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Pleasanton, CA 94566
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Clayton
ENVIRONMENTAL
CONSULTANTS

*Soil investigation indicates no further
PCE remediation necessary for soils.
Water still needs to be addressed -
1/2 hour*

**Preliminary Investigation Prior to
Installation/Implementation of the Soil Vapor Extraction
System at Dry Cleaner/Laundromat
Performed for
Harsch Investment Corporation**

Clayton Project No. 30493.00

November 28, 1990

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1.0 INTRODUCTION

Clayton Environmental Consultants, Inc. has been retained by Harsch Investment Corporation to conduct soil and groundwater remediation at the former dry cleaning site at the north corner of Park Street and Shore Line Drive in Alameda, California (Figure 1). This report provides details of preliminary trenching and sampling investigation activities conducted at the subject site before installation/implementation of the soil vapor extraction program.

Installation of the soil vapor extraction program was described in Clayton's workplan (Project No. 30493.00). During trenching, we did not detect petroleum or chlorinated hydrocarbons with an organic vapor meter (OVM). Therefore, in consultation with Harsch, we decided to wait for the results of laboratory analysis of the soil samples before completing installation of the soil vapor extraction system. Based on the results of these analyses, which are described in Section 4.0 of this report, we do not recommend any further investigation/remediation of soil at this site.

2.0 BACKGROUND

In 1989, Harsch contracted Woodward-Clyde Consultants to conduct a Phase I environmental assessment and a Phase II site investigation on the subject site. During the Phase II subsurface investigation, Woodward-Clyde identified petroleum hydrocarbon and chlorinated hydrocarbon contamination in groundwater in the two monitoring wells installed. Appendix A includes Woodward-Clyde's Tables 1 and 2, from their Phase II investigation, which summarize soil and groundwater data from monitoring wells MW-2 and MW-3. Woodward-Clyde's monitoring wells MW-2 and MW-3 have been renumbered by Clayton as MW-7 and MW-8, respectively, to facilitate sampling and documentation. Their locations are indicated as MW-7 and MW-8 on Figure 1.

Subsequently, Woodward-Clyde performed the following investigations:

- Emergency remediation of a release of 10 to 50 gallons of dry cleaning fluid from the former aboveground dry cleaning fluid storage tanks in November 1989. Soils were excavated from the area and stockpiled on the former Texaco Station site.

Soil samples were collected at the perimeter side walls of the excavation and tested for halogenated volatile organic compounds (VOCs) by EPA Method 8010. The laboratory analysis indicated that soil samples contained 280,000 parts per billion (ppb) tetrachloroethene (PCE) in the south corner of the excavation.

- Secondary excavation continued in December 1989 in the south corner of the excavation until no organic vapors were detected using a portable organic vapor analyzer (OVA). The soil removed in the secondary excavation was stockpiled with the original soil at the former Texaco Station.
- Installation of six soil borings on April 19, 1990, surrounding the former soil excavation at the former dry cleaning building. Tetrachloroethene (PCE) was found in the soil samples from these six borings. A summary of Woodward-

Clyde's April 1990 analytical results for these boreholes and the borehole locations are shown in Table 1 and Figure 1 in Appendix B.

3.0 WORK PERFORMED

On November 5, 1990, Clayton supervised the trenching excavation on the former dry cleaning site. HMS Company from Coalinga, California, provided the trenching services under subcontract to Harsch Investment Company. Figure 2 shows the locations of the trenching excavation and soil sampling. The locations of trenches and sampling points were selected to better define the horizontal extent of contamination. In addition, we planned to use the trenches as part of the venting system if contamination was identified.

Seven soil samples were collected at approximately 5 feet below the ground surface for laboratory analysis. The samples were collected in 1.5-inch brass tubes, each measuring 6 inches long. The tube ends were covered with aluminum foil, capped with plastic caps, sealed with ducted tape, labeled, and placed into a pre-cooled ice chest chilled to 4°C prior to shipment to Clayton's laboratory in Pleasanton, California. Upon delivery to the laboratory, a chain-of-custody form was completed listing analyses required. This form follows each set of analyses and is included in Appendix C.

On November 6, 1990, a groundwater sample (sample number GW-1) was collected from the main trench. The sample location is shown in Figure 2. Sample GW-1 was collected with a clean disposable bailer from approximately 6 inches of water that had collected in the bottom of the trench. The water was transferred to clean glass containers, capped, labeled and placed into a pre-cooled ice chest chilled to 4°C for shipment to Clayton's laboratory under proper chain-of-custody procedure. The chain-of-custody form is included in Appendix C.

4.0 LABORATORY RESULTS AND DATA ANALYSES

Soil and groundwater samples collected on November 5 and 6, 1990 were analyzed by EPA Method 8010 (soil) and EPA Method 601 (water) for purgeable halocarbons.

Soil sample V-3 contained 0.07 milligrams per kilograms (mg/kg) tetrachloroethene (PCE). All other constituents for which the laboratory conducted analysis were below the detection limit in this sample. None of the constituents for which the laboratory conducted analysis were detected in the other six soil samples or the one groundwater sample. The laboratory analytical results are attached in Appendix C with their corresponding chain-of-custodies.

