ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

March 4, 1992

Mr. Kurt Miller
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Miller:

The current account established in 1990 to fund the Department's oversight of the referenced site investigation has been depleted. The present account balance is $198.80 in arrears. This fact was discussed in some detail with you on December 20, 1991. In correspondence from this Department on that same date, you were requested to submit an additional $300. Since that time, monitoring reports/proposals have been reviewed, phone calls placed, and other time has been expended by staff on this project. Several "reminder" calls have been made to your voice mail system regarding the need for additional funds. To date, no additional monies have been received.

At this time you are directed to remit a deposit for $500 to cover the current account debit and to fund project oversight for the next several months. Please be reminded that such deposits are authorized by Section 3-141.6 of the Alameda County Ordinance Code. Please be advised that the county ordinance does provide for a collection mechanism to be invoked should responsible parties be recalcitrant in remitting appropriate fees.

Please call me at 510/271-4320 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Eddie So, RWQCB
Howard Hatayama, DHS
Mike Bakaldin, San Leandro Fire Department

Received 1/22/92
SDS

Weiss Associates
Environmental and Geologic Services
5500 Shellmound Street, Emeryville, CA 94608-2411 Fax: 510-547-5043 Phone: 510-547-5420

January 16, 1992

Mr. Scott Seery
Alameda County Department
of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621-1426

Re: Shell Service Station
WIC #204-6852-0703
1[redacted]
San Leandro, California 94577
WA Job #81-423-01

Dear Mr. Seery:

This letter describes Weiss Associates' (WA) fourth quarter 1991 activities at the Shell service station referenced above (Figure 1). This status report satisfies the quarterly reporting requirements outlined in our February 23, 1990 workplan, and prescribed by California Administrative Code Title 23 Waters, Chapter 3, Subchapter 16, Article 5, Section 265.d. Included below are:

- Descriptions and results of activities performed in the fourth quarter 1991, and
- Proposed work for the first quarter 1992.

FOURTH QUARTER 1991 ACTIVITIES

During this quarter, WA:

- Collected ground water samples from the one site well,
- Measured the ground water depth and determined the ground water elevation, and
- Analyzed the ground water samples and tabulated the analytic results.

These activities are described below.

Ground Water Sampling

WA collected ground water samples from monitoring well MW-1 (Figure 2) on December 9, 1991 as part of the quarterly ground water monitoring program at Shell Service Station WIC #204-6852-0703 in San Leandro, California.

Sampling Personnel: WA Environmental Technician Bruce Beale

Method of Purging Well: Dedicated PVC bailer

Volume of Water Purged Prior to Sampling:

- Well MW-1 was purged of four well-casing volumes, about 36 gallons.

Method of Collecting Ground Water Samples:

- Drawn through the sampling port on the side of the dedicated PVC bailer

Methods of Containing Ground Water Samples:

- 40 ml glass volatile organic analysis vials, preserved with hydrochloric acid and packed in protective foam sleeves
- 1000 ml amber glass bottles

All samples were refrigerated and transported under chain-of-custody to the analytical laboratory.

Water Samples Transported to:

- National Environmental Testing (NET), Pacific, Inc., Santa Rosa, California, and were received on December 11, 1991

Quality Assurance / Quality Control:

- A travel blank was submitted for analysis.
- An equipment blank was not necessary because a bailer is dedicated to well MW-1.

Water sample collection records and chain-of-custody forms are included in Attachments A and B, respectively.

Ground Water Elevation

The water depth was measured in well MW-1 on December 9, 1991. The ground water elevation decreased 0.74 ft from the previous quarter. Depth to water measurements and ground water elevations are presented in Table 1.

Chemical Analyses

The Ground Water Samples were Analyzed for:

- Total petroleum hydrocarbons as gasoline (TPH-G) by modified EPA Method 8015,
- Total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 8015,
- Benzene, ethylbenzene, toluene and xylenes (BETX) by EPA Method 8020, and
- Halogenated volatile organic compunds (HVOCs) by EPA Method 601.

The laboratory analyzed the samples from December 13 to 17, 1991. The results are presented in Table 2 and the analytic reports are included in Attachment B.

Discussion of Ground Water Analytic Results for this Quarter:

- Tetrachloroethylene (PCE) was detected at 0.016 ppm, which is over the Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water of 0.005 ppm.
- No TPH-G, TPH-D or BETX were detected this quarter.
- Although no hydrocarbons were detected in water samples from the monitoring well, hydrocarbons were detected in the trip blank, which suggests that the trip blank contained hydrocarbons when delivered to Weiss Associates.

