

April 22, 1997

*TPH SS = found in  
all 3 wells  
nd for benzene*

Susan Hugo  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway #250  
Alameda, California 94502-6577

**Re: STID #819  
Fourth Quarter 1996 and First Quarter 1997 Groundwater  
Monitoring Reports for the former City of Paris Cleaners, 3516  
Adeline Oakland, California 94608**

Dear Susan,

I am enclosing the monitoring reports for the fourth quarter of 1996 and the first quarter of 1997. We have now completed three monitoring events in a row. Our numbers are up and down. There are several categories in each well that we are testing at every event that have minimal or no detection levels. Is it possible if we are not at a closing stage, that we could eliminate some of our individual tests?

I look forward to hearing from you and await your advice as to which direction to go next.

Thank you,

*Linda Champion*  
Linda Champion  
9441 Laguna Lake Way  
Elk Grove, California 95758  
(916) 684-2993

Enclosures

97 APR 24 PM 3:36  
ENVIRONMENTAL  
PROTECTION

# DUGAN ASSOCIATES

ENVIRONMENTAL SERVICES 1023B Martin Ave, Santa Clara, CA. 95050 408/988-5946 FAX 988-5947

**INVOICE # 218-1.1**  
Invoice Date: August 6, 1996

Ms. Linda Champion  
9441 Laguna Lake Way  
Elk Grove, California 95758

### Services Provided:

Billing for sampling monitoring wells MW-1, MW-2, and MW-3 (2nd Quarter 1996 sampling event), preparing a chain of custody record, submitting the groundwater samples to Monroe Laboratories Inc. for laboratory analysis, and preparation of a monitoring report.

<b><u>Task 1: FIELD WORK</u></b>		
Sampling Rig and Crew, Travel	(2 Qtrs x 3 Wells @ \$85/Well)	\$255.00
<b><u>Task 2: LABORATORY ANALYSES (Standard turnaround)</u></b>		
PHg, BTEX, and MTBE	(1 Qtrs x 3 Wells @ \$57/each)	\$171.00
TPHd	(1 Qtrs x 3 Wells @ \$57/each)	\$171.00
TPHss	(1 Qtrs x 3 Wells @ \$57/each)	\$171.00
<b><u>Task 3: REPORT PREPARATION &amp; PROJECT SUPERVISION</u></b>		
Report writing, drafting and clerical		\$150.00
Registered Geologist	6 hrs @ \$85/hr	\$255.00
<b>TOTAL</b>		<b>\$1,173.00</b>
<b>TOTAL AMOUNT RECIEVED</b>		<b>\$513.00</b>
<b><u>TOTAL AMOUNT DUE</u></b>		<b><u>\$660.00</u></b>

### Remit to:

Dugan Associates  
1023B Martin Avenue  
Santa Clara, CA 95050

TERMS: DUE UPON RECEIPT - SUBJECT TO INTEREST  
CHARGE AT 1.5% PER MONTH AFTER 30 DAYS  
PLEASE PAY FROM THIS INVOICE



Third-Party Well Sampling  
Groundwater Geology  
License # RG 6253

## DUGAN ASSOCIATES

1023B Martin Avenue, Santa Clara, CA. 95050  
Telephone 408/287-2175 Fax 408/287-2176

Bill Dugan, R.G.

INVOICE # 218-I.2  
Invoice Date: April 16, 1997

Ms. Linda Champion  
9441 Laguna Lake Way  
Elk Grove, California 95758

**Services Provided:**

Billing for sampling monitoring wells MW-1, MW-2, and MW-3 (4th Quarter 1996), preparing a chain of custody record, submitting the groundwater samples to Monroe Laboratories Inc. for laboratory analysis, and preparation of a monitoring report.

**Task 1: FIELD WORK**

Sampling Rig and Crew, Travel (1 Qrs x 3 Wells @ \$85/Well) \$255.00

**Task 2: LABORATORY ANALYSES (Standard turnaround)**

TPHs and BTEX (1 Qtrs x 3 Wells @ \$99.00/each) \$297.00

**Task 3: REPORT PREPARATION & PROJECT SUPERVISION**

Report writing, drafting and clerical \$150.00

Registered Geologist 6 hrs @ \$85/hr \$255.00

**TOTAL AMOUNT DUE**

**\$957.00**

Remit to:

Dugan Associates  
1023B Martin Avenue  
Santa Clara, CA 95050

pd 513<sup>00</sup> by  
4 Champions  
BD

3444<sup>00</sup>

TERMS: DUE UPON RECEIPT - SUBJECT TO INTEREST  
CHARGE AT 1.5% PER MONTH AFTER 30 DAYS  
PLEASE PAY FROM THIS INVOICE

INVOICE FOR OVERSIGHT COSTS

**Send Payment to:** State Water Resources Control Board  
Underground Storage Tank Local Oversight Program  
PO Box 944212  
Sacramento, CA 94244-2120

**Bill Date:**  
04/18/97

Local Agency: COUNTY OF ALAMEDA

Site Location:

SITE # 819

LINDA CHAMPION  
9441 LAGUNA LAKE WAY  
ELK GROVE, CA 95758

CITY OF PARIS CLEANING/DYEING  
3516 ADELIN ST  
OAKLAND, CA  
94608

Total previously billed:	\$ 1,614.42
Payment(s) received as of 06/19/96	\$ 1,891.08
**New Charges - Billing Period:07/01/96 through 12/31/96	\$ 409.32

FUND: F Total amount due: \$ 132.66

State Health and Safety Code Sections 25297.1 and 25360 and Title 42 of the United States Code Section 6991b(h)(6) require recovery of costs associated with the local oversight program. When your site was put in the local oversight program, you received a letter explaining that the State Water Resources Control Board (State Board) would bill you for public costs of cleanup oversight.

This bill includes site specific and program management charges. Site specific charges directly relate to your site. Examples are sampling for soil and ground water contamination, site inspections, and reviewing reports and workplans. A description of activity codes follows the itemized charges. Program management includes other costs associated with program operation. Such costs may include: space rental, office services and supplies, purchase of sampling equipment, training and the salary and benefits of support personnel (i.e., clerical staff, accountant, program supervisor). Program management charges are calculated at not more than 50 percent of site specific charges. The exact rate is shown on the last page of your bill. If you received an invoice for a previous billing period, those charges are shown as "Total Previously Billed". Any payments you made on the previous billing are shown as "Payment Received". The total of any unpaid previous balance plus new charges is shown as "Total Amount Due".

\*\* See itemized list of new charges on next page(s). FOR INFORMATION CALL: LORI CASIES (916) 227-4325

**PAYMENT IS DUE IN 30 DAYS--PLEASE NOTE--Recent legislation eliminated cost recovery. There will be no cost recovery for oversight services performed on or after January 1, 1997. This change does not forgive any past due amounts or any invoices covering services provided through December 31, 1996.**

-----cut on this line-----  
Return this part with your check made payable to SWRCB. Use the enclosed envelope and send to the address above.

Local Agency: COUNTY OF ALAMEDA

Site #: 819  
Site Location:

LINDA CHAMPION  
9441 LAGUNA LAKE WAY  
ELK GROVE, CA 95758

CITY OF PARIS CLEANING/DYEING  
3516 ADELIN ST  
OAKLAND, CA  
94608

Total amount due: \$ 132.66

Enter amount paid: \$ \_\_\_\_\_

ITEMIZED NEW CHARGES

Site specific charges for billing period: 07/01/96 - 12/31/96

DATE	NAME	*ACT	HOURS		RATE		IND	TRAVEL	TOTAL
			ST	OT	ST	OT			
07/02/96	Hugo, Susan	212	0.50	0.0	47.98	0.00	0.1510	0.00	27.61
07/02/96	Hugo, Susan	215	0.80	0.0	47.98	0.00	0.1510	0.00	44.18
07/08/96	Hugo, Susan	210	1.20	0.0	47.98	0.00	0.1510	7.80	74.07
07/17/96	Hugo, Susan	215	1.00	0.0	47.98	0.00	0.1510	0.00	55.22
08/13/96	Hugo, Susan	212	0.30	0.0	47.98	0.00	0.1510	0.00	16.57
08/13/96	Hugo, Susan	215	0.80	0.0	47.98	0.00	0.1510	0.00	44.18
10/04/96	Hugo, Susan	215	0.20	0.0	47.98	0.00	0.1510	0.00	11.05
SITE SPECIFIC TOTALS:			4.8	0.0				\$	272.88
PROGRAM MANAGEMENT CHARGE (calculated at 50% of site specific charges):								\$	136.44
TOTAL NEW CHARGES								\$	409.32

\* ACTIVITY CODES AND DESCRIPTIONS: (ACT)

- 300 (200) Responsible Party identification and notification
- 304 (204) Meeting with Regional Board or other affected agencies regarding a specific site
- 306 (206) Development of enforcement actions against a Responsible Party
- 307 (207) Issuance of a closure document
- 310 (210) Site visits
- 311 (211) Sampling activities
- 312 (212) Meetings with responsible parties or responsible party consultants
- 315 (215) Review of reports, workplans, preliminary assessments, remedial action plans, or post-remedial monitoring

**GROUNDWATER  
SAMPLING REPORT  
[DA-218-97Q1]**

**Report Date:** April 16, 1997

**Client:** Ms. Linda Champion  
9441 Laguna Lake Way  
Elk Grove, California 95758

**Site Address:** 3516 Adeline Street, Oakland, California.

**Site Description:** Former cleaners at the southeastern corner of the intersection of Adeline Street with 35th Street.

**Report Scope:** This report summarizes third party sampling performed by Dugan Associates at the project site. Supporting documentation provided by an independent State-certified laboratory are included in Attachment A.