5.0 CONCLUSIONS

The 0.07 mg/kg concentration of PCE detected in soil sample V-3 is well below the 20 mg/kg action level established by the Alameda County Health Agency (ACHA) and the Regional Water Quality Control Board (RWQCB) for this site.

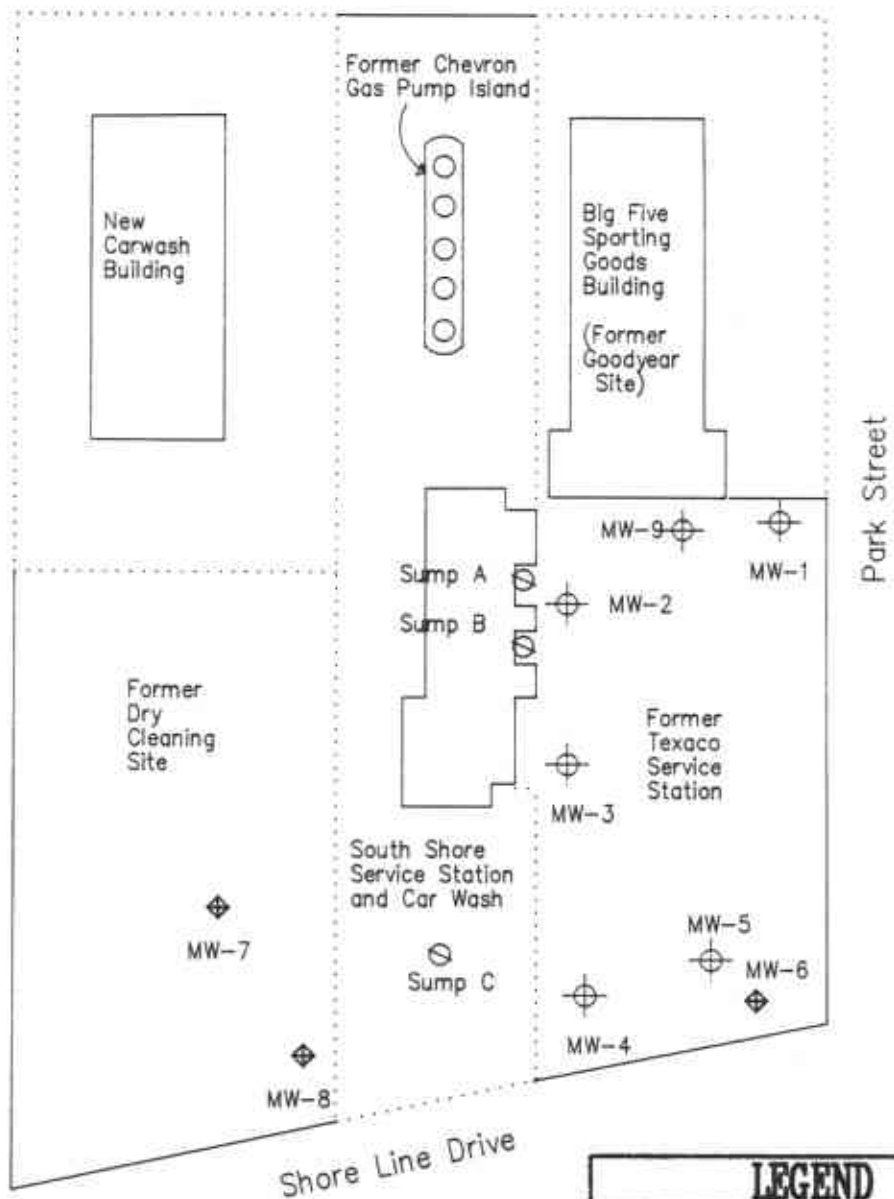
Based on the results of this soil sampling, we do not recommend any further soil investigation or remediation at this site. We recommend additional groundwater investigation to determine the extent of any contamination previously recognized in monitoring wells MW-7 and MW-8 (formerly, Woodward-Clyde monitoring wells MW-2 and MW-3).

Limitations

The information and opinions rendered in this report are exclusively for use by Client. Clayton Environmental Consultants, Inc. will not distribute this report without your consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

This report reviewed by:

Alan D. Gibbs, R.G.
Supervisor, Geology Group



Estimated Groundwater Flow Direction



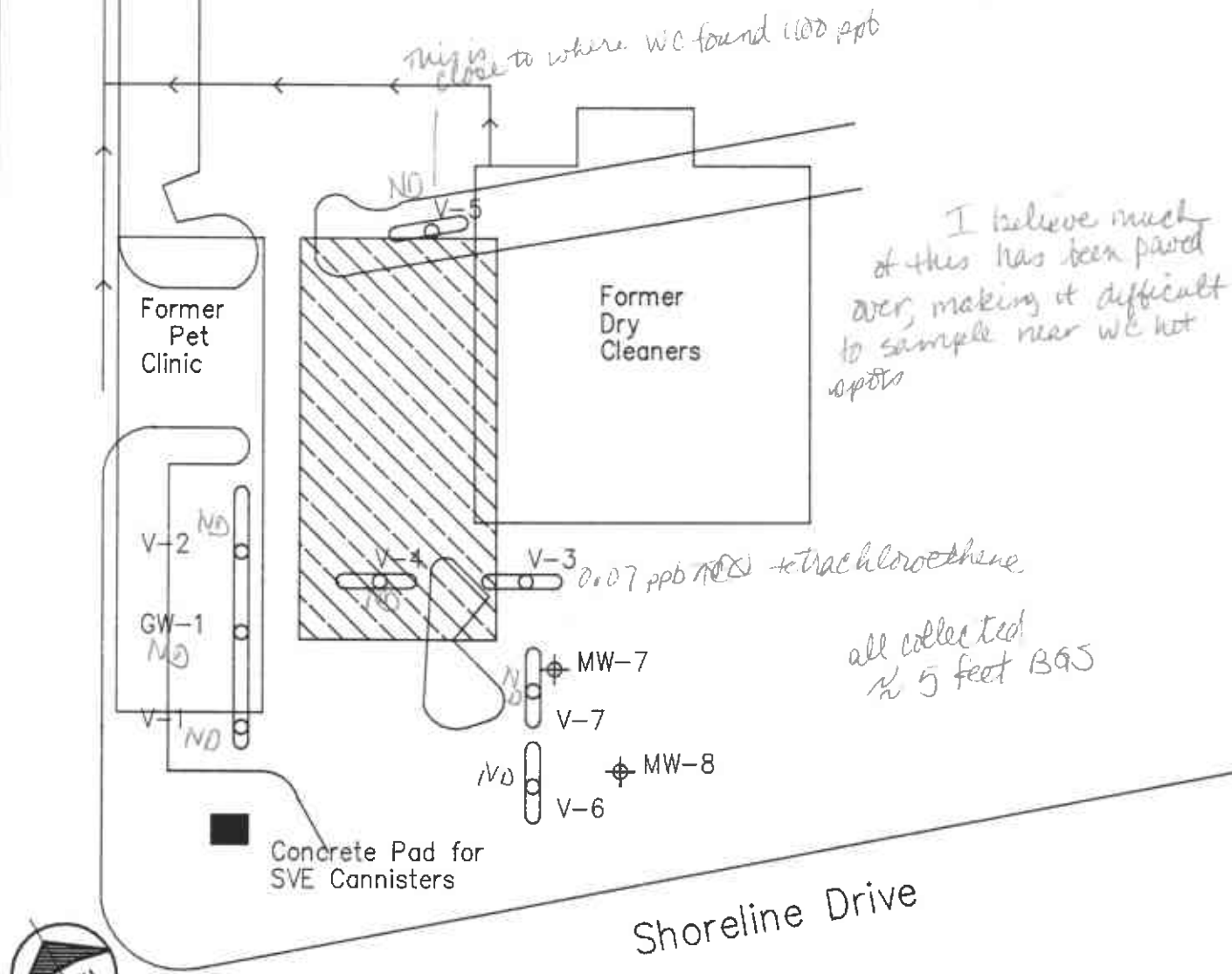
(not to scale)

LEGEND	
	Woodward-Clyde Monitoring Well
	Clayton Monitoring Well
	Sumps, Approximate Location
	Fence

<p>Diagrammatic Site Vicinity Map Harsch Investment Corporation Park Street and Shore Line Drive Alameda, California</p>	<p>Figure 1</p>	<p>Clayton ENVIRONMENTAL CONSULTANTS</p>
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LEGEND

- ⊕ Monitoring Well
- Trench Sample Location
- Sewer Line
- ▨ Approximate location of former excavation of dry cleaning fluid contaminated soils Woodward - Clyde
- Trench Location
- Blue = Former Location
- Red = Present Location of Concrete Curbs



Trenching and Sample Locations
 November 5, 1990
 Former Dry Cleaners Site
 Park Street and Shoreline Drive
 Alameda, California
 Clayton Project No. 30493.00

Figure

2

Clayton
 ENVIRONMENTAL
 CONSULTANTS

(not to scale)

30493-00-17

APPENDIX A

**WOODWARD-CLYDE TABLES 1 AND 2
PHASE II SITE INVESTIGATION**

TABLE 1
ANALYTICAL RESULTS OF WATER SAMPLES
COLLECTED NOVEMBER 29 AND 30, 1990
AT FORMER TEXACO STATION AND DRY CLEANING FACILITY
CORNER OF PARK STREET AND SHORE LINE DRIVE, ALAMEDA, CA
FOR
HARSCH INVESTMENTS CORPORATION

Constituent	MW-1	MW-2	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9	State Action Levels	Maximum Contaminant Level (MCL)
EPA Method 8015/8020 for										
Benzene	<0.4	<0.4	<0.4	<0.4	800	<0.4	<0.4	<0.4	-	1.0
Toluene	<0.3	<0.3	0.5	<0.3	12	<.03	<.03	<0.3	100	2,000
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	320	<.03	<.03	<0.3	-	680
Xylenes	<0.4	<0.4	<0.4	<0.4	66	<.04	<.04	<0.4	-	1,750
Gasoline	<50	<50	<50	<50	2,900	<50	<50	<50	N/A	N/A
EPA Method 8015/3510 for Diesel Fuel	<50	<50	<50	<50	<800	<50	<50	<50	N/A	N/A
EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons	<1 ppm	1 ppm	<1 ppm	<1 ppm	2 ppm	<1	<1	1 ppm	N/A	N/A
EPA Method 601 for purgeable halocarbons										
Tetrachloroethene	0.6	<0.5	<0.5	<0.5	<0.5	0.9	1.900	1.5	-	5
Cis-1,2-dichloroethene	<0.4	<0.4	<0.4	<0.4	<0.4	1.2	440	<0.4	6	6
1,2-dichloroethene (total)	<0.4	<0.4	<0.4	<0.4	<0.4	1.2	440	<0.4	-	-
Trichloroethene	<0.3	<0.3	0.5	0.5	<0.3	3.0	520	<0.3	-	5

