

# Environmental Restoration Services

Site Investigations \* Fuel Tank Closures and Installations \* Site Remediation \* Regulatory Reporting

\* 3687

Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Second Floor  
Alameda, CA 94502

May 7, 2001

MAY 21 2001

Attn: Mr. Barney Chan; Haz Mat. Specialist for : DiSalvo Trucking  
4919 Tidewater Ave., Oakland

Re: Groundwater Monitoring Event

On April 26, 2001 a single round of groundwater samples were obtained from monitoring wells MW1 through MW4.

Groundwater samples were collected from the wells by bailing each well until the volume of water withdrawn was equal to at least four casing volumes. To assure that a representative groundwater sample was collected, periodic measurements of the temperature, pH and specific conductance were made. The sample was collected only when the temperature, pH, and specific conductance reached relatively constant values.

A hand operated bailer was used for evacuating the well casing (purging) of each monitor well. Water samples were collected using a new disposable bailer. An effort was made to minimize exposure of the sample to air.

Subsequent to collection, the samples were immediately stored on ice in an appropriate ice chest. Samples were transported under Chain-of-Custody procedures to Entech Analytical Labs (Entech) of Santa Clara, CA.

Sampling equipment was cleaned after its use at each sampling location. Thermometers, pH electrodes, and conductivity probes were also cleaned after sampling of each well. Cleaning procedures were accomplished by scrubbing with a detergent-potable water solution and rinsing with potable water.

Care was taken to collect all excess water resulting from the sampling and cleaning procedures. The excess water is contained in the 5000 gallon on-site tank.

## 4.1 Laboratory Analyses

The following analyses were performed by Entech on groundwater samples obtained from the monitor wells:

TPH-gasoline TPH-diesel (EPA Method 8015M); BTEX, (EPA Method 8020)

*5/21/00 - sp w/ B Halsted, will re-run samples treated w/ silica gel. Will also update office re: CAP.*

The results of the analysis were as follows;

Results in Parts Per Billion (PPB)

Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylenes	TPH/d
MW1	ND	ND	ND	ND	ND	1300
MW2	2400	ND	ND	ND	ND	57000
MW3	310	ND	ND	ND	ND	21000
MW4	2100	ND	ND	ND	ND	24000

Note: ~~TPH-diesel analysis was performed without treatment with silica gel~~, *should have treated samples w/ silica gel.*

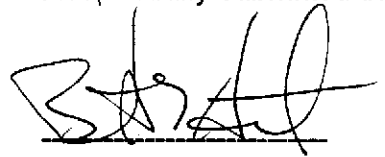
Chains-of-Custody and laboratory results are contained in the appendix.

**Determination of Horizontal Groundwater Gradient**

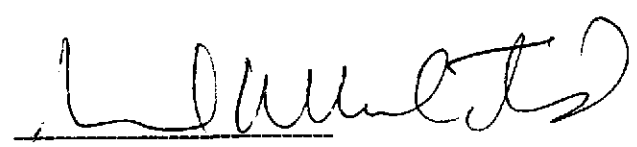
On April 26, 2001 the water levels in monitor wells MW1, MW2, and MW3 were measured within a one hour period. The water surface elevations in the wells were calculated using the survey data. Then, the horizontal hydraulic gradient was calculated based on accurately determined well locations.

The gradient calculated indicated a west northwestern direction at a magnitude of approximately 0.35%. These groundwater elevation contours are depicted in Figure 2.

