

QUARTERLY GROUNDWATER REPORT

**5800 CHRISTIE AVENUE,
EMERYVILLE, CALIFORNIA**

FEBRUARY 7, 1994

SUBMITTED TO:

**MR. BRIAN OLIVA
ALAMEDA COUNTY HEALTH CARE SERVICES
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CALIFORNIA 94621**

PREPARED FOR :

**CROLEY & HERRING INVESTMENT COMPANY
448 THARP DRIVE,
MORAGA, CALIFORNIA 94556**

PREPARED BY:

**ETS ENVIRONMENT & TECHNOLOGY SERVICES
2081 15TH STREET,
SAN FRANCISCO, CALIFORNIA 94114
TELEPHONE: 415-861-0810
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ETS ENVIRONMENT & TECHNOLOGY SERVICES

**2081 15TH STREET, SAN FRANCISCO, CALIFORNIA 94114
PHONE 415-861-0810 FAX 415-861-3269**

February 7, 1994

Mr. Dick Herring
President
Croley & Herring Investment Company
448 Tharp Avenue,
Moraga, California 94556

Subject: Quarterly Groundwater Report
5800 Christie Avenue, Emeryville, California

Dear Mr. Herring:

Enclosed please find a copy of the quarterly groundwater report for the January, 1994 water sampling period at the subject facility.

Please note that the chlorinated solvents in both EW1 and MW4 were non-detect. This is a significant improvement since we started the project. I strongly recommend that you should explore the possibility of a full closure of the groundwater without any deed restriction with Alameda County Health and the Bay Area Regional Water Quality Control Board.

Please contact me if you have any question about this report.

Sincerely,

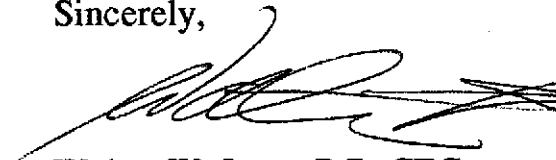

Walter W. Loo, RG CEG
President



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1.0 INTRODUCTION

Environment & Technology Services(ETS) was retained by Croley & Herring Investment Company to perform the 17th quarterly groundwater monitoring for the facility located at 5800 Christie Street in Emeryville, California. The subject facility is currently leased to an electronic merchandise retailer. Prior to leasing, soil contamination was identified at the subject facility. The contaminated soil was removed with the exception of that which was underlying the building because of safety concerns. The removed soil was remediated on-site and properly disposed of with the approval of the regulatory agencies.

A vapor extraction system(VES) was installed immediately adjacent to the northeastern side of the building to mitigate the residual volatile hydrocarbons contained in the soil. The residual volatile organic chemicals(VOCs) were remediated from an average VOCs concentration of about 660 ppm to a satisfactory level at an average of 0.82 ppm in soil. A soil closure plan was submitted(11/15/91) and approval of closure was received on 1/21/92 after submittal of confirmation soil sampling results. The soil vapor extraction system was decommissioned and the Bay Area Air Quality Management District was notified on 12/16/91. The final VES closure report was completed on August 29, 1992. An indoor vapor monitoring system Sierra Monitor Model 5000 was installed by the "Good Guys" electronic store in 1989 through March, 1993. No significant level of methane was detected for the monitoring period. The vapor monitoring system was disconnected in March, 1993 with the concurrence of Mr. Brian Oliva of Alameda County Health Care Services, March 15,1993 correspondence.

As part of the site activities, a quarterly groundwater monitoring program has been implemented. Previous quarterly monitoring events were conducted on November 6, 1989, February 20, 1990, May 31, 1990, September 7, 1990, December 4, 1990, April 16, 1991, July 3,1991, October 12, 1991, January 26, 1992, April 8, 1992, July 15,1992, October 19, 1992, January 11, 1993, March 29, 1993, July 7, 1993 and October 8, 1993 respectively. This quarterly monitoring event was conducted on January 19, 1994. Water samples were taken from the monitoring wells and sent to a State-certified laboratory for analysis under proper chain-of-custody procedures.