Workplan for Additional Wells

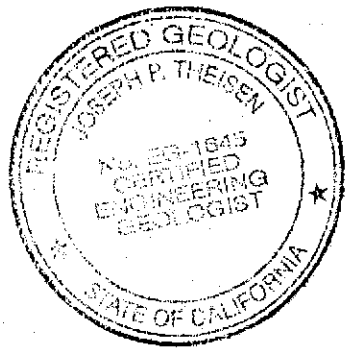
On September 23, 1991, WA submitted a subsurface investigation workplan to the Alameda County Department of Environmental Health (ACDEH). The scope of work for the subsurface investigation is to install two additional wells to assess the horizontal extent of hydrocarbons in soil and ground water, and to assess the ground water gradient and flow direction. WA will begin drilling once the ACDEH approves the workplan and should submit the investigation results to the ACDEH within about 60 days after drilling.

ANTICIPATED WORK FOR FIRST QUARTER 1992

During the first quarter 1992, on behalf of Shell Oil, WA plans to:

- Install two additional ground water monitoring wells as outlined in WA's workplan, and
- Prepare a quarterly status report presenting results of the well installation, monthly water depth and ground water analytic results.

Please call if you have any questions.



Sincerely,
Weiss Associates

David C. Elias
Staff Geologist

Joseph P. Theisen, C.E.G.
Senior Hydrogeologist

DCE/JPT:fcr

E:\ALL\SHELL\400\423QMJA2.WP

Attachments: Figures
Tables
A - Water Sample Collection Records
B - Analytic Report and Chain-of-Custody Form

cc: Kurt Miller, Shell Oil Company, P.O. Box 5278, Concord, California 94520-9998
Lester Feldman, Regional Water Quality Control Board - San Francisco Bay, 2101 Webster Street, Suite 500, Oakland, California 94612