Respectfully submitted this 7th day of May, 2001,



Bennett T Halsted  
Project Manager



Samuel H Halsted P.E.  
CE 14095

# FIGURES



# VICINITY MAP

4919 Tidewater Ave., Oakland, CA

DATE 5/8/01

SCALE NTS

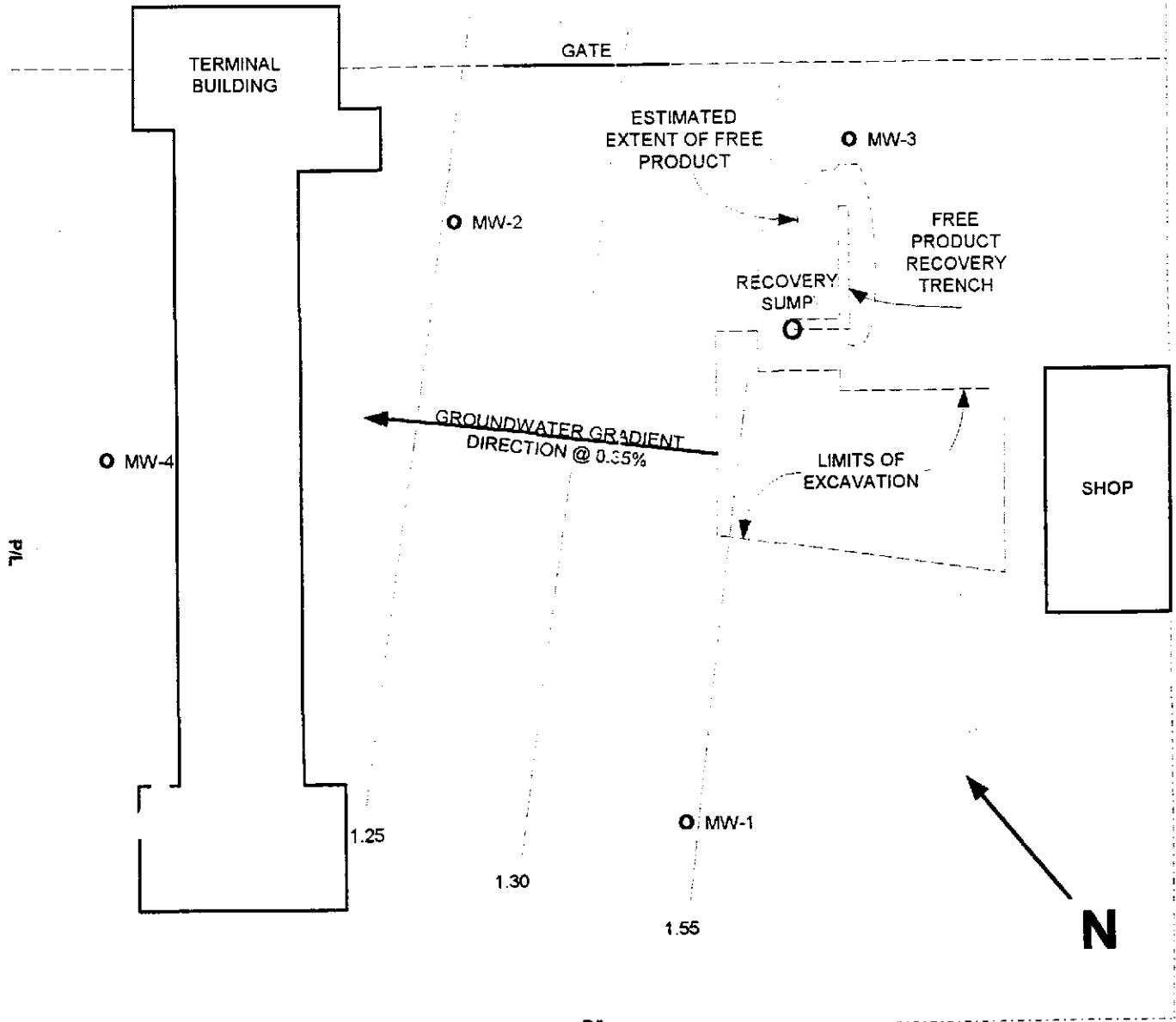
BY:

*Environmental Restoration Services*  
500 Santa Cruz Ave., Menlo Park, CA 94025

**FIGURE 1**

TIDEWATER AVENUE

PL



WELL#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
MW1	2.68	1.14	1.54
MW2	3.50	1.74	1.26
MW3	2.90	1.29	1.61

# SITE PLAN

4919 Tidewater Ave., Oakland, CA

DATE 5/8/01

SCALE NTS

BY:

*Environmental Restoration Services*  
500 Santa Cruz Ave., Menlo Park, CA 94025

**FIGURE 2**

**CHAIN-OF-CUSTODY  
ANALYTICAL RESULTS**

# Entech Analytical Labs, Inc.

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

# Chain of Custody / Analysis Request

Attention to: <b>B. DeSoto</b>	Phone No.: <b>650-525-3216</b>	Purchase Order No.:	Send Invoice to (if Different):	Phone:
Company Name: <b>Environmental Resources</b>	Fax No.: <b>650-327-2041</b>	Project Number:	Company:	
Mailing Address: <b>500 Santa Cruz Ave.</b>		Project Name: <b>Disilvo</b>	Billing Address (if Different):	
City: <b>Menlo Park</b>	State: <b>Ca</b> Zip: <b>94025</b>	Project Location:	City:	State: Zip:

Sampler: <b>P. Prior</b>	Same Day <input type="checkbox"/> Turn Around Time: 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> Standard <input checked="" type="checkbox"/>	Volatile Organics by GC/MS: P19 <input type="checkbox"/> P20 <input type="checkbox"/> P21 <input type="checkbox"/> P22 <input type="checkbox"/> P23 <input type="checkbox"/> P24 <input type="checkbox"/> P25 <input type="checkbox"/> P26 <input type="checkbox"/> P27 <input type="checkbox"/> P28 <input type="checkbox"/> P29 <input type="checkbox"/> P30 <input type="checkbox"/> P31 <input type="checkbox"/> P32 <input type="checkbox"/> P33 <input type="checkbox"/> P34 <input type="checkbox"/> P35 <input type="checkbox"/> P36 <input type="checkbox"/> P37 <input type="checkbox"/> P38 <input type="checkbox"/> P39 <input type="checkbox"/> P40 <input type="checkbox"/> P41 <input type="checkbox"/> P42 <input type="checkbox"/> P43 <input type="checkbox"/> P44 <input type="checkbox"/> P45 <input type="checkbox"/> P46 <input type="checkbox"/> P47 <input type="checkbox"/> P48 <input type="checkbox"/> P49 <input type="checkbox"/> P50 <input type="checkbox"/> P51 <input type="checkbox"/> P52 <input type="checkbox"/> P53 <input type="checkbox"/> P54 <input type="checkbox"/> P55 <input type="checkbox"/> P56 <input type="checkbox"/> P57 <input type="checkbox"/> P58 <input type="checkbox"/> P59 <input type="checkbox"/> P60 <input type="checkbox"/> P61 <input type="checkbox"/> P62 <input type="checkbox"/> P63 <input type="checkbox"/> P64 <input type="checkbox"/> P65 <input type="checkbox"/> P66 <input type="checkbox"/> P67 <input type="checkbox"/> P68 <input type="checkbox"/> P69 <input type="checkbox"/> P70 <input type="checkbox"/> P71 <input type="checkbox"/> P72 <input type="checkbox"/> P73 <input type="checkbox"/> P74 <input type="checkbox"/> P75 <input type="checkbox"/> P76 <input type="checkbox"/> P77 <input type="checkbox"/> P78 <input type="checkbox"/> P79 <input type="checkbox"/> P80 <input type="checkbox"/> P81 <input type="checkbox"/> P82 <input type="checkbox"/> P83 <input type="checkbox"/> P84 <input type="checkbox"/> P85 <input type="checkbox"/> P86 <input type="checkbox"/> P87 <input type="checkbox"/> P88 <input type="checkbox"/> P89 <input type="checkbox"/> P90 <input type="checkbox"/> P91 <input type="checkbox"/> P92 <input type="checkbox"/> P93 <input type="checkbox"/> P94 <input type="checkbox"/> P95 <input type="checkbox"/> P96 <input type="checkbox"/> P97 <input type="checkbox"/> P98 <input type="checkbox"/> P99 <input type="checkbox"/> P100 <input type="checkbox"/>
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Order ID:	Sampling		Matrix	Composite	Grab	Containers	Preservative	Remarks
	Client ID	Laboratory No.						
	MW1		4/24/01	10:40				25359-001
	MW2			11:05			X	002
	MW3			11:27			X	003
	MW4			10:26			X	004

Relinquished by: <b>[Signature]</b>	Received by: <b>[Signature]</b>	Date: <b>4/24/01</b>	Time: <b>13:05</b>
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments

NPDES Detection Limits

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, Tl, Sn, Ti, V, Zn, W: CAM-17  Plating  PPM-13  LUFT-5