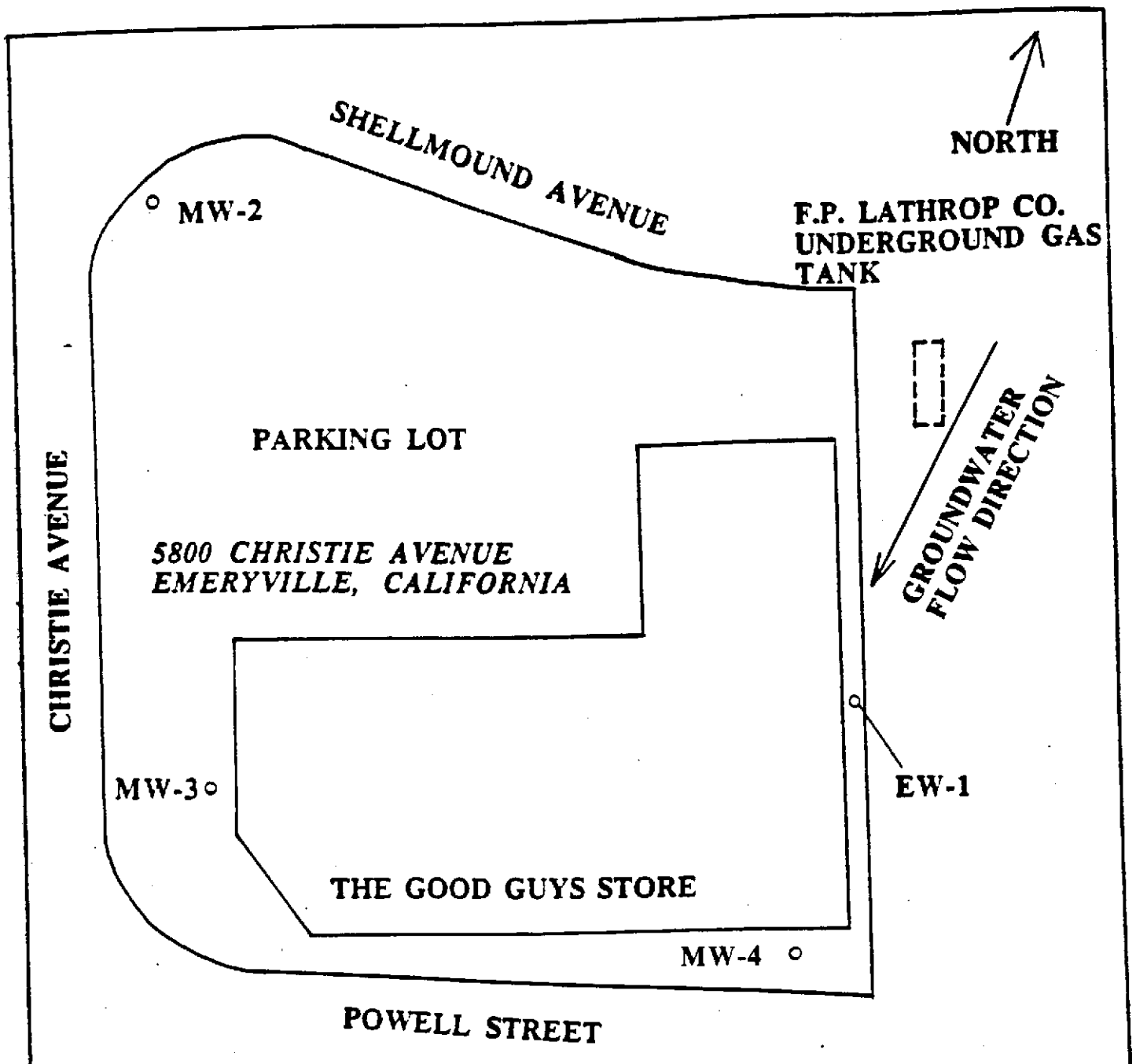
This report presents the results of this quarterly groundwater monitoring event on well EW1 and MW4 including laboratory analytical results, groundwater movement analysis, summary of findings, and conclusions and discussions.

