GeoStrategies Inc.

QUARTERLY REPORT

Shell Service Station
350 Grand Avenue
Oakland, California
WIC 204-5510-0204

766702-7

March 9, 1992

GeoStrategies Inc.
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545
(510) 352-4800

March 9, 1992

Shell Oil Company
P. O. Box 5278
Concord, California 94520

Attn: Mr. E. Paul Hayes

Re: QUARTERLY REPORT
Shell Service Station
350 Grand Avenue
Oakland, California
WIC# 204-5510-0204

Gentlemen:

This Quarterly Report has been prepared by GeoStrategies Inc. (GSI) and presents the results of the 1992 first quarter sampling for the above-referenced site (Plate 1). Sampling data were furnished by the Shell Oil Company sampling contractor.

There are currently three ground-water monitoring wells at the site; Wells S-1 through S-3 (Plate 2). In addition, five exploratory soil borings have been drilled at the site (S-A through S-E). These wells and borings were installed and drilled in 1990 by GSI.

CURRENT QUARTER SAMPLING RESULTS

Depth to water-level measurements were obtained in each monitoring well on January 23, 1992. Static ground-water levels were measured from the surveyed top of each well box and recorded to the nearest ± 0.01 foot. Water level elevations, referenced to Mean Sea Level (MSL) datum and the stabilized values of measured physical parameters are presented in Table 1. Water level data were used to construct a quarterly water-level elevation map (Plate 2). The static ground-water level in Well S-3 appears to be anomalous, and was not used in contouring.

Each well was checked for the presence of floating product. Floating product was not observed in the wells this quarter.

Ground-water samples were collected on January 23, 1992. Samples were analyzed for Total Petroleum Hydrocarbons calculated as Gasoline (TPH-Gasoline) and as Diesel (TPH - Diesel) according to EPA Method 8015 (Modified, and for Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020. Well S-3 did not recharge sufficiently to allow for collection of groundwater for TPH-Diesel analysis. The ground-water samples were analyzed by International Technology (IT) Analytical Services, a California State-certified laboratory located in San Jose, California. These data are summarized in Table 2. A chemical concentration map for benzene is presented on Plate 3. Historical chemical analytical data are presented in Table 3.

If you have any question, please call.

GeoStrategies Inc. by,

Stephen J. Carter
Project Manager

Michael Carey
Michael Carey
Engineering Geologist
C.E.G. 1351

CERTIFIED ENGINEERING GEOLOGIST
MICHAEL C. CAREY
C.E.G. 1351
EXP: 6-30-92
STATE OF CALIFORNIA

SJC/MCC

Plate 1. Vicinity Map
Plate 2. Site Plan/Water-Level Elevation Map
Plate 3. Benzene Concentration Map

Appendix A: Analytical Laboratory Report and Chain-of-Custody

QC Review: _____

766702-7

Table 1

Monitoring Well Field Measurement Data
First Quarter 1992

Shell Station: 350 Grand Avenue
Oakland, California

WIC#: 204-5510-0204

Well Identification	Water Level Survey Date	Depth To Water (feet)	Well Total Depth (feet)	Floating Product Thickness (feet)	Well Sampling Date	pH (stnd. units[1])	Electrical Conductivity (µmhos/cm[2])	Temperature (°F[3])	Turbidity (NTU[4])
S-1	01/23/92	8.94	17.5	ND.[5]	01/23/92	6.65	749	60.9	>200
S-2	01/23/92	9.51	15.0	ND.	01/23/92	6.35	1,150	51.8	>200
S-3	01/23/92	13.06	15.0	ND.	01/23/92	5.58	544	55.5	>200

1. Standard pH units
2. µmhos/cm = micromhos per centimeter
3. °F = degrees Fahrenheit
4. NTU = nephelometric turbidity units
5. ND. = not detected

gw elev ?
TOC ?

Table 2

Summary of Analytical Results
First Quarter 1992
milligrams per liter (mg/l) or parts per million (ppm)

Shell Station: 350 Grand Avenue
Oakland, California

WIC#: 204-5510-0204

Sample Designation	Sampling Date	TPH[1] as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	TPH as Diesel (ppm)
S-1	01/23/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.05
S-2	01/23/92	31.	5.8	0.48	2.0	2.7	36.[2]
S-3	01/23/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NS.[3]
TB	01/23/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.05

1. TPH = total petroleum hydrocarbons
2. Compounds detected and calculated as diesel appear to be the less volatile constituents of gasoline.
3. NS = not sampled; well S-3 dried during purging and did not recover to a level sufficient for collection of a sample for analysis of TPH as diesel.

