time: 11/3 1200

Note: Samples will be disposed of after 30 days.

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ____

Sample Integrity: (check)
intact ✓ on ice ✓

APPENDIX C

GROUNDWATER DEPTH (MEASURED)

GROUND WATER DEPTH

DATE:	TIME:	GROUND WATER MONITORING WELLS			SIGNATURE
		E-1 (Feet)	E-2 (Feet)	E-3 (Feet)	
1-12-96	11:30 am		68.40	70.80	MG
1-17-96	2:30 pm	71.40	68.35	70.70	MG
1-26-96	2:25 pm	71.29	68.29	70.65	MG
2-02-96	4:15 pm	71.22	68.31	70.69	MG
2-09-96	4:15 pm	71.50	68.11	70.51	MG
2-19-96	1:45 PM	70.91	67.99	70.39	RPG
2-23-96	12:15 pm	70.71	68.03	70.41	MG
3/2/96	3:30 PM	70.80	67.97	70.72	[illegible]
3/8/96	10:30 am	70.62	67.86	70.26	MG
3/15/96	2:30 PM	70.65	67.90	70.30	[illegible]
3/22/96	1:15 p.m	70.58	67.72	70.11	MG
3/28/96	12:00 noon	70.51	67.77	70.14	MG
4/4/96	12:00 noon	70.46	67.76	70.12	MG
4/11/96	2:30 PM	70.28	67.7	70.1	[illegible]
4/19/96	1:45 PM	70.31	67.71	70.09	[illegible]
4/25/96	1:30 pm	70.19	67.56	69.96	MG
5/2/96	11:10 am	70.24	67.68	70.07	MG
5/10/96	1:15 p.m	70.16	67.67	70.06	MG

GROUND WATER DEPTH

DATE:	TIME:	GROUND WATER MONITORING WELLS			SIGNATURE
		E-1 (Feet)	E-2 (Feet)	E-3 (Feet)	
5-18-96	11:15pm	71.10	67.64	70.05	MG
5-24-96	5:00pm	70.07	67.56	69.98	MG
5-31-96	3:30pm	69.98	67.51	69.94	MG
6-6-96	10:20 AM	70.00	67.63	70.05	MG
6-12-96	10:30 AM	69.97	67.60	70.00	MG
6-21-96	11:30 AM	69.85	67.55	69.93	Hassan
	plant shut down 6/24/96 - 7/8/96				
7-12-96	7:30 AM	69.78	67.60	70.00	Hassan
7-18-96	9:00 AM	69.78	67.65	70.05	Hassan
7/27-96	8:30 AM	69.81	67.88	70.15	Hassan
8/1/96	10:30 Am	69.75	67.95	70.21	Vivian
8/8/96	10:00 AM	69.90	68.0	70.3	Vivian
8/15/96	8:00 AM	69.90	68.05	72.5	Vivian
8/22/96	10:00 AM	69.80	68.0	72.5	Vivian
8/28/96	7:30 AM	69.95	68.10	70.3	Send sample to Del Mar for well H2 Vivian
9/5/96	10:00 AM	69.93	68.05	73.0	Vivian Hallam
9/12/96	11:30 AM	69.95	68.10	74.0	Vivian Hallam
9/20/96	10:30 AM	70.0	68.2	70.0	Vivian Hallam

CROWN CITY PLATING

GROUND WATER DEPTH

DATE:	TIME:	GROUND WATER MONITORING WELLS			SIGNATURE
		E-1 (Feet)	E-2 (Feet)	E-3 (Feet)	
10/4/96	1:30 PM	69.00	68.10	73.00	[illegible]
10/10/96	1:30 PM	70.00	68.30	70.45	[illegible]
10/18/96	3:00 PM	69.95	68.10	70.30	[illegible]
10/24/96	2:30 PM	69.95	68.20	70.40	[illegible]
11/01/96	1:30 PM	70.05	68.30	70.60	[illegible]
11/09/96	2:30 PM	69.90	68.10	70.30	[illegible]
11/15/96	3:00 PM	69.90	68.0	70.20	[illegible]
11/22/96	1:30 PM	69.95	68.15	70.35	[illegible]
11/27/96	2:00 PM	69.95	68.20	70.45	[illegible]
12/7/96	12:00 AM	70.00	68.25	70.25	[illegible]
12/12/96	3:00 PM	69.90	68.10	70.30	[illegible]
12/20/96	9:00 AM	69.95	68.10	70.30	[illegible]
	— plant shut down for Christmas 1996 —				

