

September 28, 1994  
SCI 609.002

*rev'd 9-29-94 JZ*

Ms. Marianne Robison  
Buttner Properties  
600 West Grand Avenue  
Oakland, California 94612

**Quarterly Groundwater Monitoring  
September 1994 Event  
2250 Telegraph Avenue  
Oakland, California**

Dear Ms. Robison:

This letter records the results of the September 1994 groundwater monitoring event for the referenced site. A groundwater monitoring program has been implemented in accordance with Regional Water Quality Control Board and the Alameda County Health Care Services Agency guidelines due to the presence of petroleum hydrocarbons and solvents in the soil beneath previous underground storage tanks. The program requires that the existing four wells be monitored on a quarterly basis. The locations of the wells and former tanks are presented on the Site Plan, Plate 1.

**Groundwater Sampling**

On September 7, 1994, the four existing wells (MW-1, MW-2, MW-3 and MW-4) were sampled. In general, the event consisted of (1) measuring groundwater levels using an electric well sounder, (2) checking for free product, (3) purging water from each well until pH, conductivity and temperature had stabilized (approximately 3 well volumes), and (4) after the wells had recovered to at least 80 percent of their initial level, sampling the wells with new disposable bailers. The samples were retained in glass containers pre-cleaned by the supplier in accordance with EPA protocol. The containers were placed in an ice filled cooler and remained iced until delivery to the analytical laboratory. Chain-of-Custody documents accompanied the samples to the laboratory, copies of which are attached.

Analytical testing was performed by ChromaLab, Inc., a laboratory certified by the State of California Department of Health Services for hazardous waste and water testing. A sample from each well was analyzed for the following:

**Subsurface Consultants, Inc.**

Ms. Marianne Robison  
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1. Total volatile hydrocarbons (TVH), EPA Methods 5030/8015,
2. Total extractable hydrocarbons (TEH), EPA Methods 3550/8015, and
3. Volatile organic compounds (VOC), EPA Methods 8010/8020.

The sample from well MW-4 adjacent to the former waste oil tank was also analyzed for total oil and grease (TOG), SMWW 17:5520.

A summary of the current and previous analytical test results are presented in Table 1. The groundwater level data are presented in Table 2. Analytical test report and Chain-of-Custody documents are attached.

### Conclusions

Based on the groundwater data presented in Table 2, the groundwater gradient remains generally consistent with previous measurements. The gradient is relatively flat and tends toward the east. The groundwater gradient and flow contours for this event are shown on Plate 1.

Concentrations of petroleum hydrocarbons were detected in wells MW-1, MW-3 and MW-4 during this event. In general, the highest concentrations are present in well MW-4 adjacent to the former waste oil tank. No free product was observed during this event.

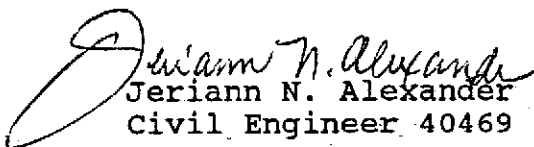
### Ongoing Monitoring

In accordance with the monitoring program, the existing wells are to be monitored on a quarterly basis. As such, the next sampling event will occur in December 1994.

If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.

  
Jeriann N. Alexander

Civil Engineer 40469 (expires 3/31/95)

JNA:RWR:sld

Ms. Marianne Robison  
Buttner Properties  
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Attachments: Table 1 - Summary of Contaminants in Groundwater  
Table 2 - Groundwater Elevation Data  
Plate 1 - Site Plan  
Analytical Test Report  
Chain-of-Custody Form  
Well Sampling Forms

**Distribution:**

1 copy: Ms. Marianne Robison  
Buttner Properties  
600 West Grand Avenue  
Oakland, California 94612

1 copy: Ms. Jennifer Eberle  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Table 1**  
**Summary of Contaminants in Groundwater**