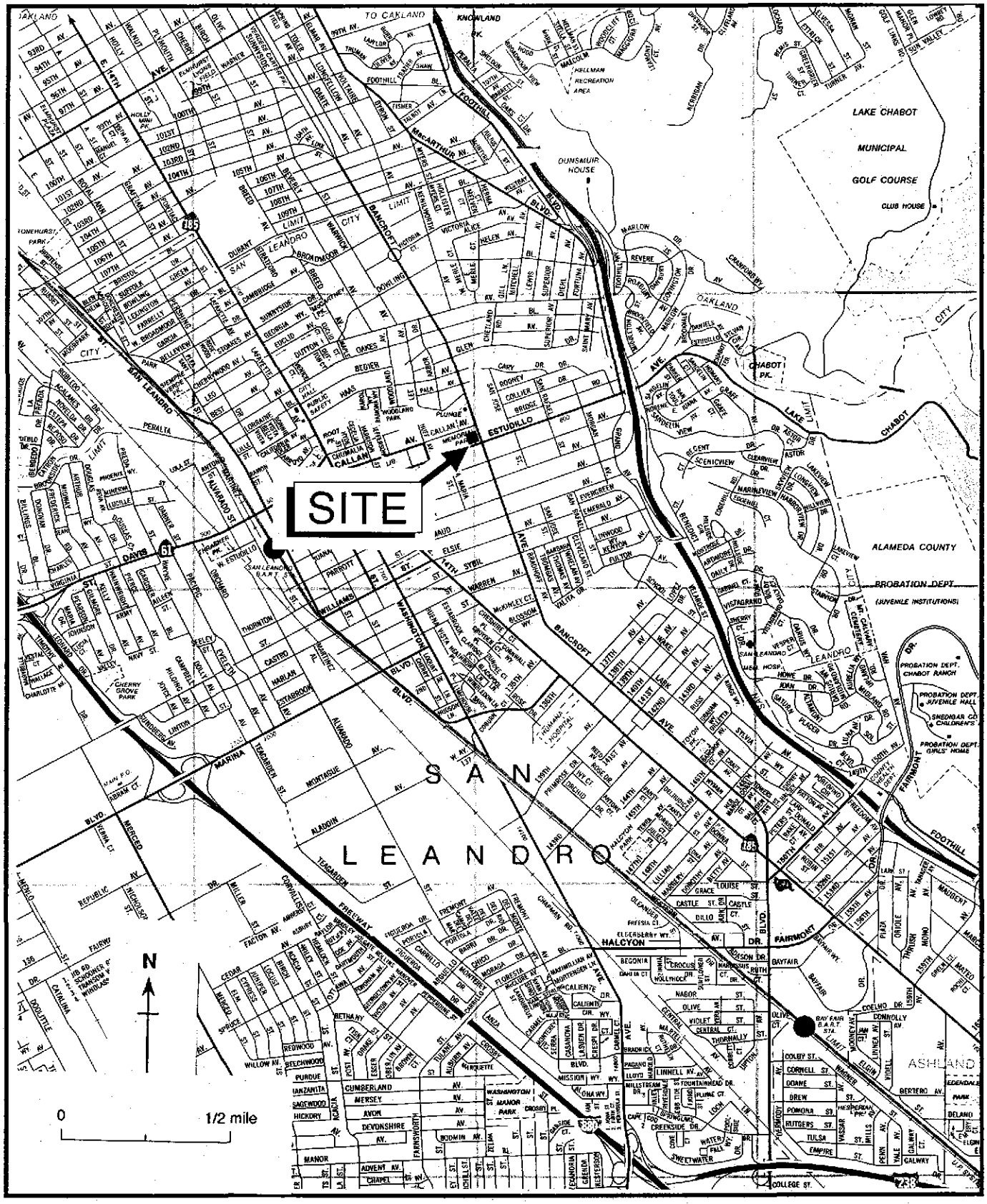


Figure 1. Site Location Map - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

