

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

SECRET

Clayton
ENVIRONMENTAL
CONSULTANTS

October 5, 1992

Clayton Project No. 39744.00

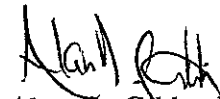
Ms. Juliett Shin
Senior Hazardous Materials Specialist
Alameda County Health Agency
80 Swan Way, Room 200
Oakland, California 94261

Dear Ms. Shin:

As you requested in your telephone conversation on October 2, 1992, with Dariush Dastmalchi, Clayton Environmental Consultants, Inc. is pleased to submit a copy of our quarterly status report for the South Shore Shopping Center in Alameda, California. This report describes the work completed during the first quarterly period of year 1992.

If you have any questions, please call me at (510) 426-2676 or Mr. Dariush Dastmalchi at (510) 426-2609.

Sincerely,



Alan D. Gibbs, R.G.
Supervisor, Geology
Western Operations

ADG/dd

Enclosures

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

April 7, 1992

Clayton Project No. 39744.00

Mr. Michael Dosen
HARSCH INVESTMENT CORPORATION
235 W. MacArthur Blvd., Suite 630
Oakland, CA 94611

Subject: Quarterly Status Report for
South Shore Shopping Center
Park Street and Shoreline Drive
Alameda, California

Dear Mr. Dosen:

Clayton Environmental Consultants, Inc. is pleased to provide you with an update for the activities performed on the Harsch Investment property during the first quarterly period of year 1992. This letter describes the work completed and in progress as originally outlined in our revised proposal dated March 11, 1992. The subject property is located at the corner of Park Street and Shore Line Drive (South Shore Shopping Center) in Alameda, California. All work involved was associated with the former dry cleaning facility.

On February 20, 1992, Mr. Dariush Dastmalchi, Clayton Geologist, contacted the Alameda County Health Department (ACHD) to discuss the future activities planned for the subject property. During this discussion, Mr. Dennis Byrne of ACHD agreed to accept a work plan for remediation of groundwater contamination beneath the former dry cleaning site. This work plan will essentially replace the feasibility study that we originally planned for the site.

On February 24, 1992, Clayton supervised the installation of seven 2-inch monitoring wells (MW-15, MW-16, MW-17, MW-18, MW-19, MW-20 and MW-21). These wells were installed to better assess the vertical and horizontal extent of chlorinated hydrocarbon contamination in groundwater beneath the former dry cleaning site (Figure 1). Being that we are tracking chlorinated hydrocarbons (sinkers), these wells were bottom screened and anchored in a clay layer with the exception of monitoring well MW-20, which was screened throughout the groundwater intercept to assess possible contamination overlap with the Chevron carwash.

Groundwater samples were collected from wells MW-7B, MW-8B, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, and MW-21, and analyzed by the following methods:

Mr. Michael Dosen
Harsch Investment Corporation
April 7, 1992

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- Environmental Protection Agency (EPA) Method 8020 for benzene, toluene, ethylbenzene and xylene (BTEX)
- EPA Method 601 for purgeable halocarbons

A groundwater sample from monitoring well MW-7B was also analyzed for general minerals, total dissolved solids, total solids, bromide, fluoride, nitrates and nitrites. These additional analyses will be used for the design of the remediation system (Attachment).

The enclosed table compares groundwater analytical results for the organic compounds from the November 1991 quarterly sampling event to the recent March 1992 sampling event. Regulatory guidelines are also listed for comparison. Only compounds that were detected in a sample from at least one of the wells are included in the table. All other organic compounds for which analyses were conducted were below detection limits (Attachment).

In the recent March 1992 groundwater sampling from monitoring well MW-7B, analysis revealed 390 micrograms per liter ($\mu\text{g/l}$) trichloroethene, and 3,200 $\mu\text{g/l}$ tetrachloroethene. *Note: This is an approximate 50% drop in concentrations from the November 1991 quarterly sampling event.*

The March 1992 groundwater sample from monitoring well MW-8 contained 7.9 $\mu\text{g/l}$ cis-1,2-dichloroethene, and 13 $\mu\text{g/l}$ trichloroethene. These are approximately the same concentrations as detected in November 1991.

The concentration of chlorinated hydrocarbons in groundwater samples from monitoring wells MW-7B and MW-8B exceeded regulatory guidelines for drinking water, as listed in the table.

Analysis of the sample from MW-16 revealed a 1,1,1-trichloroethane concentration of 1.1 $\mu\text{g/l}$. However, the concentration of this compound is well below the MCL for drinking water (Table). Laboratory analysis from groundwater samples from MW-15, MW-17, MW-18, MW-19, MW-20 and MW-21 did not reveal any hydrocarbon concentration at or above analytical detection limits.

Based on the well spacing and analytical reports, the chlorinated hydrocarbon groundwater contamination plume is confined to the former dry cleaning site. No overlap in the chlorinated hydrocarbon contamination is apparent with the adjacent Chevron or former Texaco sites. The highest chlorinated hydrocarbon concentration is around monitoring well MW-7B.

Wrong. Look at g.w. results for Chevron

Currently Clayton is conducting an aquifer characterization study by extracting groundwater from MW-7B. This study is to determine the hydraulic parameters

Mr. Michael Dosen
Harsch Investment Corporation
April 7, 1992

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including the amount of water the site may generate around MW-7B, and the effect over time (1 to 3 weeks) this pumping will have on chlorinated hydrocarbon concentrations.

From March 23 to April 3, 1992, we pumped about 13,000 gallons of groundwater from monitoring well MW-7B.

On March 31, 1992, a groundwater sample collected from monitoring well MW-7B showed a reduction in the following compounds:

<u>Contaminant</u>	<u>Before Pumping</u>	<u>After Pumping</u>
Tetrachloroethene	3,200 µg/L	1,100 µg/L
Trichloroethene	390 µg/L	290 µg/L
Cis-1,2-dichloroethene	<40 µg/L	60 µg/L

We are currently evaluating the data for remediation design and costing out disposal permit requirements and options.

If you need any additional information or clarification, please advise. Upon receipt of your written or verbal authorization, we will forward a copy of this report to the Alameda County Health Department and Regional Water Quality Control Board.