May. 2, 2001 4:22PM

No. 0025 P. 10/14

# Entech Analytical Labs, Inc.

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

## STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel



# Entech Analytical Labs, Inc.

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

**Environmental Restoration Services**  
 500 Santa Cruz Avenue  
 Menlo Park, CA 94025  
 Attn: Ben Halsted

Date: 05/02/01  
 Date Received: 4/26/01  
 Project Name: Disilvo  
 Project Number:  
 P.O. Number: Disilvo  
 Sampled By: Client


## Certified Analytical Report

<b>Order ID: 25359</b>		<b>Lab Sample ID: 25359-001</b>				<b>Client Sample ID: MW-1</b>				
<b>Sample Time: 10:40 AM</b>		<b>Sample Date: 4/26/01</b>				<b>Matrix: Liquid</b>				
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	1300	x	2	50	100	µg/L	4/26/01	5/1/01	DW010415	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 78		Control Limits (%) 38 - 133	

<b>Order ID: 25359</b>		<b>Lab Sample ID: 25359-002</b>				<b>Client Sample ID: MW-2</b>				
<b>Sample Time: 11:05 AM</b>		<b>Sample Date: 4/26/01</b>				<b>Matrix: Liquid</b>				
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	57000		50	50	2500	µg/L	4/26/01	5/1/01	DW010415	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 111		Control Limits (%) 38 - 133	

<b>Order ID: 25359</b>		<b>Lab Sample ID: 25359-003</b>				<b>Client Sample ID: MW-3</b>				
<b>Sample Time: 11:27 AM</b>		<b>Sample Date: 4/26/01</b>				<b>Matrix: Liquid</b>				
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	21000		50	50	2500	µg/L	4/26/01	4/30/01	DW010415	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 108		Control Limits (%) 38 - 133	

DF = Dilution Factor      ND = Not Detected      DLR = Detection Limit Reported      PQL = Practical Quantitation Limit  
 Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

  
 Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

# Entech Analytical Labs, Inc.

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

**Environmental Restoration Services**  
 500 Santa Cruz Avenue  
 Menlo Park, CA 94025  
 Attn: Ben Halsted

Date: 05/02/01  
 Date Received: 4/26/01  
 Project Name: Disilvo  
 Project Number:  
 P.O. Number: Disilvo  
 Sampled By: Client

## Certified Analytical Report

<b>Order ID:</b> 25359	<b>Lab Sample ID:</b> 25359-004	<b>Client Sample ID:</b> MW-4								
<b>Sample Time:</b> 10:20 AM	<b>Sample Date:</b> 4/26/01	<b>Matrix:</b> Liquid								
<b>Parameter</b>	<b>Result</b>	<b>Flag</b>	<b>DF</b>	<b>PQL</b>	<b>DLR</b>	<b>Units</b>	<b>Extraction Date</b>	<b>Analysis Date</b>	<b>QC Batch ID</b>	<b>Method</b>
TPH as Diesel	24000		50	50	2500	µg/L	4/26/01	4/30/01	DW010415	EPA 8015 MOD. (Extractable)
					<b>Surrogate</b> o-Terphenyl			<b>Surrogate Recovery</b> 97		<b>Control Limits (%)</b> 38 - 133

DF = Dilution Factor      ND = Not Detected      DLR = Detection Limit Reported      PQL = Practical Quantitation Limit  
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 Michelle L. Anderson, Laboratory Director

*Environmental Analysis Since 1983*

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Environmental Restoration Services  
 500 Santa Cruz Avenue  
 Menlo Park, CA 94025  
 Attn: Ben Halsted

Date: 05/02/01  
 Date Received: 4/26/01  
 Project Name: Disilvo  
 Project Number:  
 P.O. Number: Disilvo  
 Sampled By: Client


## Certified Analytical Report

Order ID: 25359      Lab Sample ID: 25359-001      Client Sample ID: MW-1  
 Sample Time: 10:40 AM      Sample Date: 4/26/01      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	4/30/01	WGC2010427	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Xylenes, Total	ND		1	0.5	0.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Surrogate m,m-Trifluorotoluene							Surrogate Recovery 92		Control Limits (%) 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	4/30/01	WGC2010427	EPA 8015 MOD. (Purgeable)
Surrogate m,m-Trifluorotoluene							Surrogate Recovery 103		Control Limits (%) 65 - 135	