3/16/90

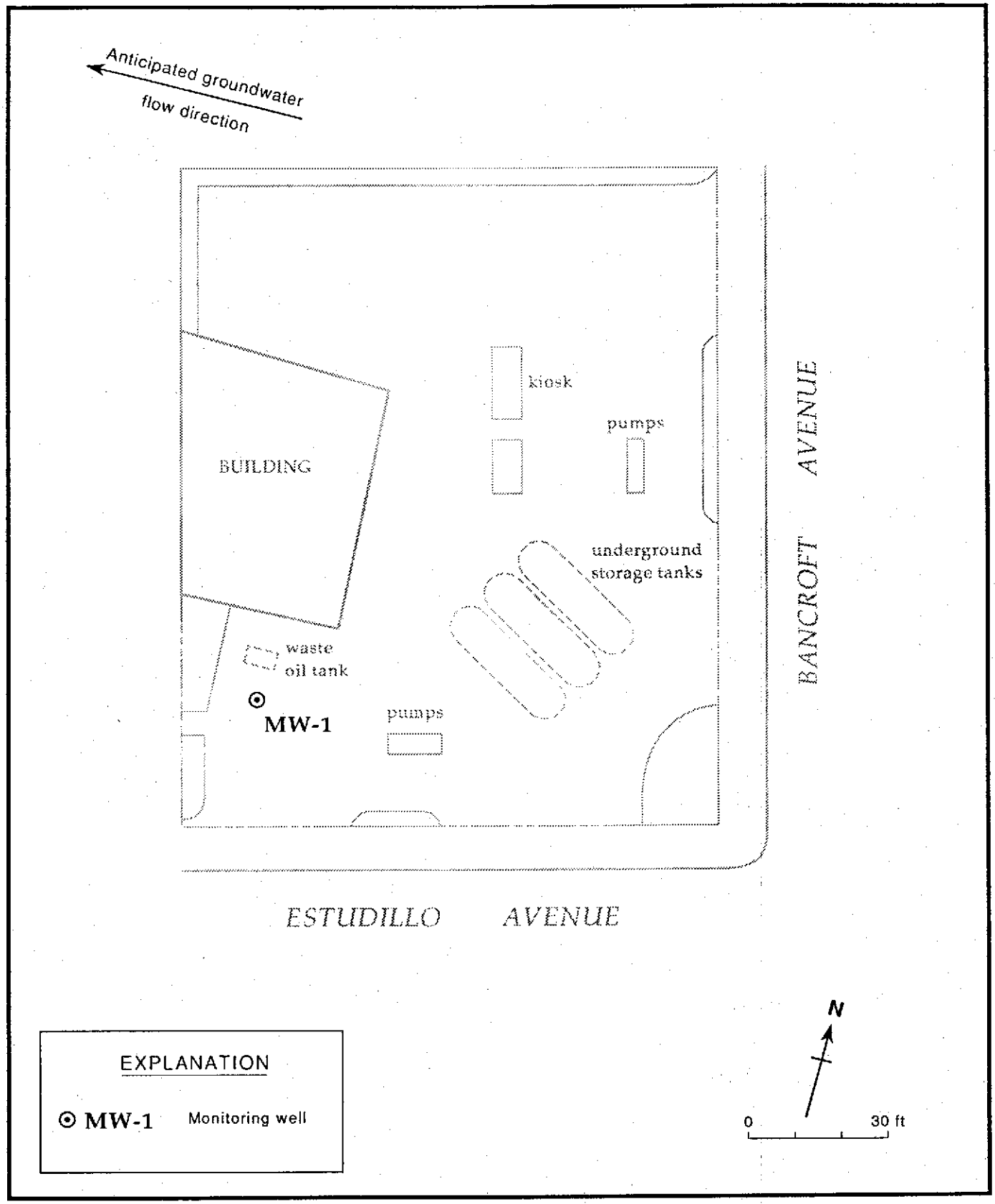


Figure 2. Monitoring Well Location - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

4/11/91

TABLE 1. Ground Water Elevation Data, Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Ground Water Elevation (ft above msl)
MW-1	03/13/90	66.29	42.65	23.64
	06/12/90		43.14	23.15
	09/13/90		44.71	21.58
	12/18/90		45.23	21.06
	03/07/91		43.32	22.97
	06/07/91		42.18	24.11
	09/17/91		44.85	21.44
	12/09/91		45.59	20.70

TABLE 2. Analytic Results for Ground Water - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

Well ID	Date Sampled	Depth to Water (ft)	TPH-G	TPH-D[a]	B	E	T	X	TOG	PCE	CHLOR
			<--------				mg/ℓ (ppm)				-------->
MW-1	03/08/90	42.65	0.51	1.3	<0.0005	0.0015	0.0011	0.0087	<10	0.035	0.0063
	06/12/90	43.14	0.39	0.34	<0.0005	0.0023	<0.0005	0.0055	<10	0.0019	0.063
	09/13/90	44.71	0.10	0.16	<0.0005	<0.0005	<0.0005	<0.0005	<10	0.026	0.0090
	12/18/90	45.23	0.48	<0.05	<0.0005	<0.0005	<0.0005	0.0035	<10	<0.0004	0.0053
	03/07/91	43.32	0.08	0.06	<0.0005	<0.0005	<0.0005	<0.0005	---	0.023	0.0037
	06/07/91	42.18	0.31	<0.05	<0.0005	<0.0005	<0.0005	0.0021	---	0.021	0.0066
	09/17/91	44.85	0.05[b]	0.16[c]	<0.0005	<0.0005	<0.0005	<0.0005	---	0.023	0.0074
	12/09/91	**45.59**	**<0.05**	**<0.05**	**<0.0005**	**<0.0005**	**<0.0005**	**<0.0005**	---	**0.016**	**0.0068**
Trip Blank	03/08/90		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
	06/12/90		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
	12/18/90		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
	03/07/91		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
	06/07/91		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
	09/17/91		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
	12/09/91		**0.08**	---	**<0.0005**	**<0.0005**	**0.0006**	**<0.0005**	---	---	---
Bailer Blank	03/08/90		<0.05	---	<0.0005	<0.0005	<0.0005	<0.0005	---	---	---
DHS MCLs			NE	NE	0.001	0.680	0.10[d]	1.750	NE	0.005	NE

Abbreviations:

TPH-G = Total Petroleum Hydrocarbons as Gasoline by Modified EPA Method 8015
TPH-D = Total Petroleum Hydrocarbons as Diesel by Modified EPA Method 8015
B = Benzene by EPA Method 602
E = Ethylbenzene by EPA Method 602
T = Toluene by EPA Method 602
X = Xylenes by EPA Method 602
TOG = Total non-polar oil and grease by American Public Health Association Standard Methods 503A&E
PCE = Tetrachloroethene by EPA Method 601
CHLOR = Chloroform by EPA Method 601
--- = Not analyzed
<n = Not detected at detection limit of n ppm
DHS MCLs = California Department of Health Services Maximum Contaminant Levels for drinking water
NE = Not established

