

R. William Rudolph, Jr., PE  
Thomas E. Cundey, PE  
Jeriann N. Alexander, PE

October 16, 1995  
SCI 609.002

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

**Quarterly Groundwater Monitoring  
September 1995 Event  
2250 Telegraph Avenue  
Oakland, California**

Dear Ms. Robison:

This letter records the results of the September 1995 groundwater monitoring event for the referenced site. The 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 four existing 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 18 and 19, 1995, 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, 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.

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.**

171 12th Street • Suite 201 • Oakland, California 94607 • Telephone 510-268-0461 • FAX 510-268-0137

ENVIRONMENTAL  
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510-268-0137

Ms. Marianne Robison  
Buttner Properties  
October 16, 1995  
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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 5030/8010/8020.

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. Well sampling forms, the analytical test report and Chain-of-Custody documents are attached.

### Conclusions

Based on the groundwater data presented in Table 2 and flow contours presented in Plate 1, the groundwater gradient remains generally consistent with previous measurements. Groundwater tends to flow toward the ~~south~~ <sup>SE</sup> and at a gradient of approximately 1.6%.

During this event, concentrations of petroleum hydrocarbons and BTEX were detected in wells MW-1, MW-3 and MW-4, but no free product was observed. In addition, low DCA (MW-1 and MW-4) and chlorobenzene (MW-4) were detected at concentrations similar to past events. In general, the highest concentrations are present in well MW-4 adjacent to the former waste oil tank.

### Ongoing Monitoring

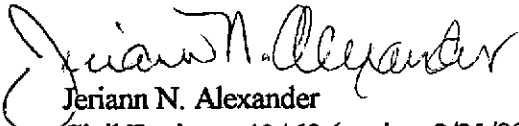
The ACHCSA has recently reviewed the case file and based on the monitoring results have revised the program to include semi-annual monitoring. As such, the next sampling event will occur in March 1996.

Ms. Marianne Robison  
Buttner Properties  
October 16, 1995  
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If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.

  
Jeriann N. Alexander  
Civil Engineer 40469 (expires 3/31/99)

JD:JNA:RWR:sld

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:**

cc: ✓ 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 Range µg/l	Kerosene Range µg/l	Diesel Range µg/l	Motor Oil Range 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	1,2-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	7.8	<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	-
	12/22/94	130	<50	<50	<0.5	-	0.7	<0.5	0.6	0.8	<0.5	3.4	<0.5	<0.5	-
	3/17/95	1600	170	<50	<0.5	-	29	<0.5	9.1	6.9	<0.5	<0.5	<0.5	<0.5	-
	6/27/95	1100	<50	<50	<0.5	-	14	<0.5	7.1	5	<0.5	3.3	<0.5	<0.5	-
	9/18/95	320	<50	110+	<0.5	-	4.4	0.6	2	1.4	<0.5	2.4	<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	-
	12/22/94	<50	<50	<50	<0.5	-	0.8	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	-
	3/17/95	180	100	<50	<0.5	-	31	<0.5	1	1.8	<0.5	<0.5	<0.5	<0.5	-
	6/27/95	80	<50	<50	<0.5	-	6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
	9/18/95	<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	0.6	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	-
	12/22/94	130	95+	<50	<0.5	-	3.8	0.5	0.6	1.2	<0.5	<0.5	<0.5	<0.5	-
	3/17/95	1600	270	<50	<0.5	-	63	6	10	15	<0.5	<0.5	<0.5	<0.5	-
	6/27/95	2500	<50	<50	<0.5	-	310	8.9	8.1	20	<0.5	<0.5	<0.5	<0.5	-
	9/18/95	1500	<50	770+	<0.5	-	400	11	2.2	33	<0.5	<0.5	<0.5	<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	-
	12/22/94	2400	450+	54+	<0.5	<1	11	<0.5	7.1	11	<0.5	3.6	3.8	<0.5	-
	3/17/95	2200	380	160+	<0.5	<1	<0.5	<0.5	7.9	10	<0.5	1.7	<0.5	4.5	-
	6/27/95	3100	<50	82	<0.5	<1	<0.5	<0.5	13	19	<0.5	2.3	<0.5	4.8	-
	9/18/95	3000	<50	1231+	<0.5	1.2	12	<0.7	6.9	0.3	<0.5	1.9	<0.5	4	-