TABLE 3

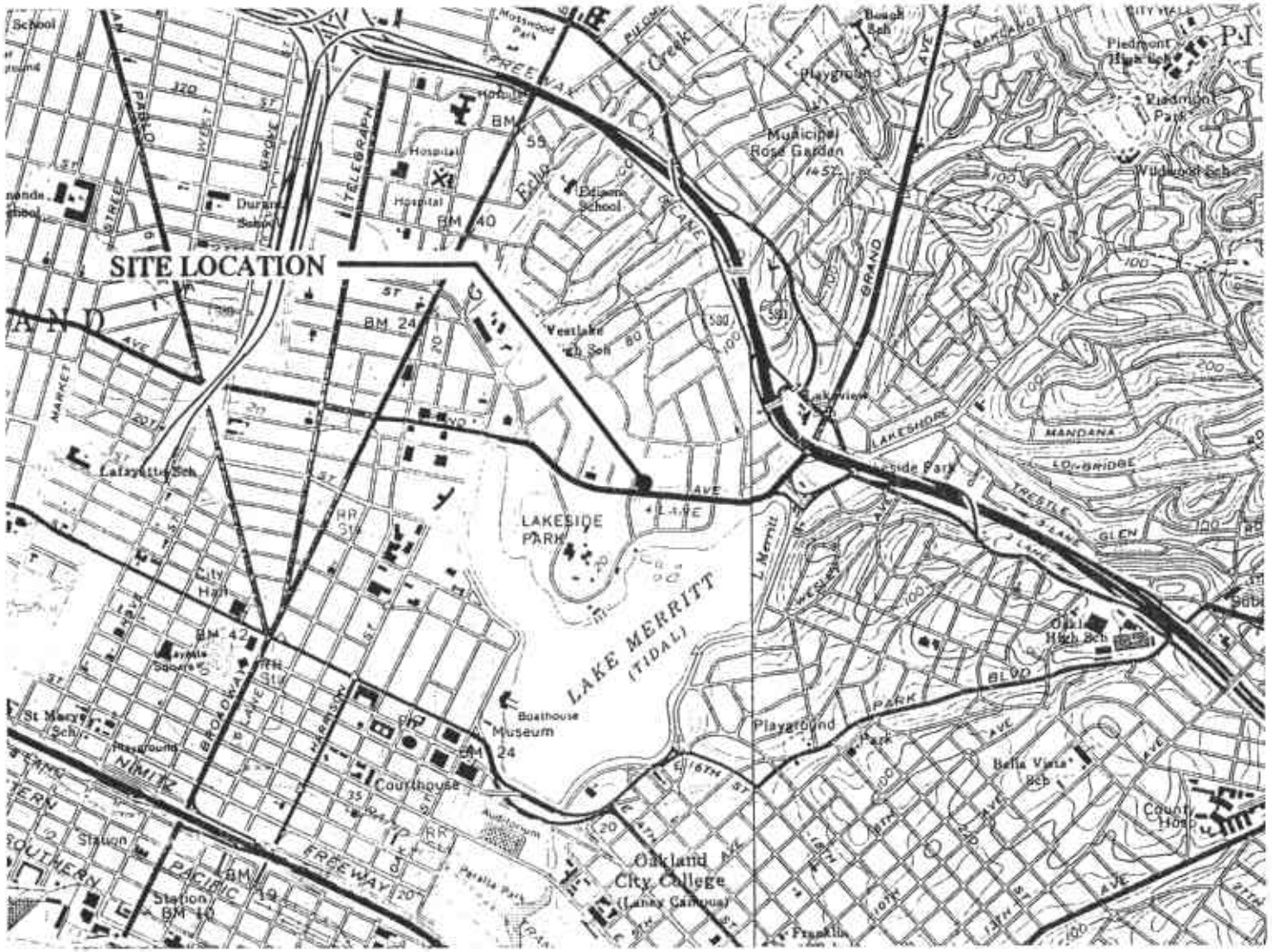
HISTORICAL GROUND WATER QUALITY DATABASE

SAMPLE DATE	SAMPLE POINT	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)
23-Jan-91	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.05
25-Apr-91	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.05
19-Jul-91	S-1	<0.05	0.0068	<0.0005	<0.0005	<0.0005	<0.05
09-Oct-91	S-1	0.12	0.010	<0.0005	<0.0005	<0.0005	0.26^
23-Jan-92	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.05
23-Jan-91	S-2	2.5	0.55	0.015	0.033	0.042	1.2
25-Apr-91	S-2	32.	2.9	0.48	1.4	2.3	20.*
19-Jul-91	S-2	21.	4.7	0.43	1.2	2.4	30.*
09-Oct-91	S-2	29.	6.3	0.51	1.7	2.4	32.*
23-Jan-92	S-2	31.	5.8	0.48	2.0	2.3	36.
25-Apr-91	S-3	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A
19-Jul-91	S-3	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A
09-Oct-91	S-3	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A