7-15 6/96 lev

CROWN CITY PLATING

GROUND WATER DEPTH

DATE: 1997	TIME:	GROUND WATER MONITORING WELLS E-1 (Feet)	E-2 (Feet)	E-3 (Feet)	SIGNATURE
1/9/97	10:30AM	69.95	68.15	70.35	[illegible]
1/17/97	11:00AM	69.90	68.10	70.30	[illegible]
1/23/97	11:00AM	69.85	68.0	70.15	[illegible]
1/30/97	10:30AM	69.85	68.0	70.15	[illegible]
2/7/97	10:30AM	69.85	68.0	70.15	[illegible]
2/14/97	1:30PM	69.70	67.95	70.00	[illegible]
2/21/97	11:00AM	69.75	67.95	70.10	[illegible]
2/27/97	13:00 PM	69.53	67.42	69.62	Hassan
3/07/97	2:30pm	69.65	67.70	69.90	[illegible]
3/14/97	2:00pm	69.60	67.75	69.90	[illegible]
3/21/97	3:00pm	69.55	67.75	69.90	[illegible]
3/28/97	12:30	69.65	67.75	69.95	[illegible]
4/4/97	2:00pm	69.60	67.75	69.95	[illegible]
4/11/97	11:00Am	69.70	67.90	70.10	[illegible]
4/18/97	1:00pm	69.65	67.90	70.05	[illegible]
4/25/97	2:00pm	69.60	67.80	70.00	[illegible]
5/2/97	11:30Am	69.65	67.90	70.10	[illegible]
5/9/97	11:30Am	69.70	68.00	70.20	[illegible]
5/16/97	2:30pm	69.70	67.95	70.15	[illegible]
5/23/97	3:30pm	69.70	68.05	70.20	[illegible]
5/30/97	3:00pm	69.70	68.10	70.25	[illegible]
6/6/97	3:00pm	69.60	67.90	70.15	[illegible]

CL-127-15 6/96 lev

CROWN CITY PLATING

GROUND WATER DEPTH

DATE: 1997	TIME:	GROUND WATER MONITORING WELLS			SIGNATURE
		E-1 (Feet)	E-2 (Feet)	E-3 (Feet)	
6/13/97	1:15pm	69.90	68.10	70.30	[illegible]
6/20/97	10:30Am	69.90	68.25	70.40	[illegible]
7/4		plant shut down 6/20/97 - 7/6/97			
7/11/97	1:30pm	69.95	68.45	70.60	[illegible]
7/18/97	1:30pm	69.95	68.45	70.60	[illegible]
7/25/97	2:00pm	70.00	68.50	70.65	[illegible]
7/31/97	3:00pm	70.05	68.60	70.70	[illegible]
8/7/97	11:00Am	70.15	68.70	70.85	[illegible]
8/15/97	2:00pm	70.15	68.60	70.80	[illegible]
8/22/97	1:00pm	70.20	68.75	70.90	[illegible]
8/29/97	1:30pm	70.24	68.75	70.90	[illegible]
9/5/97	2:00pm	70.26	68.79	70.95	[illegible]
9/11/97	10:30Am	[illegible]	[illegible]	71.05	[illegible]
9/18/97	8:00Am	70.44	68.96	71.0	[illegible]
9/26/97	1:00pm	70.53	69.21	71.39	[illegible]
10/3/97	10:00Am	70.55	69.12	71.25	[illegible]
10/9/97	11:00Am	70.60	69.20	71.33	[illegible]
10/17/97	11:00Am	70.64	69.17	71.32	[illegible]
10/24/97	10:00Am	70.68	69.15	71.30	[illegible]
10/30/97	10:30Am	70.75	69.35	71.49	[illegible]
11/7/97	11:00AM	70.78	69.39	71.52	Daoluong Lim
11/13/97	11:00 Am	70.65	69.30	71.39	Daoluong Lim & V.[illegible]