< not detected at or above the indicated value (detection limit)

N/A not applicable

All concentrations reported in parts per billion (ppb) which is approximately equal to micrograms per liter (ug/L) except where noted as parts per million (ppm)

Table 1 reports only detected compounds. All other constituents analyzed for were below detectable limits. See attached analytical report for a complete list of analyses run on the samples.

PLTF/DEFT Exhibit 11
WIT: DENNIS BYRNE
DATE: 11/22/91 GRB
ELYSE R. GARDNER, CSR

**Analytical Results of Groundwater Samples
for
Baseline Monitoring of Groundwater Wells
at
South Shore Center
Corner of Park Street and Shoreline Drive
Alameda, California**

Collected ~~April 16 and 17, 1991~~

out in the street

Chemical	MW-1 (ppb)	MW-2 (ppb)	MW-3 (ppb)	MW-4 (ppb)	MW-5 (ppb)	MW-7 (ppb)	MW-8B (ppb)	MW-9 (ppb)	MW-14 (ppb)	Regulatory Guidelines
EPA Method 8015/8020 for: <i>(11/70 results)</i>										
Benzene	ND	ND	ND	ND	1,300	ND	ND	ND	2.9	1 ⁽¹⁾
Toluene	ND	ND	ND	ND	45	ND	ND	ND	ND	100 ⁽²⁾
Ethylbenzene	ND	ND	ND	ND	370	ND	ND	ND	ND	680 ⁽¹⁾
Xylenes	ND	ND	ND	ND	100	ND	ND	ND	0.5	1,750 ⁽¹⁾
Gasoline	ND	ND	ND	ND	4,000	ND	ND	ND	ND	not applicable
EPA Method 3510 for:										
Diesel	ND	ND	ND	ND	ND	ND	ND	ND	230	100 ⁽³⁾
EPA Method 5520 for:										
Hydrocarbons	ND	ND	ND	ND	ND	ND	ND	ND	ND	not applicable
EPA Method 601 for Purgeable Halocarbons:										
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.5	6 ⁽¹⁾
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	440 90	ND	ND	ND	6 ⁽²⁾
1,2-Dichloroethene (total)	ND	ND	ND	ND	ND	440 90	6.8	ND	ND	10 ⁽²⁾
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	4.6	0.5 ⁽¹⁾
Trichloroethene	ND	ND	ND	ND	ND	620 200	7.7	ND	0.4	5 ⁽¹⁾
Tetrachloroethene <i>PCE</i>	2.8	ND	3.0	ND	ND	1,600	1.1	3.3	16	5 ⁽¹⁾

- (1) Maximum Contaminant Level for Drinking Water Standards (EPA & DHS)
- (2) California State Action Levels (DHS)
- (3) Health Advisories or Suggested No-Adverse-Response Levels (SNARLS).

ppb = parts per billion which is approximately equal to micrograms per liter (µg/L)

PCE - not incredibly mobil
RfD - 1x10⁻² mg/kg/day
RfD
Chronic inhalation RfC

report on activities that have occurred

↓ strictly of MW-8.B
MW 7 - pump & treat proposal to cope with MW 7.
I'll ✖ unacceptable levels sometime of treatment proposal to within X check review

PLTF/LEFT Exhibit 12
 WIT: DENNIS BYRNE
 DATE 11/22/91 EEC
 ELYSE R. GARDNER, CSR

Western Operations

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

December 12, 1990

Ms. Laurene Compton
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, Ca. 94566

Client Ref. 29196.00
Clayton Project No. 90112.61

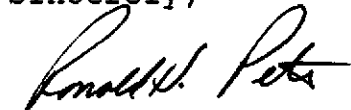
Dear Ms. Compton:

Attached is our analytical laboratory report for the samples received on November 29, 1990. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (415) 426-2657.

