

**QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT**  
at  
**SEKHON GAS STATION**  
**6600 Foothill Boulevard**  
**Oakland, California**

Prepared for:

Mr. Ravi S. Sekhon  
6600 Foothill Boulevard  
Oakland, California

January 24, 2004

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**ADVANCED ASSESSMENT AND REMEDIATION SERVICES**



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## ADVANCED ASSESSMENT AND REMEDiation SERVICES (AARS)

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January 24, 2004

Mr. Don Hwang  
Alameda County Health Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Alameda County**

FEB 03 2004

**Environmental Health**

Subject: Submittal of Quarterly Groundwater Monitoring and Sampling Report for  
*Sekhon Gas Station*, 6600 Foothill Blvd., Oakland, California

Dear Mr. Hwang:

The enclosed report presents the results and findings of the November 2003, quarterly groundwater monitoring and sampling for the above-referenced site.

Please contact Tridib Guha at (925) 363-1999 if you have any questions regarding this report.

Sincerely,

Advanced Assessment and Remediation Services

Tridib K. Guha, R.G., R.E.A.  
Principal

Enclosure

cc: Mr. Ravi S. Sekhon, Oakland, California  
Mr. Sunil Ramdass, USTCF, Sacramento

TG/SEKHNQ3.RPT

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**QUARTERLY GROUNDWATER  
MONITORING AND SAMPLING REPORT**  
For  
**SEKHON GAS STATION**  
6600 Foothill Boulevard  
Oakland, California

## 1.0 INTRODUCTION

This report presents the results and findings of the November 2003, quarterly groundwater monitoring and sampling performed at 6600 Foothill Boulevard, Oakland, California. This report is intended to fulfill quarterly self-monitoring requirements and to establish a groundwater monitoring history for the site. A site vicinity map is shown in Figure 1.

## 2.0 GROUNDWATER MONITORING WELLS

This section presents the field observations and groundwater elevation measurement, sampling, and analysis procedures, as well as the analytical results. The location of the groundwater monitoring wells is presented in Figure 2. The work and related field sampling activities were conducted in accordance with the guidelines and requirements of the Alameda County Department of Environmental Health (ACDEH) and the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB).

### 2.1 Groundwater Elevation Monitoring and Surveying

The groundwater elevation in each well was measured to the nearest 0.01 foot from the top of the PVC casing, using an electronic sounder tape. A groundwater surface elevation map based on interpretation of groundwater elevation measurements taken on November 13, 2003 and survey data is presented in Figure 3. The survey data and groundwater elevation measurements are presented in Table 1. The site was surveyed as per Geotracker requirements on July 11, 2003 by PLS Surveys, Inc., a California licensed surveyor. All groundwater elevations are reported with respect to Mean Sea Level (MSL).

### 2.2 Field Observations

Groundwater was purged from a total of six groundwater monitoring wells, MW-1 through MW-6. The purged water from all six monitoring wells was clear initially. As the purging proceeded, the water from monitoring well MW-1 turned turbid brown, from monitoring well MW-3 turned dark greenish gray, and the purged water from monitoring wells MW-4, MW-5, and MW-6 turned silty grayish brown. After approximately three well volumes of groundwater were purged from each well. After purging each well was allowed some time for groundwater recovery. Subsequently, the water was again clear and water samples were collected. Floating product was not observed in any of the groundwater samples and sheen was observed in the groundwater from monitoring well; MW-2 only. Petroleum odor was noticed in the groundwater samples from monitoring wells; MW-2, MW-4, MW-5, and MW-6.

### 2.3 Sampling and Analytical Procedures

Groundwater samples were collected on November 13, 2003, following groundwater elevation measurements. Samples were analyzed by Entech Analytical Labs, Inc., of Santa Clara, California (Entech), which is certified by the California Department of Health Services (DHS) to perform the specified analyses.

Before purging, groundwater elevations were measured in all wells with an electronic sounder tape. Purging preceded sampling in order to ensure collection of non-stagnant water. A minimum of three casing volumes was removed before sampling the wells. The purged water was monitored for temperature, pH, and conductivity. Purging was considered complete when these parameters had stabilized. The field parameters for groundwater sampling are presented in Table 3.

To prevent potential cross-contamination, all measuring, purging and sampling equipment was washed in an Alconox detergent solution, rinsed with tap water, and finally with distilled water between wells.

The sampling procedure for each monitoring well involved extracting well water with a clean PVC bailer on a clean nylon cord. Groundwater collected from each monitoring well for analysis of Total Petroleum Hydrocarbon as gasoline (TPHg) and Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE), and fuel oxygenates was decanted into two 40-milliliter volatile organic analysis vials with Teflon-lined septa. Samples to be analyzed for TPHg/BTEX/MTBE and fuel oxygenates were preserved using hydrochloric acid to a pH of 2.0. All samples were labeled and placed in an iced cooler, along with the chain-of-custody document (Appendix A). Samples transported to the laboratory were analyzed within the specified holding time.

Groundwater produced during purging and sampling was contained in 55-gallon steel drums. The drummed water was labeled with the source (i.e. well number) and date.

### 2.4 Analytical Methods

Samples were analyzed for TPHg/BTEX using EPA Methods 8015 MOD and 8020; and for fuel oxygenates using EPA Method 8260B. A summary of the analytical results of groundwater samples from the monitoring wells is presented in Table 2. The certified analytical reports for this sampling events are included in Appendix A.

## 3.0 INTERPRETATION OF RESULTS

The results of water elevation measurements and groundwater sampling are discussed in the following sections.

### 3.1 Groundwater Elevations and Gradients

A relative groundwater elevation contour map for November 13, 2003, is presented in Figure 3. The flow direction, based on groundwater elevation data, was toward the southeast with an average hydraulic gradient of 0.012 foot per foot for this monitoring period. The average depth to stabilized groundwater in these wells was approximately eight feet below ground surface. The depth to groundwater in monitoring well MW-4 is not stable.

### 3.2 Analytical Results

Initially, Entech reported the TPHg concentrations in groundwater samples from monitoring well MW-1 at 32,000 parts per billion (ppb); MW-2 at 20,000 ppb; MW-3 non-detect (ND); MW-4 at 11,000 ppb; MW-5 at 1,900 ppb; and MW-6 at 11,000 ppb. With its report, Entech included a comment that the high TPHg values were the result of high concentrations of MTBE within the TPHg quantitation range. Entech also stated, "Due to the requirement imposed by EPA 8015B and/or EPA 8015B (MOD), everything present under the curve for TPHg (C4-C12) must be reported." This method of reporting of TPHg concentrations by Entech is inconsistent with that employed by other analytical laboratories used by AARS.

Consequently, AARS asked Entech to provide TPHg concentrations without MTBE. In response, Entech provided the following TPHg concentrations for the five subject monitoring wells: MW-1 at ND<5,000; MW-2 at ND<2,500; MW-4 at ND<1,000; MW-5 at ND<1,000; and MW-6 at ND<2,500 (Entech letters dated November 25 and December 8, 2003 are attached in Appendix A). Groundwater samples were found to contain Benzene at concentrations ranging from ND to 300 ppb; Ethylbenzene at concentrations ranging from ND to 340 ppb; and Total Xylenes at concentrations ranging from ND to 900 ppb. Toluene was not detected in any samples. MTBE was detected in all groundwater samples at concentrations ranging from 37 to 72,000 ppb. Tert-Butanol (TBA) was detected in five groundwater samples (MW-1 through MW-5) at concentrations ranging from 3,100 to 22,000 ppb. Other fuel oxygenates were not detected. Benzene and MTBE concentrations in groundwater are presented in Figures 4 and 5 respectively. Because of inconsistent reporting, a figure showing TPHg concentrations in groundwater has been omitted.

### 4.0 SELF-MONITORING PROJECT SCHEDULE AND RECOMMENDATIONS

In this sampling event, MTBE was detected in groundwater samples from all six monitoring wells, the highest concentration in MW-1. The analytical results for this sampling event indicate that the highest concentration of Benzene occurs in the farthest downgradient monitoring well, MW-6. With the possible off-site migration of contamination, further site characterization is warranted. Consequently, a work plan for additional site characterization has been submitted to ACDEH and is waiting approval.

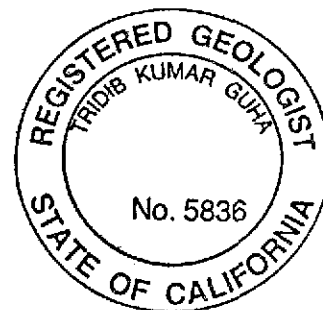
### 5.0 CERTIFICATION

The information provided in this report is based on the groundwater sampling activities conducted at the site. All data presented in this report are believed to be factual and accurate, unless proven otherwise. Any conclusions or recommendations provided within this report are based on our expertise and experience conducting work of a similar nature.

Advanced Assessment and Remediation Services



Tridib K. Guha, R.G. 5836



**TABLE 1: SURVEY AND WATER LEVEL MONITORING DATA**  
**SEKHON GAS STATION**  
**6600 Foothill Blvd.**  
**Oakland, California**

Well No.	Date of Measurement	Casing Elevation (Feet - MSL)	Depth to Groundwater (Feet - MSL)	Product Thickness (Feet)	Groundwater Elevation (Feet - MSL)
MW-1	7/11/03	160.25	8.66	0	151.59
MW-1	11/13/03	160.25	8.1	0	152.15
MW-2	7/11/03	158.97	7.58	0	150.39
MW-2	11/13/03	158.97	8.01	0	150.96
MW-3	7/11/03	160.17	9.35	0	150.82
MW-3	11/13/03	160.17	8.85	0	151.32
MW-4	7/11/03	158.42	6.73	0	151.69
MW-4	11/13/03	158.42	6.54	0	151.88
MW-5	7/11/03	158.03	7.94	0	150.09
MW-5	11/13/03	158.03	7.41	0	150.62
MW-6	7/11/03	157.24	7.98	0	149.26
MW-6	11/13/03	157.24	7.47	0	149.77

Note:

The site was surveyed as per Geotracker standard on July 11, 2003, by PLS Surveys, Inc., a California licensed surveyor  
All elevations reported with respect to feet above mean sea level (MSL).

**TABLE 2: SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLING**

**Sekhon Gas Station**

**6600 Foothill Boulevard, Oakland, California**

Sample ID	Date of Sampling	TPHg ug/L	MTBE ug/L	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	TBA ug/L
MW-1 GW	6/13/01	ND	130	ND	ND	ND	ND	NA
MW-1 GW	3/21/02	95	72.5	ND	ND	ND	ND	NA
MW-1 GW	7/9/02	ND	208	ND	ND	ND	ND	NA
MW-1 GW	7/11/03	ND	636	0.7	ND	ND	1.2	NA
MW-1 GW	11/13/03	ND<5000#	72000	ND	ND	ND	ND	22000
MW-2 GW	6/13/01	5800	94000*	160	210	290	980	980
MW-2 GW	3/21/02	452	79100*	3.4	ND	1.6	2.1	NA
MW-2 GW	7/9/02	497	37600*	61.6	ND	ND	1.6	NA
MW-2 GW	7/11/03	553	38200*	48.9	ND	ND	ND	NA
MW-2 GW	11/13/03	ND<2500#	47000	ND	ND	ND	ND	11000
MW-3 GW	6/13/01	300	450	1	ND	0.07	2	NA
MW-3 GW	3/21/02	274	7520	1.1	ND	1	2.5	NA
MW-3 GW	7/9/02	ND	40.8	ND	ND	ND	ND	NA
MW-3 GW	7/11/03	ND	24.3	ND	ND	ND	ND	NA
MW-3 GW	11/13/03	ND	37	ND	ND	ND	ND	27
MW-4 GW	7/9/02	9680	28300	43	17	369	1990	NA
MW-4 GW	7/11/03	3170	16600	16.5	6.4	71.7	244	NA
MW-4 GW	11/13/03	ND<1000#	16000	49	ND	340	900	4500
MW-5 GW	7/9/02	275	18600	30.2	ND	ND	3	NA
MW-5 GW	7/11/03	890	5090	10	0.6	ND	7.1	NA
MW-5 GW	11/13/03	ND<1000#	3400	ND	ND	ND	ND	3100
MW-6 GW	7/9/02	12000	11300	432	22	637	1740	NA
MW-6 GW	7/11/03	2970	18000	534	6.3	70.1	278	NA
MW-6 GW	11/13/03	ND<2500#	18000	300	ND	ND	52	ND
SB-1 GW	6/27/02	554	74.1	1	0.8	11.6	76.2	NA
SB-2 GW	6/27/02	3000	485*	95.6	10.2	394	831	NA
PQL		#	0.5	0.5	0.5	0.5	1	1

**Notes:**

ND- Not Detected    NA- Not Analyzed    PQL- Practical Quantitation Limit

ug/L- Microgram per liter (parts per billion)

TPHg- Total petroleum hydrocarbon as gasoline (EPA method 8015 MOD)

MTBE- Methyl Tertiary Butyl Ether (EPA Method 8260B)

BTEX- Benzene, toluene, ethylbenzene, and xylene (EPA Method 8020)

TBA- tert-Butanol (EPA Method 8260B) Other oxygenates were not detected

\* Confirmed by GC/MS method 8260B

# Laboratory explanations (dated November 26 & December 8, 2003) attached

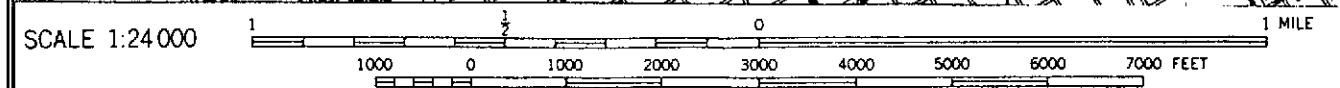
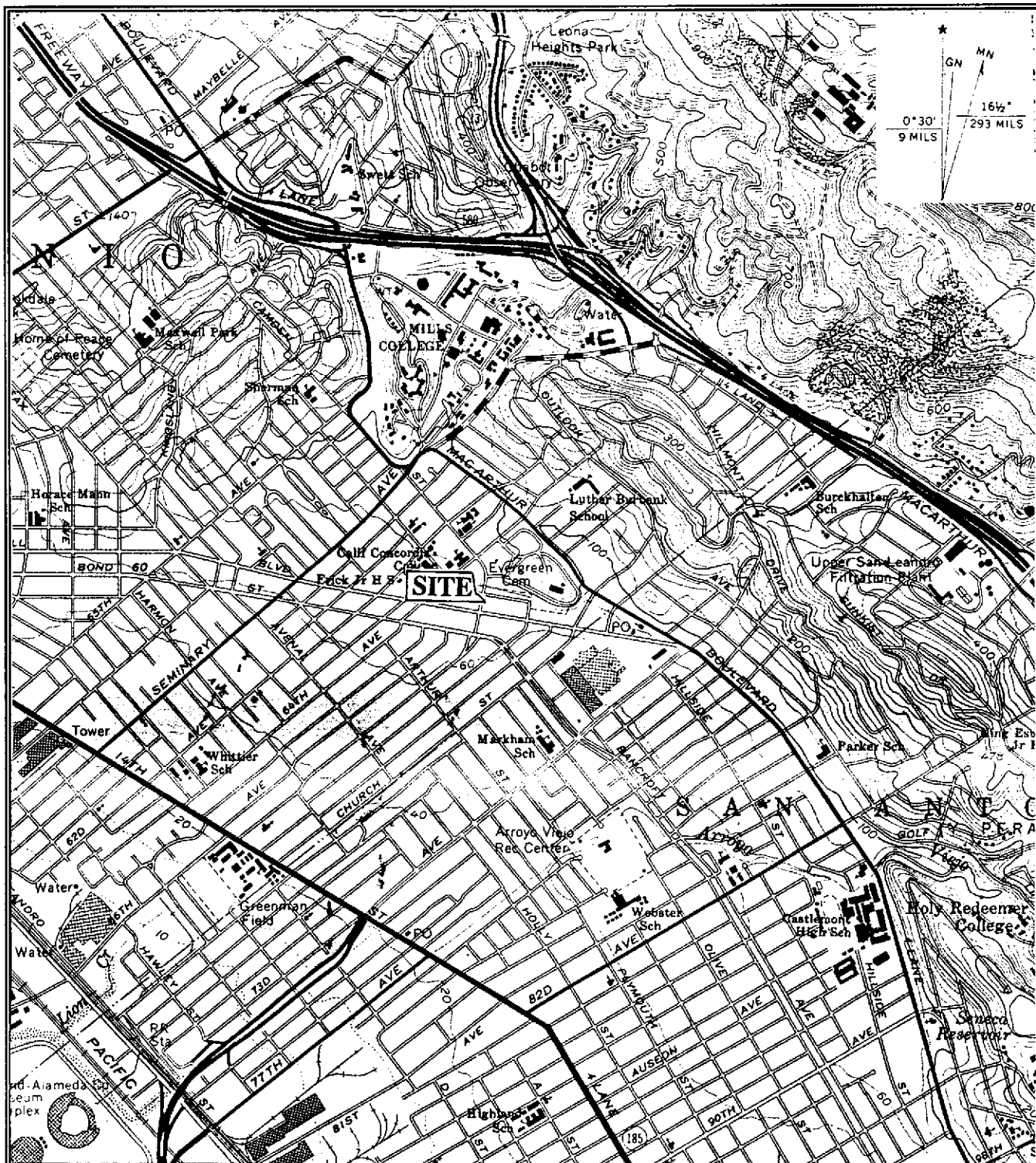


**TABLE 3: FIELD PARAMETERS OF GROUNDWATER SAMPLING**  
***Sekhon Gas Station***  
**6600 Foothill Boulevard**  
**Oakland , California**

Sample I.D. No.	Date of Sampling	Temperature °F	pH	Conductivity uS
MW-1	7/11/03	70.1	7.57	682
MW-1	11/13/03	70.2	6.88	658
MW-2	7/11/03	71.6	6.5	598
MW-2	11/13/03	72.3	6.79	863
MW-3	7/11/03	71.2	6.87	166
MW-3	11/13/03	73.6	7.28	144
MW-4	7/11/03	71.3	6.61	1012
MW-4	11/13/03	73	6.71	1002
MW-5	7/11/03	70.6	6.81	515
MW-5	11/13/03	69.3	6.73	558
MW-6	7/11/03	70.6	6.64	978
MW-6	11/13/03	67.1	6.75	983

Note:

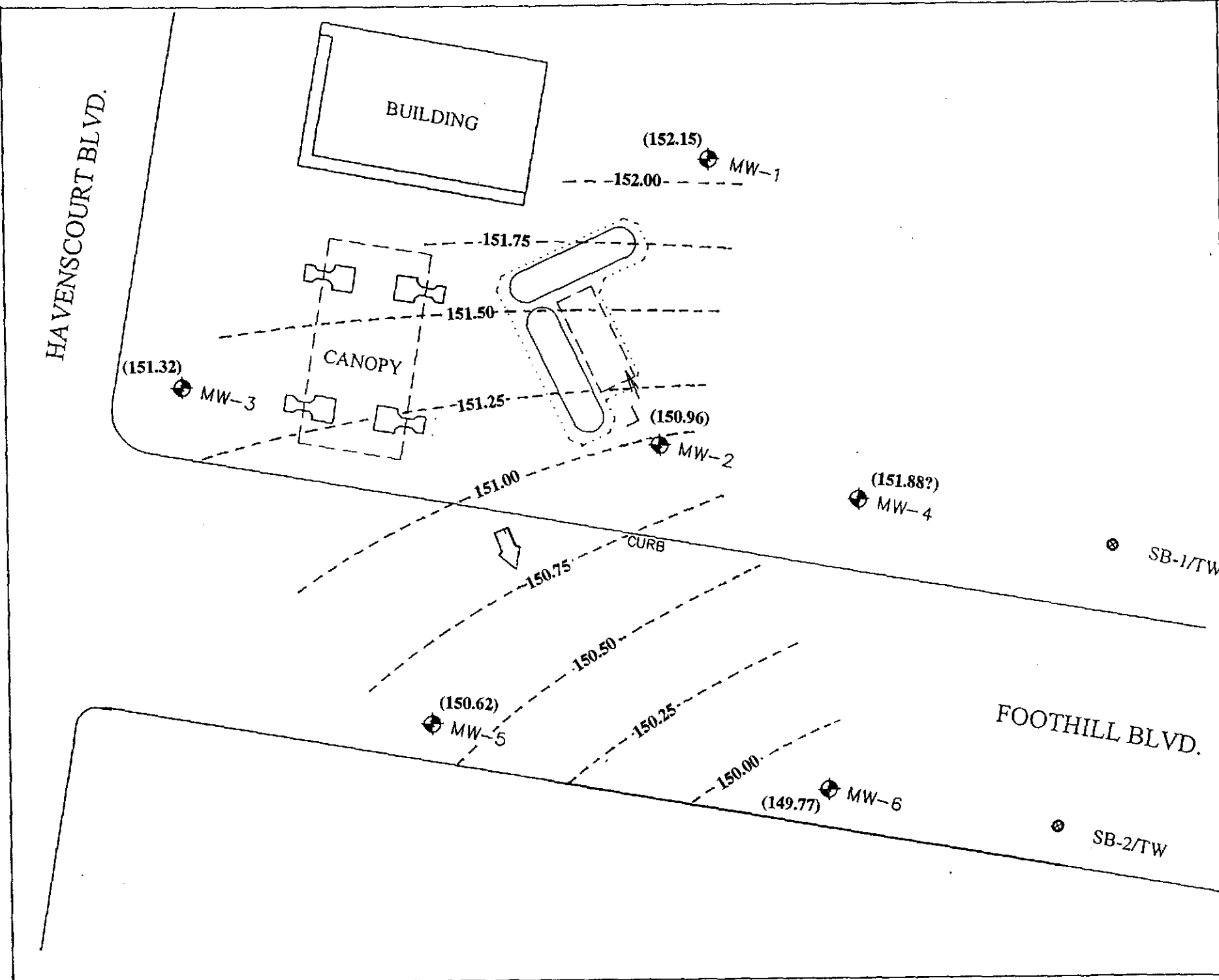
°F = degree Fahrenheit  
uS = microSiemens



Source: U.S.G.S. Maps; 7.5 Minute Series (Topographic)  
 Oakland East Quadrangle, CA  
 Aerial Photograph taken 1959 Photorevised 1980

**FIGURE 1: SITE VICINITY MAP**  
**SEKHON GAS STATION**  
 6600 Foothill Blvd.  
 Oakland, California

**ADVANCED ASSESSMENT AND  
 REMEDIATION SERVICES**  
 2380 Salvio Street, Suite 202  
 Concord, California

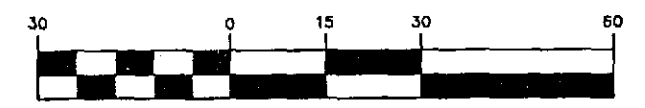


**LEGEND**

- MW-2 Monitoring Well
- SB-1/TW Soil Boring/Temp. Well
- Present UST
- Limits of Excavation
- Pumps
- General Direction of Groundwater Flow

**Note:**  
 1. Water Levels in Monitoring Wells Measured on November 13, 2003  
 2. Contour Interval = 0.25 foot  
 3. Hydraulic Gradient = 0.012 foot/foot

**GRAPHIC SCALE**

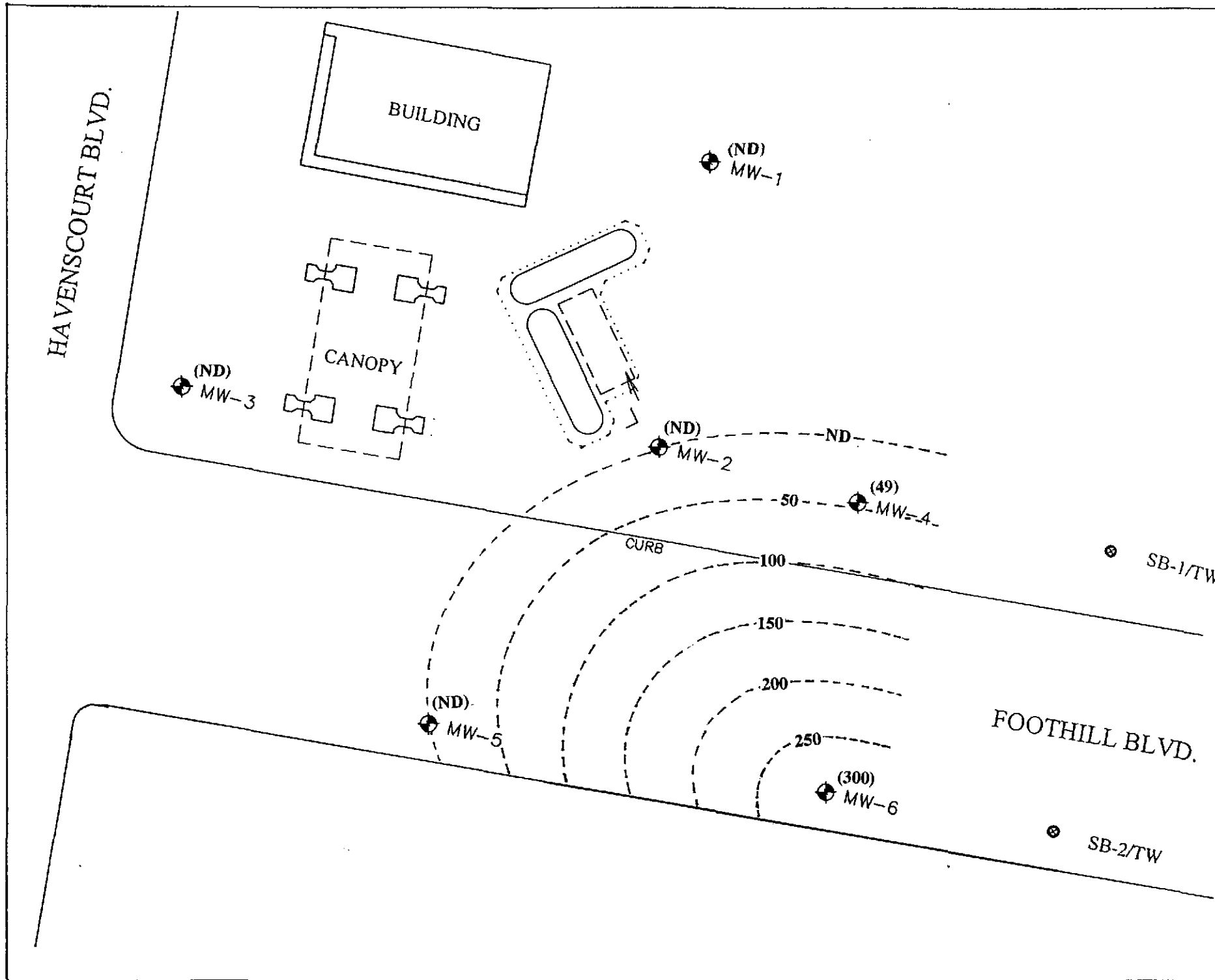


( IN FEET )  
 1 inch = 30 ft.

**FIGURE 3: GROUNDWATER SURFACE ELEVATION**

*SEKHON GAS STATION*  
 6600 Foothill Blvd.  
 Oakland, California

**ADVANCED ASSESSMENT AND REMEDIATION SERVICES**  
 2380 Salvio Street, Suite 202  
 Concord, California



**LEGEND**

- ◆ MW-2 Monitoring Well
- ⊙ SB-1/TW Soil Boring/Temp. Well
- Present UST
- [ - - - ] Limits of Excavation
- ⊕ Pumps
- (300) Benzene Concentrations in Groundwater in Parts Per Billion (ppb)
- 200 Benzene Concentrations Contour
- ND Not Detected above Reported Detection Limit

Note:  
 1. Groundwater samples collected on November 13, 2003  
 2. Contour Interval = 50 ppb

**GRAPHIC SCALE**

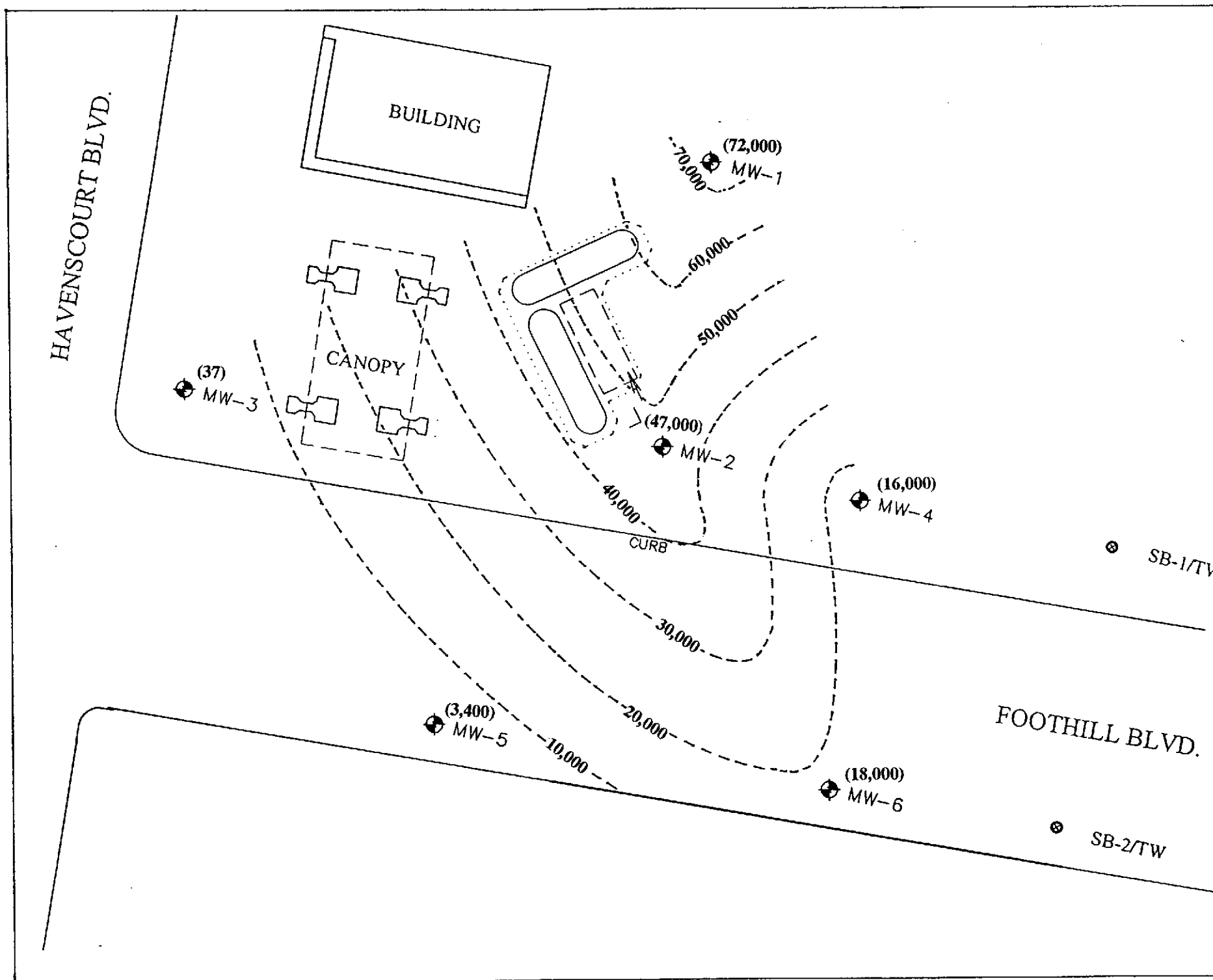


( IN FEET )  
 1 inch = 30 ft.

**FIGURE 4: BENZENE CONCENTRATIONS IN GROUNDWATER**

*SEKHON GAS STATION*  
 6600 Foothill Blvd.  
 Oakland, California

**ADVANCED ASSESSMENT AND REMEDIATION SERVICES**  
 2380 Salvio Street, Suite 202  
 Concord, California



**LEGEND**

- ◆ MW-2 Monitoring Well
- ⊙ SB-1/TW Soil Boring/Temp. Well
- Present UST
- [ - - ] Limits of Excavation
- ⊕ Pumps

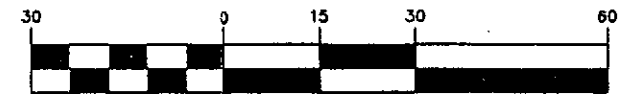
(72,000) Methyl Tertiary Butyl Ether (MTBE) concentrations in Groundwater in Parts Per Billion (ppb)

30,000 MTBE Concentrations Contour

ND Not Detected above Reported Detection Limit

Note:  
 1. Groundwater samples collected on November 13, 2003  
 2. Contour Interval = 10000 ppb

**GRAPHIC SCALE**



( IN FEET )  
 1 inch = 30 ft.

**FIGURE 5: MTBE CONCENTRATIONS IN GROUNDWATER**

*SEKHON GAS STATION*  
 6600 Foothill Blvd.  
 Oakland, California

**ADVANCED ASSESSMENT AND REMEDIATION SERVICES**  
 2380 Salvio Street, Suite 202  
 Concord, California

## **APPENEDIX A**

### **Laboratory Reports and Chain of Custody Documents**

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

December 08, 2003

Tridib Guha

Advanced Assessment & Remediation Services

2380 Salvio Street, Suite 202

Concord, CA 94520

**Order:** 36574

**Date Collected:** 11/13/2003

**Project Name:**

**Date Received:** 11/13/2003

**Project Number:** Sekhon Gas Station

**P.O. Number:** Sekhon

**Project Notes:**

On November 13, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	EDF Deliverables Gas/BTEX	EDF EPA 8015 MOD. (Purgeable) EPA 8020 EPA 8260B
	Oxygenates by EPA 8260B	EPA 8260B

**Case Narrative:** Due to the requirement imposed by EPA 8015B and/or EPA 8015B (MOD), everything present under the curve for TPH as Gasoline (C4-C12) must be reported. As a result, discrete peaks of MTBE (eluting at C5) will be included in TPH as Gasoline concentrations and qualified with an "x" flag to indicate that the reported TPH as Gasoline result is not typical of a true TPH as Gasoline pattern. The result is further narrated to state that the reported value is due to a discrete peak of MTBE. For samples 36574-001 (MW-1/GW), 36574-002 (MW-2/GW), 36574-004 (MW-4/GW), 36574-005 (MW-5/GW) and 36574-006 (MW-6/GW) this is especially significant as all of the TPH as Gasoline value reported is due to the presence of MTBE. If the EPA methodologies allowed for discrete peak corrections in the final reporting of TPH as Gasoline, all samples would be "ND" at 5000 (sample 1) ppb, 2500 ppb (samples 2 and 6), 1000 ppb (samples 4 and 5).

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock  
QA/QC Manager

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

November 25, 2003

Tridib Guha  
Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520

**Order:** 36574  
**Project Name:**  
**Project Number:** Sekhon Gas Station  
**Project Notes:** Narration added for qualified TPH as Gasoline results on sample 36574-001 and 36574-002.

**Date Collected:** 11/13/2003  
**Date Received:** 11/13/2003  
**P.O. Number:** Sekhon

On November 13, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

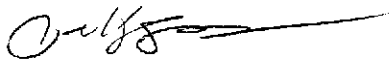
<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	EDF Deliverables Gas/BTEX	EDF EPA 8015 MOD. (Purgeable) EPA 8020 EPA 8260B
	Oxygenates by EPA 8260B	EPA 8260B

**Case Narrative:** Due to the requirement imposed by EPA 8015B and/or EPA 8015B (MOD), everything present under the curve for TPH as Gasoline (C4-C12) must be reported. As a result, discrete peaks of MTBE (eluting at C5) will be included in TPH as Gasoline concentrations and qualified with an "x" flag to indicate that the reported TPH as Gasoline result is not typical of a true TPH as Gasoline pattern. The result is further narrated to state that the reported value is due to a discrete peak of MTBE. For samples 36574-001 (MW-1/GW) and 36574-002 (MW-2/GW) this is especially significant as all of the TPH as Gasoline value reported is due to the presence of MTBE. If the EPA methodologies allowed for discrete peak corrections in the final reporting of TPH as Gasoline, both samples would be "ND" at 5000 ppb and 2500 ppb, respectively.

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock  
QA/QC Manager



# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

November 20, 2003

Tridib Guha  
Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520

**Order:** 36574  
**Project Name:**  
**Project Number:** Sekhon Gas Station  
**Project Notes:**

**Date Collected:** 11/13/2003  
**Date Received:** 11/13/2003  
**P.O. Number:** Sekhon

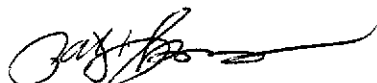
On November 13, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	EDF Deliverables	EDF
	Gas/BTEX	EPA 8015 MOD. (Purgeable)
		EPA 8020
	Oxygenates by EPA 8260B	EPA 8260B

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

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Sincerely,



Patti Sandrock  
QA/QC Manager

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

Order ID: 36574

Lab Sample ID: 36574-001

Client Sample ID: MW-1/GW

Sample Time: 10:00 AM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		100	0.5	50	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
Toluene	ND		100	0.5	50	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
Ethyl Benzene	ND		100	0.5	50	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
Xylenes, Total	ND		100	1	100	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
			<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>	
			4-Bromofluorobenzene			101.2			65 - 135	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	32000	x	100	50	5000	µg/L	N/A	11/18/2003	WGC42993	EPA 8015 MOD. (Purgeable)
			<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>	
			4-Bromofluorobenzene			99.1			65 - 135	

**Comment:** TPH as Gasoline value is the result of high concentrations of MTBE within the TPH as Gasoline quantitation range.

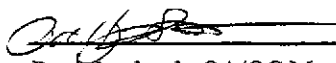
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

Order ID: 36574      Lab Sample ID: 36574-002      Client Sample ID: MW-2/GW  
Sample Time: 12:00 PM      Sample Date: 11/13/2003      Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		50	0.5	25	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
Toluene	ND		50	0.5	25	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
Ethyl Benzene	ND		50	0.5	25	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
Xylenes, Total	ND		50	1	50	µg/L	N/A	11/18/2003	WGC42993	EPA 8020
			Surrogate		Surrogate Recovery		Control Limits (%)			
			4-Bromofluorobenzene		99.5		65 - 135			

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	20000	x	50	50	2500	µg/L	N/A	11/18/2003	WGC42993	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			4-Bromofluorobenzene		98.5		65 - 135			

Comment: TPH as Gasoline value is the result of high concentrations of MTBE within the TPH as Gasoline quantitation range.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
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Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

Order ID: 36574

Lab Sample ID: 36574-003

Client Sample ID: MW-3/GW

Sample Time: 11:20 AM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	N/A	11/17/2003	WGC62992B	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	11/17/2003	WGC62992B	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	11/17/2003	WGC62992B	EPA 8020
Xylenes, Total	ND		1	1	1	µg/L	N/A	11/17/2003	WGC62992B	EPA 8020
				Surrogate		Surrogate Recovery		Control Limits (%)		
				4-Bromofluorobenzene		81.0		65 - 135		

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	11/17/2003	WGC62992B	EPA 8015 MOD. (Purgeable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				4-Bromofluorobenzene		82.5		65 - 135		


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

Order ID: 36574

Lab Sample ID: 36574-004

Client Sample ID: MW-4/GW

Sample Time: 11:40 AM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	49		20	0.5	10	µg/L	N/A	11/14/2003	WGC62992	EPA 8020
Toluene	ND		20	0.5	10	µg/L	N/A	11/14/2003	WGC62992	EPA 8020
Ethyl Benzene	340		20	0.5	10	µg/L	N/A	11/14/2003	WGC62992	EPA 8020
Xylenes, Total	900		20	1	20	µg/L	N/A	11/14/2003	WGC62992	EPA 8020
				Surrogate		Surrogate Recovery		Control Limits (%)		
				4-Bromofluorobenzene		86.1		65 - 135		

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	11000	x	20	50	1000	µg/L	N/A	11/14/2003	WGC62992	EPA 8015 MOD. (Purgeable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				4-Bromofluorobenzene		80.7		65 - 135		

**Comment:** Reported TPH as Gasoline value is the result of high concentration discrete peak (MTBE) within the TPH as Gasoline quantitation range.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
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2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

Order ID: 36574

Lab Sample ID: 36574-005

Client Sample ID: MW-5/GW

Sample Time: 12:20 PM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		20	0.5	10	µg/L	N/A	11/15/2003	WGC62992	EPA 8020
Toluene	ND		20	0.5	10	µg/L	N/A	11/15/2003	WGC62992	EPA 8020
Ethyl Benzene	ND		20	0.5	10	µg/L	N/A	11/15/2003	WGC62992	EPA 8020
Xylenes, Total	ND		20	1	20	µg/L	N/A	11/15/2003	WGC62992	EPA 8020
				Surrogate		Surrogate Recovery		Control Limits (%)		
				4-Bromofluorobenzene		78.6		65 - 135		

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1900	x	20	50	1000	µg/L	N/A	11/15/2003	WGC62992	EPA 8015 MOD. (Purgeable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				4-Bromofluorobenzene		70.9		65 - 135		

**Comment:** Reported TPH as Gasoline value is the result of high concentration discrete peak (MTBE) within the TPH as Gasoline quantitation range.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
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Advanced Assessment & Remediation Services

2380 Salvio Street, Suite 202

Concord, CA 94520

Attn: Tridib Guha

Date: 11/20/03

Date Received: 11/13/2003

Project Name:

Project Number: Sekhon Gas Station

P.O. Number: Sekhon

Sampled By:

## Certified Analytical Report

Order ID: 36574

Lab Sample ID: 36574-006

Client Sample ID: MW-6/GW

Sample Time: 12:40 PM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	300		50	0.5	25	µg/L	N/A	11/18/2003	WGC62992B	EPA 8020
Toluene	ND		50	0.5	25	µg/L	N/A	11/18/2003	WGC62992B	EPA 8020
Ethyl Benzene	ND		50	0.5	25	µg/L	N/A	11/18/2003	WGC62992B	EPA 8020
Xylenes, Total	52		50	1	50	µg/L	N/A	11/18/2003	WGC62992B	EPA 8020
			<b>Surrogate</b>		<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>		
			4-Bromofluorobenzene		67.3			65 - 135		
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	11000	x	50	50	2500	µg/L	N/A	11/18/2003	WGC62992B	EPA 8015 MOD. (Purgeable)
			<b>Surrogate</b>		<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>		
			4-Bromofluorobenzene		72.5			65 - 135		

**Comment:** Reported TPH as Gasoline value is the result of high concentration MTBE within the TPH as Gasoline quantitation range.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

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Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

Order ID: 36574

Lab Sample ID: 36574-001

Client Sample ID: MW-1/GW

Sample Time: 10:00 AM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
tert-Butanol (TBA)	22000		2000	10	20000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Methyl-t-butyl Ether	72000		2000	1	2000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Diisopropyl Ether	ND		2000	5	10000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Ethyl-t-butyl Ether	ND		2000	5	10000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
tert-Amyl Methyl Ether	ND		2000	5	10000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
			<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>	
			4-Bromofluorobenzene			105.0			68 - 118	
			Dibromofluoromethane			124.0			57 - 156	
			Toluene-d8			123.0			77 - 150	

Order ID: 36574

Lab Sample ID: 36574-002

Client Sample ID: MW-2/GW

Sample Time: 12:00 PM

Sample Date: 11/13/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
tert-Butanol (TBA)	11000		1000	10	10000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Methyl-t-butyl Ether	47000		1000	1	1000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Diisopropyl Ether	ND		1000	5	5000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Ethyl-t-butyl Ether	ND		1000	5	5000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
tert-Amyl Methyl Ether	ND		1000	5	5000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
			<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>	
			4-Bromofluorobenzene			101.0			68 - 118	
			Dibromofluoromethane			136.0			57 - 156	
			Toluene-d8			125.0			77 - 150	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983



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Advanced Assessment & Remediation Services  
2380 Salvio Street, Suite 202  
Concord, CA 94520  
Attn: Tridib Guha

Date: 11/20/03  
Date Received: 11/13/2003  
Project Name:  
Project Number: Sekhon Gas Station  
P.O. Number: Sekhon  
Sampled By:

## Certified Analytical Report

<b>Order ID:</b> 36574	<b>Lab Sample ID:</b> 36574-003	<b>Client Sample ID:</b> MW-3/GW								
<b>Sample Time:</b> 11:20 AM	<b>Sample Date:</b> 11/13/2003	<b>Matrix:</b> Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
tert-Butanol (TBA)	27		1	10	10	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Methyl-t-butyl Ether	37		1	1	1	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Ethyl-t-butyl Ether	ND		1	5	5	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
							<b>Surrogate</b>		<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>
							4-Bromofluorobenzene		112.0	68 - 118
							Dibromofluoromethane		135.0	57 - 156
							Toluene-d8		122.0	77 - 150

<b>Order ID:</b> 36574	<b>Lab Sample ID:</b> 36574-004	<b>Client Sample ID:</b> MW-4/GW								
<b>Sample Time:</b> 11:40 AM	<b>Sample Date:</b> 11/13/2003	<b>Matrix:</b> Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
tert-Butanol (TBA)	4500		400	10	4000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Methyl-t-butyl Ether	16000		400	1	400	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Diisopropyl Ether	ND		400	5	2000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
Ethyl-t-butyl Ether	ND		400	5	2000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
tert-Amyl Methyl Ether	ND		400	5	2000	µg/L	N/A	11/17/2003	WMS110361	EPA 8260B
							<b>Surrogate</b>		<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>
							4-Bromofluorobenzene		102.0	68 - 118
							Dibromofluoromethane		130.0	57 - 156
							Toluene-d8		121.0	77 - 150

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
Patti Sandrock, QA/QC Manager

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## Quality Control Results Summary

QC Batch #: WGC42993

Units: µg/L

Matrix: Liquid

Date Analyzed: 11/18/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		250		237.	LCS	94.8			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			90.9		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		8		7.4	LCS	92.5			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		7.77	LCS	97.1			65.0 - 135.0
Toluene	EPA 8020	ND		8		7.38	LCS	92.3			65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		23.2	LCS	96.7			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			100.5		65 - 135					
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		250		238.6	LCSD	95.4	0.67	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			86.4		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		8		7.05	LCSD	88.1	4.84	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		7.4	LCSD	92.5	4.88	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		8		7.03	LCSD	87.9	4.86	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		22.2	LCSD	92.5	4.41	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			101.9		65 - 135					

# Entech Analytical Labs, Inc.

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## Quality Control Results Summary

QC Batch #: WGC62992  
Matrix: Liquid

Units: µg/L  
Date Analyzed: 11/14/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		250		228.34	LCS	91.3			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			81.1				65 - 135			
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		8		6.942	LCS	86.8			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		7.956	LCS	99.5			65.0 - 135.0
Toluene	EPA 8020	ND		8		6.97	LCS	87.1			65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		23.54	LCS	98.1			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			88.3				65 - 135			
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		250		243.5	LCSD	97.4	6.43	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			77.6				65 - 135			
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		8		6.983	LCSD	87.3	0.59	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		7.815	LCSD	97.7	1.79	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		8		6.933	LCSD	86.7	0.53	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		24.252	LCSD	101.1	2.98	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	4-Bromofluorobenzene			81.7				65 - 135			

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## Quality Control Results Summary

QC Batch #: WGC62992B  
 Matrix: Liquid

Units: µg/L  
 Date Analyzed: 11/17/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		250		226.9	LCS	90.8			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>						
	4-Bromofluorobenzene			82.1				65 - 135			
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		8		7.315	LCS	91.4			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		8.1	LCS	101.3			65.0 - 135.0
Toluene	EPA 8020	ND		8		7.411	LCS	92.6			65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		24.853	LCS	103.6			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>						
	4-Bromofluorobenzene			94.5				65 - 135			
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		250		221.5	LCSD	88.6	2.41	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>						
	4-Bromofluorobenzene			83.1				65 - 135			
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		8		7.09	LCSD	88.6	3.12	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		7.792	LCSD	97.4	3.88	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		8		7.037	LCSD	88.0	5.18	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		23.892	LCSD	99.5	3.94	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>						
	4-Bromofluorobenzene			85.8				65 - 135			

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

## Quality Control Results Summary

QC Batch #: WMS110361  
Matrix: Liquid

Units:  $\mu\text{g/L}$   
Date Analyzed: 11/17/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: Oxygenates by EPA 8260B</b>											
Methyl-t-butyl Ether	EPA 8260B	ND		20		16.8	LCS	84.0			51.1 - 129.8
			<b>Surrogate</b>	<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>						
			4-Bromofluorobenzene	103.0	68 - 118						
			Dibromofluoromethane	73.9	57 - 156						
			Toluene-d8	105.0	77 - 150						
<b>Test: Oxygenates by EPA 8260B</b>											
Methyl-t-butyl Ether	EPA 8260B	ND		20		17.	LCSD	85.0	1.18	25.00	51.1 - 129.8
			<b>Surrogate</b>	<b>Surrogate Recovery</b>	<b>Control Limits (%)</b>						
			4-Bromofluorobenzene	101.0	68 - 118						
			Dibromofluoromethane	74.9	57 - 156						
			Toluene-d8	104.0	77 - 150						

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 Santa Clara, CA 95054 (408) 588-0201 - Fax

# Chain of Custody / Analysis Request

Attention to: <b>TRIDIB GUHA</b>	Phone No.: <b>925-363-1999</b>	Purchase Order No.: <b>SEKHON</b>	Invoice to: (If Different) <b>SAME</b>	Phone:
Company Name: <b>ADVANCED ASSESSMENT + REMEDIATION SERVICES</b>	Fax No.: <b>925-363-4070 (CALL BEFORE)</b>	Project No.:	Company:	
Mailing Address: <b>2380 SALVIO STREET, SUITE 202</b>	Email Address: <b>OUTS@earthlink.net</b>	Project Name: <b>SEKHON GAS STATION</b>	Billing Address: (If Different)	
City: <b>CONCORD</b>	State: <b>CA</b> Zip Code: <b>94520</b>	Project Location: <b>OAKLAND</b>	City:	State: Zip:

Sampler: <b>T. GUHA</b>	Field Org. Code:	<b>Turn Around Time</b> <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 6-10 Day (std)
Global ID: <b>T0000102286</b>		

Order ID: <b>36574</b>	Sample	Matrix	Composite	Grab	Containers
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Client ID / Field Point	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers
MW-1/GW	-001	11/13/03	11:00	W			3 Vials
MW-2/GW	-002		12:00				3
MW-3/GW	-003		11:20				3
MW-4/GW	-004		11:40				3
MW-5/GW	-005		12:20				3
MW-6/GW	-006		12:40				3

Preservative	<input type="checkbox"/> Volatile Organics by GC/MS: 601/602/624	<input type="checkbox"/> Oxygenates by GC/MS: 801/802/803	<input type="checkbox"/> TPH as Gas by GC/MS	<input type="checkbox"/> Diesel	<input type="checkbox"/> Motor Oil	<input type="checkbox"/> Fuel Scan	<input type="checkbox"/> Base/Neutral/Acid Organics	<input type="checkbox"/> Pesticides-8081	<input type="checkbox"/> PAHs	<input type="checkbox"/> PCBs - 8082	<input type="checkbox"/> PH	<input type="checkbox"/> TSS	<input type="checkbox"/> SC	<input type="checkbox"/> TOC	<input type="checkbox"/> Oil & Grease	<input type="checkbox"/> Phenols	<input type="checkbox"/> Anions: F, Cl, Br, NO2, NO3	<input type="checkbox"/> Perchlorate	<input type="checkbox"/> Metals - Circle Below	<input type="checkbox"/> Total	<input type="checkbox"/> Dissolved	<input type="checkbox"/> STLC	<input type="checkbox"/> TCLP	<input type="checkbox"/> TO-14	<input type="checkbox"/> TO-15 (Tedlar Bag Only)	Remarks
	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil	<input checked="" type="checkbox"/> Fuel Oil

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <b>11/13/03</b>	Time: <b>16:00</b>
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <b>11-13-03</b>	Time: <b>5:20</b>

**Special Instructions or Comments**

EDD Report     PDF Report  
 EDF Report  
 NPDES Detection Limits

**Semi-Conductor Metals:** Bi, Ce, Cs, Ga, Ge, In, Li, P, S, Ta, Te, Zr  
**Metals:** Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, Zn, V, W

LUFT-5     RCRA-8  
 PPM-13     CAM-17

*samples received in good conditions*