**Work Performed:** The following tasks were performed by Dugan Associates for the three monitoring wells (MW-1, MW-2, and MW-3) at the site:

- 1) measured depth to water level;
- 2) performed subjective analyses for floating product;
- 3) purged at least three well volumes of water from the well;
- 4) collected groundwater samples; and
- 5) transported the groundwater samples to a State- certified laboratory for the analyses requested;

**Sampling Date:** Monitoring wells MW-1, MW-2, and MW-3 were sampled by personnel of Dugan Associates on March 18, 1997.

**Laboratory:** Laboratory analyses were performed at Entech Analytical Labs, Inc, in Sunnyvale, California (DHS Certified Number 1369). Chain of custody record and laboratory data sheets are presented in Appendix A.

**Analytical Methods:** Groundwater samples from wells MW-1, MW-2, and MW-3 were analyzed for the following:

- 1) the volatile hydrocarbon constituents benzene, toluene, ethylbenzene, total xylenes (BTEX) and MTBE by EPA Test Method 8020 / 602.
- 2) Total Petroleum Hydrocarbons as stoddard (TPHd) by GCFID (LUFT Method) following sample purge and trap by EPA Method 8015

**Field Methods:** **Groundwater Monitoring.** The static water level in each well is measured to the nearest 0.01-foot using an electric water-level sounder or oil/water interface probe (if the wells contain floating product) cleaned with Alconox® and water before use in each well. The liquid in the onsite wells is examined for visual evidence of hydrocarbons by gently lowering approximately half the length of a clean disposable bailer past the air/water interface. The sample is then retrieved and inspected for floating product, sheen, emulsion, color, and clarity. The thickness of floating product detected is recorded to the nearest 1/8-inch.

**Groundwater Sampling.** Wells which do not contain floating product are purged using a submersible pump or bailer. The pump, cables, and hoses are steam-cleaned or cleaned with Alconox® and water prior to use in each well. The wells are purged until withdrawal is of sufficient duration to result in stabilized pH, temperature, and electrical conductivity of the water, as measured using portable meters calibrated to a standard buffer and conductivity standard. If the well becomes dewatered, the water level is allowed to recover to at least 80 percent of the initial water level. A sample of the formation water is then collected from each of the wells using either a disposable bailer or cleaned stainless-steel bailer. The water samples are then gently poured into laboratory-supplied, 40-milliliter (ml) glass vials, 500 ml plastic bottles, or 1-liter glass bottles (as required per specific laboratory analysis), sealed with Teflon®-lined caps, and inspected for air bubbles to check for headspace, which would allow volatilization to occur. The samples are then labeled and promptly placed in iced storage. A field log of well excavation procedures and parameter monitoring is maintained. Water generated by the purging of wells is stored in 55-gallon drums onsite and remains the responsibility of the client. A Chain of Custody Record is initiated by the field geologist and updated throughout handling of the samples, and accompanies the samples to a laboratory certified by the State of California for the analyses requested. Samples are transported to the laboratory promptly to help ensure that recommended sample holding times are not exceeded. Samples are properly disposed of after their useful life has expired.



**Field Data Sheets:**

<b>WELL NO.:</b>	MW-1	<b>SAMPLE I.D.:</b>	W-MW-1
<b>DATE:</b>	03/18/97	<b>PARAMETERS:</b>	TPHss, BTEX
<b>WELL DIAMETER:</b>	2-in.	<b>CONTAINERS:</b>	1) 3 VOAs (40 ml) 2) 2 liter amber
<b>DEPTH TO WATER:</b>	12.37 ft.	<b>PRESERVATIVE:</b>	1) HCl
<b>WELL DEPTH:</b>	30 ft.		
<b>PURGE METHOD:</b>	Disposable Baller	<b>LABORATORY:</b>	Entech (DHS LAB 1369)
<b>SAMPLE METHOD:</b>	Disposable Baller	<b>COMMENTS:</b>	Product odor, spotty sheen.
<b>SAMPLED BY:</b>	Bill Dugan		

	<b>CUMULATIVE GAL.</b>	<b>TURBIDITY*</b>	<b>pH</b>	<b>E.C.#</b>	<b>TEMP<sup>^</sup></b>
<b>TIME</b>	<b>PURGED</b>				
11:30	2 gallons	<1	6.4	1320	66.0
-:-	7 gallons	<1	6.2	1340	66.2
11:40	8 gallons	<1	6.5	1300	66.3

\* = ml/liter      # = umhos/cm      ^ = fahrenheit

<b>WELL NO.:</b>	MW-2	<b>SAMPLE I.D.:</b>	W-MW-1
<b>DATE:</b>	03/18/97	<b>PARAMETERS:</b>	TPHss, BTEX
<b>WELL DIAMETER:</b>	2-in.	<b>CONTAINERS:</b>	1) 3 VOAs (40 ml) 2) 2 liter amber
<b>DEPTH TO WATER:</b>	10.61 ft.	<b>PRESERVATIVE:</b>	1) HCl
<b>WELL DEPTH:</b>	29.5 ft.		
<b>PURGE METHOD:</b>	Disposable Baller	<b>LABORATORY:</b>	ENTECH (DHS LAB 1369)
<b>SAMPLE METHOD:</b>	Disposable Baller	<b>COMMENTS:</b>	Product odor, spotty sheen.
<b>SAMPLED BY:</b>	Bill Dugan		

	<b>CUMULATIVE GAL.</b>	<b>TURBIDITY*</b>	<b>pH</b>	<b>E.C.#</b>	<b>TEMP<sup>^</sup></b>
<b>TIME</b>	<b>PURGED</b>				
10:30	2 gallons	<1	6.7	1320	63.2
-:-	7 gallons	<1	6.9	1360	63.2
10:40	9 gallons	<1	6.8	1360	63.2

\* = ml/liter      # = umhos/cm      ^ = fahrenheit

<b>WELL NO.:</b>	MW-3	<b>SAMPLE I.D.:</b>	W-MW-1
<b>DATE:</b>	03/18/97	<b>PARAMETERS:</b>	TPHss, TPHd, TPHg, BTEX, MTBE
<b>WELL DIAMETER:</b>	2-in.	<b>CONTAINERS:</b>	1) 3 VOAs (40 ml) 2) 2 liter amber
<b>DEPTH TO WATER:</b>	10.16 ft.	<b>PRESERVATIVE:</b>	1) HCl
<b>WELL DEPTH:</b>	30 ft.		
<b>PURGE METHOD:</b>	Disposable Baller	<b>LABORATORY:</b>	MONROE ANALYTICAL (DHS LAB 2034)
<b>SAMPLE METHOD:</b>	Disposable Baller	<b>COMMENTS:</b>	Product odor, spotty sheen.
<b>SAMPLED BY:</b>	Bill Dugan		

	<b>CUMULATIVE GAL.</b>	<b>TURBIDITY*</b>	<b>pH</b>	<b>E.C.#</b>	<b>TEMP<sup>^</sup></b>
<b>TIME</b>	<b>PURGED</b>				
10:50	2 gallons	<1	6.7	1380	62.9
-:-	7 gallons	<1	7.1	1380	62.8
11:10	10 gallons	<1	7.0	13890	62.8

\* = ml/liter      # = umhos/cm      ^ = fahrenheit

**Gradient:** Depth to water in wells MW-1, MW-2, and MW-3 were measured from a straight edge placed in a north-south orientation on the top of each christy box. The gradient was calculated to be approximately 0.16 ft/ft flowing approximately due north as illustrated in Figure 2.