DCA = Dichloroethane

TCA = Trichloroethane

PCE = Tetrachloroethane

- = Chemical not tested for

+ = 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.

annual

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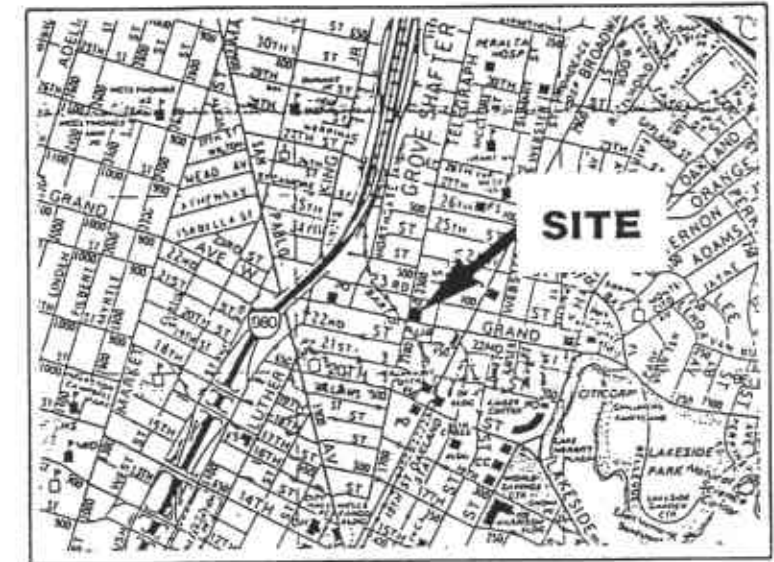
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**Table 2**  
**Groundwater Elevation Data**

Well	Date	TOC Elevation (feet) MSL	Depth (feet)	Elevation (feet) MSL
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
	12/22/94		10.83	9.72
	3/17/95		9.73	10.82
	6/27/95		10.51	10.04
	9/18/95		11.12	9.43
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
	12/22/94		11.27	8.76
	3/17/95		9.85	10.18
	6/27/95		10.70	9.33
	9/18/95		11.67	8.36
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
	12/22/94		9.74	9.23
	3/17/95		8.85	10.12
	6/27/95		9.94	9.03
	9/18/95		10.54	8.43
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
	12/22/94		12.26	7.62
	3/17/95		10.10	9.78
	6/27/95		11.05	8.83
	9/18/95		11.84	8.04