Sincerely,



Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/dt
Attachments

PLTF/EEET Exhibit ¹⁴

WIT: DENNIS BYRNE

DATE 11/22/91 ERLS

ELYSE M. GARDNER, CSR

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	MW-2	Date Sampled:	11/29/90
Lab Number:	9011261-01A	Date Received:	11/29/90
Sample Matrix/Media:	WATER	Date Prepared:	12/04/90
Preparation Method:	EPA 5030	Date Analyzed:	12/04/90
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	MW-3	Date Sampled:	11/29/90
Lab Number:	9011261-02A	Date Received:	11/29/90
Sample Matrix/Media:	WATER	Date Prepared:	12/04/90
Preparation Method:	EPA 5030	Date Analyzed:	12/04/90
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	0.5	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	MW-4	Date Sampled:	11/29/90
Lab Number:	9011261-03A	Date Received:	11/29/90
Sample Matrix/Media:	WATER	Date Prepared:	12/04/90
Preparation Method:	EPA 5030	Date Analyzed:	12/04/90
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9011261-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	12/04/90
Preparation Method:	EPA 5030	Date Analyzed:	12/04/90
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	MW-2	Date Sampled:	11/29/90
Lab Number:	9011261-01G	Date Received:	11/29/90
Sample Matrix/Media:	WATER	Date Analyzed:	12/04/90
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
1,2-Dichloroethene (total)	540-59-0	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6
2-Chloroethylvinylether	100-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	MW-3	Date Sampled:	11/29/90
Lab Number:	9011261-02G	Date Received:	11/29/90
Sample Matrix/Media:	WATER	Date Analyzed:	12/05/90
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
1,2-Dichloroethene (total)	540-59-0	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	0.5	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6
2-Chloroethylvinylether	100-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	MW-4	Date Sampled:	11/29/90
Lab Number:	9011261-03G	Date Received:	11/29/90
Sample Matrix/Media:	WATER	Date Analyzed:	12/05/90
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
1,2-Dichloroethene (total)	540-59-0	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	0.5	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6
2-Chloroethylvinylether	100-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Harsch Investments

Client Reference: 29196.00
Clayton Project No. 90112.61

Sample Identification:	See below	Date Sampled:	11/29/90
Lab Number:	9011261	Date Received:	11/29/90
Sample Matrix/Media:	Water	Date Extracted:	12/06/90
Analytical Method:	EPA 8015	Date Analyzed:	12/07/90
Extraction Method:	EPA 3510		

Laboratory No.	Sample Identification	Diesel (mg/L)
-01	MW-2	ND
-02	MW-3	ND
-03	MW-4	ND
-MB	Method Blank	ND
Limit of Detection:		50

ND = Not detected at or above the limit of detection.

**Results of Analysis
 for
 Harsch Investments**

Client Reference: 29196.00
 Clayton Project No. 90112.61

Sample Identification:	See below	Date Sampled:	11/29/90
Lab Number:	9011261	Date Received:	11/29/90
Sample Matrix/Media:	Water	Date Analyzed:	12/06/90
Analytical Method:	EPA 418.1		

Laboratory No.	Sample Identification	Total Recoverable Petroleum Hydrocarbons (mg/L)
-01	MW-2	1
-02	MW-3	<1
-03	MW-4	<1
-MB	Method Blank	<1
Limit of detection:		1

< Less than the indicated below limit of detection (LOD)

QC REPORT FOR HYDROCARBON ANALYSES

Date: 05/21/96

Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	* Recovery		RPD
	Sample (#65273)	MS	MSD		MS	MSD	
TPH (gas)	0.0	112.7	103.8	100.0	112.7	103.8	8.2
Benzene	0.0	11.5	11.1	10.0	115.0	111.0	3.5
Toluene	0.0	11.5	11.1	10.0	115.0	111.0	3.5
Ethyl Benzene	0.0	11.5	11.1	10.0	115.0	111.0	3.5
Xylenes	0.0	34.7	33.8	30.0	115.7	112.7	2.6
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH (oil & grease)	0	21200	21700	21700	89	92	2.3

* Rec = MS - Sample / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

Kleinfelder 7133 Koll Center Parkway, # 100 Pleasanton, CA 94566	Client Project ID: # 10-3003-01/004; Harsch	Date Sampled: 05/21/96
		Date Received: 05/21/96
	Client Contact: Alan Gibbs	Date Extracted: 05/21/96
	Client P.O: # R3633	Date Analyzed: 05/21/96

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602. California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) ⁺	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
65329	Hydropunch	W	ND	ND	ND	ND	ND	98

Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	0.5	0.5	0.5	0.5
	S	1.0 mg/kg	0.005	0.005	0.005	0.005

* water and vapor samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak coelutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

MW-1

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	ND	ND							
Toluene	ND	ND							
Ethylbenzene	ND	ND							
Xylenes	ND	ND							
1,2-DCA	ND	ND							
1,1-DCE	ND	ND							
cis-1,2-DCE	ND	ND							
trans-1,2-DCE									
"DCE"	ND	ND							
PCE	0.6	2.8							
TCE	ND	ND							
Chloroform									
1,1,2-TCA									
Bromoform									
Chlorobenzene									
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-2

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	ND	ND	<0.4		<0.5				<0.5
Toluene	ND	ND	<0.3		<0.5				<0.5
Ethylbenzene	ND	ND	<0.3		<0.5				<0.5
Xylenes	ND	ND	<0.4		<0.5				<0.5
1,2-DCA	ND	ND	<0.3		<2				<0.5
1,1-DCE	ND	ND	<0.2		<2				
cis-1,2-DCE	ND	ND	<0.4						<0.5
trans-1,2-DCE			<0.4		<1				<0.5
"DCE"	ND	ND	<0.4						
PCE	ND	ND	<0.5		<1				<0.5
TCE	ND	ND	<0.3		<2				<0.5
Chloroform									<0.5
1,1,2-TCA			<0.6						
Bromoform			<0.7						
Chlorobenzene			<0.7		<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-3