Well	Date	Petroleum Hydrocarbons					Volatile Organics								Metals
		Gasoline µg/l	Kerosene µg/l	Diesel µg/l	Motor Oil mg/l	Oil & Grease mg/l	Benzene µg/l	Toluene µg/l	Ethyl- Benzene µg/l	Xylenes µg/l	1,1,1-TCA µg/l	1,1-DCA µg/l	PCE µg/l	Chloro- Benzene µg/l	Lead mg/l
MW-1	3/03/94	300	<50	<50	<0.5	<1	1.3	<0.5	2.7	3.1	<0.5	5.5	<0.5	<0.5	<0.01
	6/06/94	430	180+	<50	0.5	-	10	2.2	6.1	7.6	<0.5	<0.5	<0.5	<0.5	-
	9/07/94	410 ✓	<50 ✓	<50 ✓	<0.5 ✓	-	6.4 ✓	0.8	2.6	3.8	<0.5	3.8	<0.5	<0.5	-
MW-2	3/03/94	110	<50	<50	<0.5	<1	<0.5	1.7	0.58	2.7	<0.5	<0.5	<0.5	<0.5	<0.01
	6/06/94	100	<50	<50	<0.5	-	11	<0.5	0.7	1.1	<0.5	<0.5	<0.5	<0.5	-
	9/07/94	<50 ✓	<50 ✓	<50 ✓	<0.5 ✓	-	<0.5 ✓	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-3	3/03/94	85	<50	<50	<0.5	<1	<0.5	0.77	<0.5	3.7	<0.5	<0.5	<0.5	<0.5	<0.01
	6/06/94	100	110+	<50	<0.5	-	<0.5	<0.5	<0.5	<0.5	2.5	0.8	2.1	<0.5	-
	9/07/94	220 ✓	<50 ✓	<50 ✓	<0.5 ✓	-	11 ✓	1.8	2.6	3.5	<0.5	<0.5	0.6	<0.5	-
MW-4	3/03/94	4300	<50	240	<0.5	1.3	220	20	7.5	17	<0.5	5.9	<0.5	4.4	<0.01
	6/06/94	4400	<50	800+	<0.5	1.7	140	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
	9/07/94	10,000 ✓	490+ ✓	280+ ✓	<0.5 ✓	<1 ✓	84 ✓	<0.5	42	69	<0.5	4.4	0.5	4.3	-

+ = Uncategorized hydrocarbons quantified in ranges specified

mg/l = milligrams per liter = parts per million

µg/l = micrograms per liter = parts per billion

<1 = Chemical not present at a concentration greater than the laboratory detection limit shown or stated on test reports.

DCA = Dichloroethane

- = Chemical not tested for

TCA = Trichloroethane

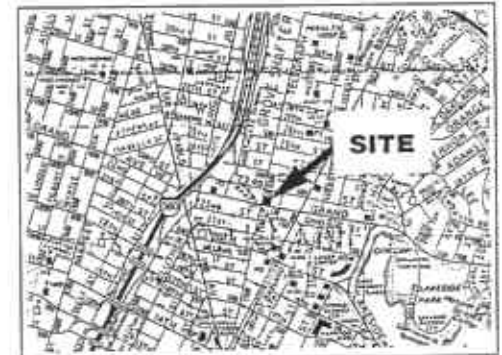
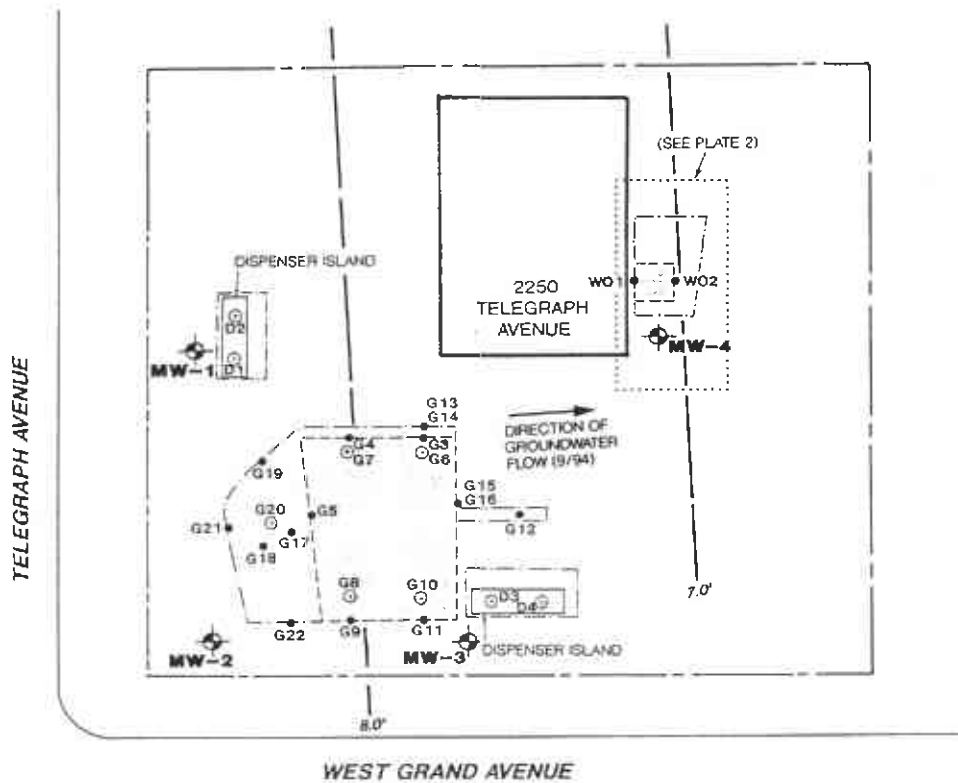
PCE = Tetrachloroethene

**Table 2  
Groundwater Elevation Data**

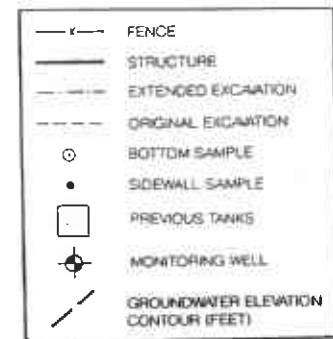
<b>Well</b>	<b>Date</b>	<b>TOC Elevation (feet)</b>	<b>Depth (feet)</b>	<b>Elevation (feet)</b>
1	3/03/94	20.55	10.39	10.16
	3/10/94		10.54	10.01
	6/06/94		11.36	9.19
	9/07/94		11.92	8.63
2	3/03/94	20.03	10.37	9.66
	3/10/94		10.53	9.50
	6/06/94		11.15	8.88
	9/07/94		11.72	8.31
3	3/03/94	18.97	9.50	9.47
	3/10/94		9.51	9.26
	6/06/94		10.28	8.69
	9/07/94		10.75	8.22
4	3/03/94	19.88	10.89	8.99
	3/10/94		11.19	8.69
	6/06/94		11.85	8.03
	9/07/94		12.86	7.02

TOC = Top of Casing

Elevation Reference: USCGS benchmark W1197, 1969 with a reported elevation of +21.06 feet MSL datum.



VICINITY MAP



APPROXIMATE SCALE (feet)



SITE PLAN

Subsurface Consultants

2250 TELEGRAPH AVENUE - OAKLAND, CA  
 JOB NUMBER 609.002  
 DATE 9/21/94  
 APPROVED

PLATE

1

# CHROMALAB, INC.

Environmental Services (SDB)

September 12, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: One sample for Oil & Grease analysis

Matrix: WATER

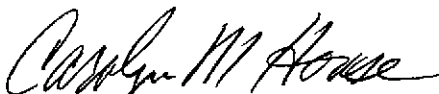
Sampled: September 7, 1994

Analyzed: September 9, 1994

Method: STD Method 5520 B & F

<u>Sample #</u>	<u>Client Sample ID</u>	<u>Oil &amp; Grease (mg/L)</u>
61937	MW4	N.D.
Blank		N.D.
Reporting Limit		1.0

ChromaLab, Inc.

  
Carolyn M. House  
Analyst

  
Ali Kharrazi  
Organic Manager

cc

# CHROMALAB, INC.

Environmental Services (SDB)

September 14, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: Four samples for Gasoline and BTEX analysis

Matrix: WATER

Sampled: September 7, 1994


Analyzed: September 8, 1994


Method: EPA 5030/M.8015/602

## RESULTS:

Sample #	Client Sample I.D.	Gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
61934	MW-1	0.41	6.4	0.8	2.6	3.8
61935	MW-2	N.D.	N.D.	N.D.	N.D.	0.6
61936	MW-3	0.22	11	1.8	2.6	3.5
61937	MW-4	10	84	N.D.	42	69
Blank		N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Recovery		83%	96%	107%	101%	109%
Reporting Limit		0.05	0.5	0.5	0.5	0.5

ChromaLab, Inc.

  
Billy Thach  
Analytical Chemist

  
Ali Kharrazi  
Organic Manager

cc



# CHROMALAB, INC.

Environmental Services (SDB)

September 14, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: Four water samples for TEPH analysis

Matrix: WATER

Sampled: September 7, 1994

Analyzed: September 9, 1994

Method: 3510/8015

Sample #	Client Sample ID	Kerosene ( $\mu\text{g/L}$ )	Diesel ( $\mu\text{g/L}$ )	Motor Oil ( $\text{mg/L}$ )
61934	MW-1	N.D.	N.D.	N.D.
61935	MW-2	N.D.	N.D.	N.D.
61936	MW-3	N.D.	N.D.	N.D.
61937	MW-4	N.D. <sup>a</sup>	N.D. <sup>b</sup>	N.D.

a - Unknown compounds were found in the kerosene range in the estimated amount of 490  $\mu\text{g/L}$  compared with kerosene standard.

b - Unknown compounds were found in the diesel range in the estimated amount of 280  $\mu\text{g/L}$  compared with diesel standard.

Blank	N.D.	N.D.	N.D.
Spike Recovery	---	77%	---
Dup Spike Recovery	---	83%	---
Reporting Limit	50	50	0.5

ChromaLab, Inc.

*Sirirat Chullakorn*

Sirirat Chullakorn  
Analytical Chemist

*Ali Kharrazi*

Ali Kharrazi  
Organic Manager

kv

# CHROMALAB, INC.

Environmental Services (SDB)

September 14, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample ID: MW-1

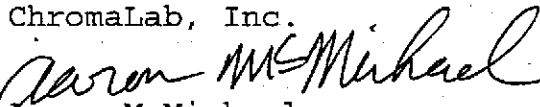
Matrix: WATER

Sampled: September 7, 1994 Spl #: 61934 Run: 3828 Analyzed: September 8, 1994

Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	111
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	3.8	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	105
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	106
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

  
Aaron McMichael  
Chemist

  
Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 14, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample ID: MW-2

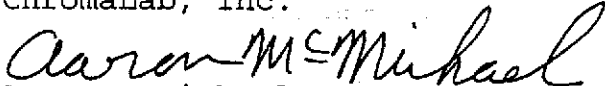
Matrix: WATER

Sampled: September 7, 1994 Spl #: 61935 Run: 3828 Analyzed: September 8, 1994

Method: EPA 601

<u>ANALYTE</u>	<u>RESULT</u> (ug/L )	<u>REPORTING</u> <u>LIMIT</u> (ug/L )	<u>BLANK</u> <u>RESULT</u> (ug/L )	<u>BLANK SPIKE</u> <u>RESULT</u> (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	111
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	105
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	106
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

  
Aaron McMichael  
Chemist

  
Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 14, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample ID: MW-3

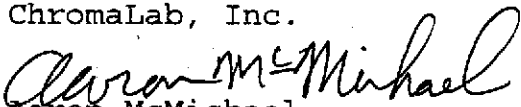
Matrix: WATER


Sampled: September 7, 1994 Spl#: 61936 Run: 3829 Analyzed: September 13, 1994

Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	109
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	116
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	0.60	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	122
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

  
Aaron McMichael  
Chemist

  
Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 14, 1994

Submission #: 9409076

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.

Project#: 609.002

Received: September 7, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample ID: MW-4

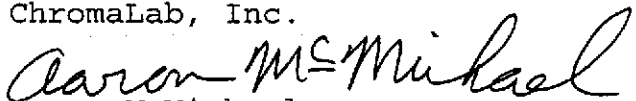
Matrix: WATER

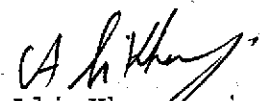
Sampled: September 7, 1994 Spl #: 61937 Run: 3828 Analyzed: September 8, 1994

Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	111
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	4.4	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	105
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	0.50	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	4.3	0.5	N.D.	106
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

  
Aaron McMichael  
Chemist

  
Ali Kharrazi  
Organic Manager









## WELL SAMPLING FORM

Project Name: 2250 Telegraph Well Number: MW-2  
 Job No.: 609.002 Well Casing Diameter: 2 inch  
 Sampled By: DWA Date: 9/6/94  
 TOC Elevation: \_\_\_\_\_ Weather: Sunny

Depth to Casing Bottom (below TOC) 18.00 feet  
 Depth to Groundwater (below TOC) 11.72 feet  
 Feet of Water in Well 6.28 feet  
 Depth to Groundwater When 80% Recovered 12.98 feet  
 Casing Volume (feet of water x Casing DIA<sup>2</sup> x 0.0408) 1.03 gallons  
 Depth Measurement Method Electronic Sounder (Tape & Paste / Other)  
 Free Product none  
 Purge Method disposable bailer

### FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°C)	Conductivity (micromhos/cm)	Salinity S%	Comments
<u>0</u>	<u>7.16</u>	<u>24.0</u>	<u>575</u>		<u>clear / no odor</u>
<u>1</u>	<u>7.17</u>	<u>24.0</u>	<u>600</u>		<u>lt. muckiness / slight odor</u>
<u>2</u>	<u>7.15</u>	<u>24.0</u>	<u>550</u>		<u>increasing turbidity</u>
<u>3</u>	<u>7.19</u>	<u>24.0</u>	<u>600</u>		

Total Gallons Purged 3 gallons  
 Depth to Groundwater Before Sampling (below TOC) 12.78 feet  
 Sampling Method disposable bailer  
 Containers Used 6 40 ml 1 liter \_\_\_\_\_ pint

Drum is full

**Subsurface Consultants**

	PLATE	
JOB NUMBER	DATE	APPROVED

## WELL SAMPLING FORM

Project Name: 2250 Telegraph Ave. Well Number: MW-3

Job No.: 609.002 Well Casing Diameter: 2 inch

Sampled By: DWJL Date: 9/6/94

TOC Elevation: \_\_\_\_\_ Weather: Sunny

Depth to Casing Bottom (below TOC) 18.00 feet

Depth to Groundwater (below TOC) 10.75 feet

Feet of Water in Well 7.25 feet

Depth to Groundwater When 80% Recovered 12.20 feet

Casing Volume (feet of water x Casing DIA<sup>2</sup> x 0.0408) 1.18 gallons

Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product none

Purge Method disposable bailer

### FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°C)	Conductivity (micromhos/cm)	Salinity S%	Comments
<u>1</u>	<u>6.49</u>	<u>23.0</u>	<u>1225</u>		<u>clear/mod. odor</u>
<u>2</u>	<u>6.55</u>	<u>22.5</u>	<u>1200</u>		<u>semi-clear</u>
<u>3</u>	<u>6.63</u>	<u>22.5</u>	<u>1200</u>		<u>lightly murky</u>
<u>4</u>	<u>6.78</u>	<u>22.5</u>	<u>1175</u>		<u>deg @ 4 gals.</u>

Total Gallons Purged 4 gallons

Depth to Groundwater Before Sampling (below TOC) 10.85' @ 12:30 p.m. 9/7/94 feet

Sampling Method disposable bailer

Containers Used 6 40 ml 1 liter \_\_\_\_\_ pint

Drum is Full

**Subsurface Consultants**

JOB NUMBER

DATE

APPROVED

PLATE

## WELL SAMPLING FORM

Project Name: 2250 Telegraph Well Number: MW-4  
 Job No.: 609.002 Well Casing Diameter: 2 inch  
 Sampled By: DWA Date: 9/6/94  
 TOC Elevation: \_\_\_\_\_ Weather: Sunny

Depth to Casing Bottom (below TOC) 18.00 feet  
 Depth to Groundwater (below TOC) 12.86 feet  
 Feet of Water in Well 5.14 feet  
 Depth to Groundwater When 80% Recovered 13.89 feet  
 Casing Volume (feet of water x Casing DIA<sup>2</sup> x 0.0408) .84 gallons  
 Depth Measurement Method Tape & Paste Electronic Sounder Other \_\_\_\_\_  
 Free Product none  
 Purge Method disposable bailer

### FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°C)	Conductivity (micromhos/cm)	Salinity S%	Comments
<u>0</u>	<u>7.07</u>	<u>24.5</u>	<u>1175</u>		<u>clear/moderate odor</u>
<u>1</u>	<u>6.97</u>	<u>22.5</u>	<u>1175</u>		<u>lightly murky</u>
<u>2</u>	<u>6.96</u>	<u>23.0</u>	<u>1175</u>		<u>increasing turbidity/slight sl.</u>
<u>3</u>	<u>6.98</u>	<u>22.5</u>	<u>1175</u>		<u>stronger odor</u>

Total Gallons Purged 3 gallons

Depth to Groundwater Before Sampling (below TOC) 13.20' feet

Sampling Method teflon bailer

Containers Used 6 40 ml 1 liter \_\_\_\_\_ pint

Drum is full

**Subsurface Consultants**

JOB NUMBER

DATE

APPROVED

PLATE