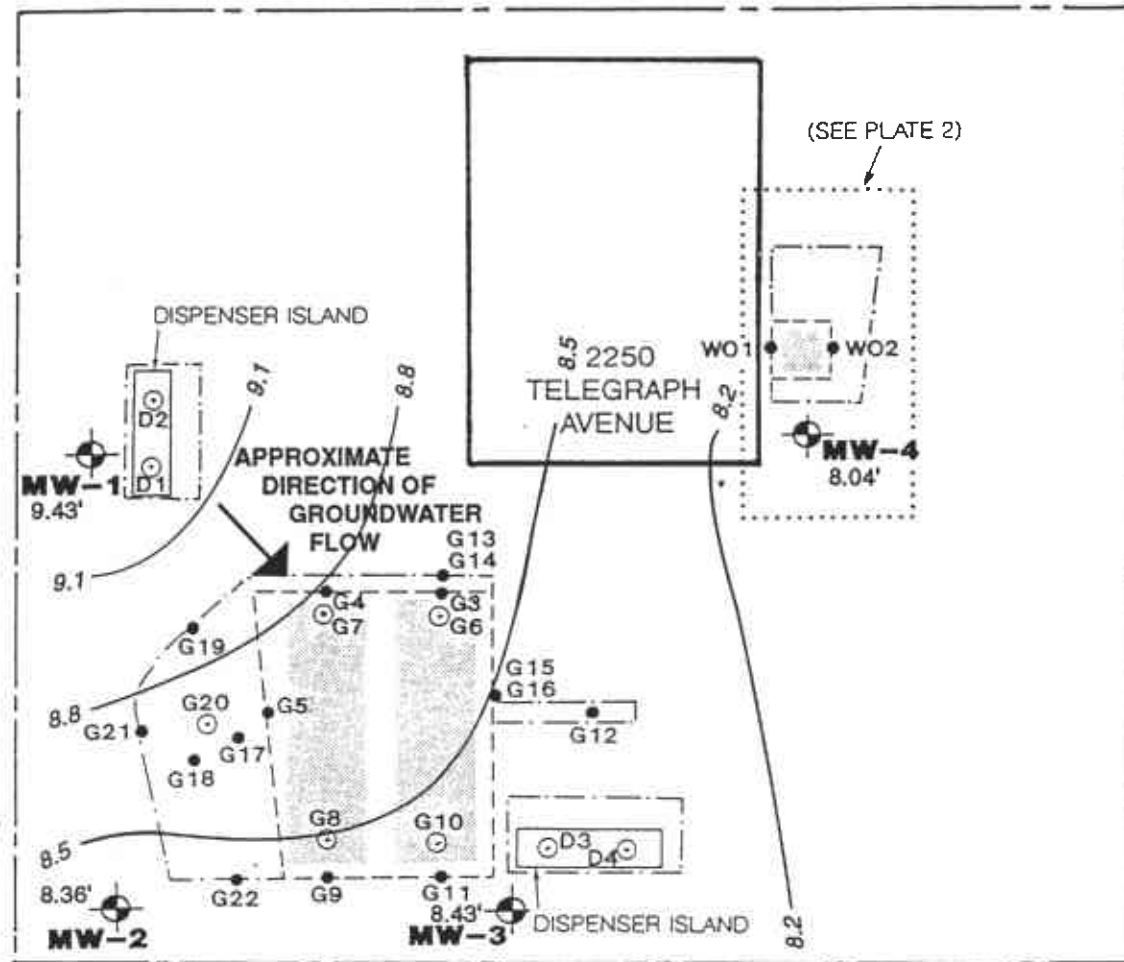
TOC = Top of Casing

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

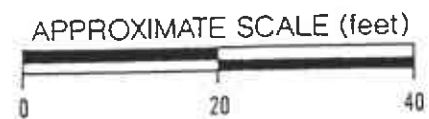
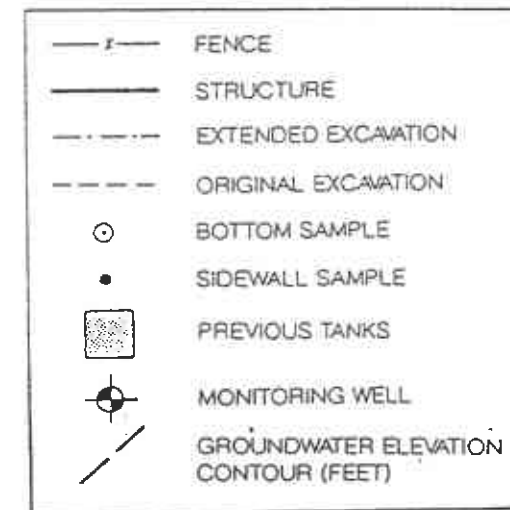


VICINITY MAP

TELEGRAPH AVENUE



WEST GRAND AVENUE



SITE PLAN			PLATE <b>1</b>
2250 TELEGRAPH AVENUE - OAKLAND, CA			
Subsurface Consultants	JOB NUMBER 609.002	DATE 9/29/95	APPROVED 

## WELL SAMPLING FORM

Project Name: 2250 Telegraph Ave. Well Number: Mw-1  
 Job No.: 609-002 Well Casing Diameter: 2 inch  
 Sampled By: DWA Date: 9/19/95  
 TOC Elevation: \_\_\_\_\_ Weather: Sunny

Depth to Casing Bottom (below TOC) 18.50 feet  
 Depth to Groundwater (below TOC) 11.12 feet  
 Feet of Water in Well 7.38 feet  
 Depth to Groundwater When 80% Recovered 12.60 feet  
 Casing Volume (feet of water x Casing DIA<sup>2</sup> x 0.0408) 1.2 gallons  
 Depth Measurement Method Tape & Paste / **Electronic Sounder** / Other  
 Free Product none  
 Purge Method disposable bailer

### FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°F)	Conductivity (micromhos/cm)	Salinity S%	Comments
<u>1</u>	<u>8.01</u>	<u>69.8</u>	<u>2000</u>	_____	<u>Clear/moderate color</u>
<u>2</u>	<u>7.74</u>	<u>69.2</u>	<u>900</u>	_____	_____
<u>3</u>	<u>7.55</u>	<u>68.5</u>	<u>845</u>	_____	_____
<u>4</u>	<u>7.47</u>	<u>68.4</u>	<u>810</u>	_____	_____
<u>4</u>	_____	_____	_____	_____	_____

Total Gallons Purged 4 gallons  
 Depth to Groundwater Before Sampling (below TOC) 12.60 feet  
 Sampling Method disposable bailer  
 Containers Used 6 40 ml    1 liter    \_\_\_\_\_ pint

Subsurface Consultants

JOB NUMBER

DATE

APPROVED

PLATE







# CHROMALAB, INC.

Environmental Services (SDB)

October 1, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

Project#: 609.002

re: 4 samples for Gasoline and BTEX analysis.  
Method: EPA 5030/8015M/602/8020

Sampled: September 18, 1995 Matrix: WATER  
Run: 8670-2 Analyzed: September 28, 1995

Spl #	Sample ID	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
104157	MW-4	3.0	12	N.D.	6.9	8.3
For above sample:		Detection limit: BTEX=0.7ug/l & Gasoline=0.07mg/l				

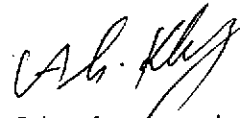
Sampled: September 19, 1995 Matrix: WATER  
Run: 8670-2 Analyzed: September 28, 1995

Spl #	Sample ID	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
104154	MW-1	0.37	4.4	0.6	2.0	1.4
104155	MW-2	N.D.	N.D.	N.D.	N.D.	N.D.
104156	MW-3	1.5	400	11	2.2	33
For above sample:		Benzene detection limit = 1.7ug/l				

Reporting Limits	0.05	0.5	0.5	0.5	0.5
Blank Result	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)	98	102	101	105	98



Billy Thach  
Chemist



Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 29, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander  
Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

Project#: 609.002

re: 4 samples for Total Extractable Petroleum Hydrocarbons (TEPH) analysis.

Method: EPA 3510/8015M

Sampled: September 18, 1995 Matrix: WATER Extracted: September 26, 1995  
Run: 8646-K Analyzed: September 28, 1995


Spl #	Sample ID	Kerosene (ug/L)	Diesel (ug/L)	Motor Oil (ug/L)
104157	MW-4	N.D.	N.D.	N.D.
For above sample: Unknown hydrocarbons in the Diesel range, conc. = 1231ug/L.				

Sampled: September 19, 1995 Matrix: WATER Extracted: September 26, 1995  
Run: 8646-K Analyzed: September 28, 1995

Spl #	Sample ID	Kerosene (ug/L)	Diesel (ug/L)	Motor Oil (ug/L)
104154	MW-1	N.D.	N.D.	N.D.
For above sample: UNKNOWN PEAK IN THE DIESEL RANGE, CONC. = 110ug/L.				
104155	MW-2	N.D.	N.D.	N.D.
104156	MW-3	N.D.	N.D.	N.D.
For above sample: Unknown hydrocarbons in the Diesel range, conc. = 770ug/L.				

Reporting Limits  
Blank Result  
Blank Spike Result (%)

50	50	500
N.D.	N.D.	N.D.
--	111	--

  
Kayvan Kimyai  
Chemist

  
Ali Khayazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 28, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

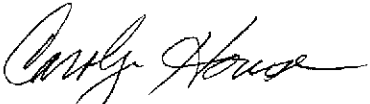
Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

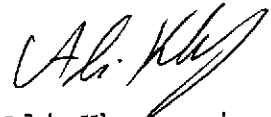
Project#: 609.002

re: 1 sample for Oil and Grease analysis.  
Method: STANDARD METHODS 5520 B&F

Sampled: September 18, 1995 Matrix: WATER Extracted: September 28, 1995  
Run: 8659-C Analyzed: September 28, 1995