**Analytical Results:** Summarized in Table 1, and presented in Attachment A. See Figure 3.

TABLE 1  
 CUMULATIVE GROUNDWATER MONITORING DATA  
 3516 Adeline Street  
 Oakland, California

<u>Well Date</u>	<u>Elevation of Wellhead</u>	<u>Depth to Water</u>	<u>Elevation of Groundwater</u>
<b><u>MW-1</u></b>			
11/18/92	17.44	13.99	3.45
11/04/93		16.79	0.65
03/08/94		14.14	3.30
08/02/94		13.18	4.26
02/08/95		10.92	6.52
07/08/96		11.62	5.82
10/09/96		14.11	3.33
03/18/97		12.37	5.07
<b><u>MW-2</u></b>			
11/18/92	17.31	13.18	4.13
11/04/93		14.84	2.47
03/08/94		11.50	5.81
08/02/94		13.14	4.17
02/08/95		8.18	9.13
07/08/96		11.06	6.25
10/09/96		12.38	4.93
03/18/97		10.61	6.70
<b><u>MW-3</u></b>			
11/18/92	17.44	13.93	3.51
11/04/93		15.16	2.28
03/08/94		13.43	4.01
08/02/94		12.82	4.62
02/08/95		7.62	9.82
07/08/96		10.97	6.47
10/09/96		11.84	5.60
03/18/97		10.16	7.28

Well Elevation per BT Associates . BM taken as 20 ft located at cement at gate entrance

TABLE 2  
RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES  
3516 Adeline Street  
Oakland, California

Well Date	TPHss	TPHd	Benzene	Toluene	Ethylbenzene	Total Xylenes	MtBE	TPHg
<u>MW-1</u>								
11/18/92	1,800	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
11/04/93	2,000	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
03/28/94	150	<50	35	40	72	120.	NA	NA
08/02/94	2,100	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
02/08/95	620	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
07/08/96	37,000	<50	1.6	<0.5	<0.5	74.	7.9	110,000*
10/09/96	42,000	NA	<0.5	5.0	<0.5	<0.5	NA	NA
03/18/97	2,600	NA	<0.5	1.5	1.5	9.6	<6.0	NA
<u>MW-2</u>								
11/18/92	630	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
11/04/93	3,200	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
03/28/94	45	<50	1.4	2	11	19	NA	NA
08/02/94	170	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
02/08/95	570	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
07/08/96	1,800	<50	<0.5	2.6	15	24	6.3	2,800*
10/09/96	4,100	NA	<0.5	0.57	<0.5	<0.5	NA	NA
03/18/97	240	NA	<0.5	0.57	<0.5	<0.5	5.3	NA
<u>MW-3</u>								
11/18/92	11,000	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
11/04/93	320	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
03/28/94	45	<50	0.8	0.9	5	10	NA	NA
08/02/94	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
02/08/95	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
07/08/96	2,500	<50	1.0	<0.5	8.8	8	10	2,200*
10/09/96	2,600	NA	<0.5	<0.5	<0.5	<0.5	NA	NA
03/18/97	2,500	NA	<0.5	0.61	0.63	5.2	NA	NA
MCLs	-----	1.0	-----	680	1,750	-----	-----	-----
DWALs	-----	--	100	-----	-----	-----	-----	-----

Results in micrograms/liter ( $\mu\text{g/l}$ ) = parts per billion (ppb).

ND: Less than the detection limit for the method of analysis (See laboratory data sheets).

MCLs: Maximum Contaminant Levels in Drinking Water, DHS (October 1990)

DWALs: Drinking Water Action Levels, DHS (October 1990) MtBE: Methyl-tert-Butyl-Ether

\*: Components found in the gasoline range, however they are not characteristic of gasoline components.

**Recommendation:** This report should be forwarded to the following regulatory agencies:

Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577  
Attn: Susan Hugo

**Limitations:** This report summarizes third party sampling performed by Dugan Associates at the project site for groundwater quality assessment purposes. No soil engineering or geotechnical references are implied nor should be inferred.

**Third-Party Statement:** Dugan Associates is a third-party groundwater sampling company which maintains a valid registration with the State of California to collect and interpret groundwater monitoring data at fuel leak sites. In order to maintain third-party status as a groundwater sampling organization, Dugan Associates does not install groundwater remediation or treatment systems [limited to Class A Contractors], and does not install monitoring wells [limited to C-57 Contractors].

**License Statement:** The UST Fund will only reimburse for activities of firms that maintain necessary registrations for legal operations in the State of California. Dugan Associates is recognized by the California UST Cleanup Fund, and by the California Board of Registration of Geologists as an qualified groundwater sampling firm.

**Certification:** I certify that the work presented in this report was performed under my supervision. To the best of my knowledge, the data contained herein are true and accurate, and the work was performed in accordance with professional standards.

 4/16/97  
\_\_\_\_\_  
William R. Dugan Date  
Field Services Manager, R.G.

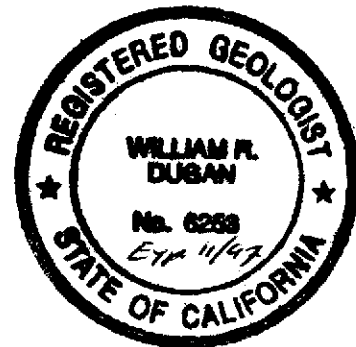
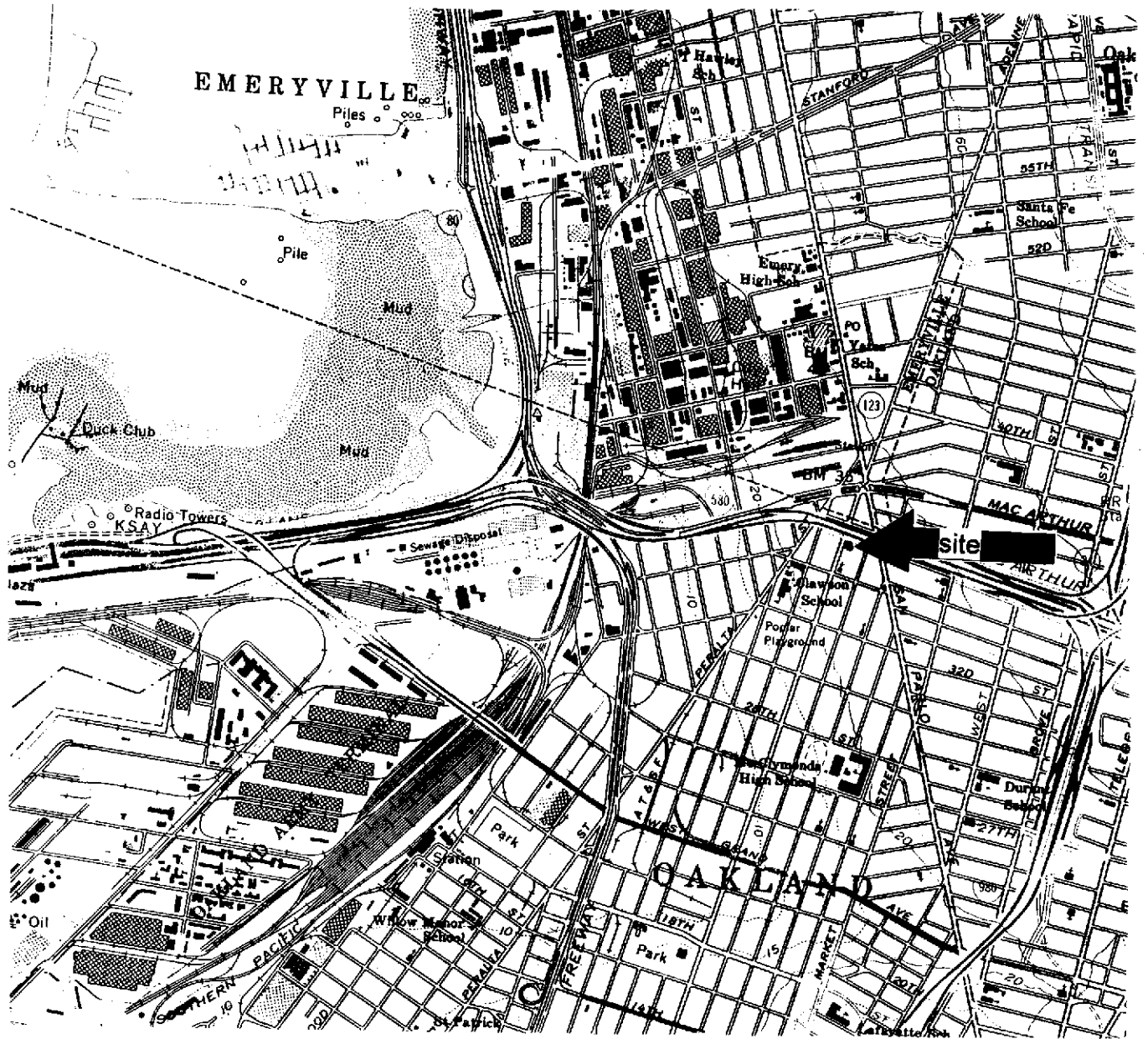
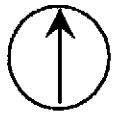