2.0 GROUNDWATER MOVEMENT ANALYSIS

Prior to sample collection of this quarterly sampling, depth-to-water table in each of the three existing monitoring wells at the facility was measured for the analysis of groundwater movement. Table 1 presents a summary of the water levels in the three wells (EW1, MW2, MW3 and MW4) from the groundwater monitoring events prepared by ETS.

From the result of the water level measurements on January 17, 1994, elevation of water levels were about the same in the four wells, as compared to the data collected in October 1993. The groundwater flow direction remained in the same direction, flowing towards south(Figure 1). The hydraulic gradient was 0.0105 feet per horizontal foot.

Groundwater movement across the facility remains in a similar pattern, as compared to the result from the previous sampling event. Data of flow direction and hydraulic gradient are summarized in Table 2.



LEGEND

○ MONITORING WELLS



ETS
 ENVIRONMENT & TECHNOLOGY SERVICES

FIGURE 1
 LOCATION MAP

TABLE 1

SUMMARY OF WATER LEVEL DATA

WELL Name	Elev. of TOC (Ft-MSL)	11/6/89		2/20/90		5/31/90		9/7/90	
		DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.
EW-1	8.62	6.15	2.47	5.93	2.69	5.86	2.76	6.30	2.32
MW-2	7.42	4.37	3.05	4.26	3.16	4.26	3.16	4.60	2.82
MW-3	6.42	5.10	1.32	5.42	1.00	4.93	1.49	5.15	1.17

WELL Name	12/4/90		4/16/91		7/3/91		10/14/91		1/9/92	
	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.
EW-1	7.39	2.23	6.02	2.60	6.20	2.42	6.5	2.12	6.20	2.42
MW-2	4.67	2.75	4.31	3.11	4.52	2.9	3.92	3.5	4.43	3.10
MW-3	5.96	1.35	5.25	1.17	5.33	1.09	4.63	1.79	6.50	-0.08

WELL Name	7/15/92		10/19/92		1/11/93		4/19/93	
	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.
EW-1	6.10	2.52	6.1	2.52	5.5	3.12	5.95	2.67
MW-2	4.42	3.00	4.77	2.65	2.9	4.92	4.35	3.07
MW-3	5.23	1.19	5.37	1.05	3.6	2.82	5.1	1.32

TABLE 1(continue)

SUMMARY OF WATER LEVEL DATA

WELL Name	Elev. of TOC (Ft-MSL)	7/13/93		10/15/93		1/19/94	
		DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.	DTW Ft.	SWL Ft.
EW-1	8.62	6.2	2.42	6.25	2.37	6.3	2.32
MW-2	7.42	4.7	2.72	4.25	3.17	4.9	2.52
MW-3	6.42	5.35	1.07	5.35	1.07	5.3	1.12
MW-4	7.07*	5.75	1.32	5.80	1.27	5.75	1.32

* Adjusted elevation

Note: TOC top of casing
 DTW depth to water table
 SWL static water level above MSL
 MSL mean sea level

3.0 GROUNDWATER QUALITY

On January 19, 1994, ETS field personnel visited the facility and collected water samples from monitoring well EW1 and MW4 for laboratory analysis. These groundwater samples were sent to a state-certified laboratory for analyses of halocarbons using EPA method 601, total petroleum hydrocarbons (TPH) as gasoline and gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA method 602.

From the results of the laboratory analysis (Appendix A), water sample taken from well EW1 contained some volatile organic compounds. No chlorinated solvents were detected. This is a significant improvement since project inception. The VOCs detected in well EW-1 from the January 19, 1994 sampling episode are presented in Table 3.

Groundwater quality results of well MW4 are included in Table 4 of this report. The BTEX detected was not related to gasoline compounds. They may be associated with asphaltic material found near MW-4.