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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 500 Santa Cruz Avenue  
 Menlo Park, CA 94025  
 Attn: Ben Halsted

Date: 05/02/01  
 Date Received: 4/26/01  
 Project Name: Disilvo  
 Project Number:  
 P.O. Number: Disilvo  
 Sampled By: Client

## Certified Analytical Report

Order ID: 25359

Lab Sample ID: 25359-002

Client Sample ID: MW-2

Sample Time: 11:05 AM

Sample Date: 4/26/01

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		5	0.5	2.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Toluene	ND		5	0.5	2.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Ethyl Benzene	ND		5	0.5	2.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Xylenes, Total	ND		5	0.5	2.5	µg/L	N/A	4/30/01	WGC2010427	EPA 8020
Surrogate						Surrogate Recovery		Control Limits (%)		
aaa-Trifluorotoluene						85		65 - 135		

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	2400	x	5	50	250	µg/L	N/A	4/30/01	WGC2010427	EPA 8015 MOD. (Purgeable)
Surrogate						Surrogate Recovery		Control Limits (%)		
aaa-Trifluorotoluene						65		65 - 135		

2400

2

DF - Dilution Factor

ND - Not Detected

DLR - Detection Limit Reported

PQL - Practical Quantitation Limit

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

  
 Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

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

Environmental Restoration Services  
 500 Santa Cruz Avenue  
 Menlo Park, CA 94025  
 Attn: Ben Halsted

Date: 05/02/01  
 Date Received: 4/26/01  
 Project Name: Disilvo  
 Project Number:  
 P.O. Number: Disilvo  
 Sampled By: Client

## Certified Analytical Report

Order ID: 25359      Lab Sample ID: 25359-003      Client Sample ID: MW-3  
 Sample Time: 11:27 AM      Sample Date: 4/26/01      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	5/1/01	WGC2010427	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Xylenes, Total	ND		1	0.5	0.5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Surrogate							Surrogate Recovery		Control Limits (%)	
aaa-Trifluorotoluene							82		65 - 135	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	310	x	1	50	50	µg/L	N/A	5/1/01	WGC2010427	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
aaa-Trifluorotoluene							91		65 - 135	


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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

  
 Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

# Entech Analytical Labs, Inc.

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

**Environmental Restoration Services**  
 500 Santa Cruz Avenue  
 Menlo Park, CA 94025  
 Attn: Ben Halsted

Date: 05/02/01  
 Date Received: 4/26/01  
 Project Name: Disilvo  
 Project Number:  
 P.O. Number: Disilvo  
 Sampled By: Client

## Certified Analytical Report

Order ID: 25359      Lab Sample ID: 25359-004      Client Sample ID: MW-4  
 Sample Time: 10:20 AM      Sample Date: 4/26/01      Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		10	0.5	5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Toluene	ND		10	0.5	5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Ethyl Benzene	ND		10	0.5	5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Xylenes, Total	ND		10	0.5	5	µg/L	N/A	5/1/01	WGC2010427	EPA 8020
Surrogate aaa-Trifluorotoluene						Surrogats Recovery 87			Control Limits (%) 65 - 135	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	2100	x	10	50	500	µg/L	N/A	5/1/01	WGC2010427	EPA 8015 MOD. (Purgeable)
Surrogate aaa-Trifluorotoluene						Surrogats Recovery 94			Control Limits (%) 65 - 135	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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