Figure 1. Site Vicinity Map  
Figure 2. Groundwater Gradient Map for October 9, 1996  
Figure 3. TPHss and Benzene in Groundwater October 9, 1996

Attached: Laboratory Data Sheets and Chain of Custody Record



Source: U.S. Geological Survey  
7.5-Minute Quadrangle  
Oakland West, California

2,000'  
Scale: 1" = 2,000'

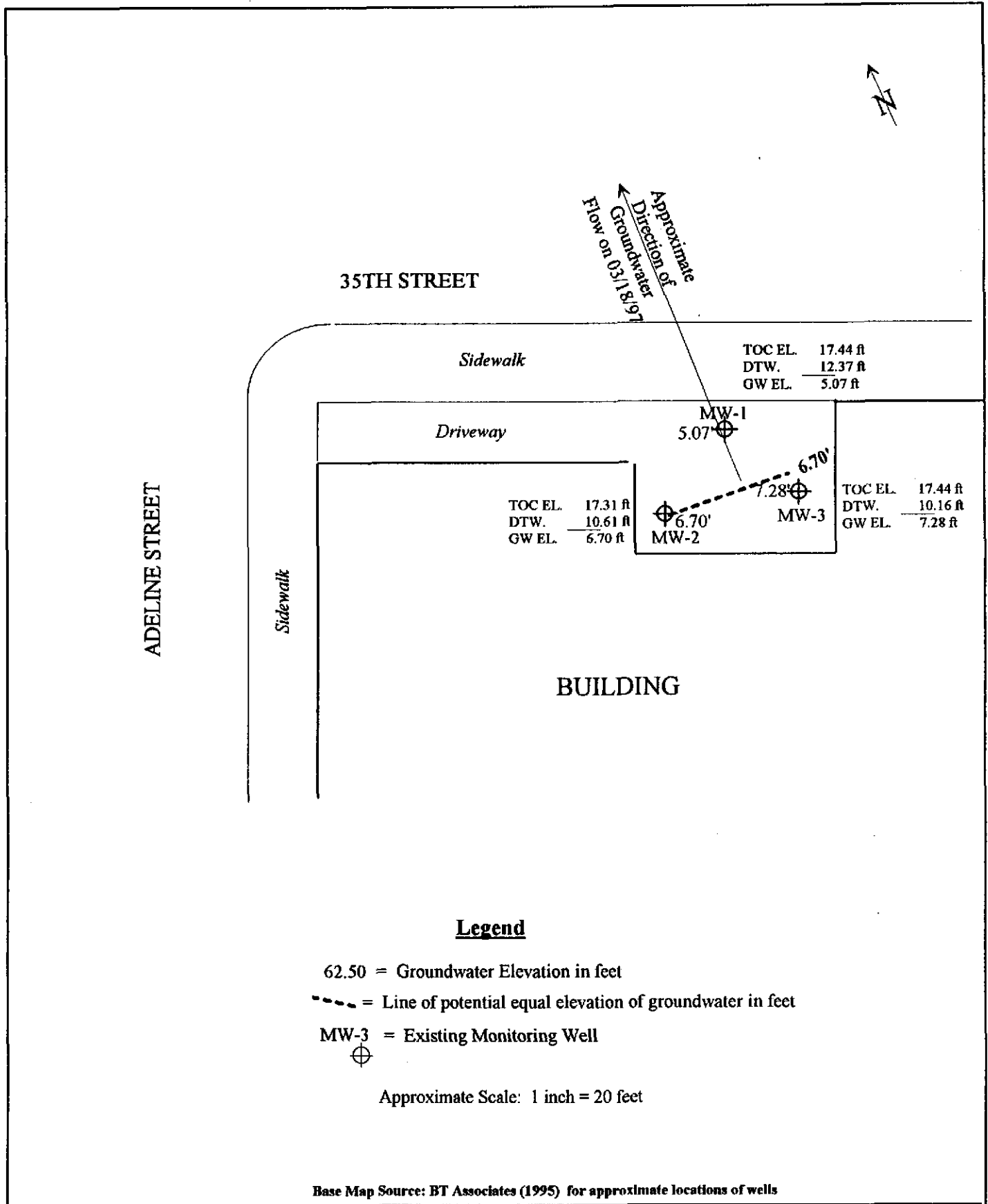
DUGAN ASSOCIATES  
1023B Martin Ave.  
Santa Clara, California

JOB NO. 218-1

Site Vicinity Map  
Former City of Paris Cleaner  
3516 Adeline Street  
Oakland, California

FIGURE

1



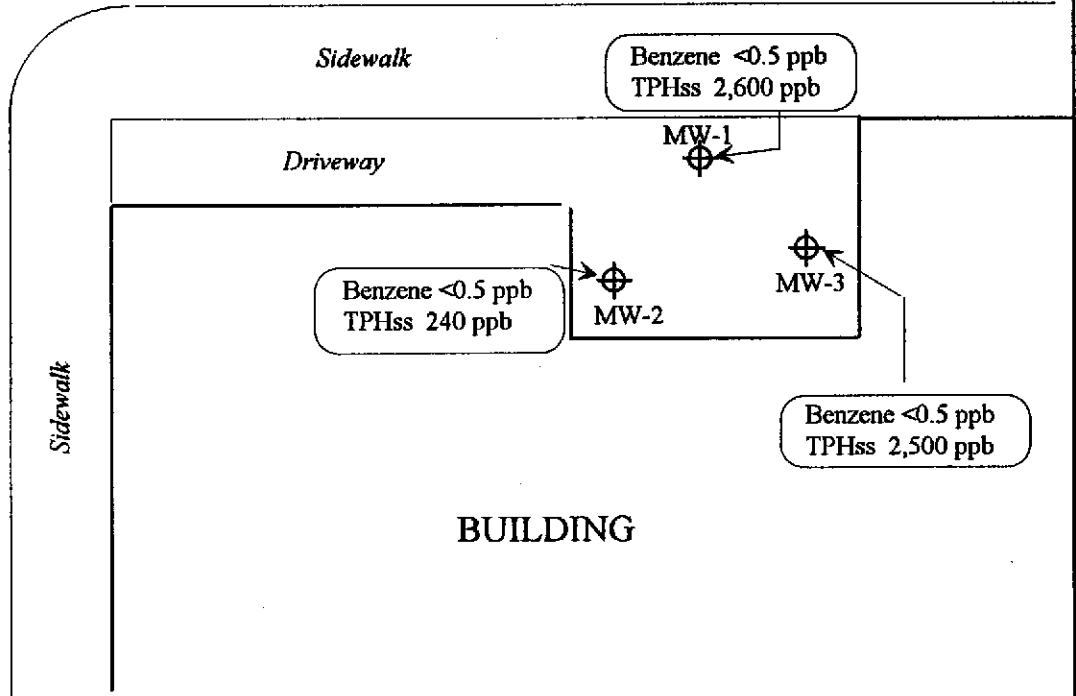
<b>DUGAN ASSOCIATES</b> 1023B Martin Ave. Santa Clara, California	<b>Groundwater Gradient Map (03/18/97)</b>  <b>Former City of Paris Cleaners</b> <b>3516 Adeline Street</b> <b>Oakland, California</b>	<b>FIGURE</b>  <b>2</b>
<b>JOB NO. 218-1</b>		



Approximate  
Direction of  
Groundwater  
Flow on 03/18/97

35TH STREET

ADELINE STREET



**Legend**

MW-3 = Existing Monitoring Well

Approximate Scale: 1 inch = 20 feet

Base Map Source: BT Associates (1995) for approximate locations of wells

<p>DUGAN ASSOCIATES 1023B Martin Ave. Santa Clara, California</p>	<p>TPHss and Benzene in Groundwater (03/18/97) Former City of Paris Cleaners 3516 Adeline Street Oakland, California</p>	<p>FIGURE 3</p>
<p>JOB NO. 218-1</p>		