Analytical Laboratory:

National Environmental Testing (NET), Pacific, Inc., Santa Rosa, California

Notes:

a = Samples analyzed for total petroleum hydrocarbons as motor oil (TPH-M) as part of the TPH-D analysis. No TPH-M has been detected to date above detection limit of 0.5 ppm.
b = Result due to a non-gasoline hydrocarbon compound.
c = Result due to a non-diesel hydrocarbon compound.
d = DHS recommended action level for drinking water; MCL not established

ATTACHMENT A

WATER SAMPLE COLLECTION RECORDS

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name MW-1 Date 12/9/91 Time of Sampling 10:00

Job Name Shell San Leandro II Job Number 81-423-01 Initials BDB

Sample Point Description M (M = Monitoring Well)

Location Beside Garage

WELL DATA: Depth to Water 45.59 ft (static) pumping) @ 09:05 Depth to Product — ft.

Product Thickness — Well Depth — ft (spec) Well Depth 59.15 ft(sounded) Well Diameter 4 in

Initial Height of Water in Casing 13.56 ft. = volume 8.85 gal.

4 Casing Volumes to be Evacuated. Total to be evacuated 35.4 gal.

EVACUATION METHOD: Pump # and type — Hose # and type —

Bailer# and type 3" x PVC Dedicated yes (Y/N)

Other —

Evacuation Time: Stop 09:56 — —

Start 09:30 — —

Total Evacation Time 26

Total Evacuated Prior to Sampling 36.0 gal.

Evacuation Rate 1.38 gal. per minute

Depth to Water during Evacuation — ft. — time

Depth to Water at Sampling 45.62 ft. 10:00 time

Evacuated Dry? No After — gal. Time —

80% Recovery = —

% Recovery at Sample Time — Time —

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number —

Calibration: — 4.0 — 7.0 — 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)
			N/A		

SAMPLE: Color Tan Odor None

Description of matter in sample: Silty Suspended Sediment

Sampling Method: Sampled from port on Ded. PVC Bailer

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
3	121-01	W/CV	40ml	N	yes	None	EPA 8015/602	N	NET
3	121-01	W/CV	40ml	↓	↓	↓	EPA 601	↓	↓
3	121-01	W/BG-PT	1l	↓	↓	↓	EPA 8015	↓	↓

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

* Distilled Water: Arrowhead MIL EXP 10/16/93
1A 09137

WEISS ASSOCIATES

WATER SAMPLING DATA

Well Name Trip Date 12/9/91 Time of Sampling 07:45

Job Name Shell San Leandro II Job Number 81-423-01 Initials BDD

Sample Point Description 1 (M = Monitoring Well)

Location

WELL DATA: Depth to Water _____ ft (static, pumping) Depth to Product _____ ft.

Product Thickness _____ Well Depth ____ ft (spec) Well Depth _____ ft(sounded) Well Diameter ____ in

Initial Height of Water in Casing _____ ft. = volume _____ gal.

_____ Casing Volumes to be Evacuated. Total to be evacuated _____ gal.

EVACUATION METHOD: Pump # and type _____ Hose # and type _____

Bailer# and type _____ Dedicated _____ (Y/N)

Other _____

Evacuation Time: Stop _____ _____ _____

Start _____ _____ _____

Total Evacation Time _____

Total Evacuated Prior to Sampling _____ gal.

Evacuation Rate _____ gal. per minute

Depth to Water during Evacuation _____ ft _____ time

Depth to Water at Sampling _____ ft. _____ time

Evacuated Dry? _____ After _____ gal. Time _____

80% Recovery = _____

% Recovery at Sample Time _____ Time _____

Formulas/Conversions

r = well radius in ft.

h = ht of water col in ft.

vol. in cyl. = $\pi r^2 h$

7.48 gal/ft^3

V_2" casing = 0.163 gal/ft

V_3" casing = 0.367 gal/ft

V_4" casing = 0.653 gal/ft

$V_{4.5}$" casing = 0.826 gal/ft

V_6" casing = 1.47 gal/ft

V8 casing = 2.61 gal/ft

CHEMICAL DATA: Meter Brand/Number _____

Calibration: _____ 4.0 _____ 7.0 _____ 10.0

Measured:	SC/µmhos	pH	T°C	Time	Volume Evacuated (gal.)