23-Jan-92	S-3	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A

Current Regional Water Quality Control Board Maximum Contaminant Levels
Benzene 0.001 ppm Xylenes 1.750 ppm Ethylbenzene 0.680 ppm

Current DHS Action Levels Toluene 0.1000 ppm

TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline
PPM = Parts Per Million
* Compounds detected and calculated as diesel appear to be the less volatile constituents of gasoline.
^ Compounds detected and calculated as high boiling hydrocarbons consist of compounds eluting within the chromatographic range of diesel, but are not characteristic of the standard diesel standard pattern.
NOTE: 1. DHS Action levels and MCL's are subject to change pending State of California review.
2. All data shown as <X are reported as ND (none detected).



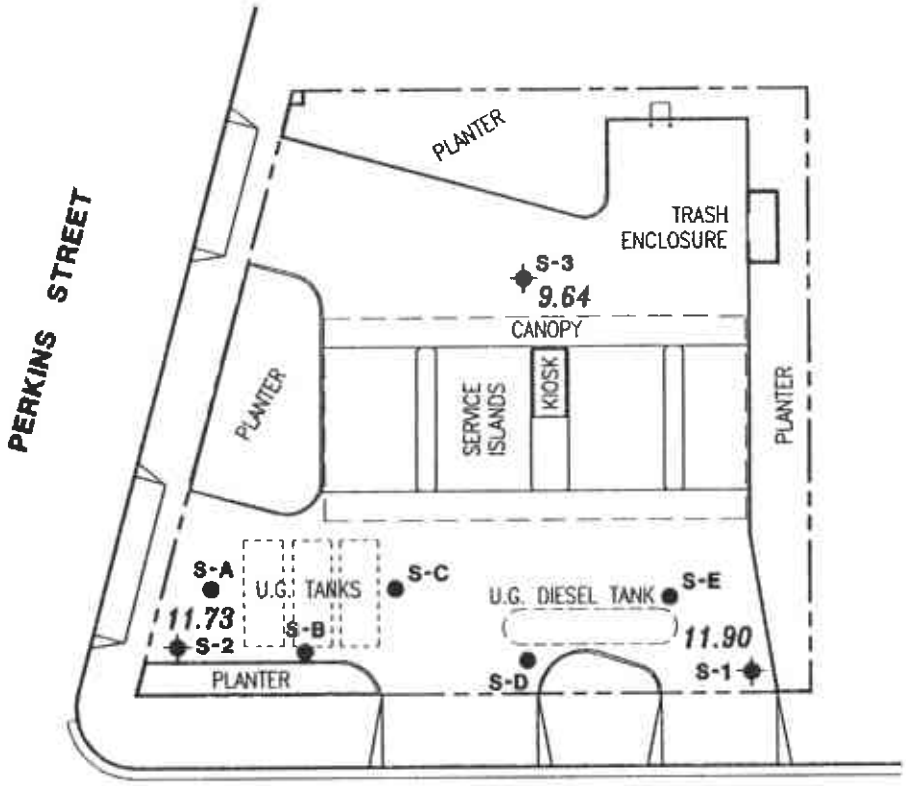
Base Map: USGS Topographic Map

GeoStrategies Inc.