TABLE 2

GROUNDWATER MOVEMENT ANALYSIS

Date	4/25/89	11/6/89	2/20/90	5/31/90	9/7/90	12/4/90
Flow Towards	SW	S	S	S	S	S
Gradient	0.001	0.012	0.016	0.0125	0.0115	0.045
Date	4/16/91	7/3/91	10/14/91	1/9/92	7/15/92	10/19/92
Flow Towards	S	S	S	SW	S	S
Gradient	0.014	0.013	0.011	0.0238	0.013	0.0127
Date	1/11/93	4/19/93	7/7/93	10/15/93	1/19/94	
Flow Towards	S	SW	SW	S	S	
Gradient	0.011	0.013	0.013	0.0153	0.0105	

4.0 SUMMARY OF FINDINGS

Table 3 presents a summary of analytical results of well EW1 in time series. Table 4 presents the groundwater quality of well MW4. There are several factors that affect the changes in the hydrocarbon concentration. These factors are variations in water table, chemical breakdown due to biodegradation, and unidentified off-site sources.

MW4 detected elevated levels of BTEX compounds in the initial sample and analysis. The suspected sources of the BTEX compounds may have been originated from upgradient closed underground storage tank or from upgradient asphalt manufacturing plant. Well MW4 is located very close to underground utility lines along Powell Street which may serve as migration conduits from upgradient sources. During the construction of well MW4, asphaltic material of unknown origin(may be from upgradient asphalt manufacturing plant) was detected between 2 to 6 feet below grade.

The chlorinated solvents were non-detect(Table 3) for the first time since the groundwater monitoring program was initiated. This may be the direct result of passive in-situ biotreatment in the past with the addition of glucose(as co-substrate) and hydrogen peroxide with electrokinetic enhancement. It is obvious that there is no sign of downgradient or off site migration of the chlorinated solvents as indicated by NDs in MW-4(Table 4).

TABLE 3

**SUMMARY OF QUARTERLY GROUNDWATER QUALITY RESULTS OF WELL EW-1
5800 CHRISTIE AVENUE,
EMERYVILLE, CALIFORNIA**

CONCENTRATIONS IN MG/L

COMPOUNDS	5/8/89	11/6/89	2/20/90	5/31/90	9/7/90	12/4/90	4/6/91	7/3/91	10/12/92	1/8/92	4/8/92
TPH as GASOLINE	NA	0.74	12.0	24.0	25.0	7.4	51.0	23.0	39.0	<5.0	12.0
BENZENE	ND	0.18	1.3	0.056	1.1	0.18	3.0	0.65	ND	ND	4.0
TOLUENE	0.19	0.039	3.6	6.1	0.8	3.2	12.0	8.7	1.3	0.58	ND
XYLENES	0.17	0.067	0.047	0.14	0.042	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	0.0008	0.0071	0.017	ND	ND	ND	ND	ND	ND	ND
HALOCARBONS	0.718	1.1861	4.701	6.876	6.661	3.762	10.6	6.49	2.794	4.459	6.8
TCE	0.64	0.74	1.1	0.83	0.49	1.5	1.3	0.13	0.73	1.7	2.8
1,1 DCE	0.078	0.0023	0.014	0.069	0.036	ND	ND	ND	ND	ND	ND
1,2 DCE	ND	0.35	2.5	0.11	2.4	1.5	3.7	2.0	0.62	1.52	ND
1,1,1 TCA	ND	0.026	0.55	1.2	0.51	0.072	2.9	0.2	0.47	0.089	ND
1,1 DCA	ND	0.034	0.46	1.9	1.3	0.46	1.8	2.0	0.63	0.42	1.3
1,2 DCA	ND	0.0048	0.034	0.033	0.053	ND	ND	ND	0.12	0.25	2.7
VINYL CHLORIDE	ND	0.029	ND	2.6	1.7	0.23	0.9	1.99	0.17	0.48	ND
CHLOROETHANE	ND	ND	0.029	0.094	0.15	ND	ND	0.17	0.054	ND	ND
MET. CHLORIDE	ND	ND	0.014	0.04	0.022	ND	ND	ND	ND	ND	ND
TOTAL VOCs	1.078	1.9261	16.701	30.876	31.661	11.162	61.6	29.49	41.794	<9.459	18.8