  
 Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

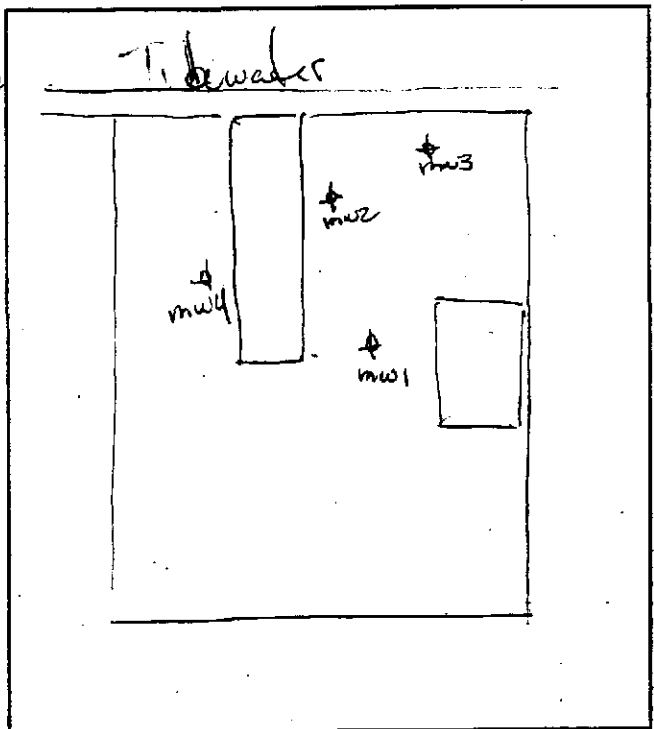
# WELL PURGE LOGS



PIERS Environmental Services, Inc.  
 1330 S. Bascom Avenue, Suite F  
 San Jose, CA 95128  
 (408)559-1248

## WATER-QUALITY SAMPLING INFORMATION

Project Name: D. Salvo Project No.: \_\_\_\_\_  
 Date: 4/26/01 Sample No.: \_\_\_\_\_  
 Samplers Name: P. Prior  
 Sampling Location: 4919 Tidewater Ave Oakland  
 Sampling Method: Disp. Bottle  
 Analyses Requested: TPH, TPH/d BTEX  
 Number and Types of Sample Bottles Used: 2 40ml VOA  
1 1 liter Amber  
 Method of Shipment: One ice



LOCATION MAP

**GROUND WATER**

Well No.: mw1 2-inch casing = 0.16 gal/ft  
 Well Diameter (in.) 2" 4-inch casing = 0.65 gal/ft  
 Depth to Water, Static (ft) 1.14 5-inch casing = 1.02 gal/ft  
 6-inch casing = 1.47 gal/ft  
 Water in Well Box no  
 Well Depth (ft) ± 8'  
 Height of Water Column in Well ± 6.86  
 Water Volume in Well 1.0

TIME	DEPTH TO WATER (feet)	VOLUME WITHDRAWN (gallons)	TEMP (F)	pH (S.U.)	COND (mhos/cm)	OTHER	REMARKS
1030		2	68.1	6.7	2.81		
1040		4	68.3	6.7	2.79		sampled for odor

Suggested Method for Purging Well \_\_\_\_\_





PIERS Environmental Services, Inc.  
 1330 S. Bascom Avenue, Suite F  
 San Jose, CA 95128  
 (408)559-1248

## WATER-QUALITY SAMPLING INFORMATION

Project Name: D. Salvo Project No.: \_\_\_\_\_

Date: 4/26/01 Sample No.: \_\_\_\_\_

Samplers Name: P. Prior

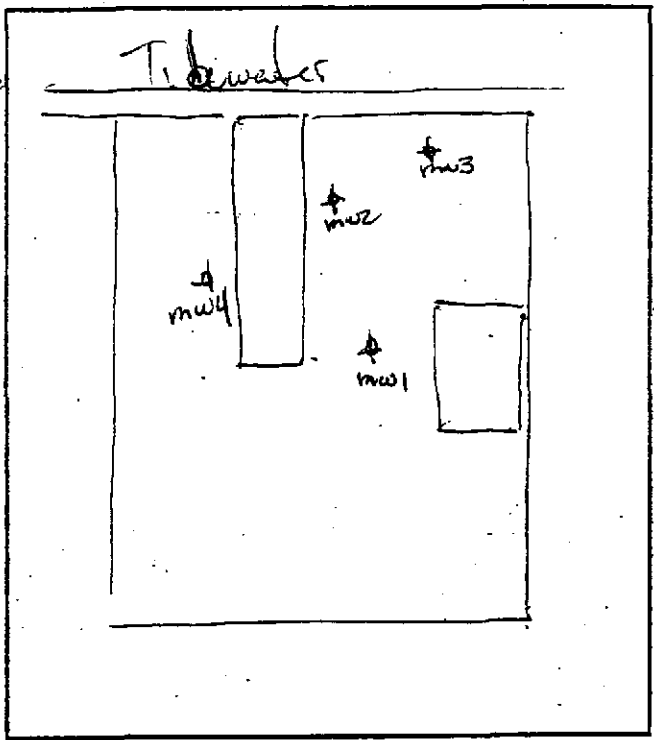
Sampling Location: 4919 Tidewater Ave Oakland