<u>Spl #</u>	<u>Sample ID</u>	<u>OIL &amp; GREASE</u> <u>(mg/L)</u>	<u>REPORTING</u> <u>LIMIT</u> <u>(mg/L)</u>	<u>BLANK</u> <u>RESULT</u> <u>(mg/L)</u>	<u>BLANK SPIKE</u> <u>RESULT</u> <u>(%)</u>
104157	MW-4	1.2	1.0	N.D.	99

  
Carolyn House  
Extractions Supervisor

  
Ali Khafrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 29, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

Project#: 609.002

re: One sample for Volatile Halogenated Organics analysis.  
Method: EPA 8010

SampleID: MW-1

Sample #: 104154

Matrix: WATER

Sampled: September 19, 1995

Run: 8672-0

Analyzed: September 25, 1995

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.	77
METHYLENE CHLORIDE	N.D.	0.5	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	2.4	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	111
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.	115
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.	--



Oleg Nemtsov  
Chemist



Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 29, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

Project#: 609.002

re: One sample for Volatile Halogenated Organics analysis.  
Method: EPA 8010

SampleID: MW-2

Sample #: 104155

Matrix: WATER

Sampled: September 19, 1995

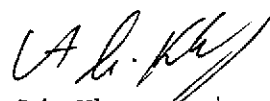
Run: 8672-0

Analyzed: September 25, 1995

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.	77
METHYLENE CHLORIDE	N.D.	0.5	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.	111
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.	115
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.	--



Oleg Nemtsov  
Chemist



Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 29, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

Project#: 609.002

re: One sample for Volatile Halogenated Organics analysis.  
Method: EPA 8010

SampleID: MW-3

Sample #: 104156

Matrix: WATER

Sampled: September 19, 1995

Run: 8672-0

Analyzed: September 25, 1995

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.	77
METHYLENE CHLORIDE	N.D.	0.5	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.	111
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.	115
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.	--



Oleg Nemtsov  
Chemist



Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

September 29, 1995

Submission #: 9509307

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVE.  
Received: September 22, 1995

Project#: 609.002

re: One sample for Volatile Halogenated Organics analysis.  
Method: EPA 8010

SampleID: MW-4

Sample #: 104157

Matrix: WATER

Sampled: September 18, 1995

Run: 8672-0

Analyzed: September 25, 1995

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.	77
METHYLENE CHLORIDE	N.D.	0.5	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	1.9	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.	111
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	4.0	0.5	N.D.	115
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.	--



Oleg Nemtsov  
Chemist



Ali Kharfazi  
Organic Manager



307/104154-104157

SUBM #: 9509307 REP: MD  
CLIENT: SUBSURF  
DATE: 09/29/95  
REF #: 24041

24041

## CHAIN OF CUSTODY FORM

PAGE \_\_\_\_\_ OF \_\_\_\_\_

PROJECT NAME: 2250 Telegraph Ave.  
JOB NUMBER: 609.002 LAB: ~~Geotest~~ Chemolab  
PROJECT CONTACT: Jeri Alexander TURNAROUND: Normal  
SAMPLED BY: Dennis Alexander REQUESTED BY: Jeri Alexander

ANALYSIS REQUESTED				
TEH	TVH	P010	P020	ORG

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES			
		WATER	SOIL	WASTE	AIR	VOA	LITER	PINT	TUBE	HCL	H2SO4	HNO3	ICE	NONE	MONTH	DAY	YEAR	TIME				
	MW-1	X				6	1			X			X		09	19	95	0930	X	X	X	X
	MW-2	X				6	1			X			X		09	18	95	1230	X	X	X	X
	MW-3	X				6	1			X			X		09	19	95	0815	X	X	X	X
	MW-4	X				6	2			X			X		09	18	95	1115	X	X	X	X

## CHAIN OF CUSTODY RECORD

COMMENTS &amp; NOTES:

RELEASED BY: (Signature) <i>Dennis Alexander</i>	DATE / TIME 9/22/95 11:50 a.m.	RECEIVED BY: (Signature) <i>Jeri Alexander</i>	DATE / TIME 9/22/95 11:50
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

Subsurface Consultants, Inc.

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