NA NOT ANALYSED

ND NOT DETECTED OR BELOW DETECTION LIMITS

VOCs VOLATILE ORGANIC COMPOUNDS (TPH PLUS TOX)

TABLE 3(CONTINUE)

SUMMARY OF QUARTERLY GROUNDWATER QUALITY RESULTS OF WELL EW-1
5800 CHRISTIE AVENUE,
EMERYVILLE, CALIFORNIA

CONCENTRATIONS IN MG/L

COMPOUNDS	7/15/92	10/19/92	1/11/93	3/29/93	7/7/93	10/8/93	1/19/94
TPH as GASOLINE	100.0	26.0	20.0	15.0	40	12	5
BENZENE	ND	ND	ND	ND	ND	ND	0.022
TOLUENE	4.7	12.5	7.5	12.0	3.6	11	4.3
XYLENES	ND	ND	0.075	ND	ND	81	0.07
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	0.012
HALOCARBONS	2.461	5.07	0.065	2.5	1.7	1.81	ND
PCE	ND	ND	0.042	ND	ND	ND	ND
TCE	0.68	0.27	0.023	2.0	ND	ND	ND
1,1 DCE	ND	4.8	ND	0.5	ND	ND	ND
1,2 DCE	0.6	ND	ND	ND	ND	ND	ND
1,1,1 TCA	0.42	ND	ND	ND	ND	0.21	ND
1,1 DCA	0.6	ND	ND	ND	1.7	1.6	ND
1,2 DCA	0.11	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	0.15	ND	ND	ND	ND	ND	ND
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND
MET. CHLORIDE	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	102.461	31.07	20.065	17.5	41.7	13.81	5

NA NOT ANALYSED

ND NOT DETECTED OR BELOW DETECTION LIMITS

VOCs VOLATILE ORGANIC COMPOUNDS (TPH PLUS TOX)

TABLE 4

SUMMARY OF QUARTERLY GROUNDWATER QUALITY RESULTS OF WELL MW-4
5800 CHRISTIE AVENUE,
EMERYVILLE, CALIFORNIA

CONCENTRATIONS IN MG/L

COMPOUNDS	7/13/93	10/8/93	1/19/94
TPH as GASOLINE	<100.0*	2.2*	0.35
BENZENE	0.8	0.29	0.21
TOLUENE	0.28	0.22	0.025
XYLENES	0.3	0.2	0.037
ETHYLBENZENE	0.27	0.12	0.035
HALOCARBONS	ND	0.06	ND
PCE	ND	ND	ND
TCE	ND	ND	ND
1,1 DCE	ND	ND	ND
1,2 DCE	ND	ND	ND
1,1,1 TCA	ND	0.005	ND
1,1 DCA	ND	ND	ND
1,2 DCA	ND	0.055	ND
VINYL CHLORIDE	ND	ND	ND
CHLOROETHANE	ND	ND	ND
MET. CHLORIDE	ND	ND	ND
TOTAL VOCs	<100*	2.26*	0.35

* BTEX DO NOT MATCH GASOLINE PATTERN

NA NOT ANALYSED

ND NOT DETECTED OR BELOW DETECTION LIMITS

VOCs VOLATILE ORGANIC COMPOUNDS (TPH PLUS TOX)

APPENDIX A

GROUNDWATER LABORATORY ANALYSIS REPORT

Enviro - Chem, Inc.**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907**

Date: January 25, 1994

Mr. Dick Herring/Walter Loo
Croley & Herring Co.
448 Tharp Drive
Moraga, CA 94556

Dear Mr. Herring:

The analytical results for the two (2) water samples (Project: CHIC), received by our Lab on January 20, 1994, are attached. The Invoice for the work is also attached.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call Mr. John Ackerman, our Customer Service Specialist, or myself, if you have any questions.