Sincerely,



Alan D. Gibbs, R.G.
Supervisor, Geology
Western Operations

ADG/dd

cc: Mr. Roy Ikeda
Mr. Rick Warren

Mr. Michael Dosen
Harsch Investment Corporation
April 7, 1992

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Clayton Project No. 39744.00

**Summary of Analytical Results for Quarterly Groundwater Sampling
at
South Shore Center
Park Street and Shoreline Drive
Alameda, California
March 1992**

All Concentration in micrograms per liter ($\mu\text{g/l}$)

Chemical	MW-7B		MW-8B		MW-16		MCL
EPA Method 601 for Purgeable Halocarbons:							
DATE COLLECTED	3-92	11-91	3-92	11-91	3-92	11-91	
Tetrachloroethene	3,200	6,600	<0.5	5	<0.5	N/A	5
Trichloroethene	390	700	13	12	<0.3	N/A	5
Cis-1,2-Dichloroethene	<40	140	7.9	6.3	<0.4	N/A	6
1,1,1-Trichloroethane	<50	<50	0.5	<50	1.1	N/A	200

<0.3 = less than detection limit

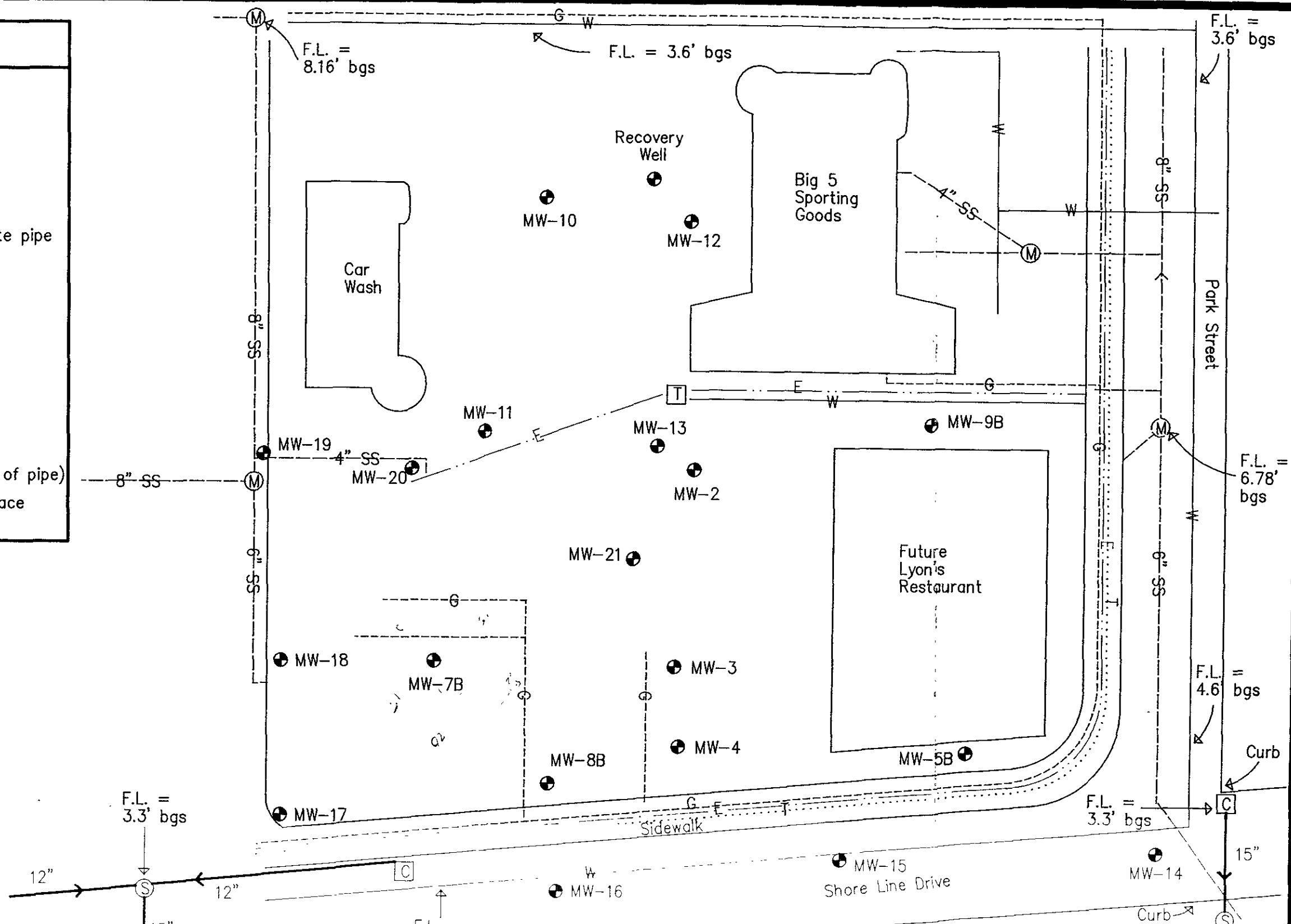
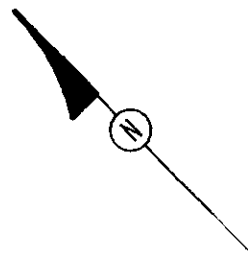
N/A = Not available

MCL = Maximum Contaminant Levels for Drinking Water Standards

MCL are taken from Jon B. Marshack's, *A Compilation of Water Quality Goals, October 1990*, published by Regional Water Quality Control Board Central Valley Region.

LEGEND

- G- - - - Gas
- T- - - - Telephone
- E- - - - Electric
- W- - - - Water
- Reinforced concrete pipe
- SS- - - - Sanitary sewer
- [T] Transformer
- (M) Manhole
- (S) Storm drain
- [C] Catch basin
- ⊕ Monitoring well
- F.L. Flow line (bottom of pipe)
- bgs Below ground surface



Utility Trenches
 HARSH INVESTMENT CORPORATION
 Shore Line Drive and Park Street
 Alameda, California

(not to scale) Clayton Project No. 36080 00

Clayton
 ENVIRONMENTAL
 CONSULTANTS

ATTACHMENT

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

March 16, 1992

Mr. Dariush Dastmalchi
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref. 39744.00
Clayton Project No. 92030.66

Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on March 5, 1992. 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 (510) 426-2657.