CROWN CITY PLATING

GROUND WATER DEPTH

DATE: 1997	TIME:	GROUND WATER MONITORING WELLS			SIGNATURE
		E-1 (Feet)	E-2 (Feet)	E-3 (Feet)	
11/21/97	9:30 Am	70.70	69.31	71.48	[illegible]
12/05/97	10:30 Am	70.94	69.33	71.49	[illegible]
12/12/97	11:30 Am	70.97	69.51	71.65	[illegible]
12/18/97	10:30 Am	70.78	69.20	71.38	[illegible]
	12/23/97 - 12/26/97 Christmas Holiday				
12/29/97	10:30 Am	70.77	69.20	71.30	[illegible]
	12/30/97 - 01/05/98 New Year's Holiday				

7-15 6/96 lev

Crown City Plating
Sanitation District
Lab No. 20110
4350 Temple City Blvd.
El Monte, CA 91731

GROUND WATER DEPTH MEASUREMENT

DATE	DAY/ TIME	GROUND WATER MONITORING WELLS			ANALYST SIGNATURE	LABORATORY MANAGER SIGNATURE
		E-1 (Feet)	E-2 (Feet)	E-3 (Feet)		
1/13/98	11:00Am	71.15	69.48	71.64	[illegible]	[illegible]
1/22/98	10:30Am	71.18	69.46	71.63	[illegible]	[illegible]
1/30/98	11:00Am	71.11	69.32	71.49	[illegible]	[illegible]
2/4/98	11:00Am	71.26	69.62	71.76	[illegible]	[illegible]
2/13/98	1:00Pm	71.09	69.30	71.46	[illegible]	[illegible]
2/17/98	8:00Am	71.10	69.42	71.65	[illegible]	[illegible]
2/26/98	7:30Am	71.12	69.31	71.46	[illegible]	[illegible]
3/4/98	11:00Am	71.07	69.15	71.31	[illegible]	[illegible]
3/13/98	10:30Am	71.09	69.10	71.30	[illegible]	[illegible]
3/19/98	10:30Am	71.07	69.01	71.25	[illegible]	[illegible]
3/31/98	11:30Am	71.15	69.00	71.05	[illegible]	[illegible]
4/07/98	11:30Am	71.12	68.75	70.96	[illegible]	[illegible]

APPENDIX D

GROUNDWATER ELEVATION (CALCULATED)

Laboratory Analysis Work Sheet 8

Groundwater Elevation

Date	Time	Groundwater Monitoring Wells Depth		
		E1 (295.04-depth)	E2 (293.34-depth)	E3 (296.81-depth)
1-12-96		–	224.94	226.01
1-17-96		223.64	224.99	226.11
1-26-96		223.75	225.05	226.16
2-02-96		223.82	225.03	226.12
2-09-96		223.54	225.23	226.30
2-19-96		224.13	225.35	226.42
2-23-96		224.33	225.31	226.40
3-02-96		224.24	225.37	226.09
3-08-96		224.42	225.48	226.55
3-13-96		224.39	225.44	226.51
3-22-96		224.46	225.62	226.70
3-28-96		224.53	225.57	226.67
4-04-96		224.58	225.58	226.69
4-11-96		224.76	225.64	226.71
4-19-96		224.73	225.63	226.72
4-25-96		224.85	225.79	226.85
5-02-96		224.80	225.66	226.74
5-10-96		224.88	225.67	226.75
5-18-96		223.94	225.70	226.76
5-24-96		224.97	225.78	226.85
5-31-96		225.06	225.83	226.87
6-06-96		225.04	225.71	226.76
6-12-96		225.07	225.74	226.81

Note: Depth is the measured depth of the groundwater from the field work sheet.

Laboratory Analysis Work Sheet 8

Groundwater Elevation

Date	Time	Groundwater Monitoring Wells Depth		
		E1 (295.04-depth)	E2 (293.34-depth)	E3 (296.81-depth)
6-21-96		225.19	225.79	226.88
7-12-96		225.26	226.04	226.81
7-18-96		225.26	225.69	226.76
7-27-96		225.23	225.46	226.66
8-01-96		225.29	225.39	226.60
8-08-96		225.14	225.34	226.51
8-15-96		225.14	225.29	224.31 *
8-22-96		225.24	225.34	224.31 *
8-28-96		225.09	225.24	226.51
9-05-96		225.11	225.29	223.81 *
9-12-96		225.09	225.24	222.81 *
9-20-96		225.04	225.14	226.81
10-04-96		226.04 *	225.24	223.81 *
10-10-96		225.04	225.04	226.36
10-18-96		225.09	225.24	226.51
10-24-96		225.09	225.14	226.41
11-01-96		224.99	225.04	226.21
11-09-96		225.14	225.24	226.51
11-15-96		225.14	225.34	226.61
11-22-96		225.09	225.19	226.46
11-27-96		225.09	225.14	226.36
12-07-96		225.04	225.09	226.56
12-12-96		225.14	225.24	226.51

Note: Depth is the measured depth of the groundwater from the field work sheet.