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	ND	ND	<0.4		<0.5				<0.5
Toluene	0.5	ND	<0.3		<0.5				<0.5
Ethylbenzene	ND	ND	<0.3		<0.5				<0.5
Xylenes	ND	ND	<0.4		<0.5				<0.5
1,2-DCA	ND	ND	<0.3		<2				<0.5
1,1-DCE	ND	ND	<0.2		<2				
cis-1,2-DCE	ND	ND	<0.4						0.77
trans-1,2-DCE		ND	<0.4		<1				<0.5
"DCE"	ND		<0.4						
PCE	ND	3	<0.5		8.2				20
TCE	0.5	ND	<0.3		1.4				4
Chloroform									<0.5
1,1,2-TCA			<0.6						
Bromoform			<0.7						
Chlorobenzene			<0.7		<1				
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-5B

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	800	1300	3.1	210	<0.5				
Toluene	12	45	3.7	4.2	<0.5				
Ethylbenzene	320	370	13	1.9	<0.5				
Xylenes	66	100	2.2	2	<0.5				
1,2-DCA	ND	ND	<0.3	0.4	<2				
1,1-DCE	ND	ND	<0.2		<2				
cis-1,2-DCE	ND	ND	<0.4						
trans-1,2-DCE			<0.4		14				
"DCE"	ND	ND	<0.4	5					
PCE	ND	ND	<0.5	ND	1.2				
TCE	ND	ND	<0.3	3.4	10				
Chloroform									
1,1,2-TCA			<0.6						
Bromoform			<0.7						
Chlorobenzene			<0.7	<1	<1				
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-7 & 7B

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	ND	ND	NA	NA	190				1.1
Toluene	ND	ND	NA	NA	<0.5				<0.5
Ethylbenzene	ND	ND	NA	NA	<0.5				<0.5
Xylenes	ND	ND	NA	NA	27				1.9
1,2-DCA	ND	ND	<0.3	ND	<2				<50
1,1-DCE	ND	ND	4.6		5.8				
cis-1,2-DCE	440	90	170						1200
trans-1,2-DCE			2.6		13				<50
"DCE"	440	90	170	150					
PCE	1900	1600	7800	5800	190				2100
TCE	520	200	660	540	12				1200
Chloroform									<50
1,1,2-TCA			0.8						
Bromoform			1.7						
Chlorobenzene			4.8		31				
Monitoring well MW-7B replaced monitoring well MW-7 after the 4/91 sampling date.									
MW-7B is deeper and screened lower than MW-7.									
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-8

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	ND	ND	NA	NA	92				<0.5
Toluene	ND	ND	NA	NA	<0.5				<0.5
Ethylbenzene	ND	ND	NA	NA	<0.5				<0.5
Xylenes	ND	ND	NA	NA	<0.5				<0.5
1,2-DCA	ND	ND	<0.3	ND	<2				<0.5
1,1-DCE	ND	ND	<0.2		<2				
cis-1,2-DCE	1.2	6.8	11						44
trans-1,2-DCE			<0.4		23				1.9
"DCE"	1.2	6.8	11	9					
PCE	0.9	1.1	0.9	5	70				8
TCE	3	7.7	19	14	57				22
Chloroform									<0.5
1,1,2-TCA			<0.6						
Bromoform			<0.7						
Chlorobenzene			<0.7		<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-9

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene	ND	ND	<0.4		520				1.8
Toluene	ND	ND	<0.3		2.8				5.6
Ethylbenzene	ND	ND	<0.3		35				1.1
Xylenes	ND	ND	<0.4		<0.5				5.8
1,2-DCA	ND	ND	<0.3		<2				<0.5
1,1-DCE	ND	ND	<0.2		<2				
cis-1,2-DCE	ND	ND	<0.4						<0.5
trans-1,2-DCE			<0.4		<1				<0.5
"DCE"	ND	ND	<0.4						
PCE	1.5	3.3	<0.5		<1				<0.5
TCE	ND	ND	<0.3		<2				<0.5
Chloroform									<0.5
1,1,2-TCA			<0.6						
Bromoform			<0.7						
Chlorobenzene			<0.7		<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-10

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				210	3600				82
Toluene				480	3200				22
Ethylbenzene				510	1200				37
Xylenes				1200	5300				47
1,2-DCA				ND	13				<0.5
1,1-DCE					<2				
cis-1,2-DCE									<0.5
trans-1,2-DCE					2				<0.5
"DCE"				ND					
PCE				ND	3.9				<0.5
TCE				9.5	<2				<0.5
Chloroform									<0.5
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-11

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				NA	<0.5				<0.5
Toluene				NA	<0.5				<0.5
Ethylbenzene				NA	<0.5				<0.5
Xylenes				NA	<0.5				<0.5
1,2-DCA				ND	<2				1.4
1,1-DCE					<2				
cis-1,2-DCE									<0.5
trans-1,2-DCE					1.5				<0.5
"DCE"				ND					
PCE				5.8	2.5				1.3
TCE				2	4.2				3
Chloroform									<0.5
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-12

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	Feb-95	May-95	Nov-95
Benzene				620	1300	5200	1100	120	71	NA
Toluene				1900	6300	6200	6200	200	130	NA
Ethylbenzene				2200	1400	13000	2000	180	110	NA
Xylenes				6000	12000	22000	15000	710	200	NA
1,2-DCA				ND	<2	NA	<2		3	NA
1,1-DCE										
cis-1,2-DCE					NR	<0.5	<2		<0.5	NA
trans-1,2-DCE					<1	NA	<2		<0.5	NA
"DCE"				ND						
PCE				ND	1.9	NA	<2		<0.5	NA
TCE				2.4	<2	NA	<2		<0.5	NA
Chloroform					<1	NA	<2		<0.5	NA
1,1,2-TCA										
Bromoform										
Chlorobenzene					<1	NA	<2		<0.5	
Blank cells indicate that nothing was reported for the given chemical.										
NA means the chemical was reported as "not analyzed."										
ND means the chemical was analyzed, but "not detected."										
The first "Feb-95" column is for sampling by the Mark Group; the second column is for sampling performed by Soil Tech Engineers (BTEX only).										
< means the chemicals was analyzed and reported below the given detection limit.										
NR means not reported by the laboratory.										
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.										
All values in micrograms per liter.										