Sincerely,

Michael Lynch for

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

RHP/tb
Attachments

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-7	Date Sampled:	03/05/92
Lab Number:	9203066-01F	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Prepared:	03/10/92
Preparation Method:	EPA 5030	Date Analyzed:	03/10/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50

<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	125	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-15	Date Sampled:	03/05/92
Lab Number:	9203066-02A	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50
<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	100	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-16	Date Sampled:	03/05/92
Lab Number:	9203066-03A	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Prepared:	03/12/92
Preparation Method:	EPA 5030	Date Analyzed:	03/12/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50
<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	109	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-8	Date Sampled:	03/05/92
Lab Number:	9203066-04A	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50
<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9203066-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50

<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	98	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-7	Date Sampled:	03/05/92
Lab Number:	9203066-01H	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/06/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	60
Bromomethane	74-83-9	ND	70
Vinyl chloride	75-01-4	ND	50
Chloroethane	75-00-3	ND	50
Methylene chloride	75-09-2	ND	200
1,1-Dichloroethene	75-35-4	ND	20
1,1-Dichloroethane	75-35-3	ND	40
Trans-1,2-Dichloroethene	156-60-5	ND	40
Cis-1,2-Dichloroethene	156-59-2	ND	40
Chloroform	67-66-3	ND	50
1,2-Dichloroethane	107-06-2	ND	30
1,1,1-Trichloroethane	71-55-6	ND	50
Carbon tetrachloride	56-23-5	ND	60
Bromodichloromethane	75-27-4	ND	70
1,2-Dichloropropane	78-87-5	ND	50
Cis-1,3-Dichloropropene	10061-01-5	ND	50
Trichloroethene	79-01-6	390	30
Dibromochloromethane	124-48-1	ND	60
1,1,2-Trichloroethane	79-00-5	ND	60
Trans-1,3-Dichloropropene	10061-02-6	ND	60

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

Note: Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: MW-7	Date Sampled: 03/05/92
Lab Number: 9203066-01H	Date Received: 03/05/92
Sample Matrix/Media: WATER	Date Analyzed: 03/06/92
Analytical Method: EPA 601	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	ND	100
Bromoform	75-25-2	ND	70
Tetrachloroethene	127-18-4	3,200	50
1,1,2,2-Tetrachloroethane	79-34-5	ND	50
Chlorobenzene	108-90-7	ND	70
1,3-Dichlorobenzene	541-73-7	ND	200
1,2-Dichlorobenzene	95-50-1	ND	400
1,4-Dichlorobenzene	106-46-7	ND	400
Dichlorodifluoromethane	75-71-8	ND	100
Trichlorofluoromethane	75-69-4	ND	40
Freon 113	76-13-1	ND	60
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	106	50 - 150

ND Not detected at or above limit of detection

-- Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: MW-15	Date Sampled: 03/05/92
Lab Number: 9203066-02C	Date Received: 03/05/92
Sample Matrix/Media: WATER	Date Analyzed: 03/06/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: MW-15	Date Sampled: 03/05/92
Lab Number: 9203066-02C	Date Received: 03/05/92
Sample Matrix/Media: WATER	Date Analyzed: 03/06/92
Analytical Method: EPA 601	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	108	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-16	Date Sampled:	03/05/92
Lab Number:	9203066-03C	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/06/92
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
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	1.1	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

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-16	Date Sampled:	03/05/92
Lab Number:	9203066-03C	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/06/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	114	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-8	Date Sampled:	03/05/92
Lab Number:	9203066-04C	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/06/92
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	7.9	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	13	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

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification:	MW-8	Date Sampled:	03/05/92
Lab Number:	9203066-04C	Date Received:	03/05/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/06/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	125	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9203066-07A	Date Received: --
Sample Matrix/Media: WATER	Date Analyzed: 03/06/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: METHOD BLANK
Lab Number: 9203066-07A
Sample Matrix/Media: WATER
Analytical Method: EPA 601
Date Sampled: --
Date Received: --
Date Analyzed: 03/06/92

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	108	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: MW-7
Lab Number: 9203066-01
Sample Matrix/Media: WATER

Date Sampled: 03/05/92
Date Received: 03/05/92

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Alkalinity, Tot. (CaCO ₃)	360	5	mg/L	--	03/10/92	--	EPA 310.1
Bicarbonate (as CaCO ₃)	360	5	mg/L	--	03/10/92	--	EPA 310.1
Bromide	0.2	0.1	mg/L	--	03/10/92	--	SM 4500B
Calcium	15	0.1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Carbonate (as CaCO ₃)	<5	5	mg/L	--	03/10/92	--	EPA 310.1
Chloride	130	1	mg/L	--	03/11/92	--	EPA 325.2
Copper	0.01	0.01	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Fluoride	0.98	0.05	mg/L	--	03/11/92	--	EPA 340.2
Hardness (as CaCO ₃)	74	1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Hydroxide (as OH)	<5	5	mg/L	--	03/10/92	--	EPA 310.1
Iron	0.69	0.05	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Magnesium	8.9	0.1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Manganese	0.04	0.01	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Nitrate-N	<0.05	0.05	mg/L	--	03/06/92	--	EPA 353.2
Nitrite-N	<0.05	0.05	mg/L	--	03/06/92	--	EPA 353.2
pH	7.9	--	S.U.	--	03/05/92	--	EPA 150.1
Sodium	180	1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Specific Conductance	1,400	1	umhos/cm	--	03/10/92	--	EPA 120.1
Sulfate	200	2	mg/L	--	03/11/92	--	EPA 375.2
Surfactants (MBAS)	0.04	0.02	mg/L	--	03/06/92	--	EPA 425.1
Total Dissolved Solids	900	10	mg/L	--	03/06/92	--	EPA 160.1
Total Solids	950	10	mg/L	--	03/13/92	--	EPA 160.3
Zinc	0.02	0.01	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92030.66