Sincerely,



Hon Su
Lab Director

Enviro - Chem, Inc.**1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907****LABORATORY REPORT**

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL(510)376-3473 FAX(415)861-3269

PROJECT: CHICMATRIX: WATERDATE SAMPLED: 01/19/94REPORTED TO: MR. DICK HERRINGMR. WALTER LOO/ETSDATE SAMPLE REC'D: 01/20/94DATE ANALYZED: 01/20-24/94DATE REPORTED: 01/25/94SAMPLE I.D.: EW-1LAB I.D.: 940120-1

*EPA 601 FOR PURGEABLE HALOCARBONS ANALYSIS; UNIT: UG/L (PPB)

PARAMETER	SAMPLE RESULT	DETECTION LIMIT
Chloromethane	ND	5
Bromoethane	ND	5
Vinyl Chloride	ND	5
Chloroethane	ND	5
Methylene Chloride	ND	5
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
Trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
Cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
Dibromochloromethane	ND	1
1,1,2-Trichloroethane	ND	1
Trans-1,3-dichloropropene	ND	1
2-Chloroethylvinylether	ND	5
Bromoform	ND	5
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Dichlorodifluoromethane	ND	5
Trichlorofluoromethane	ND	5

ND = The concentration is below the detection limit or non-detected

* = Performed by GC/MS Method (EPA 8240)

Data Reviewed and Approved by: _____

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHIC
MATRIX: WATER
DATE SAMPLED: 01/19/94
REPORTED TO: MR. DICK HERRING
MR. WALTER LOO/ETS

DATE SAMPLE REC'D: 01/20/94
DATE ANALYZED: 01/20-24/94
DATE REPORTED: 01/25/94

SAMPLE I.D.: EW-1

LAB I.D.: 940120-1

*EPA 602 FOR PURGEABLE AROMATICS ANALYSIS; UNIT: [REDACTED] (PPB)

<u>PARAMETER</u>	<u>SAMPLE RESULT</u>	<u>DETECTION LIMIT</u>
Benzene	[REDACTED]	1
Chlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	12	1
Toluene	[REDACTED]	1
Xylenes, Total	[REDACTED]	2

COMMENTS

ND = The concentration is below the detection limit or non-detected

Data Reviewed and Approved by: [Signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHIC
MATRIX: WATER
DATE SAMPLED: 01/19/94
REPORTED TO: MR. DICK HERRING
MR. WALTER LOO/ETS

DATE SAMPLE REC'D: 01/20/94
DATE ANALYZED: 01/20-24/94
DATE REPORTED: 01/25/94

SAMPLE I.D.: EW-1

LAB I.D.: 940120-1

*EPA 8015M FOR GASOLINE ANALYSIS; UNIT: UG/L (PPB)

<u>PARAMETER</u>	<u>SAMPLE RESULT</u>	<u>DETECTION LIMIT</u>
TPH as GASOLINE	5,000	50

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHIC
 MATRIX: WATER
 DATE SAMPLED: 01/19/94
 REPORTED TO: MR. DICK HERRING
MR. WALTER LOO/ETS

DATE SAMPLE REC'D: 01/20/94
 DATE ANALYZED: 01/20-24/94
 DATE REPORTED: 01/25/94

SAMPLE I.D.: MW-4

LAB I.D.: 940120-2

*EPA 601 FOR PURGEABLE HALOCARBONS ANALYSIS; UNIT: UG/L (PPB)

<u>PARAMETER</u>	<u>SAMPLE RESULTD</u>	<u>DETECTION LIMIT</u>
Chloromethane	ND	5
Bromoethane	ND	5
Vinyl Chloride	ND	5
Chloroethane	ND	5
Methylene Chloride	ND	5
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
Trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
Cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
Dibromochloromethane	ND	1
1,1,2-Trichloroethane	ND	1
Trans-1,3-dichloropropene	ND	1
2-Chloroethylvinylether	ND	5
Bromoform	ND	5
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Dichlorodifluoromethane	ND	5
Trichlorofluoromethane	ND	5