Sampling Method: Disp. Boiler

Analyses Requested: TPH/g TPH/d BTEX

Number and Types of Sample Bottles Used: 2 90ml VOA  
1 1 liter Amber

Method of Shipment: one ice



LOCATION MAP

### GROUND WATER

Well No.: mw2 2-inch casing = 0.16 gal/ft

Well Diameter (in.) 2" 4-inch casing = 0.65 gal/ft

Depth to Water, Static (ft) 1.74 5-inch casing = 1.02 gal/ft

6-inch casing = 1.47 gal/ft

Water in Well Box no

Well Depth (ft) ±8'

Height of Water Column in Well ±6.25

Water Volume in Well ±225 l

TIME	DEPTH TO WATER (feet)	VOLUME WITHDRAWN (gallons)	TEMP (F)	pH (S.U.)	COND (mbos/cm)	OTHER	REMARKS
1149		1.5	67.9	7.14	1.98		
1150		3	68.4	7.19	2.16		
1105		4.5	68.6	7.21	2.19		Sampled/over

Suggested Method for Purging Well \_\_\_\_\_

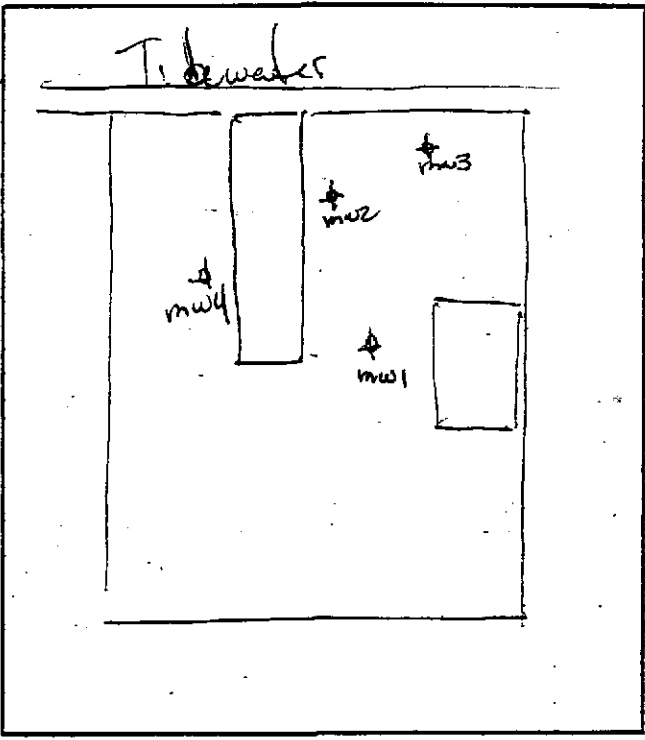


PIERS Environmental Services, Inc.  
 1330 S. Bascom Avenue, Suite F  
 San Jose, CA 95128  
 (408)559-1248

## WATER-QUALITY SAMPLING INFORMATION

Project Name: D. Salvo Project No.: \_\_\_\_\_  
 Date: 4/26/01 Sample No.: \_\_\_\_\_

Samplers Name: P. Prior  
 Sampling Location: 4919 Tidewater Ave Oakland  
 Sampling Method: Disp. Bottle  
 Analyses Requested: TPH/g TPH/d BTEX  
 Number and Types of Sample Bottles Used: 2 90ml VOA  
 Method of Shipment: one ice 1 liter Amber