Sample Identification: METHOD BLANK
Lab Number: 9203066-07
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Alkalinity, Tot. (CaCO3)	<5	5	mg/L	--	03/10/92	--	EPA 310.1
Bicarbonate (as CaCO3)	<5	5	mg/L	--	03/10/92	--	EPA 310.1
Bromide	<0.1	0.1	mg/L	--	03/10/92	--	SM 4500B
Calcium	<0.1	0.1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Carbonate (as CaCO3)	<5	5	mg/L	--	03/10/92	--	EPA 310.1
Chloride	<1	1	mg/L	--	03/11/92	--	EPA 325.2
Copper	<0.01	0.01	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Fluoride	<0.05	0.05	mg/L	--	03/11/92	--	EPA 340.2
Hardness (as CaCO3)	<1	1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Hydroxide (as OH)	<5	5	mg/L	--	03/10/92	--	EPA 310.1
Iron	<0.05	0.05	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Magnesium	<0.1	0.1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Manganese	<0.01	0.01	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Nitrate-N	<0.05	0.05	mg/L	--	03/06/92	--	EPA 353.2
Nitrite-N	<0.05	0.05	mg/L	--	03/06/92	--	EPA 353.2
Sodium	<1	1	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7
Specific Conductance	<1	1	umhos/cm	--	03/10/92	--	EPA 120.1
Sulfate	<2	2	mg/L	--	03/11/92	--	EPA 375.2
Surfactants (MBAS)	<0.02	0.02	mg/L	--	03/06/92	--	EPA 425.1
Total Dissolved Solids	<10	10	mg/L	--	03/06/92	--	EPA 160.1
Total Solids	<10	10	mg/L	--	03/13/92	--	EPA 160.3
Zinc	<0.01	0.01	mg/L	03/09/92	03/11/92	EPA 200.7	EPA 200.7

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

Clayton

ENVIRONMENTAL
CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 1 of 2

Project No. _____

Batch No. 9203066

Client No. _____

Date Logged In 3/5/92 By RHC

REPORT RESULTS TO	Name <u>Dariusz Dastmalchi</u> Title _____		Purchase Order No. _____		Client Job No. _____			
	Company <u>Clayton</u> Dept. _____		Name <u>Harsch</u>		Company _____ Dept. _____			
	Mailing Address _____		Address _____		City, State, Zip _____			
	City, State, Zip _____		City, State, Zip _____		City, State, Zip _____			
Telephone No. _____		Telefax No. _____		City, State, Zip _____				
Date Results Required: _____		Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No		Phone Results <input type="checkbox"/>		Samples are: (check if applicable)		
Special Instructions (method, limit of detection, etc.) <u>GMM-P-HNO3 BTX6-P-Hcl</u>		Explanation of Preservative: <u>Total Phosphorus-P=H2SO4</u>		<input type="checkbox"/> Drinking Water		<input type="checkbox"/> Collected in the State of New York		
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)		
MW-7		3-5-92	Water	64 oz	1	TS, BR, FINO2 GMCL GMM NO2, NO3 TOTAL PHOSPHORUS BTX6 LODI ORTO PHOSPHATE		
				32 oz	1	FOR LAB USE ONLY		
				16 oz	1	A		
				8 oz	1	B		
				8 oz	1	C		
				8 oz	1	D		
				40 ML	2	E		
MW-7		3-5-92	Water	40 ML	2	F, G		
					1	H, I		
						J		
CHAIN OF CUSTODY	Relinquished by: <u>M. Springer (Sampler)</u>		Date/Time: <u>3-5-92 4:45PM</u>		Received by: _____		Date/Time: _____	
	Relinquished by: _____		Date/Time: _____		Received at Lab by: <u>Rebecca Clunick</u>		Date/Time: <u>3/5/92 4:45</u>	
	Method of Shipment: _____				Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			
Authorized by: <u>M. Springer</u>		Date: <u>3-5-92</u>		HOLD TOTAL PHOSPHORUS; Analyze for OR the Phosphate				

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

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

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PINK - Client Copy

Clayton ENVIRONMENTAL CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 2 of 2

Project No. _____

Batch No. Q203066

Client No. _____

Date Logged In 3/5/92 By Rfz

REPORT RESULTS TO	Name				Purchase Order No.			Client Job No.										
	Company				Name			Company										
	Dariusz Dastmalchi				Harsch													
	Clayton																	
	Dept.				Dept.													
	Mailing Address				Address													
	City, State, Zip				City, State, Zip													
	Telephone No.				City, State, Zip													
	Telefax No.																	
	Date Results Required		Rush Charges Authorized?		Phone Results		ANALYSIS REQUESTED											
	Normal		TAT		No		(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)											
Special Instructions (method, limit of detection, etc.)				Samples are:		FOR LAB USE ONLY												
				(check if applicable)														
Explanation of Preservative: P=Hel				<input type="checkbox"/> Drinking Water														
				<input type="checkbox"/> Collected in the State of New York														
CLIENT SAMPLE IDENTIFICATION			DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers												
MW-15			3-5-92	Water	40 ML	2	X											02 A,B
MW-15						2		X										1 C,D
MW-16						2	X											03 A,B
MW-16						2		X										6 C,D
MW-8						2	X											04 A,B
MW-8						2		X										6 C,D
Trip Blank (0030292) Hel						1			X									05 A
Trip Blank (0021792)			3-5-92	Water	40 mL	1			X									06 b
CHAIN OF CUSTODY	Relinquished by: M. Spranger (Sampler)			Date/Time: 3-5-92 4:45 PM			Received by: _____							Date/Time: _____				
	Relinquished by: _____			Date/Time: _____			Received at Lab by: Rebecca Chartth							Date/Time: 3/5/92 4:45				
	Method of Shipment: _____						Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable							<input type="checkbox"/> Other (explain)				
Authorized by: M. Spranger			Date: 3-5-92															
(Client Signature Must Accompany Request)																		

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

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

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Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

March 13, 1992

Mr. Dariush Dastmalchi
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref. 38379.00
Clayton Project No. 92030.86

Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on March 6, 1992. 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 (510) 426-2657.