Laboratory Analysis Work Sheet 8

Groundwater Elevation

Date	Time	Groundwater Monitoring Wells Depth		
		E1 (295.04-depth)	E2 (293.34-depth)	E3 (296.81-depth)
12-20-96		225.09	225.24	226.57
1-09-97		225.09	225.19	226.46
1-17-97		225.14	225.24	226.57
1-23-97		225.19	225.34	226.66
1-30-97		225.19	225.34	226.66
2-7-97		225.19	225.34	226.66
2-14-97		225.34	225.39	226.81
2-21-97		225.29	225.39	226.71
2-27-97		225.51	225.92	227.19
3-07-97		225.39	225.64	226.91
3-14-97		225.44	225.59	226.91
3-21-97		225.49	225.59	226.91
3-28-97		225.39	225.59	226.86
4-04-97		225.44	225.59	226.86
4-11-97		225.34	225.44	226.71
4-19-97		225.39	225.44	226.76
4-25-97		225.44	225.44	226.81
5-02-97		225.39	225.44	226.71
5-09-97		225.34	225.34	226.61
5-16-97		225.34	225.39	226.66
5-23-97		225.34	225.29	226.61
5-30-97		225.34	225.24	226.56
6-06-97		225.44	225.44	226.66

Note: Depth is the measured depth of the groundwater from the field work sheet.

Laboratory Analysis Work Sheet 8

Groundwater Elevation

Date	Time	Groundwater Monitoring Wells Depth		
		E1 (295.04-depth)	E2 (293.34-depth)	E3 (296.81-depth)
6-13-97		225.24	225.24	226.51
6-20-97		225.14	225.05	226.14
7-11-97		225.09	224.89	226.21
7-18-97		225.09	224.89	226.21
7-25-97		225.04	224.84	226.16
7-31-97		224.99	224.74	226.11
8-7-97		224.89	224.64	225.96
8-15-97		224.89	224.74	226.01
8-22-97		224.84	224.59	225.91
8-29-97		224.80	224.59	225.91
9-5-97		224.78	224.55	225.86
9-11-97		224.69	224.45	225.76
9-18-97		224.60	224.38	225.71
9-26-97		224.51	224.13	225.42
10-3-97		224.49	224.22	225.56
10-9-97		224.44	224.14	225.48
10-17-97		224.40	224.17	225.49
10-24-97		224.35	224.19	225.51
10-30-97		224.29	223.99	225.33
11-7-97		224.26	223.95	225.29
11-13-97		224.39	224.04	225.42
11-21-97		224.34	224.03	225.33
12-05-97		224.10	224.01	225.32

Note: Depth is the measured depth of the groundwater from the field work sheet.

Laboratory Analysis Work Sheet 8

Groundwater Elevation

Date	Time	Groundwater Monitoring Wells Depth		
		E1 (295.04-depth)	E2 (293.34-depth)	E3 (296.81-depth)
12-11-97		224.07	223.83	225.16
12-18-97		224.26	224.14	225.43
12-30-97		224.27	224.14	225.51
1-13-98		223.89	223.86	225.17
1-22-98		223.86	223.88	225.18
1-30-98		223.93	224.02	225.32
2-4-98		223.78	223.72	225.05
2-13-98		223.95	224.04	225.35
2-19-98		223.94	223.92	225.16
2-26-98		223.92	224.04	225.35
3-4-98		223.97	224.19	225.60
3-13-98		223.95	224.24	225.51
3-19-98		223.97	224.33	225.56
3-31-98		223.89	224.34	225.76
4-09-98		223.92	224.59	225.85

Note: Depth is the measured depth of the groundwater from the field work sheet.