**ATTACHMENT A**

**CHAIN OF CUSTODY RECORDS**

**AND**

**LABORATORY DATA SHEETS**



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553

Tele: 510-798-1620 Fax: 510-798-1622

04/04/97

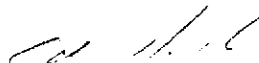
Dear Bill:

Enclosed are:

- 1). the results of 3 samples from your # 218.1; City Of Paris Cleaners project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,



Edward Hamilton, Lab Director



## QC REPORT FOR HYDROCARBON ANALYSES

Date: 03/26/97

Matrix: Water

Analyte	Concentration (mg/L)			Amount Spiked	% Recovery		
	Sample (#74673)	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	105.3	97.0	100.0	105.3	97.0	8.2
Benzene	0.0	8.8	9.3	10.0	88.0	93.0	5.5
Toluene	0.0	9.1	9.7	10.0	91.0	97.0	6.4
Ethyl Benzene	0.0	9.9	10.1	10.0	99.0	101.0	2.0
Xylenes	0.0	29.9	30.6	30.0	99.7	102.0	2.3
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	0	26500	26400	23700	112	111	0.4

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

8319ADA3

Dugan Associates  
1023B Martin Avenue, Santa Clara, CA 95050  
Phone: (408) 287-2175 FAX: (408) 287-2176

Third Party Geoservices

### Chain of Custody

DAES C.O.C Form #:

Sample Delivery: Work Scope: <i>Sample 3 wells</i>		Project Name: <i>City of Paris Cleaners (Former)</i>		Site Address: <i>Oakland, CA</i>		Project/ PO #: <i>218.2</i>		LUFT Method TPH-Diesel	LUFT Method TPH-Gasoline	TPH Standard BTEX/MTBE	Purgeable Aromatics (602/8020) & TPH-Gasoline	Total Lead	Title 22 Metals (CAM 17)	5 Metals (Cd, Cr, Pb, Ni, Zn)	EPA Method 8270	EPA Method 8240	EPA Method 8010	TPH as Motor Oil	pH	Acidified	
Project Manager: <b>Bill Dugan</b> Phone: 408-287-2175 Fax: 408-287-2176		Laboratory: <b>McCampbell</b>		Turn Around <b>Standard</b>																	
SAMPLE ID	LOCATION DESCRIPTION	SAMPLED		Received Time	# of Ctrs.	MATRIX															
		Time	Date			Soil	Water	Air													
+ W-mw-1			<i>3/19/97</i>		<i>3</i>		<input checked="" type="checkbox"/>			<i>X</i>											
+ w-mw-2			<i>3/19/97</i>		<i>3</i>		<input checked="" type="checkbox"/>			<i>X</i>											
(+) w-mw-3			<i>3/19/97</i>		<i>3</i>		<input checked="" type="checkbox"/>			<i>X</i>											

74678  
74679  
74680

ICET     PRESERVATIVE   
 GOOD CONDITION     APPROPRIATE CONTAINERS   
 LEAD SPACE ABSENT

Sampler's name: <b>William R. Dugan</b>	Comments:
Sampler's signature: <i>William R. Dugan</i> <i>3/25/97</i>	
Relinquished by: <i>William R. Dugan</i> <i>10:45 AM</i>	Received by: <i>Sam Carter</i> Date: <i>3-25-97</i>
Relinquished by: <i>Sam Carter</i>	Received by: <i>Alida Rivera</i> Date: <i>3-25-97</i>

**GROUNDWATER  
SAMPLING REPORT  
[DA-218-96Q4]**

**Report Date:** April 16, 1997

**Client:** Ms. Linda Champion  
9441 Laguna Lake Way  
Elk Grove, California 95758

**Site Address:** 3516 Adeline Street, Oakland, California.

**Site Description:** Former cleaners at the southeastern corner of the intersection of Adeline Street with 35th Street.

**Report Scope:** This report summarizes third party sampling performed by Dugan Associates at the project site. Supporting documentation provided by an independent State-certified laboratory are included in Attachment A.

**Work Performed:** The following tasks were performed by Dugan Associates for the three monitoring wells (MW-1, MW-2, and MW-3) at the site:

- 1) measured depth to water level;
- 2) performed subjective analyses for floating product;
- 3) purged at least three well volumes of water from the well;
- 4) collected groundwater samples; and
- 5) transported the groundwater samples to a State- certified laboratory for the analyses requested;

**Sampling Date:** Monitoring wells MW-1, MW-2, and MW-3 were sampled by personnel of Dugan Associates on October 9, 1996.

**Laboratory:** Laboratory analyses were performed at Entech Analytical Labs, Inc, in Sunnyvale, California (DHS Certified Number 1369). Chain of custody record and laboratory data sheets are presented in Appendix A.

**Analytical Methods:** Groundwater samples from wells MW-1, MW-2, and MW-3 were analyzed for the following:

- 1) the volatile hydrocarbon constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Test Method 8020 / 602.
- 2) Total Petroleum Hydrocarbons as stoddard (TPHd) by GCFID (LUFT Method) following sample purge and trap by EPA Method 8015

**Field Methods:** **Groundwater Monitoring.** The static water level in each well is measured to the nearest 0.01-foot using an electric water-level sounder or oil/water interface probe (if the wells contain floating product) cleaned with Alconox® and water before use in each well. The liquid in the onsite wells is examined for visual evidence of hydrocarbons by gently lowering approximately half the length of a clean disposable bailer past the air/water interface. The sample is then retrieved and inspected for floating product, sheen, emulsion, color, and clarity. The thickness of floating product detected is recorded to the nearest 1/8-inch.

**Groundwater Sampling.** Wells which do not contain floating product are purged using a submersible pump or bailer. The pump, cables, and hoses are steam-cleaned or cleaned with Alconox® and water prior to use in each well. The wells are purged until withdrawal is of sufficient duration to result in stabilized pH, temperature, and electrical conductivity of the water, as measured using portable meters calibrated to a standard buffer and conductivity standard. If the well becomes dewatered, the water level is allowed to recover to at least 80 percent of the initial water level. A sample of the formation water is then collected from each of the wells using either a disposable bailer or cleaned stainless-steel bailer. The water samples are then gently poured into laboratory-supplied, 40-milliliter (ml) glass vials, 500 ml plastic bottles, or 1-liter glass bottles (as required per specific laboratory analysis), sealed with Teflon®-lined caps, and inspected for air bubbles to check for headspace, which would allow volatilization to occur. The samples are then labeled and promptly placed in iced storage. A field log of well excavation procedures and parameter monitoring is maintained. Water generated by the purging of wells is stored in 55-gallon drums onsite and remains the responsibility of the client. A Chain of Custody Record is initiated by the field geologist and updated throughout handling of the samples, and accompanies the samples to a laboratory certified by the State of California for the analyses requested. Samples are transported to the laboratory promptly to help ensure that recommended sample holding times are not exceeded. Samples are properly disposed of after their useful life has expired.

**Field Data Sheets:**

<b>WELL NO.:</b>	MW-1	<b>SAMPLE I.D.:</b>	W-MW-1
<b>DATE:</b>	10/09/96	<b>PARAMETERS:</b>	TPHss, BTEX
<b>WELL DIAMETER:</b>	2-in.	<b>CONTAINERS:</b>	1) 3 VOAs (40 ml) 2) 2 liter amber
<b>DEPTH TO WATER:</b>	14.11 ft.	<b>PRESERVATIVE:</b>	1) HCl
<b>WELL DEPTH:</b>	30 ft.	<b>LABORATORY:</b>	Entech (DHS LAB 1369)
<b>PURGE METHOD:</b>	Disposable Baller	<b>COMMENTS:</b>	Product odor, spotty sheen.
<b>SAMPLE METHOD:</b>	Disposable Baller		
<b>SAMPLED BY:</b>	Bill Dugan		

	<u>CUMULATIVE GAL.</u>	<u>TURBIDITY*</u>	<u>pH</u>	<u>E.C.#</u>	<u>TEMP^</u>
<b>TIME</b>	<b>PURGED</b>				
11:30	2 gallons	<1	6.5	1300	66.4
-:-	7 gallons	<1	6.5	1320	66.3
11:40	8 gallons	<1	6.5	1300	66.3