ND = The concentration is below the detection limit or non-detected
 * = Performed by GC/MS Method (EPA 8240)

Data Reviewed and Approved by: _____
 CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: CHIC
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DATE SAMPLED: 01/19/94
REPORTED TO: MR. DICK HERRING
MR. WALTER LOO/ETS

DATE SAMPLE REC'D: 01/20/94
DATE ANALYZED: 01/20-24/94
DATE REPORTED: 01/25/94

SAMPLE I.D.: MW-4

LAB I.D.: 940120-2

*EPA 602 FOR PURGEABLE AROMATICS ANALYSIS; UNIT: UG/L (PPB)

<u>PARAMETER</u>	<u>SAMPLE RESULT</u>	<u>DETECTION LIMIT</u>
Benzene	210	1
Chlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	35	1
Toluene	25	1
Xylenes, Total	37	2

COMMENTS

ND = The concentration is below the detection limit or non-detected

Data Reviewed and Approved by: _____ 

CAL-DHS ELAP CERTIFICATE No.: 1555

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MATRIX: WATER
DATE SAMPLED: 01/19/94
REPORTED TO: MR. DICK HERRING
MR. WALTER LOO/ETS

DATE SAMPLE REC'D: 01/20/94
DATE ANALYZED: 01/20-24/94
DATE REPORTED: 01/25/94

SAMPLE I.D.: MW-4

LAB I.D.: 940120-2

*EPA 8015M FOR GASOLINE ANALYSIS; UNIT: UG/L (PPB)

<u>PARAMETER</u>	<u>SAMPLE RESULT</u>	<u>DETECTION LIMIT</u>
TPH as GASOLINE	350	50

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**ENVIRO-CHEM, INC.
LABORATORIES**

1214 E. Lexington Ave.
Pomona, CA 91766
(714) 590-5905 • Fax: (714) 590-5907

CHAIN of CUSTODY RECORD

DATE: 1/19/94
PAGE: 1 of 1

Lab Project # _____

Invoice To: Croley & Herring
Inv. Co.
Herring Emeryville

CA-DHS ELAP CERTIFICATE # 1555

Mr. Dick

REPORT TO: <u>DICK HERRING / WALTER LOO</u>		PROJECT NAME: <u>CHIC</u>	TURN AROUND TIME DESIRED
STREET: <u>448 THARP DRIVE</u>		PROJECT CONTACT: <u>WALTER LOO</u>	<input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour
CITY: <u>MORAGA</u>	STATE: <u>CA</u>	ZIP: <u>94556</u>	<input checked="" type="checkbox"/> 1 Week <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1 Week
TEL: <u>(510) 376-3473</u>	FAX: <u>(415) 861-3269</u>	SAMPLER'S SIGNATURE: <u>[Signature]</u>	<input type="checkbox"/> Other: _____
SHIPPING INFORMATION		AFTER ANALYSES, SAMPLES ARE TO BE	<input checked="" type="checkbox"/> DEPOSED OF <input type="checkbox"/> RETURNED TO CLIENT <input type="checkbox"/> STORED (21 days) <input type="checkbox"/> OTHER

RELINQUISHED BY: (Signature) <u>[Signature]</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE: <u>1/20/94</u>	TIME: <u>11:45am</u>
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:

SAMPLE ID	LAB I.D.	SAMPLING DATE/TIME	MATRIX	Nº of Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION	Sample Stored Location
<u>EW-1</u>	<u>940120-1</u>	<u>1/19/94</u> <u>10:00A</u>	<u>WATER</u>	<u>40ML(3)</u>	<u>8015 GASOLINE</u> <u>601, 602</u>	<u>OK</u>	<u>R5</u>
<u>MW-4</u>	<u>-2</u>	<u>1/19/94</u> <u>10:00A</u>	<u>WATER</u>	<u>40ML(3)</u>	<u>8015 GASOLINE</u> <u>601, 602</u>	<u>OK</u>	<u>R5</u>