VICINITY MAP
Shell Service Station
350 Grand Avenue
Oakland, California

PLATE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
7667		3/91	



EXPLANATION

- ◆ Ground-water monitoring well
- ● Soil boring
- **99.99** Ground-water elevation in feet referenced to Mean Sea Level (MSL) measured on January 23, 1992

NOTES:
1. Water levels may be influenced irrigation practices and/or site construction activities.
2. Well S-3 appeares anomalous and was not used in contouring.

N-NW gradient ?

N

0 40

Scale in Feet

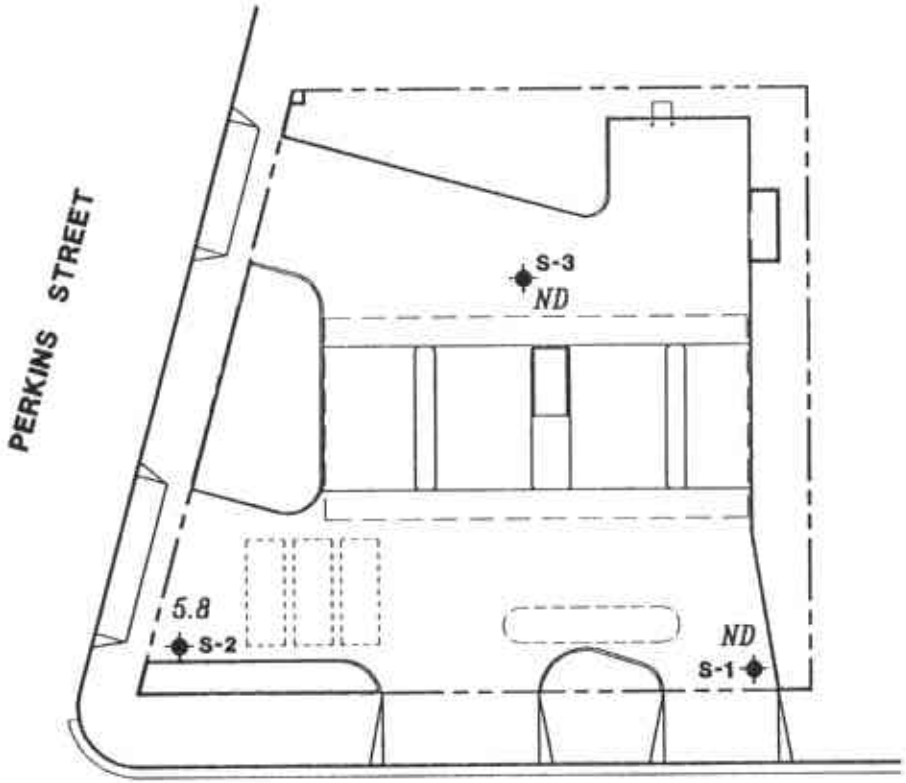
Base Map: Shell Site Plan dated 12-21-89

GeoStrategies Inc.

SITE PLAN/WATER-LEVEL ELEVATION MAP
Shell Service Station
350 Grand Avenue
Oakland, California

PLATE **2**

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
766702-7	EPS	3/92	



EXPLANATION

- ◆ Ground-water monitoring well
- *9.9* Benzene concentration in ppm sampled on January 23, 1992
- *ND* Not Detected (See laboratory reports for detection limits)

N

0 40

Scale in Feet

Base Map: Shell Site Plan dated 12-21-89

GeoStrategies Inc.

BENZENE CONCENTRATION MAP
Shell Service Station
350 Grand Avenue
Oakland, California

PLATE 3

JOB NUMBER 766702-7

REVIEWED BY EBS

DATE 3/92

REVISED DATE

APPENDIX A
ANALYTICAL LABORATORY REPORT
AND CHAIN-OF-CUSTODY

Excellence Through Commitment
1971 20 YRS 1991
EMCON ASSOCIATES
Consultants in Wastes Management and Environmental Control

RECEIVED
FEB 11 1992
GeoStrategies Inc.

February 10, 1992
Project: G67-24.01
WIC#: 204-5510-0204

Ms. Ellen Fostersmith
Geo Strategies Inc.
2140 West Winton Avenue
Hayward, California 94545

Re: First quarter 1992 ground-water monitoring report, Shell Oil Company, 350 Grand Avenue, Oakland, California

Dear Ms. Fostersmith:

This letter presents the results of the first quarter 1992 ground-water monitoring event for the Shell Oil Company (Shell) service station located at 350 Grand Avenue, Oakland, California. First quarter monitoring was conducted on January 23, 1992. The site is monitored quarterly.

GROUND-WATER LEVEL SURVEY

A water-level survey preceded the purging and sampling of the monitoring wells. The wells included in the survey are identified in figure 1 (supplied by Geo Strategies, Inc.). During the survey, wells S-1 through S-3 were measured for depth to water, floating product thickness, and total depth. Depth to water and floating product thickness were measured to the nearest 0.01 foot with an oil/water interface probe. No floating product was observed in any wells. Total depth was measured to the nearest 0.5 foot. Results of the water-level survey are summarized in table 1.

SAMPLING AND ANALYSIS

Ground-water samples were collected from wells S-1 through S-3 on January 23, 1992. Prior to sample collection, the wells were purged with a polyvinyl chloride (PVC) bailer. During the purging operation, ground water was monitored for pH, electrical conductivity, and temperature as a function of volume of water removed. Wells S-1 through S-3 were evacuated to dryness before the removal of three casing volumes. The wells were allowed to recharge for up to 24 hours. Samples were collected after the wells had recharged to a level sufficient for sample collection. Well S-3 did not recharge to a level sufficient for collection of a sample for analysis of total petroleum hydrocarbons (TPH) as diesel; all other samples that were scheduled for collection were obtained. Field measurements from first quarter monitoring are summarized in table 1. Purge

Field Services: 1938 Junction Avenue, San Jose, California 95131-2102, (408) 453-0719, Fax (408) 453-0452

water from the monitoring wells was contained in a 55-gallon drum. The drum was identified with a Shell-approved label and secured for on-site storage.

Ground water samples were collected with a Teflon® bailer, labeled, placed on ice, and transported to a Shell-approved and state-certified analytical laboratory for analysis. Shell chain-of-custody documents accompanied all samples to the laboratory.

All equipment that was placed down a well or that came in contact with ground water was steam cleaned on site with steaming hot deionized water prior to use at each well.

Quality control samples included one trip blank (TB). Water samples from wells S-1 and S-2, and the trip blank, were analyzed for TPH as gasoline, TPH as diesel, and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Ground water samples from well S-3 were analyzed for TPH as gasoline and BTEX only.

ANALYTICAL RESULTS

Analytical results for the first quarter 1992 monitoring event are summarized in table 2. The original certified analytical report and a copy of the final chain-of-custody document are attached.

If you have any questions, please call.

Very truly yours,

EMCON Associates

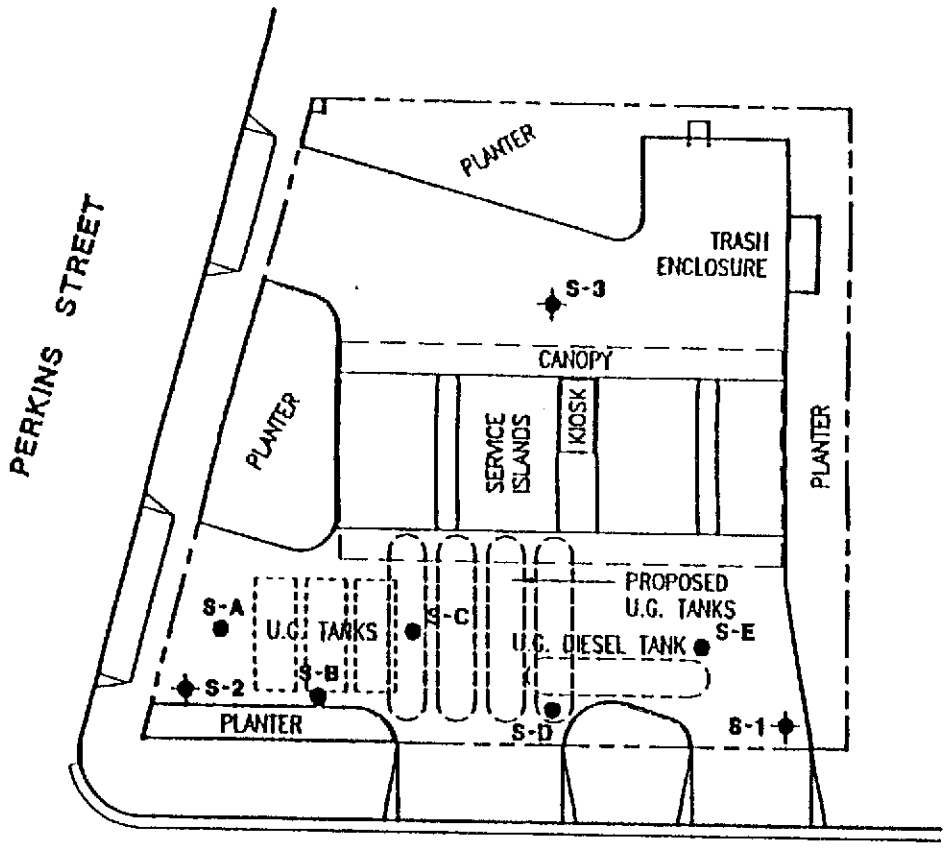
David Larsen
Environmental Sampling Coordinator

Orrin Childs
Environmental Sampling Supervisor

DL/OC:dl

Attachments: Table 1 - Monitoring well field measurement data, first quarter 1992
Table 2 - Summary of analytical results, first quarter 1992
Figure 1 - Site map
Certified analytical report
Chain-of-custody document

G672401A.DOC



EXPLANATION

- Ground-water monitoring well
- Soil boring

Figure 1
(Supplied by Geo Strategies, Inc.)

N

0 40

Scale in Feet

Base Map: Shell Site Plan dated 12-21-89

GeoStrategies Inc.

SITE PLAN
Shell Service Station
350 Grand Avenue
Oakland, California

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
766702-5	CES	9/91	

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

Shell Oil Company
Emcon Associates
1938 Junction Ave.
San Jose, CA 95131
David Larson

Date: 02/06/92

Work Order: T2-01-162 P.O. Number: MOH 880-021 Vendor #I0002402

This is the Certificate of Analysis for the following samples:

Client Work ID: G6724 350 Grand Ave, Oakland
Date Received: 01/27/92
Number of Samples: 5
Sample Type: aqueous

TABLE OF CONTENTS FOR ANALYTICAL RESULTS

Reviewed and Approved:

David A. Pichette
Project Manager

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST NAME: **Petroleum Hydrocarbons**

SAMPLE ID: **S-1**
SAMPLE DATE: **01/24/92**
LAB SAMPLE ID: **T201162-01**
SAMPLE MATRIX: **aqueous**
RECEIPT CONDITION: **Cool pH < 2**

RESULTS in Milligrams per Liter:

	METHOD	EXTRACTION DATE	ANALYSIS DATE
BTEX	8020		01/30/92
Low Boiling Hydrocarbons	Mod.8015		01/30/92
High Boiling Hydrocarbons	Mod.8020	01/27/92	01/30/92

PARAMETER	DETECTION LIMIT	DETECTED
Low Boiling Hydrocarbons calculated as Gasoline	0.05	None
BTEX		
Benzene	0.0005	None
Toluene	0.0005	None
Ethylbenzene	0.0005	None
Xylenes (total)	0.0005	None
High Boiling Hydrocarbons calculated as Diesel	0.05	None.

SURROGATES	% REC
1,3-Dichlorobenzene (Gasoline)	93.
1,3-Dichlorobenzene (BTEX)	96.
nC32 (Diesel)	98.

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST NAME: **Petroleum Hydrocarbons**

SAMPLE ID: **S-2**
SAMPLE DATE: **01/24/92**
LAB SAMPLE ID: **T201162-02**
SAMPLE MATRIX: **aqueous**
RECEIPT CONDITION: **Cool pH < 2**

RESULTS in Milligrams per Liter:

	METHOD	EXTRACTION DATE	ANALYSIS DATE
BTEX	8020		01/30/92
Low Boiling Hydrocarbons	Mod.8015		01/30/92
High Boiling Hydrocarbons	Mod.8015	01/27/92	01/30/92

PARAMETER	DETECTION LIMIT	DETECTED	
Low Boiling Hydrocarbons calculated as Gasoline	2.5	31.	
BTEX			
Benzene	0.025	5.8	
Toluene	0.025	0.48	
Ethylbenzene	0.025	2.0	
Xylenes (total)	0.025	2.7	
High Boiling Hydrocarbons calculated as Diesel	0.5	36.	#

SURROGATES	% REC
1,3-Dichlorobenzene (Gasoline)	102.
1,3-Dichlorobenzene (BTEX)	102.
nC32 (Diesel)	100.

Comments:
Compounds detected and calculated as diesel appear to be the less volatile constituents of gasoline.

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST NAME: **Petroleum Hydrocarbons**

SAMPLE ID: **S-3**
SAMPLE DATE: **01/24/92**
LAB SAMPLE ID: **T201162-03**
SAMPLE MATRIX: **aqueous**
RECEIPT CONDITION: **Cool pH < 2**

RESULTS in Milligrams per Liter:

	METHOD	EXTRACTION DATE	ANALYSIS DATE
BTEX	8020		01/30/92
Low Boiling Hydrocarbons	Mod.8015		01/30/92

PARAMETER	DETECTION LIMIT	DETECTED
Low Boiling Hydrocarbons calculated as Gasoline	0.05	None
BTEX		
Benzene	0.0005	None
Toluene	0.0005	None
Ethylbenzene	0.0005	None
Xylenes (total)	0.0005	None

SURROGATES	% REC
1,3-Dichlorobenzene (Gasoline)	94.
1,3-Dichlorobenzene (BTEX)	97.

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST NAME: **Petroleum Hydrocarbons**

SAMPLE ID: **TRIP BLANK**
SAMPLE DATE: **not spec**
LAB SAMPLE ID: **T201162-04**
SAMPLE MATRIX: **aqueous**
RECEIPT CONDITION: **Cool pH < 2**

RESULTS in Milligrams per Liter:

	METHOD	EXTRACTION DATE	ANALYSIS DATE
BTEX	8020		01/30/92
Low Boiling Hydrocarbons	Mod.8015		01/30/92
High Boiling Hydrocarbons	Mod.8015	01/27/92	01/30/92

PARAMETER	DETECTION LIMIT	DETECTED
Low Boiling Hydrocarbons calculated as Gasoline	0.05	None
BTEX		
Benzene	0.0005	None
Toluene	0.0005	None
Ethylbenzene	0.0005	None
Xylenes (total)	0.0005	None
High Boiling Hydrocarbons calculated as Diesel	0.050	None.

SURROGATES	% REC
1,3-Dichlorobenzene (Gasoline)	94.
1,3-Dichlorobenzene (BTEX)	97.
nC32 (Diesel)	109.

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST NAME: **Spike and Spike Duplicates**

SAMPLE ID: **Quality Control**
SAMPLE DATE: **not spec**
LAB SAMPLE ID: **T201162-05A**
EXTRACTION DATE: **01/27/92**
ANALYSIS DATE: **01/30/92**
ANALYSIS METHOD: **Mod.8015**

QUALITY CONTROL REPORT

Laboratory Spike(LS) and Laboratory Spike Duplicate(LSD) Analyses

RESULTS in Micrograms per Liter

PARAMETER	Sample Amt	Spike Amt	LS Result	LSD Result	LS %Rec	LSD %Rec	RPD
Diesel 002/201D	None	1000	688	704	69	70	1

SURROGATES	LS %Rec	LSD %Rec
nC32	118	115

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST NAME: **Spike and Spike Duplicates**

SAMPLE ID: **Quality Control**
SAMPLE DATE: **not spec**
LAB SAMPLE ID: **T201162-05A**
EXTRACTION DATE:
ANALYSIS DATE: **01/29/92**
ANALYSIS METHOD: **8020**

QUALITY CONTROL REPORT

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Analyses

RESULTS in Micrograms per Liter

PARAMETER	Sample Amt	Spike Amt	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD
Benzene	None	50.0	41.6	42.7	83	85	2
Toluene	None	50.0	43.0	44.0	86	88	2
Ethylbenzene	None	50.0	43.0	44.1	86	88	2
Total Xylenes	None	150	136	140	91	93	2

SURROGATES	MS %Rec	MSD %Rec
1,3-Dichlorobenzene	101	99

IT ANALYTICAL SERVICES
SAN JOSE, CA
(408) 943-1540

Company: Shell Oil Company
Date: 02/06/92
Client Work ID: G6724 350 Grand Ave, Oakland

Work Order: T2-01-162

TEST CODE **QC** TEST NAME **Quality Control**

Quality control (QC) samples are analyzed and used to assess the laboratory control measures. Routine QC samples include method blanks, spikes and duplicates. The purpose of the method blank (MB) analysis is to demonstrate that artifacts of the test do not yield false positives. The laboratory control spike (LS) and /or matrix spike (MS) analysis is used to evaluate the ability of the test to recover analytes of interest, i.e. accuracy. Accuracy is expressed as percent (%) recovery. The laboratory spike duplicate (LSD), matrix spike duplicate (MSD), or duplicate sample (DUP) is used to determine the precision of the test, by comparing the result from the original spike (or sample) to the duplicate spike (or sample). Precision is expressed as relative percent difference (RPD).

The results of appropriate QC samples from QC batches associated with the listed samples are included in this report.

TEST CODE **TPHN** TEST NAME **TPH High Boiling by 8015**

The method of analysis for high boiling hydrocarbons s taken from the LUFT field manual. Samples are extracted with solvent and examined by gas chromatography using a flame ionization detector. Results in soils are corrected for moisture content and are reported on a dry soil basis unless otherwise noted.

TEST CODE **TPHVB** TEST NAME **TPH Gas,BTEX by 8015/8020**

The method of analysis for low boiling hydrocarbons is taken from EPA Methods modified 8015, 8020 and 5030. The sample is examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector in series with a photoionization detector. The result for total low boiling hydrocarbons is calculated as gasoline. Results in soils are corrected for moisture content and are reported on a dry soil basis unless otherwise noted.

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No.: IR-01-1602

Date:
Page 1 of 1

Site Address: 350 Grand Ave, Oakland CA

WIC#: 204-5510-0204

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

Consultant Name & Address: EMCON Assoc. — 1938 Junction Ave. Sanbose, CA 95131

Consultant Contact: David Larsen — **Phone No.** 453-2269 **Fax #:** 453-0452

Comments: Late start, provide results ASAP

Sampled By: J Butera

Printed Name: J Butera

LAB: IT Analytical - San Jose

CHECK ONE (1) BOX ONLY

	CT/DT
Quarterly Monitoring	[X] 5461
Site Investigation	[ ] 5441
Soil for disposal	[ ] 5442
Water for disposal	[ ] 5443
Air Sample- Sys O&M	[ ] 5452
Water Sample - Sys O&M	[ ] 5453
Other	[ ]

TURN AROUND TIME

- 24 hours [ ]
- 48 hours [ ]
- 15 days [X] (Normal)
- Other [ ] _____

NOTE: Notify Lab as soon as possible of 24/48 hrs. TAT.

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	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
S-1	1-24-92		X		4	X	X	X			40ml	HCl	N		Cool, Intact
S-2	1-24-92		X		4	X	X	X			"	"	N		1-27-92
S-3	1-24-92		X		3	X	*	X			"	"	N		
TB	1-24-92		X		1	X	X	X			"	"	N		

Relinquished By (signature): J Butera — **Printed name:** J. BUTERA — **Date:** 1-27-92 **Time:** 0845

Received (signature): M. LaGrande — **Printed name:** M. LaGrande — **Date:** 1-27 **Time:** 0845

Relinquished By (signature): — **Printed name:** — **Date:** **Time:**

Received (signature): — **Printed name:** — **Date:** **Time:**

Relinquished By (signature): — **Printed name:** — **Date:** **Time:**

Received (signature): — **Printed name:** — **Date:** **Time:**

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

Last Revision Date: 10/15/91

GeoStrategies Inc.
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545
(510) 352-4800

March 9, 1992

Alameda County
Department of Environmental Health
80 Swan Way, Suite 200
Oakland, California 94621

Attention: Mr. ~~Paul Smith~~

Reference: Shell Service Station
350 Grand Avenue
Oakland, California
WIC 204-5510-0204

Mr. Smith:

As requested by Mr. Paul Hayes of Shell Oil Company, we are forwarding a copy of the March 9, 1992 Quarterly Report for the above referenced location. This report presents the results of the 1992 first quarter ground-water sampling.

If you have any questions, please call.

Sincerely,

Ellen Fostersmith

Ellen Fostersmith
Geologist

enclosure

cc: Paul Hayes, Shell Oil Company.
Tom Callaghan, Regional Water Quality Control Board