LOCATION MAP

**GROUND WATER**

Well No.: mw 3 2-inch casing = 0.16 gal/ft  
 Well Diameter (in.) 2" 4-inch casing = 0.65 gal/ft  
 Depth to Water, Static (ft) 1.29 5-inch casing = 1.02 gal/ft  
 Water in Well Box no 6-inch casing = 1.47 gal/ft  
 Well Depth (ft) 10'  
 Height of Water Column in Well 36.7  
 Water Volume in Well 1.0

TIME	DEPTH TO WATER (feet)	VOLUME WITHDRAWN (gallons)	TEMP (F)	pH (S.U.)	COND (mhos/cm)	OTHER	REMARKS
11:25		2	68.1	6.8	2.31		
11:27		4	68.7	6.9	2.29		Sampled odor

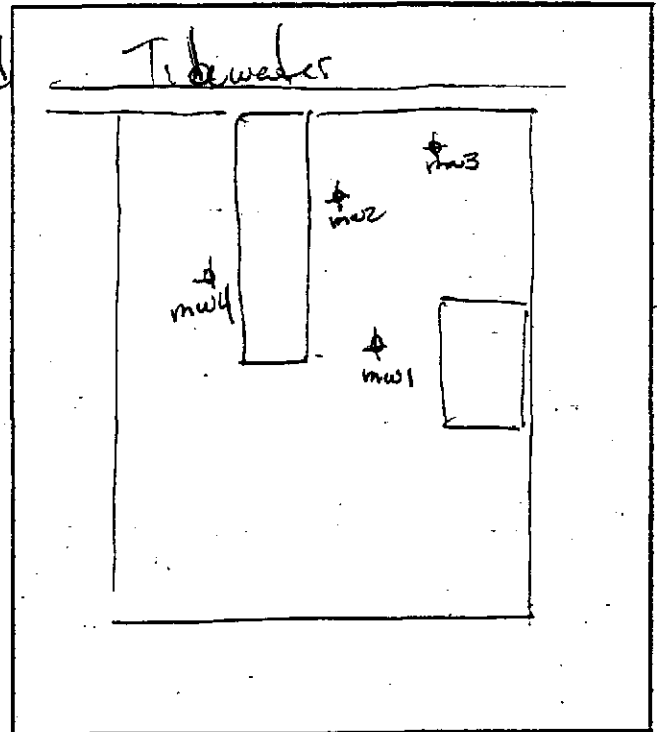
Suggested Method for Purging Well \_\_\_\_\_



PIERS Environmental Services, Inc.  
 1330 S. Bascom Avenue, Suite F  
 San Jose, CA 95128  
 (408)559-1248

## WATER-QUALITY SAMPLING INFORMATION

Project Name: D. Salvo Project No.: \_\_\_\_\_  
 Date: 4/26/01 Sample No.: \_\_\_\_\_  
 Samplers Name: P. Prior  
 Sampling Location: 4919 Tidewater Ave Oakland  
 Sampling Method: Disp. Bailer  
 Analyses Requested: TPH/d TPH/d BTEX  
 Number and Types of Sample Bottles Used: 2 90ml VOA  
1 1 liter Amber  
 Method of Shipment: One ice



LOCATION MAP

### GROUND WATER

Well No.: mw 4 2-inch casing = 0.16 gal/ft  
 Well Diameter (in.) 2" 4-inch casing = 0.65 gal/ft  
 Depth to Water, Static (ft) 1.69 5-inch casing = 1.02 gal/ft  
 6-inch casing = 1.47 gal/ft  
 Water in Well Box no  
 Well Depth (ft) ±10'  
 Height of Water Column in Well ±9.5  
 Water Volume in Well 1.4

TIME	DEPTH TO WATER (feet)	VOLUME WITHDRAWN (gallons)	TEMP (F)	pH (S.U.)	COND (mhos/cm)	OTHER	REMARKS
10 <sup>00</sup>	<u>2</u>	<u>2</u>	<u>67.8</u>	<u>6.35</u>	<u>2.68</u>		
10 <sup>10</sup>	<u>4</u>	<u>4</u>	<u>68.5</u>	<u>6.49</u>	<u>2.41</u>		
10 <sup>20</sup>	<u>6</u>	<u>6</u>	<u>69.1</u>	<u>6.74</u>	<u>2.33</u>		<u>Sample odor</u>

Suggested Method for Purging Well \_\_\_\_\_