SAMPLE: Color Clear Odor None

Description of matter in sample: None

Sampling Method: Distilled water (see above)

Sample Port: Rate — gpm Totalizer — gal.

Time —

# of Cont.	Sample ID	Cont. Type[1]	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analytic Method	Turn[5]	LAB
3	121-21	w/cv	40ml	No	yes	None	EPA 8015/602	N	NET

1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Job Name: SHELL SAN LEANDRO II
WA Job #: 81-423-01

Used Water Level meter # 10

Date Measured: 12/9/91
Initials: DDB

Well ID	Measurement Point	T.O.C. Elev.	Historical D.T.W. 2nd Most Recent Date: 3-7-91	Historical D.T.W. Most Recent Date: 6-7-91	Field D.T.W.	Clock Time (Military)	Sounded Depth	Comments (well condition special access, etc.)
MW-1	TOC	66.29	43.32	42.18	45.59	09:05	59.15	

F:\ALL\ADMIN\RAFTABL3.WP

ATTACHMENT B

ANALYTIC REPORT AND CHAIN-OF-CUSTODY FORM

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

David Elias
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608

Date: 12/22/1991
NET Client Acct. No: 1809
NET Pacific Log No: 91.1157
Received: 12/11/1991

Client Reference Information

SHELL, 1285 Bancroft Ave. San Leandro, Job: 81-423-01

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

Enclosure(s)

NET Pacific, Inc

Client Acct: 1809
Client Name: Weiss Associates
NET Log No: 91.1157

Date: 12/22/1991

Ref: SHELL, 1285 Bancroft Ave. San Leandro, Job: 81-423-01

SAMPLE DESCRIPTION: 121-01
Date Taken: 12/09/1991
Time Taken:
LAB Job No: (-107493)

Parameter	Method	Reporting Limit	Results	Units
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			12-13-91	
DILUTION FACTOR*			1	
as Gasoline		0.05	ND	mg/L
METHOD 8020 (GC,Liquid)			--	
DATE ANALYZED			12-13-91	
DILUTION FACTOR*			1	
Benzene		0.0005	ND	mg/L
Ethylbenzene		0.0005	ND	mg/L
Toluene		0.0005	ND	mg/L
Xylenes (Total)		0.0005	ND	mg/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			12-13-91	
DATE ANALYZED			12-17-91	
as Diesel		0.05	ND	mg/L
as Motor Oil		0.5	ND	mg/L

Ref: SHELL, 1285 Bancroft Ave. San Leandro, Job: 81-423-01

SAMPLE DESCRIPTION: 121-01
Date Taken: 12/09/1991
Time Taken:
LAB Job No: (-107493)

Parameter	Method	Reporting Limit	Results	Units
METHOD 601 (GC,Liquid)				
DATE ANALYZED			12-16-91	
DILUTION FACTOR*			1	
Bromodichloromethane		0.0004	ND	mg/L
Bromoform		0.0004	ND	mg/L
Bromomethane		0.0004	ND	mg/L
Carbon tetrachloride		0.0004	ND	mg/L
Chlorobenzene		0.0004	ND	mg/L
Chloroethane		0.0004	ND	mg/L
2-Chloroethylvinyl ether		0.001	ND	mg/L
Chloroform		0.0004	0.0068	mg/L
Chloromethane		0.0004	ND	mg/L
Dibromochloromethane		0.0004	ND	mg/L
1,2-Dichlorobenzene		0.0004	ND	mg/L
1,3-Dichlorobenzene		0.0004	ND	mg/L
1,4-Dichlorobenzene		0.0004	ND	mg/L
Dichlorodifluoromethane		0.0004	ND	mg/L
1,1-Dichloroethane		0.0004	ND	mg/L
1,2-Dichloroethane		0.0004	ND	mg/L
1,1-Dichloroethene		0.0004	ND	mg/L
trans-1,2-Dichloroethene		0.0004	ND	mg/L
1,2-Dichloropropane		0.0004	ND	mg/L
cis-1,3-Dichloropropene		0.0004	ND	mg/L
trans-1,3-Dichloropropene		0.0004	ND	mg/L
Methylene chloride		0.010	ND	mg/L
1,1,2,2-Tetrachloroethane		0.0004	ND	mg/L
Tetrachloroethene		0.0004	0.016	mg/L
1,1,1-Trichloroethane		0.0004	ND	mg/L
1,1,2-Trichloroethane		0.0004	ND	mg/L
Trichloroethene		0.0004	ND	mg/L
Trichlorofluoromethane		0.0004	ND	mg/L
Vinyl chloride		0.0004	ND	mg/L