\* = ml/liter      # = umhos/cm      ^ = fahrenheit

<b>WELL NO.:</b>	MW-2	<b>SAMPLE I.D.:</b>	W-MW-1
<b>DATE:</b>	10/09/96	<b>PARAMETERS:</b>	TPHss, BTEX
<b>WELL DIAMETER:</b>	2-in.	<b>CONTAINERS:</b>	1) 3 VOAs (40 ml) 2) 2 liter amber
<b>DEPTH TO WATER:</b>	12.38 ft.	<b>PRESERVATIVE:</b>	1) HCl
<b>WELL DEPTH:</b>	29.5 ft.	<b>LABORATORY:</b>	ENTTECH (DHS LAB 1369)
<b>PURGE METHOD:</b>	Disposable Baller	<b>COMMENTS:</b>	Product odor, spotty sheen.
<b>SAMPLE METHOD:</b>	Disposable Baller		
<b>SAMPLED BY:</b>	Bill Dugan		

	<u>CUMULATIVE GAL.</u>	<u>TURBIDITY*</u>	<u>pH</u>	<u>E.C.#</u>	<u>TEMP^</u>
<b>TIME</b>	<b>PURGED</b>				
10:30	2 gallons	<1	6.9	1320	62.9
-:-	7 gallons	<1	6.9	1400	63.1
10:40	9 gallons	<1	6.9	1400	63.0

\* = ml/liter      # = umhos/cm      ^ = fahrenheit

<b>WELL NO.:</b>	MW-3	<b>SAMPLE I.D.:</b>	W-MW-1
<b>DATE:</b>	10/09/96	<b>PARAMETERS:</b>	TPHss, TPHd, TPHg, BTEX, MTBE
<b>WELL DIAMETER:</b>	2-in.	<b>CONTAINERS:</b>	1) 3 VOAs (40 ml) 2) 2 liter amber
<b>DEPTH TO WATER:</b>	11.84 ft.	<b>PRESERVATIVE:</b>	1) HCl
<b>WELL DEPTH:</b>	30 ft.	<b>LABORATORY:</b>	MONROE ANALYTICAL (DHS LAB 2034)
<b>PURGE METHOD:</b>	Disposable Baller	<b>COMMENTS:</b>	Product odor, spotty sheen.
<b>SAMPLE METHOD:</b>	Disposable Baller		
<b>SAMPLED BY:</b>	Bill Dugan		

	<u>CUMULATIVE GAL.</u>	<u>TURBIDITY*</u>	<u>pH</u>	<u>E.C.#</u>	<u>TEMP^</u>
<b>TIME</b>	<b>PURGED</b>				
10:50	2 gallons	<1	6.85	1380	63.0
-:-	7 gallons	<1	7.01	1390	62.7
11:10	10 gallons	<1	6.93	1390	62.7

\* = ml/liter      # = umhos/cm      ^ = fahrenheit

**Gradient:** Depth to water in wells MW-1, MW-2, and MW-3 were measured from a straight edge placed in a north-south orientation on the top of each christy box. The gradient was calculated to be approximately 0.17 ft/ft flowing approximately due north as illustrated in Figure 2.

**Analytical Results:** Summarized in Table 1, and presented in Attachment A. See Figure 3.

TABLE 1  
 CUMULATIVE GROUNDWATER MONITORING DATA  
 3516 Adeline Street  
 Oakland, California

<u>Well</u> Date	Elevation of Wellhead	Depth to Water	Elevation of Groundwater
<b>MW-1</b>			
11/18/92	17.44	13.99	3.45
11/04/93		16.79	0.65
03/08/94		14.14	3.30
08/02/94		13.18	4.26
02/08/95		10.92	6.52
07/08/96		11.62	5.82
10/09/96		14.11	3.33
<b>MW-2</b>			
11/18/92	17.31	13.18	4.13
11/04/93		14.84	2.47
03/08/94		11.50	5.81
08/02/94		13.14	4.17
02/08/95		8.18	9.13
07/08/96		11.06	6.25
10/09/96		12.38	4.93
<b>MW-3</b>			
11/18/92	17.44	13.93	3.51
11/04/93		15.16	2.28
03/08/94		13.43	4.01
08/02/94		12.82	4.62
02/08/95		7.62	9.82
07/08/96		10.97	6.47
10/09/96		11.84	5.60

Well Elevation per BT Associates . BM taken as 20 ft located at cement at gate entrance



TABLE 2  
RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES  
3516 Adeline Street  
Oakland, California

Well Date	TPHss	TPHd	Benzene	Ethyl-Toluene	Total benzene	Xylenes	MtBE	TPHg
<u>MW-1</u>								
11/18/92	1,800	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
11/04/93	2,000	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
03/28/94	150	<50	35	40	72	120.	NA	NA
08/02/94	2,100	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
02/08/95	620	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
07/08/96	37,000	<50	1.6	<0.5	<0.5	74.	7.9	110,000*
10/09/96	42,000	NA	<0.5	5.0	<0.5	<0.5	NA	NA
<u>MW-2</u>								
11/18/92	630	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
11/04/93	3,200	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
03/28/94	45	<50	1.4	2	11	19	NA	NA
08/02/94	170	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
02/08/95	570	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
07/08/96	1,800	<50	<0.5	2.6	15	24	6.3	2,800*
10/09/96	4,100	NA	<0.5	0.57	<0.5	<0.5	NA	NA
<u>MW-3</u>								
11/18/92	11,000	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
11/04/93	320	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
03/28/94	45	<50	0.8	0.9	5	10	NA	NA
08/02/94	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
02/08/95	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<50
07/08/96	2,500	<50	1.0	<0.5	8.8	8	10	2,200*
10/09/96	2,600	NA	<0.5	<0.5	<0.5	<0.5	NA	NA
MCLs	----	1.0	----	680	1,750	-----	-----	-----
DWALs	----	---	100	----	-----	-----	-----	-----

Results in micrograms/liter ( $\mu\text{g/l}$ ) = parts per billion (ppb).

ND: Less than the detection limit for the method of analysis (See laboratory data sheets).

MCLs: Maximum Contaminant Levels in Drinking Water, DHS (October 1990)

DWALs: Drinking Water Action Levels, DHS (October 1990) MtBE: Methyl-tert-Butyl-Ether

\*: Components found in the gasoline range, however they are not characteristic of gasoline components.

**Recommendation:** This report should be forwarded to the following regulatory agencies:

Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577  
Attn: Susan Hugo

**Limitations:** This report summarizes third party sampling performed by Dugan Associates at the project site for groundwater quality assessment purposes. No soil engineering or geotechnical references are implied nor should be inferred.

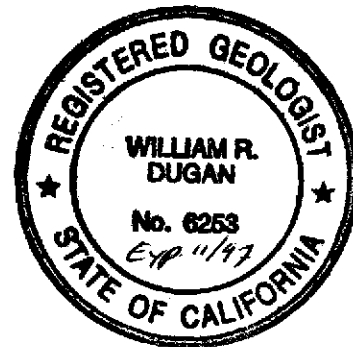
**Third-Party Statement:** Dugan Associates is a third-party groundwater sampling company which maintains a valid registration with the State of California to collect and interpret groundwater monitoring data at fuel leak sites. In order to maintain third-party status as a groundwater sampling organization, Dugan Associates does not install groundwater remediation or treatment systems [limited to Class A Contractors], and does not install monitoring wells [limited to C-57 Contractors].

**License Statement:** The UST Fund will only reimburse for activities of firms that maintain necessary registrations for legal operations in the State of California. Dugan Associates is recognized by the California UST Cleanup Fund, and by the California Board of Registration of Geologists as an qualified groundwater sampling firm.

**Certification:** I certify that the work presented in this report was performed under my supervision. To the best of my knowledge, the data contained herein are true and accurate, and the work was performed in accordance with professional standards.