Sincerely,



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

RHP/tb
Attachments

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-17	Date Sampled:	03/06/92
Lab Number:	9203086-01C	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-17	Date Sampled:	03/06/92
Lab Number:	9203086-01C	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	110	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-18	Date Sampled:	03/06/92
Lab Number:	9203086-02C	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification: MW-18	Date Sampled: 03/06/92
Lab Number: 9203086-02C	Date Received: 03/06/92
Sample Matrix/Media: WATER	Date Analyzed: 03/09/92
Analytical Method: EPA 601	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	118	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification: MW-19	Date Sampled: 03/06/92
Lab Number: 9203086-03C	Date Received: 03/06/92
Sample Matrix/Media: WATER	Date Analyzed: 03/09/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification: MW-19	Date Sampled: 03/06/92
Lab Number: 9203086-03C	Date Received: 03/06/92
Sample Matrix/Media: WATER	Date Analyzed: 03/09/92
Analytical Method: EPA 601	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	116	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-20	Date Sampled:	03/06/92
Lab Number:	9203086-04C	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification: MW-20 Date Sampled: 03/06/92
Lab Number: 9203086-04C Date Received: 03/06/92
Sample Matrix/Media: WATER Date Analyzed: 03/09/92
Analytical Method: EPA 601

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	111	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-21	Date Sampled:	03/06/92
Lab Number:	9203086-05C	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification: MW-21	Date Sampled: 03/06/92
Lab Number: 9203086-05C	Date Received: 03/06/92
Sample Matrix/Media: WATER	Date Analyzed: 03/09/92
Analytical Method: EPA 601	

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	115	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9203086-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9203086-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Analyzed:	03/09/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	117	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-17	Date Sampled:	03/06/92
Lab Number:	9203086-01A	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50
<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	109	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-18	Date Sampled:	03/06/92
Lab Number:	9203086-02A	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50
<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	110	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-19	Date Sampled:	03/06/92
Lab Number:	9203086-03A	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50

<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	110	50 - 15

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-20	Date Sampled:	03/06/92
Lab Number:	9203086-04A	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50

<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	110	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	MW-21	Date Sampled:	03/06/92
Lab Number:	9203086-05A	Date Received:	03/06/92
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50

<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	108	50 - 150

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

Results of Analysis
for
Harsch Investments

Client Reference: 38379.00
Clayton Project No. 92030.86

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9203086-07A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	03/11/92
Preparation Method:	EPA 5030	Date Analyzed:	03/11/92
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
p,m-Xylenes	---	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	---	ND	50
<u>SURROGATE</u>		<u>RECOVERY (%)</u>	<u>LIMITS (%)</u>
a,a,a-Trifluorotoluene	98-08-8	110	50 - 150

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

Clayton

ENVIRONMENTAL
CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page _____ of _____

Project No. _____

Batch No. 9203085

Client No. _____

Date Logged In 3/6/92 By RER

REPORT RESULTS TO	Name <u>DARIUSH DASTMALCHI</u>	Title _____	Purchase Order No. _____		Client Job No. <u>38379.00</u>																							
	Company <u>HARSH</u>	Dept. _____	Name <u>DARIUSH DASTMALCHI</u>		Company <u>CLAYTON</u>																							
	Mailing Address _____	City, State, Zip _____	Address _____		City, State, Zip _____																							
	Telephone No. _____	Telefax No. _____	SEND INVOICE TO																									
Date Results Required: <u>NORMAL TAT</u>	Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No	Phone Results <input type="checkbox"/>	Samples are: (check if applicable)		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. **)																							
Special Instructions: (method, limit of detection, etc.)			<input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York		<table border="1"> <tr> <td rowspan="2">Number of Containers</td> <td colspan="10">/ / / / / / / / / / / /</td> <td rowspan="2">FOR LAB USE ONLY</td> </tr> <tr> <td colspan="10">BTXG EPA 601</td> </tr> </table>		Number of Containers	/ / / / / / / / / / / /										FOR LAB USE ONLY	BTXG EPA 601									
Number of Containers	/ / / / / / / / / / / /										FOR LAB USE ONLY																	
	BTXG EPA 601																											
* Explanation of Preservative _____																												
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers		FOR LAB USE ONLY																					
<u>MW-17</u>		<u>3-6-92</u>	<u>H₂O</u>	<u>40mls</u>	<u>2</u>	<u>XP</u>	<u>-01A,B</u>																					
<u>MW-17</u>					<u>2</u>	<u>X</u>	<u>6 C,D</u>																					
<u>MW-18</u>					<u>2</u>	<u>XP</u>	<u>02A,B</u>																					
<u>MW-18</u>					<u>2</u>	<u>X</u>	<u>6 C,D</u>																					
<u>MW-19</u>					<u>2</u>	<u>XP</u>	<u>03A,B</u>																					
<u>MW-19</u>					<u>2</u>	<u>X</u>	<u>6 C,D</u>																					
<u>MW-20</u>					<u>2</u>	<u>XP</u>	<u>04A,B</u>																					
<u>MW-20</u>		<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>2</u>	<u>X</u>	<u>4 C,D</u>																					
CHAIN OF CUSTODY	Relinquished by: <u>Richard Shun</u>	Date/Time: <u>3-6-92/1740</u>	Received by: _____		Date/Time: _____																							
	Relinquished by: _____	Date/Time: _____	Received at Lab by: <u>Rebecca Lee Ch...</u>		Date/Time: <u>3/6/92 5:40</u>																							
	Method of Shipment: _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)																									
Authorized by: <u>Richard Shun (SAMPLER)</u>		Date: <u>3-6-92</u>																										
(Client Signature Must Accompany Request)																												

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

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

6/90

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PINK - Client Copy

Clayton

ENVIRONMENTAL CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page _____ of _____
 Project No. _____
 Batch No. 9003085
 Client No. _____
 Date Logged In 3/6/92 By RF