NET Pacific, Inc

Client Acct: 1809
Client Name: Weiss Associates
NET Log No: 91.1157

Date: 12/22/1991
Page: 4

Ref: SHELL, 1285 Bancroft Ave. San Leandro, Job: 81-423-01

SAMPLE DESCRIPTION: 121-21
Date Taken: 12/09/1991
Time Taken:
LAB Job No: (-107494)

Parameter	Method	Reporting Limit	Results	Units
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			12-13-91	
DILUTION FACTOR*			1	
as Gasoline		0.05	0.08	mg/L
METHOD 8020 (GC,Liquid)			--	
DATE ANALYZED			12-13-91	
DILUTION FACTOR*			1	
Benzene		0.0005	ND	mg/L
Ethylbenzene		0.0005	ND	mg/L
Toluene		0.0005	0.0006	mg/L
Xylenes (Total)		0.0005	ND	mg/L

Ref: SHELL, 1285 Bancroft Ave. San Leandro, Job: 81-423-01

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	0.05	mg/L	88	ND	54	56	2.5
Motor Oil	0.5	mg/L	91	ND	N/A	N/A	N/A
Gasoline	0.05	mg/L	107	ND	111	105	5.8
Benzene	0.0005	mg/L	99	ND	101	98	3.1
Toluene	0.0005	mg/L	97	ND	100	97	2.9

COMMENT: Blank Results were ND on other analytes tested.

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Chlorobenzene	0.0004	mg/L	97	ND	89	93	4.4
1,1-Dichloroethene	0.0004	mg/L	89	ND	73	96	27
Trichloroethene	0.0004	mg/L	101	ND	98	99	1.0

COMMENT: Blank Results were ND on other analytes tested.

NET Pacific, Inc

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No.: 2613

Date: Page 1 of 1

Site Address: 1285 Bancroft Av. San Leandro, CA

WIC#: 204-6852-0703

Shell Engineer: Kurt Miller | Phone No. (510) 685-3853 | Fax #:

Consultant Name & Address: Weiss Associates 5500 Shellmound St., Emeryville, CA 94608

Consultant Contact: David Elias | Phone No (510) 547-5420 | Fax #: 510-547-5043

Job Number: 81-423-01

Comments:

Sampled By:

Printed Name: Bruce Beale

LAB: NET Pacific

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
Quarterly Monitoring	X 5461	24 hours ☐
Site Investigation	☐ 5441	48 hours ☐
Soil for disposal	☐ 5442	15 days X (Normal)
Water for disposal	☐ 5443	Other ☐ ____
Air Sample- Sys O&M	☐ 5452	NOTE: Notify Lab as soon as possible of 24/48 hrs. TAT.
Water Sample - Sys O&M	☐ 5453	
Other	☐	

Analysis Required

Sample ID	Date	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	TPH-G/BTEX (EPA 8015/602) 8020	HVOCs (EPA 601) (EPA 601) 8010		Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
121-01	12/9/91		X		3	X		X			X			40ml	None			
121-01	↓		↓		↓							X		40ml	↓			
121-01							X					X		1l				
* 121-21						X		X			X			40ml				Analyze only if other Samples Test positive for Gas/BTEX 12/9
												SEALED AT WEISS						

Relinquished By (signature): Bruce Beale	Printed name: Bruce Beale	Date: 12/9/91 Time: 15:45	Received (signature): Ronald C. Jensen	Printed name: RONALD C. JENSEN	Date: 12/10/91 Time: 08:15
Relinquished By (signature): Ronald C. Jensen	Printed name: RONALD C. JENSEN	Date: 12/10/91 Time: 12:40	Received (signature): Mike Tavani	Printed name: MIKE TAVANI	Date: 12/10/91 Time: 12:40
Relinquished By (signature): Mike Tavani	Printed name: MIKE TAVANI	Date: 12/10/91 Time: 1900	Received (signature): A. Lopez	Printed name: Anny Lopez	Date: 12/11/91 Time: 0830

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

Last Revision Date: 10/15/91

RECEIVED FROM SECURE AREA

→ Stored overnight in a locked secure place 12/9/91 → 12/10/91