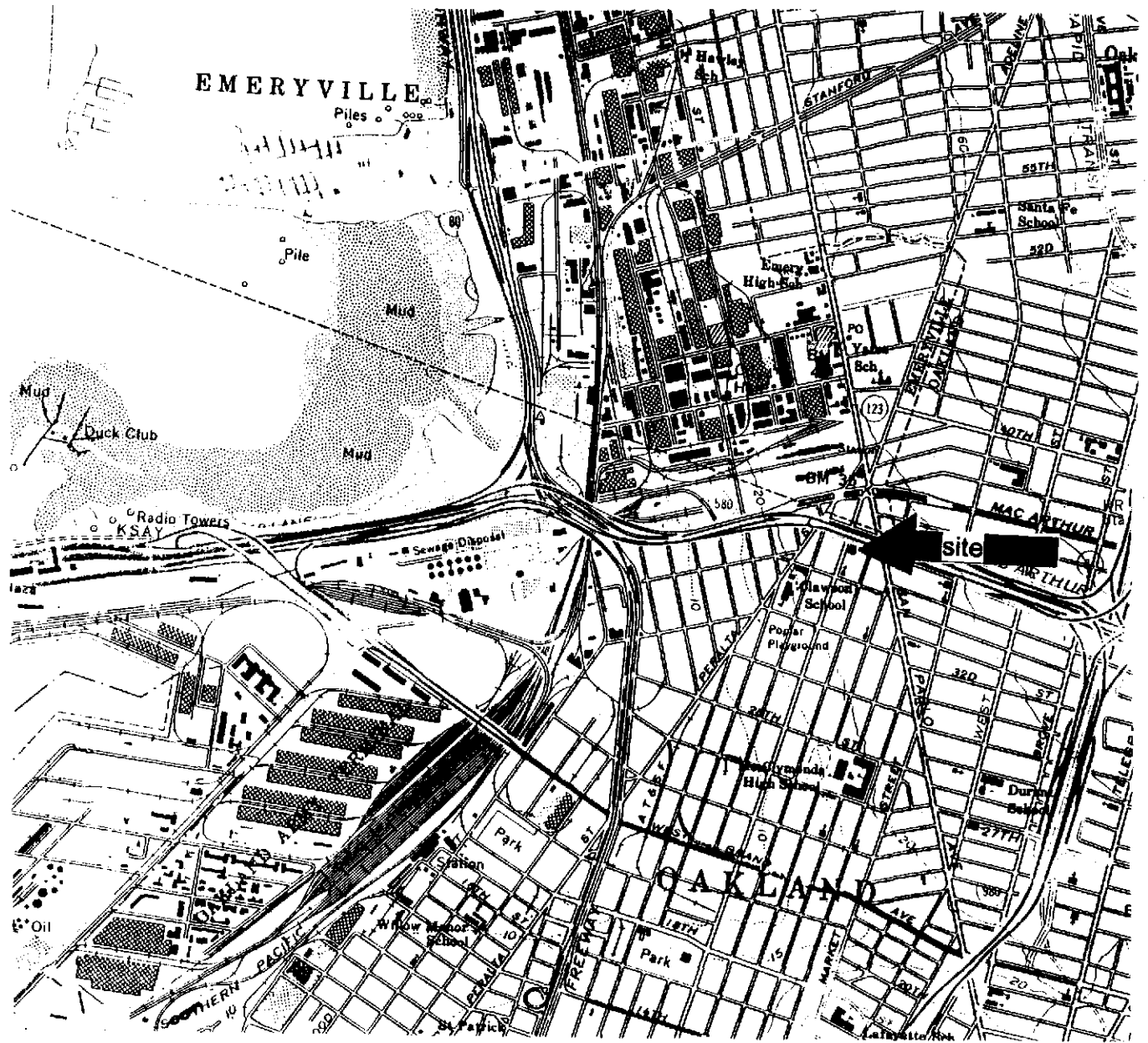
  
\_\_\_\_\_  
William R. Dugan  
Field Services Manager, R.G.

4/16/97  
Date



- Figure 1. Site Vicinity Map
- Figure 2. Groundwater Gradient Map for October 9, 1996
- Figure 3. TPHs and Benzene in Groundwater October 9, 1996

Attached: Laboratory Data Sheets and Chain of Custody Record



Source: U.S. Geological Survey  
7.5-Minute Quadrangle  
Oakland West, California

2,000'  
Scale: 1" = 2,000'

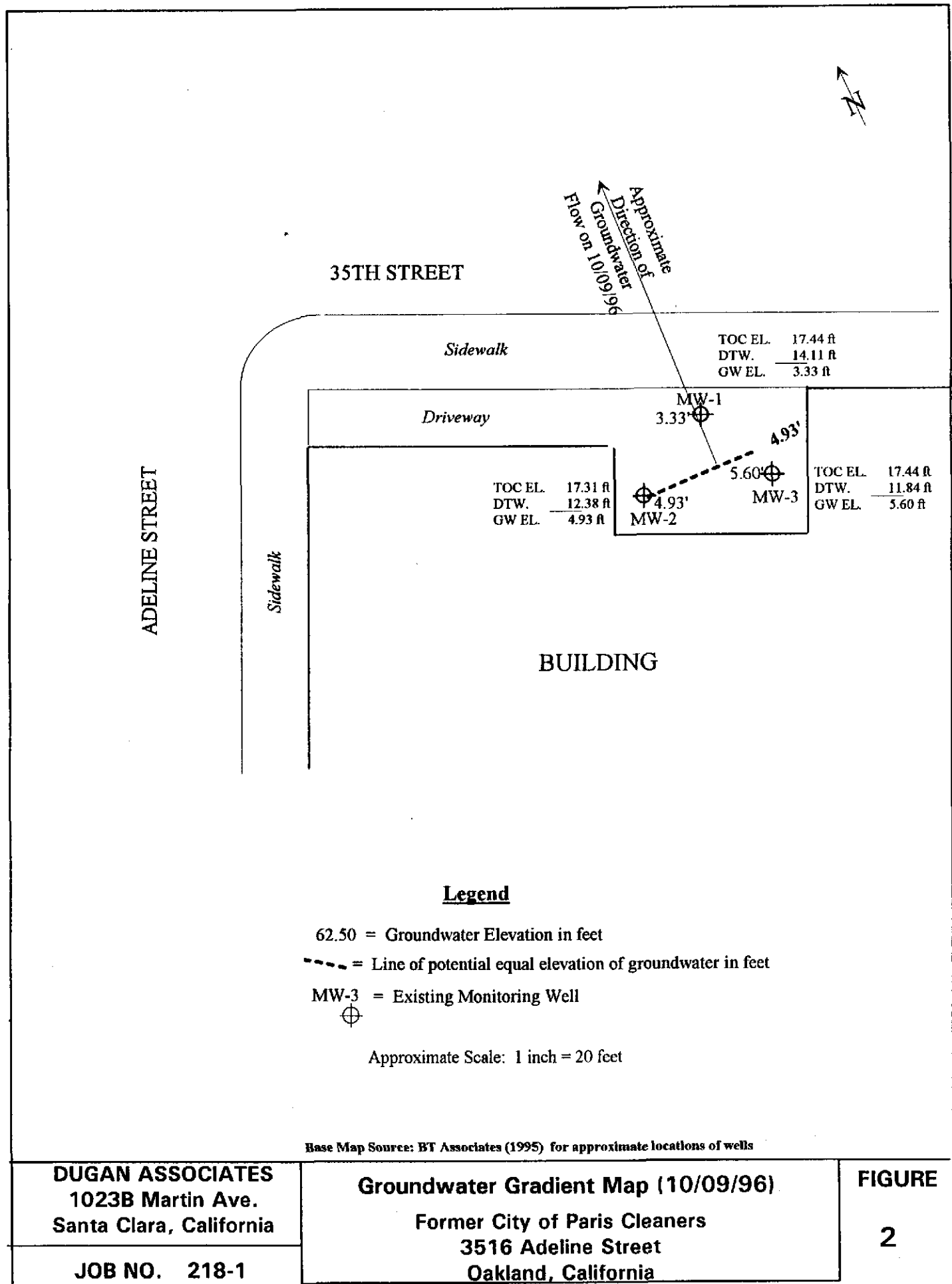
DUGAN ASSOCIATES  
1023B Martin Ave.  
Santa Clara, California

JOB NO. 218-1

Site Vicinity Map  
Former City of Paris Cleaner  
3516 Adeline Street  
Oakland, California