MW-14

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene		2.9	0.8	ND	0.95	0.96				
Toluene		ND	0.8	ND	<0.5	<0.5				
Ethylbenzene		ND	<0.3	ND	3.3	3.4				
Xylenes		0.5	0.8	ND	15	15				
1,2-DCA		4.6	6.6	3.4	8.4	9.7				
1,1-DCE		0.5	<0.2		<2	<2				
cis-1,2-DCE		ND	<0.4							
trans-1,2-DCE			<0.4		<1	<1				
"DCE"		ND	<0.4	ND						
PCE		16	<0.5	ND	<1	<1				
TCE		0.4	<0.3	ND	<2	<2				
Chloroform										
1,1,2-TCA			<0.6							
Bromoform			<0.7							
Chlorobenzene			<0.7		<1	<1				
	Blank cells indicate that nothing was reported for the given chemical.									
	NA means the chemical was reported as "not analyzed."									
	ND means the chemical was analyzed, but "not detected."									
	< means the chemicals was analyzed and reported below the given detection limit.									
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
	All values in micrograms per liter.									

MW-15

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				ND	<0.5				
Toluene				ND	<0.5				
Ethylbenzene				ND	<0.5				
Xylenes				ND	<0.5				
1,2-DCA				ND	<2				
1,1-DCE					<2				
cis-1,2-DCE									
trans-1,2-DCE					<1				
"DCE"				ND					
PCE				ND	<1				
TCE				ND	<2				
Chloroform									
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1				
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-16

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				ND	<0.5	<0.5	<0.5	<0.5	NA
Toluene				ND	<0.5	<0.5	<0.5	<0.5	NA
Ethylbenzene				ND	<0.5	<0.5	<0.5	<0.5	NA
Xylenes				ND	<0.5	<0.5	<0.5	<0.5	NA
1,2-DCA				ND	<2	<0.5	<0.5	<0.5	NA
1,1-DCE									
cis-1,2-DCE					NR	<0.5	<0.5	<0.5	NA
trans-1,2-DCE					<1	<0.5	<0.5	<0.5	NA
"DCE"				ND					
PCE				ND	<1	<0.5	<0.5	<0.5	NA
TCE				ND	<2	<0.5	<0.5	<0.5	NA
Chloroform					<1	6.1	<0.5	<0.5	NA
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1	<0.5	<0.5	<0.5	
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-17

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				NA	<0.5	<0.5	<0.5	<0.5	NA
Toluene				NA	<0.5	<0.5	<0.5	<0.5	NA
Ethylbenzene				NA	<0.5	<0.5	<0.5	<0.5	NA
Xylenes				NA	<0.5	<0.5	<0.5	<0.5	NA
1,2-DCA				ND	<2	<0.5	<0.5	<0.5	NA
1,1-DCE									
cis-1,2-DCE					NR	<0.5	<0.5	<0.5	NA
trans-1,2-DCE					<1	<0.5	<0.5	<0.5	NA
"DCE"				NA					
PCE				ND	2.4	<0.5	<0.5	<0.5	NA
TCE				ND	<2	<0.5	<0.5	<0.5	NA
Chloroform					<1	4	<0.5	<0.5	NA
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1	<0.5	<0.5	<0.5	
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-18

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				NA	<0.5				
Toluene				NA	<0.5				
Ethylbenzene				NA	<0.5				
Xylenes				NA	<0.5				
1,2-DCA				ND	<2				
1,1-DCE					<2				
cis-1,2-DCE									
trans-1,2-DCE					<1				
"DCE"				NA					
PCE				ND	1.4				
TCE				ND	<2				
Chloroform									
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-19

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				NA	<0.5	<0.5	<0.5	<0.5	NA
Toluene				NA	<0.5	<0.5	<0.5	<0.5	NA
Ethylbenzene				NA	<0.5	<0.5	<0.5	<0.5	NA
Xylenes				NA	<0.5	<0.5	<0.5	<0.5	NA
1,2-DCA				ND	<2	<0.5	<0.5	<0.5	NA
1,1-DCE									
cis-1,2-DCE					NR	<0.5	<0.5	<0.5	NA
trans-1,2-DCE					<1	<0.5	<0.5	<0.5	NA
"DCE"				NA					
PCE				ND	1.1	<0.5	<0.5	<0.5	NA
TCE				ND	<2	<0.5	<0.5	<0.5	NA
Chloroform					<1	4.6	<0.5	<0.5	NA
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1	<0.5	<0.5	<0.5	
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-21

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				NA	<0.5				<0.5
Toluene				NA	<0.5				<0.5
Ethylbenzene				NA	<0.5				<0.5
Xylenes				NA	<0.5				<0.5
1,2-DCA				ND	<2				
1,1-DCE					<2				
cis-1,2-DCE									<0.5
trans-1,2-DCE					<1				<0.5
"DCE"				NA					
PCE				ND	<1				<0.5
TCE				ND	<1				<0.5
Chloroform									
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1				
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-20

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				NA	21				<0.5
Toluene				NA	<0.5				<0.5
Ethylbenzene				NA	<0.5				<0.5
Xylenes				NA	<0.5				<0.5
1,2-DCA				ND	<2				<0.5
1,1-DCE					<2				
cis-1,2-DCE									16
trans-1,2-DCE					58				0.61
"DCE"				NA					
PCE				ND	57				<0.5
TCE				ND	32				3.7
Chloroform									<0.5
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1				
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-22

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				ND	<0.5	<0.5	<0.5	<0.5	NA
Toluene				ND	<0.5	<0.5	<0.5	<0.5	NA
Ethylbenzene				ND	<0.5	<0.5	<0.5	<0.5	NA
Xylenes				ND	<0.5	<0.5	<0.5	<0.5	NA
1,2-DCA				22	15	14	8.2	11	NA
1,1-DCE					<2				
cis-1,2-DCE					NR	<0.5	<0.5	<0.5	NA
trans-1,2-DCE					<1	<0.5	<0.5	<0.5	NA
"DCE"				ND					
PCE				ND	<1	<0.5	<0.5	<0.5	NA
TCE				ND	<2	<0.5	<0.5	<0.5	NA
Chloroform					<1	0.65	<0.5	<0.5	NA
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1	<0.5	<0.5	<0.5	
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									

MW-23

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				ND	<0.5				
Toluene				ND	<0.5				
Ethylbenzene				ND	<0.5				
Xylenes				ND	<0.5				
1,2-DCA				ND	<2	0.53	<0.5	0.99	NA
1,1-DCE									
cis-1,2-DCE					NR	<0.5	<0.5	<0.5	NA
trans-1,2-DCE					<1	<0.5	<0.5	<0.5	NA
"DCE"				ND					
PCE				ND	<1	<0.5	<0.5	<0.5	NA
TCE				ND	<2	<0.5	<0.5	<0.5	NA
Chloroform					<1	<0.5	<0.5	<0.5	NA
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1	<0.5	<0.5	<0.5	
	Blank cells indicate that nothing was reported for the given chemical.								
	NA means the chemical was reported as "not analyzed."								
	ND means the chemical was analyzed, but "not detected."								
	< means the chemicals was analyzed and reported below the given detection limit.								
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.								
	All values in micrograms per liter.								

MW-24

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	Feb-95	May-95	Nov-95
Benzene				ND	<0.5		7700	53	71	NA
Toluene				ND	<0.5		1600	21	130	NA
Ethylbenzene				ND	<0.5		1200	20	110	NA
Xylenes				ND	<0.5		2100	46	200	NA
1,2-DCA				ND	<2		6.6		3	NA
1,1-DCE										
cis-1,2-DCE					NR		<0.5		1.1	1.1
trans-1,2-DCE					<1		<0.5		<0.5	<0.5
"DCE"				ND						
PCE				ND	1.9		<0.5		<0.5	<0.5
TCE				ND	<2		<0.5		<0.5	<0.5
Chloroform					<1		<0.5		<0.5	<0.5
1,1,2-TCA										
Bromoform										
Chlorobenzene					<1		<0.5		<0.5	
	Blank cells indicate that nothing was reported for the given chemical.									
	NA means the chemical was reported as "not analyzed."									
	ND means the chemical was analyzed, but "not detected."									
	The first "Feb-95" column is for sampling by the Mark Group; the second column is for sampling performed by Soil Tech Engineers (BTEX only).									
	< means the chemicals was analyzed and reported below the given detection limit.									
	NR means not reported by the laboratory.									
	"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
	All values in micrograms per liter.									

MW-25

Chemical	Nov-90	Apr-91	Jul-91	Feb-93	Apr-94	Oct-94	Feb-95	May-95	Nov-95
Benzene				100	<0.5	<0.5			NA
Toluene				230	<0.5	<0.5			NA
Ethylbenzene				270	<0.5	<0.5			NA
Xylenes				500	<0.5	<1			NA
1,2-DCA				ND	9.3	5.2	NA	NA	NA
1,1-DCE									
cis-1,2-DCE					NR	<0.5	NA	NA	NA
trans-1,2-DCE					<1	<0.5	NA	NA	NA
"DCE"				ND					
PCE				ND	3.9	<0.5	NA	NA	NA
TCE				11	<2	<0.5	NA	NA	NA
Chloroform					<1	1.3	NA	NA	NA
1,1,2-TCA									
Bromoform									
Chlorobenzene					<1	<0.5	NA	NA	
Blank cells indicate that nothing was reported for the given chemical.									
NA means the chemical was reported as "not analyzed."									
ND means the chemical was analyzed, but "not detected."									
< means the chemicals was analyzed and reported below the given detection limit.									
"DCE" means either total DCE, or DCE not differentiated into cis or trans isomers.									
All values in micrograms per liter.									