REPORT RESULTS TO	Name <u>DARIUSH DASTMALCHI</u> Title _____			Purchase Order No. _____			Client Job No. <u>38379.00</u>																																																																																					
	Company <u>HARSH</u> Dept. _____			Name <u>DARIUSH DASTMALCHI</u>			Company <u>CLAYTON</u> Dept. _____																																																																																					
Mailing Address _____																																																																																												
City, State, Zip _____																																																																																												
Telephone No. _____						Telefax No. _____																																																																																						
Date Results Required <u>NORMAL TAT</u>		Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No		Phone Results <input type="checkbox"/>		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)																																																																																						
Special Instructions (method, limit of detection, etc.) _____																																																																																												
* Explanation of Preservative: _____						<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Containers</th> <th colspan="11">ANALYSIS REQUESTED</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">FOR LAB USE ONLY</th> </tr> <tr> <td></td> <td style="text-align: center;">BTXs</td> <td style="text-align: center;">EPA 601</td> <td style="text-align: center;">HOLD</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td style="text-align: center;">Xp</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="text-align: center;">-05 A,B</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="text-align: center;">↓ C,D</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">Xp</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="text-align: center;">-06 A,B</td> </tr> </table>						Number of Containers	ANALYSIS REQUESTED											FOR LAB USE ONLY		BTXs	EPA 601	HOLD															Xp															-05 A,B			X														↓ C,D				Xp													-06 A,B
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			Xp													-06 A,B																																																																												
CLIENT SAMPLE IDENTIFICATION			DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)																																																																																							
<u>MW-21</u>			<u>3-6-92</u>	<u>H₂O</u>	<u>40mLs</u>	<u>2</u>	Xp																																																																																					
<u>MW-21</u>			↓	↓	↓	<u>2</u>		X																																																																																				
<u>TRIP BLANKS (20030292) HCL</u>			↓	↓	↓	<u>2</u>			Xp																																																																																			

CHAIN OF CUSTODY	Relinquished by: <u>Richard Silva</u> Date/Time <u>3-6-92/1740</u>			Received by: _____ Date/Time _____					
	Relinquished by: _____ Date/Time _____			Received at Lab by: <u>Rebecca & Tim Charles</u> Date/Time <u>3/6/92 5:40</u>					
	Method of Shipment: _____			Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____					
Authorized by: <u>Richard Silva (SAMPLED)</u> Date <u>3-6-92</u> (Client Signature Must Accompany Request)									

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48375
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

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

DISTRIBUTION:
 WHITE - Clayton Laboratory
 YELLOW - Clayton Accounting
 PINK - Client Copy

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

April 1, 1992

Mr. Dariush Dastmalchi
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref. 39744.00
Clayton Project No. 92033.51

Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on March 31, 1992. 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 (510) 426-2657.

Sincerely,

Michael Lynch for

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

RHP/caa
Attachments

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92033.51

Sample Identification:	MW-1	Date Sampled:	03/31/92
Lab Number:	9203351-01A	Date Received:	03/31/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/31/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons</u>			
Chloromethane	74-87-3	ND	6
Bromomethane	74-83-9	ND	7
Vinyl chloride	75-01-4	ND	5
Chloroethane	75-00-3	ND	5
Methylene chloride	75-09-2	ND	20
1,1-Dichloroethene	75-35-4	ND	2
1,1-Dichloroethane	75-35-3	ND	4
Trans-1,2-Dichloroethene	156-60-5	ND	4
Cis-1,2-Dichloroethene	156-59-2	62	4
Chloroform	67-66-3	ND	5
1,2-Dichloroethane	107-06-2	ND	3
1,1,1-Trichloroethane	71-55-6	ND	5
Carbon tetrachloride	56-23-5	ND	6
Bromodichloromethane	75-27-4	ND	7
1,2-Dichloropropane	78-87-5	ND	5
Cis-1,3-Dichloropropene	10061-01-5	ND	5
Trichloroethene	79-01-6	200	3
Dibromochloromethane	124-48-1	ND	6
1,1,2-Trichloroethane	79-00-5	ND	6
Trans-1,3-Dichloropropene	10061-02-6	ND	6

ND Not detected at or above limit of detection

-- Information not available or not applicable

^a Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92033.51

Sample Identification:	MW-1	Date Sampled:	03/31/92
Lab Number:	9203351-01A	Date Received:	03/31/92
Sample Matrix/Media:	WATER	Date Analyzed:	03/31/92
Analytical Method:	EPA 601		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	ND	10
Bromoform	75-25-2	ND	7
Tetrachloroethene	127-18-4	1,100	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Chlorobenzene	108-90-7	ND	7
1,3-Dichlorobenzene	541-73-7	ND	20
1,2-Dichlorobenzene	95-50-1	ND	40
1,4-Dichlorobenzene	106-46-7	ND	40
Dichlorodifluoromethane	75-71-8	ND	10
Trichlorofluoromethane	75-69-4	ND	4
Freon 113	76-13-1	ND	6
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	75	50 - 150

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

^a Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92033.51

Sample Identification: METHOD BLANK Date Sampled: --
Lab Number: 9203351-02A Date Received: --
Sample Matrix/Media: WATER Date Analyzed: 03/31/92
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
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

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

Results of Analysis
for
Harsch Investments

Client Reference: 39744.00
Clayton Project No. 92033.51

Sample Identification: METHOD BLANK Date Sampled: --
Lab Number: 9203351-02A Date Received: --
Sample Matrix/Media: WATER Date Analyzed: 03/31/92
Analytical Method: EPA 601

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Purgeable Halocarbons (continued)</u>			
2-Chloroethylvinylether	110-75-8	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
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
Bromochloromethane	74-97-5	84	50 - 150

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

Clayton

ENVIRONMENTAL
CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page <u>1</u> of <u>1</u>
Project No. <u>39744.00</u>	
Batch No. <u>9203351</u>	
Client No. _____	
Date Logged In <u>3/31/92</u> By <u>RKC</u>	

REPORT RESULTS TO	Name <u>Darvish Dastmalchi</u>	Title _____		Purchase Order No. _____		Client Job No. _____																																																														
	Company _____	Dept. _____		SEND INVOICE TO	Name <u>Haroch Investment</u>	Dept. _____																																																														
	Mailing Address _____	_____			Company _____	_____																																																														
	City, State, Zip _____	_____			Address _____	_____																																																														
	Telephone No. _____	Telefax No. _____			City, State, Zip _____	_____																																																														
	Date Results Required: <u>3/31/92</u>	Rush Charges Authorized? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Phone Results <input type="checkbox"/>	Samples are: (check if applicable)			ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)																																																													
Special Instructions: (method, limit of detection, etc.) _____			<input type="checkbox"/> Drinking Water																																																																	
Explanation of Preservative: _____			<input type="checkbox"/> Collected in the State of New York			FOR LAB USE ONLY																																																														
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers				<table border="1" style="width: 100%; height: 100%; text-align: center;"> <tr><td colspan="6" style="text-align: center; transform: rotate(-45deg);">6 gal</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>			6 gal																																																								
6 gal																																																																				
<u>MW-7</u>		<u>3-31-92</u>	<u>Water</u>	<u>40ml</u>	<u>2</u>																																																															