FIGURE

1



DUGAN ASSOCIATES  
1023B Martin Ave.  
Santa Clara, California

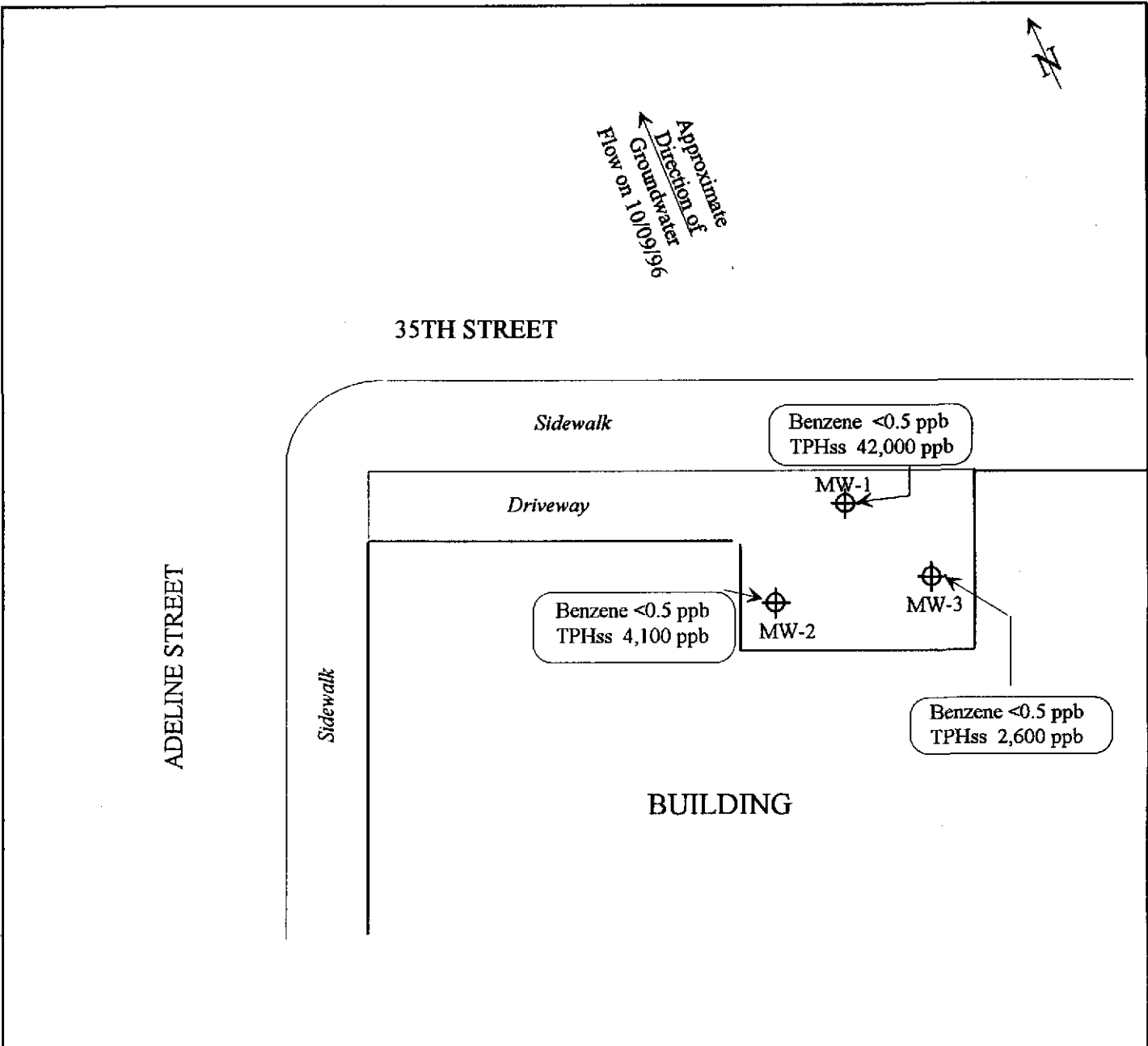
JOB NO. 218-1

**Groundwater Gradient Map (10/09/96)**

Former City of Paris Cleaners  
3516 Adeline Street  
Oakland, California

**FIGURE**

**2**



**Legend**

MW-3 = Existing Monitoring Well

Approximate Scale: 1 inch = 20 feet

Base Map Source: BT Associates (1995) for approximate locations of wells

<p><b>DUGAN ASSOCIATES</b>          1023B Martin Ave.          Santa Clara, California</p>	<p><b>TPHss and Benzene in Groundwater (10/09/96)</b></p> <p><b>Former City of Paris Cleaners</b>          3516 Adeline Street          Oakland, California</p>	<p><b>FIGURE</b></p> <p><b>3</b></p>
<p><b>JOB NO. 218-1</b></p>		

**ATTACHMENT A**

**CHAIN OF CUSTODY RECORDS**

**AND**

**LABORATORY DATA SHEETS**

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Attn: Bill Dugan  
Dugan Associates  
1023B Martin Avenue  
Santa Clara, CA 95050

Date:	10/22/96
Date Received:	10/11/96
Date Analyzed:	10/18-10/22/96
Project:	
Sampled By:	Client

## Certified Analytical Report

### Water Sample Analysis:

Test	MW-1	MW-2	MW-3	Units	PQL	EPA Method #
Sample Matrix	Water	Water	Water			
Sample Date						
Sample Time						
Lab #	C14152	C14153	C14154			
DF-Stoddard	12.5	1	1			
TPH-Stoddard	42,000	4,100	2,600 <sup>2</sup>	µg/liter	50.0 µg/l	8015M
DF-BTEX	10	2	2			
Benzene	ND	ND	ND	µg/liter	0.5 µg/l	8020
Toluene	5.0	0.57	ND	µg/liter	0.5 µg/l	8020
Ethyl Benzene	ND	ND	ND	µg/liter	0.5 µg/l	8020
Xylenes	ND	ND	ND	µg/liter	0.5 µg/l	8020

1.  $DLR = DF \times PQL$
2. TPH-Stoddard chromatogram for Lab #C14154, although within the reporting range, does not match the typical Stoddard pattern
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #1369)



Michael N. Golden, Lab Director

DF=Dilution Factor  
DLR=Detection Reporting Limit

PQL=Practical Quantitation Limit  
ND=None Detected at or above DLR

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG5961022

Date Analyzed: 10/22/96

Matrix: Water

Units: µg/L

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	SP % R	SPD µg/L	SPD %R	RPD	QC LIMITS (ADVISORY)	
										RPD	%R
MTBE	8020	<5.0	25	ND	26.3	105	24.2	97	8.3	25	50-150
Benzene	8020	<0.5	25	ND	27.8	111	26.2	105	5.9	25	50-150
Toluene	8020	<0.5	25	ND	22.0	88	22.0	88	0.0	25	50-150
Ethyl Benzene	8020	<0.5	25	ND	25.2	101	24.9	100	1.2	25	50-150
Xylenes	8020	<0.5	75	ND	71.0	95	69.0	92	2.9	25	50-150

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- NC: Not Calculated



**QUALITY CONTROL RESULTS SUMMARY**

METHOD: Gas Chromatography

QC Batch #: GBG5961018  
Matrix: Water  
Units: µg/L

Date Analyzed: 10/18/96

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	SP % R	SPD µg/L	SPD %R	RPD	QC LIMITS (ADVISORY)	
										RPD	%R
MTBE	8020	<5.0	25	ND	24.9	100	24.4	98	2.0	25	50-150
Benzene	8020	<0.5	25	ND	25.6	102	24.8	99	3.2	25	50-150
Toluene	8020	<0.5	25	ND	22.6	90	21.4	86	5.5	25	50-150
Ethyl Benzene	8020	<0.5	25	ND	24.7	99	24.1	96	2.5	25	50-150
Xylenes	8020	<0.5	75	ND	70.0	93	70.0	93	0.0	25	50-150

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- NC: Not Calculated

**QUALITY CONTROL RESULTS SUMMARY**

METHOD: Gas Chromatography

QC Batch #: DW961007

Matrix: Water

Units: µg/L

Date analyzed: 10/19/96

Date extracted: 10/18/96

PARAMETER	Method #	MB	SA	SR	SP	SP	SPD	SPD	RPD	QC LIMITS	
		µg/L	µg/L	µg/L	µg/L	%R	µg/L	%R		RPD	%R
Diesel	8015M	<50.0	950	ND	1002	105	992	104	1	25	50-150

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R) Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R) Spike Duplicate % Recovery
- NC: Not Calculated

# Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-1554

## Chain of Custody/Analysis Work Order

Client: Dugar  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Telephone #: \_\_\_\_\_  
 Date Received: \_\_\_\_\_  
 Turn Around: \_\_\_\_\_

Project ID: \_\_\_\_\_  
 Purchase Order #: \_\_\_\_\_

Sampler/Company: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
 Special Instructions/Comments  
Adeline

**LAB USE ONLY**

Samples arrived chilled and intact:  
 Yes  No

Notes: \_\_\_\_\_  
 \_\_\_\_\_

Sample Information								Requested Analysis									
Lab #	Sample ID	Grab/Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	Gas	BTEX	Diesel	Stoddard						
C14152	MW-1	1					3 VOAS, 2 AMB	X	X	X	X						
C14153	MW-2						2 VOAS, 2 AMB	X	X	X	X						
C14154	MW-3						3 VOAS, 2 AMB	X	X	X	X						

no gas  
 changed 10/17/96  
 Diesel  
 Stoddard

Relinq. By:	Received By:	Date	Time
Relinq. By:	<u>V. KRAW</u>	<u>10/11/96</u>	<u>5:30 pm</u>
Relinq. By:	Received By:	Date	Time