CHAIN OF CUSTODY	Relinquished by: <u>Darvish Dastmalchi</u>	Date/Time <u>3-31-92</u>	Received by: _____	Date/Time _____
	Relinquished by: _____	Date/Time _____	Received at Lab by: <u>Alvord J. Turner/Chavelt</u>	Date/Time <u>3/31/92 9:45</u>
	Method of Shipment: _____		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	

Authorized by: _____ Date _____
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive Novi, MI 48375 (313) 344-1770	Raritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (201) 225-6040	400 Chastain Center Blvd., N.W. Suite 490 Kennesaw, GA 30144 (404) 499-7500	1252 Quarry Lane Pleasanton, CA 94566 (415) 426-2600
			DISTRIBUTION: WHITE - Clayton Laboratory YELLOW - Clayton Accounting PINK - Client Copy

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: South Shore Shopping Center

Date: 3/12/92

Well No: MW-7

Sampling Team: Mike Springman

Sampling Method: Submersible pump and bailer

Field Conditions: Rainy

Describe Equipment Decontamination Before Sampling This Well:

Total Depth of Well:

13.05 ft.

Time:

Depth to Water Before Purging:

3.7 ft.

Volume Height of Water Column:

9.35 ft.

*

2-inch

.16

4-inch

.65

=

Volume

6.07 gals

*

Purge Factor

4

=

To Purge

24.28 gals.

Depth Purging From: 12 ft.

Time Purging Begins:

Notes on Initial Discharge:

Time	Volume Purged	pH	Conductivity	T	Comments
1436	5	5	1,200		
1438	10	5.2	2,200		
1442	15	5.2	2,100		
1445	20	5.2	2,200		
1450	25	5.2	2,200		

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: South Shore Shopping Center

Date: 3/12/92

Well No: MW-8B

Sampling Team: Mike Springman

Sampling Method: Submersible pump and bailer

Field Conditions: Rainy

Describe Equipment Decontamination Before Sampling This Well:

Total Depth of Well:

21.9 ft.

Time:

Depth to Water Before Purging:

5.45 ft.

Volume Height of Water Column:

16.45 ft. *

2-inch

.16

4-inch

(.65)

= 10.69 gals *

Volume

Purge Factor

4

=

To Purge

42.76 gals.

Depth Purging From: 21 ft.

Time Purging Begins: 1328

Notes on Initial Discharge:

Time	Volume Purged	pH	Conductivity	T	Comments
1330	10	6.0	1,200		Clear
1333	20	6.0	1,400		
1345	30	5.8	5,000+		
1355	40	5.8	5,000+		
1400	45	5	5,000+		

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: South Shore Shopping Center

Date: 3/12/92

Well No: MW-15

Sampling Team: Mike Springman

Sampling Method: Submersible pump and bailer

Field Conditions: Rainy

Describe Equipment Decontamination Before Sampling This Well:

Total Depth of Well:

19.3 ft.

Time:

Depth to Water Before Purging:

3.55 ft.

Volume Height of Water Column:

15.75 ft.

*

2-inch

(.16)

4-inch

.65

=

Volume

2.52 gals

*

Purge Factor

4

=

To Purge

10.08 gals.

Depth Purging From: 5 ft.

Time Purging Begins:

Notes on Initial Discharge:

Time	Volume Purged	pH	Conductivity	T	Comments
	0	4.2	5.00 ms		Clear
	2	4.2	2.06 ms		Clear
	4	4.2	2.06 ms		Clear
	6	4.2	2.3 ms		
	8	4.2	2.4 ms		
	10	4.2	2.3 ms		

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: South Shore Shopping Center

Date: 3/12/92

Well No: MW-16

Sampling Team: Mike Springman

Sampling Method: Submersible pump and bailer

Field Conditions: Rainy

Describe Equipment Decontamination Before Sampling This Well:

Total Depth of Well:

30 ft.

Time:

1135

Depth to Water Before Purging:

6.3 ft.

Volume Height of Water Column:

23.7 ft.

*

2-inch

(.16)

4-inch

.65

=

Volume

3.79 gals

*

Purge Factor

X4

=

To Purge

15.16 gals.

Depth Purging From: ft.

Time Purging Begins:

Notes on Initial Discharge: Sulfur smell

Time	Volume Purged	pH	Conductivity	T	Comments
	1	4.8	>20 ms		Strong sulfur smell
	4	4.8	>20 ms		Strong sulfur smell
	6	4.8	>20 ms		Strong sulfur smell
	10	4.8	>20 ms		Strong sulfur smell
	12	4.8	>20 ms		Strong sulfur smell
	15	4.8	>20 ms		

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: Harsch

Date: 3/6/92

Well No: MW-17

Sampling Team: Richard Silva

Sampling Method: Disposable bailer for purging and sampling

Field Conditions: Partly cloudy, slight breeze, ~ 60°

Describe Equipment Decontamination Before Sampling This Well:

N/A

Total Depth of Well:

24.84 ft.

Time:

0945

Depth to Water Before Purging:

3.48 ft.

Volume Height of Water Column:

21.36 ft.

*

2-inch

.16

4-inch

.65

=

Volume

3.42 gals

*

Purge Factor

4

=

To Purge

13.67 gals.

Depth Purging From: ft.

Time Purging Begins: 0950

Notes on Initial Discharge: Silty, grayish, murky water

Time	Volume Purged	pH	Conductivity	T	Comments
1000	4	6.0	5,000+	18.9°C	Silty, grayish
1010	8	6.0	5,000+	18.9°C	Silty, grayish
1018	12	6.0	5,000+	18.9°C	Silty, grayish
1026	16	6.0	5,000+	18.9°C	Silty, grayish

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 1045

	Rep #1	Rep #2	Rep #3	Rep #4
pH	6.0	6.1	6.0	6.0
Conductivity	5,000+	5,000+	5,000+	5,000+
T°C	19.4	19.4	19.4	19.4

Pre-Sample Collection Gallons Purged: 16
Time Sample Collection Begins: 1035
Time Sample Collection Ends: 1040
Total Gallons Purged: 17

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: Harsch

Date: 3/6/92

Well No: MW-18

Sampling Team: Richard Silva

Sampling Method: Disposable bailer for purging and sampling

Field Conditions: Partly cloudy, slight breeze, ~ 60°

Describe Equipment Decontamination Before Sampling This Well:

N/A

Total Depth of Well:

24.80 ft.

Time:

1105

Depth to Water Before Purging:

9.76 ft.

Volume Height of Water Column:

15.04 ft.

*

2-inch

.16

4-inch

.65

=

Volume

2.41 gals

*

Purge Factor

4

=

To Purge

9.63 gals.

Depth Purging From: ft.

Time Purging Begins: 1115

Notes on Initial Discharge: Silty, grayish, murky water

Time	Volume Purged	pH	Conductivity	T	Comments
1119	3	6.2	5,000+	20.0°C	Silty, grayish
1125	6	6.1	5,000+	20.0°C	Silty, grayish
1137	9	6.1	5,000+	20.0°C	Silty, grayish
1144	12	6.0	5,000+	20.0°C	Silty, grayish

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 1204

	Rep #1	Rep #2	Rep #3	Rep #4
pH	6.2	6.1	6.2	6.2
Conductivity	5,000+	5,000+	5,000+	5,000+
T°C	20.0	20.0	20.0	20.0

Pre-Sample Collection Gallons Purged: 12
Time Sample Collection Begins: 1154
Time Sample Collection Ends: 1201
Total Gallons Purged: 13

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: Harsch

Date: 3/6/92

Well No: MW-19

Sampling Team: Richard Silva

Sampling Method: Disposable bailer for purging and sampling

Field Conditions: Partly cloudy, slight breeze, ~ 60°

Describe Equipment Decontamination Before Sampling This Well:

N/A

Total Depth of Well:

24.76 ft.

Time:

1230

Depth to Water Before Purging:

4.86 ft.

Volume Height of Water Column:

19.9 ft.

*

2-inch

.16

4-inch

.65

=

Volume

3.18 gals

*

Purge Factor

4

=

To Purge

12.74 gals.

Depth Purging From: ft.

Time Purging Begins: 1233

Notes on Initial Discharge: Silty, grayish, murky water

Time	Volume Purged	pH	Conductivity	T	Comments
1245	3	6.1	5,000+	19.4°C	Silty, grayish
1251	6	6.2	5,000+	19.4°C	Silty, grayish
1258	9	6.2	5,000+	19.4°C	Silty, grayish
1304	12	6.2	5,000+	19.4°C	Silty, grayish

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 1325

	Rep #1	Rep #2	Rep #3	Rep #4
pH	6.2	6.2	6.3	6.3
Conductivity	5,000+	5,000+	5,000+	5,000+
T°C	19.4	19.4	19.4	19.4

Pre-Sample Collection Gallons Purged: 12
Time Sample Collection Begins: 1315
Time Sample Collection Ends: 1320
Total Gallons Purged: 13

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: Harsch

Date: 3/6/92

Well No: MW-20

Sampling Team: Richard Silva

Sampling Method: Disposable bailer for purging and sampling

Field Conditions: Partly cloudy, slight breeze, ~ 60°

Describe Equipment Decontamination Before Sampling This Well:

N/A

Total Depth of Well:

24.98 ft.

Time:

1330

Depth to Water Before Purging:

6.28 ft.

Volume Height of Water Column:

18.70 ft.

*

2-inch

(.16)

4-inch

.65

=

Volume

2.99 gals

*

Purge Factor

4

=

To Purge

11.97 gals.

Depth Purging From: ft.

Time Purging Begins: 1338

Notes on Initial Discharge: Silty, grayish, murky water

Time	Volume Purged	pH	Conductivity	T	Comments
1347	3	6.2	5,000+	19.4°C	Silty, grayish
1355	6	6.2	5,000+	19.4°C	Silty, grayish
1403	9	6.1	5,000+	19.4°C	Silty, grayish
1412	12	6.2	5,000+	19.4°C	Silty, grayish

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 1440

	Rep #1	Rep #2	Rep #3	Rep #4
pH	6.3	6.3	6.1	6.1
Conductivity	5,000+	5,000+	5,000+	5,000+
T°C	19.4	19.4	19.4	19.419.4

Pre-Sample Collection Gallons Purged: 12
Time Sample Collection Begins: 1430
Time Sample Collection Ends: 1435
Total Gallons Purged: 13

Comments:

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM**

Job No: 39744.00

Site: Harsch

Date: 3/6/92

Well No: MW-21

Sampling Team: Richard Silva

Sampling Method: Disposable bailer for purging and sampling

Field Conditions: Partly cloudy, slight breeze, ~ 60°

Describe Equipment Decontamination Before Sampling This Well:

N/A

Total Depth of Well:

24.96 ft.

Time:

1455

Depth to Water Before Purging:

6.26 ft.

Volume Height of Water Column:

18.70 ft.

*

2-inch

.16

4-inch

.65

=

Volume

2.99 gals

*

Purge Factor

4

=

To Purge

11.97 gals.

Depth Purging From: ft.

Time Purging Begins: 1500

Notes on Initial Discharge: Silty, grayish, murky water

Time	Volume Purged	pH	Conductivity	T	Comments
1508	3	7.2	5,000+	18.9°C	Silty, grayish
1516	6	7.2	5,000+	18.9°C	Silty, grayish
1524	9	7.1	5,000+	18.9°C	Silty, grayish
1531	12	7.2	5,000+	18.9°C	Silty, grayish

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
 WATER SAMPLING FIELD SURVEY FORM
 (CONTINUED)

Time Field Parameter Measurement Begins: 1555

	Rep #1	Rep #2	Rep #3	Rep #4
pH	7.2	7.1	7.2	7.2
Conductivity	5,000+	5,000+	5,000+	5,000+
T°C	18.9	18.9	18.9	18.9

Pre-Sample Collection Gallons Purged: 12
Time Sample Collection Begins: 1540
Time Sample Collection Ends: 1545
Total Gallons Purged: 13

Comments: