

R02584



Alameda County  
FEB 03 2006

Environmental Health

January 27, 2005

RRM Project# IA220

RECEIVED  
FEB 02 2006

ENVIRONMENTAL HEALTH SERVICES

Mr. Jerry Wickham  
Hazardous Materials Specialist  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-5577

**Re: Groundwater Monitoring Results – Fourth Quarter 2005**

649 Pacific Avenue  
Alameda, California

Dear Mr. Wickham:

This report, prepared by RRM, Inc. (RRM) on behalf of Timber Del Properties, LLC, presents the results of the fourth quarter 2005 groundwater monitoring conducted at the referenced site (Figure 1) on December 27, 2005. A discussion of the groundwater monitoring results is presented below, followed by conclusions and recommendations.

**GROUNDWATER MONITORING RESULTS**

Depth-to-groundwater was measured and groundwater samples were collected from on-site monitoring wells MW-1 through MW-5. All groundwater samples were analyzed for the presence of stoddard solvent range total petroleum hydrocarbons (TPHss) by Environmental Protection Agency (EPA) Method 8015M, gasoline range TPH (TPHg), benzene, toluene, ethyl benzene, and xylenes (collectively BTEX), by EPA Method 8260B. Field and analytical procedures are presented as Attachment A.

**Groundwater Elevation, Flow Direction and Gradient**

Groundwater elevations were calculated from depth-to-groundwater data; groundwater elevations ranged from 7.29 feet above mean sea level (msl) in Well MW-1 to 9.44 feet above msl in Well MW-5. The apparent groundwater flow direction ranged southeast to northwest; however the overall flow direction was to the northeast, as in previous monitoring events. The hydraulic gradient was varied, with a maximum value of approximately 0.07 foot per foot. Depth-to-groundwater and elevation data are summarized in Table 1, field data sheets are included in Attachment B, and the groundwater elevation contour prepared for the December 27, 2005 monitoring event is shown on Figure 2.

## Groundwater Analytical Data

The laboratory detected TPHss above the reporting limit only in the groundwater sample collected from well MW-2 at 110 parts per billion (ppb). TPHg was detected in wells MW-1 through MW-3 at concentrations ranging from 320 ppb at well MW-2 to 26 ppb at well MW-1; the laboratory noted the chromatogram pattern for the TPHg result for well MW-2 as atypical. Toluene was detected in all samples at concentrations ranging from 2.5 ppb to 3.4 ppb; however, toluene was also detected in the laboratory method blank at a similar concentration, thus the toluene detections in the well samples are considered laboratory contamination. No other analyzed compounds were detected in any of the groundwater samples. Groundwater analytical data is summarized in Table 1 and shown on Figure 2; certified analytical reports and chain-of-custody documentation are included in Attachment B.

## CONCLUSIONS

Based on the information presented above and previous monitoring activities, RRM concludes the following:

- Groundwater flow at the site is variable, and may be tidally influenced due to the proximity to the San Francisco Bay; however, generally groundwater has flowed toward the northeast.
- Only relatively low levels of TPHss, TPHg, and toluene have been detected in groundwater.
- The dissolved plume appears stable.

## RECOMMENDATIONS

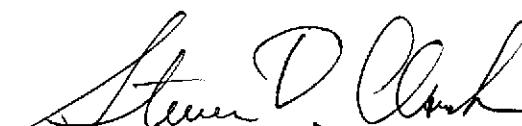
- Evaluate site for low-risk case closure

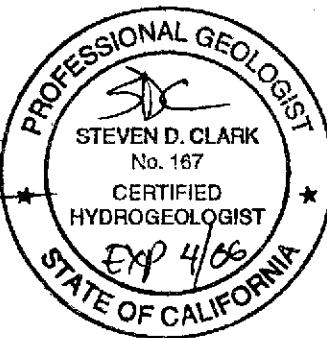
Should you have any questions regarding the contents of this document, please do not hesitate to call RRM at (831) 475-8141.

Sincerely,

RRM, Inc.,

  
For: Julie Avanto  
Project Engineer

  
Steven D. Clark  
Senior Hydrogeologist, CHG 167



Attachments:      Table 1 – Groundwater Elevation and Analytical Data  
                        Figure 1 – Site Location Map  
                        Figure 2 – Groundwater Elevation Contour and Analytical Results Map,  
                        June 30, 2005  
                        Attachment A – Field and Analytical Procedures  
                        Attachment B – Certified Analytical Reports, Chain-of-Custody  
                        Documentation, and Field Data Sheets

cc:    Mr. Don Lindsey  
         Timber Del Properties, LLC  
         2424 Central Avenue  
         Alameda, California 94501

                        Mr. Mark Russel  
                        The Mechanics Bank  
                        343 Sansome Street, Suite 100  
                        San Francisco, California 94101

Mr. Carl Searway  
3032 Dakota Street  
Oakland, California 94602

Table 1  
**Groundwater Elevation and Analytical Data**  
 649 Pacific Avenue  
 Alameda, California

Well Number	Date Sampled	Well Elev (ft, MSL)	Depth to Water (ft)	Groundwater Elev. (ft, MSL)	TPHss EPA 8015 (ppb)	TPHg EPA 8015 (ppb)	Benzene EPA 8020 (ppb)	Toluene EPA 8020 (ppb)	Ethylbenzene EPA 8020 (ppb)	Xylenes EPA 8020 (ppb)
MW-1	03/01/05	15.18	5.64	9.54	550	<50	<0.5	0.73	<0.5	<0.5
	06/30/05		5.77	9.41	210	<50	<0.50	<0.50	<0.50	<0.50
	09/26/05		6.57	8.61	190	560 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
	12/27/05		7.89	7.29	<50	26 <sup>1</sup>	<0.50 <sup>1</sup>	2.5 <sup>2</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
MW-2	03/01/05	15.21	5.60	9.61	<50	<50	<0.5	0.53	<0.5	<0.5
	06/30/05		5.84	9.37	<50	<50	<0.50	<0.50	<0.50	<0.50
	09/26/05		6.63	8.58	<50	<25 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
	12/27/05		6.01	9.20	110	320 <sup>1,3</sup>	<0.50 <sup>1</sup>	2.9 <sup>2</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
MW-3	03/01/05	15.11	5.71	9.40	<50	<50	<0.5	<0.5	<0.5	<0.5
	06/30/05		6.11	9.00	<50	<50	<0.50	<0.50	<0.50	<0.50
	09/26/05		6.93	8.18	<50	<25 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
	12/27/05		6.28	8.83	<50	29 <sup>1</sup>	<0.50 <sup>1</sup>	2.9 <sup>2</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
MW-4	03/01/05	15.02	5.30	9.72	<50	<50	<0.5	<0.5	<0.5	<0.5
	06/30/05		5.56	9.46	<50	<50	<0.50	<0.50	<0.50	<0.50
	09/26/05		6.40	8.62	<50	<25 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
	12/27/05		5.64	9.38	<50	<25 <sup>1</sup>	<0.50 <sup>1</sup>	3.1 <sup>2</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
MW-5	03/01/05	14.79	5.06	9.73	<50	<50	<0.5	<0.5	<0.5	<0.5
	06/30/05		5.24	9.55	<50	<50	<0.50	<0.50	<0.50	<0.50
	09/26/05		6.11	8.68	<50	<25 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>
	12/27/05		5.35	9.44	<50	<25 <sup>1</sup>	<0.50 <sup>1</sup>	3.4 <sup>2</sup>	<0.50 <sup>1</sup>	<0.50 <sup>1</sup>

Notes:

TPHss = total petroleum hydrocarbon total petroleum hydrocarbons as Stoddard solvent

TPHg = total petroleum hydrocarbon total petroleum hydrocarbons as gasoline

ppb = parts per billion

EPA 8015 = analysis performed according to EPA Method 8015 modified, unless otherwise noted

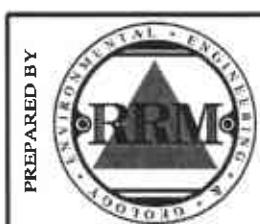
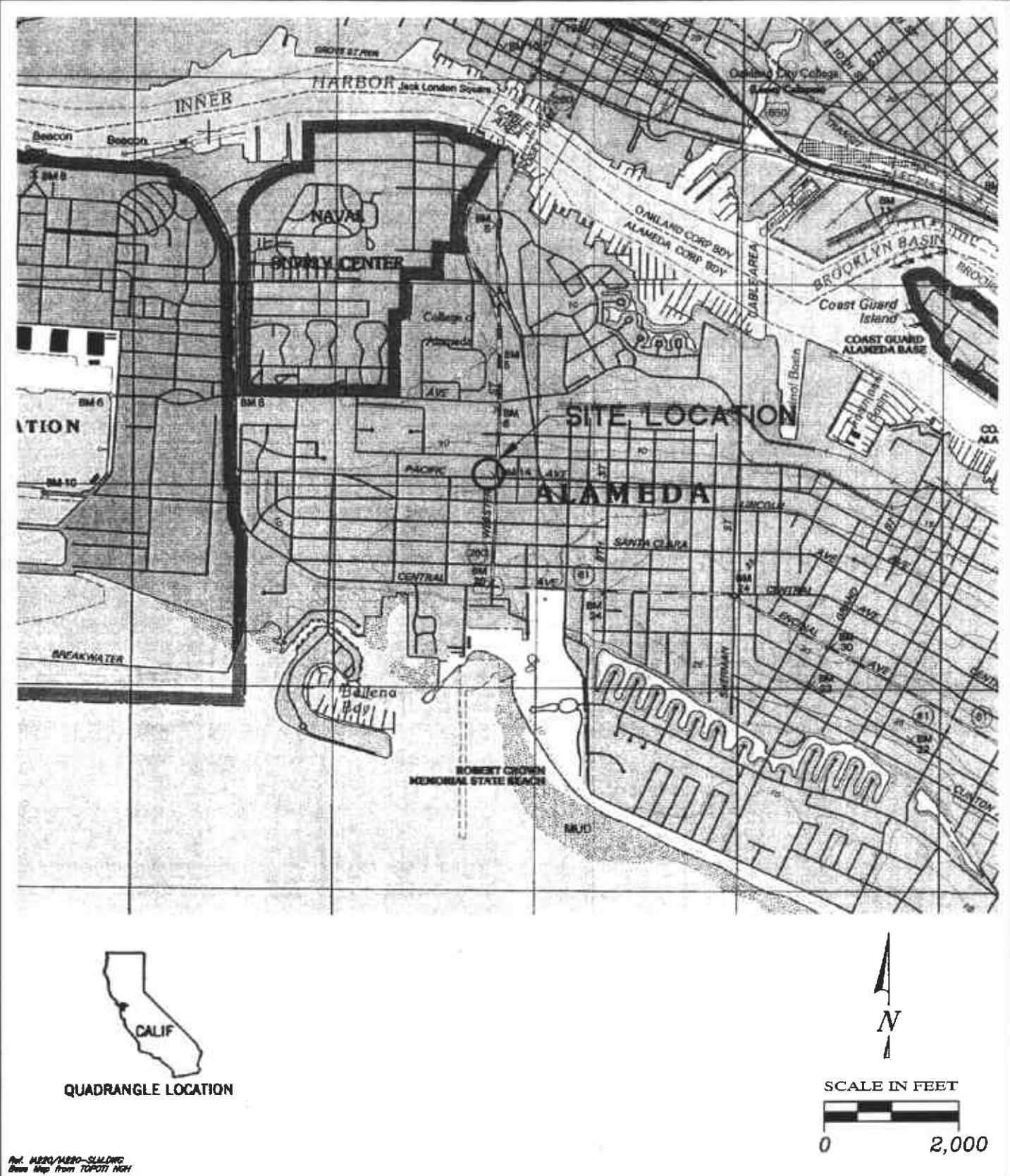
EPA 8020 = analyses performed according to EPA Method 8020, unless otherwise noted

< = not detected at or above specified detection limit shown

1 = analyzed according to EPA Method 8260B

2 = compound detected in laboratory method blank; considered laboratory contamination

3 = laboratory noted atypical chromatographic pattern



### SITE LOCATION MAP

649 Pacific Avenue  
Alameda, California

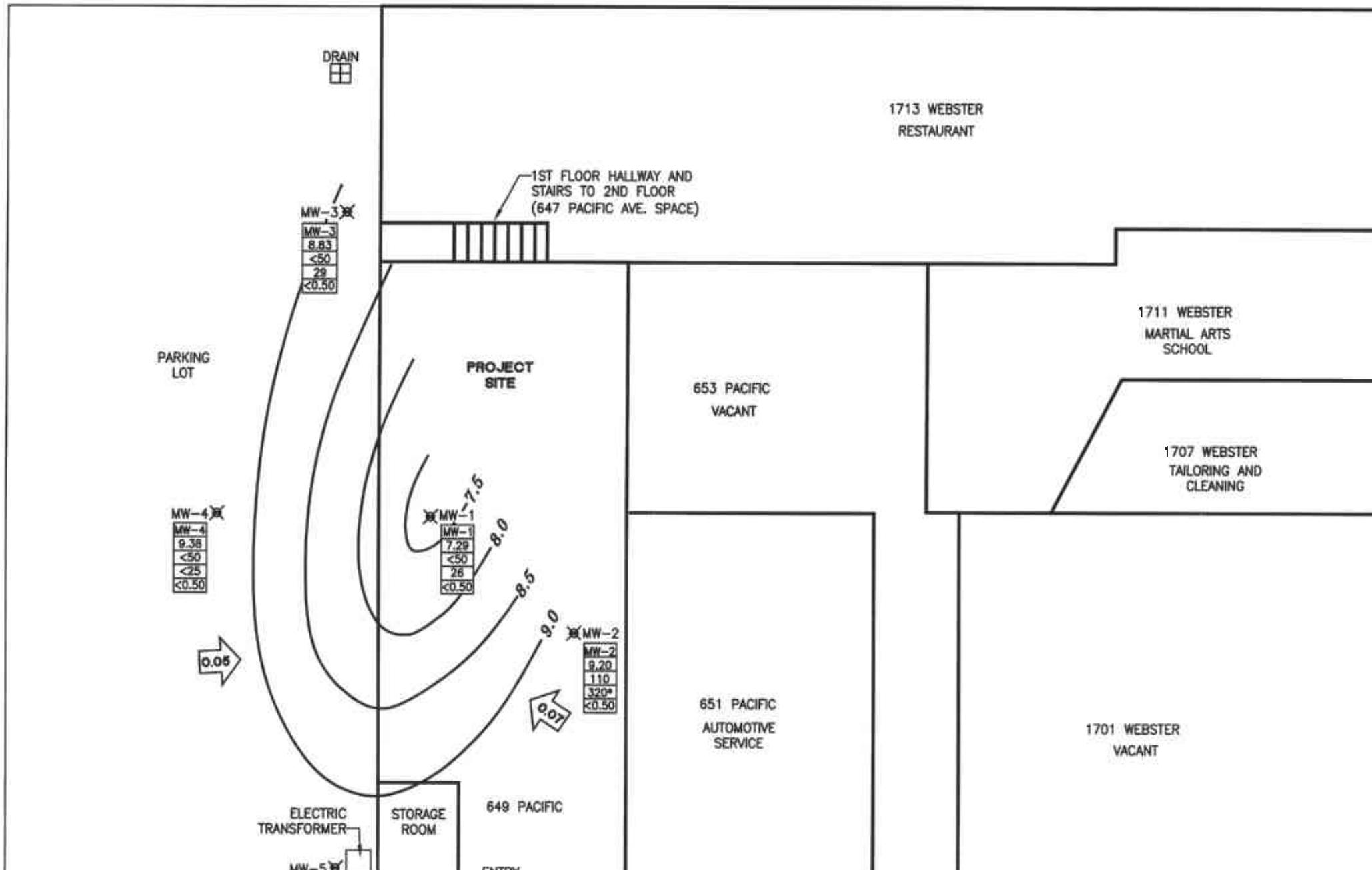
FIGURE:  
**1**  
PROJECT:  
IA220

N

SCALE IN FEET



CITY OF ALAMEDA FIRE STATION



GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL RESULTS MAP  
DECEMBER 27, 2005

649 Pacific Avenue  
Alameda, California

FIGURE:  
2  
PROJECT:  
IA220

**ATTACHMENT A**

**FIELD AND ANALYTICAL PROCEDURES**

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**ATTACHMENT A**  
**FIELD AND ANALYTICAL PROCEDURES**

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**Field Procedures**

Groundwater sampling procedures consisted of initially measuring and documenting the water level in each well and checking each well for the presence of separate-phase hydrocarbon (SPH) using a oil/water interface probe or a clear Teflon bailer. The wells that did not contain SPH were then purged a minimum of three casing volumes or until dry. During purging, well stabilization parameters (temperature, pH, and electrical conductivity) were monitored. After purging and prior to sampling, groundwater in the wells was allowed to recharge to within 80% of the original groundwater level. Groundwater samples were then collected using clean Teflon bailers or disposable bailers and appropriate EPA-approved containers. The samples were then labeled, and transported on ice to the laboratory using appropriate chain-of-custody documentation. Sampling equipment was cleaned with an Alconox soap solution between uses. Purge water generated during groundwater sampling was temporarily stored on site in 55-gallon drums pending disposal. The drums were labeled and profiled prior to disposal.

**Laboratory Analytical Procedures**

Groundwater samples were analyzed for TPHss by EPA Method 8015 (Modified), and TPHg and BTEX compounds by EPA Method 8260B. Entech Analytical Labs Inc. of Santa Clara, California, a California State-certified laboratory, performed all analyses.

**ATTACHMENT B**

**CERTIFIED ANALYTICAL REPORTS, CHAIN-OF-CUSTODY  
DOCUMENTATION, AND FIELD DATA SHEETS**

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# **Entech Analytical Labs, Inc.**

**3334 Victor Court , Santa Clara, CA 95054**

**Phone: (408) 588-0200**

**Fax: (408) 588-0201**

**Matt Paulus  
Remediation Risk Management-SC  
2560 Soquel Ave., Suite 202  
Santa Cruz, CA 95062**

**Lab Certificate Number: 47155  
Issued: 01/26/2006**

**Project Number: IA220  
Project Name: Don Lindsay  
Project Location: 649 Pacific Ave./Alameda**

**Global ID: SL0600150413**

## **Certificate of Analysis - Revision**

Note: This is a revision of the original 1/12/2006 issue to include the TPH as Gasoline values.

On December 28, 2005, samples were received under chain of custody for analysis.  
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Comments</u>
Liquid	Electronic Deliverables EPA 8260B - GC/MS TPH as Gasoline by GC/MS TPH-Extractable	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).  
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC  
2560 Soquel Ave., Suite 202  
Santa Cruz, CA 95062  
Attn: Matt Paulus

Samples Received: 12/28/2005

Project Number: IA220  
Project Name: Don Lindsay  
Project Location: 649 Pacific Ave./Alameda  
GlobalID: SL0600150413

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 47155-001    Sample ID: MW-1

Matrix: Liquid    Sample Date: 12/27/2005 1:55 PM

EPA 8015 MOD. (Extractable)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH-Extractable QC Batch
TPH as Mineral Spirits (Stoddard)	ND		1.0	50	µg/L	1/3/2006	WD060103	1/6/2006	WD060103

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: EricKum
o-Terphenyl	93.3	22 - 133	Reviewed by: ECunniffe

EPA 8260B for Groundwater and Water EPA 624 for Wastewater									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	8260Petroleum QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Toluene	2.5	B L	1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: TFulton						
4-Bromofluorobenzene	111		60 - 130						Reviewed by: MaiChiTu
Dibromofluoromethane	104		60 - 130						
Toluene-d8	110		60 - 130						

L = Laboratory contamination.

B = This analyte was found in the associated Method Blank.

GC-MS									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH as Gasoline - GC-MS QC Batch
TPH as Gasoline	26		1.0	25	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: TAF						
4-Bromofluorobenzene	102		60 - 130						Reviewed by: xbian
Dibromofluoromethane	106		60 - 130						
Toluene-d8	103		60 - 130						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

1/26/2006 1:15:14 PM - dba

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC  
2560 Soquel Ave., Suite 202  
Santa Cruz, CA 95062  
Attn: Matt Paulus

Samples Received: 12/28/2005

Project Number: IA220  
Project Name: Don Lindsay  
Project Location: 649 Pacific Ave./Alameda  
GlobalID: SL0600150413

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 47155-002    Sample ID: MW-2

Matrix: Liquid    Sample Date: 12/27/2005 1:10 PM

EPA 8015 MOD. (Extractable)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH-Extractable QC Batch
TPH as Mineral Spirits (Stoddard)	110		1.0	50	µg/L	1/3/2006	WD060103	1/6/2006	WD060103
Aged/weathered Stoddard pattern (C10-C14).									
<b>Surrogate              Surrogate Recovery              Control Limits (%)</b>									
o-Terphenyl	87.4			22 - 133				Analyzed by: EricKum	
								Reviewed by: dba	

### EPA 8260B for Groundwater and Water    EPA 624 for Wastewater

### 8260Petroleum

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Toluene	2.9	B L	1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
<b>Surrogate              Surrogate Recovery              Control Limits (%)</b>									
4-Bromofluorobenzene	110			60 - 130				Analyzed by: TFulton	
Dibromofluoromethane	104			60 - 130				Reviewed by: MaiChiTu	
Toluene-d8	111			60 - 130					

L = Laboratory contamination.

B = This analyte was found in the associated Method Blank.

### GC-MS

### TPH as Gasoline - GC-MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	320		1.0	25	µg/L	N/A	N/A	1/9/2006	WM2060109
Atypical pattern.									
<b>Surrogate              Surrogate Recovery              Control Limits (%)</b>									
4-Bromofluorobenzene	101			60 - 130				Analyzed by: TAF	
Dibromofluoromethane	106			60 - 130				Reviewed by: xbian	
Toluene-d8	104			60 - 130					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

1/26/2006 1:15:25 PM - dba

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC  
2560 Soquel Ave., Suite 202  
Santa Cruz, CA 95062  
Attn: Matt Paulus

Samples Received: 12/28/2005

Project Number: IA220  
Project Name: Don Lindsay  
Project Location: 649 Pacific Ave./Alameda  
GlobalID: SL0600150413

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab #: 47155-003    Sample ID: MW-3

Matrix: Liquid    Sample Date: 12/27/2005 10:20 AM

EPA 8015 MOD. (Extractable)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH-Extractable QC Batch
TPH as Mineral Spirits (Stoddard)	ND		1.0	50	µg/L	1/3/2006	WD060103	1/6/2006	WD060103
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: EricKum
o-Terphenyl	87.8		22	- 133					Reviewed by: ECunniffe

### EPA 8260B for Groundwater and Water    EPA 624 for Wastewater

### 8260Petroleum

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Toluene	2.9	B L	1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: TFulton
4-Bromofluorobenzene	109		60	- 130					Reviewed by: MaiChiTu
Dibromofluoromethane	105		60	- 130					
Toluene-d8	109		60	- 130					

L = Laboratory contamination.

B = This analyte was found in the associated Method Blank.

### GC-MS

### TPH as Gasoline - GC-MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	29		1.0	25	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: TAF
4-Bromofluorobenzene	100		60	- 130					Reviewed by: xbian
Dibromofluoromethane	108		60	- 130					
Toluene-d8	102		60	- 130					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

1/26/2006 1:15:25 PM - dba

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC  
2560 Soquel Ave., Suite 202  
Santa Cruz, CA 95062  
Attn: Matt Paulus

Samples Received: 12/28/2005

Project Number: 1A220  
Project Name: Don Lindsay  
Project Location: 649 Pacific Ave./Alameda  
GlobalID: SL0600150413

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab # : 47155-004    Sample ID: MW-4

Matrix: Liquid    Sample Date: 12/27/2005 10:55 AM

EPA 8015 MOD. (Extractable)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH-Extractable QC Batch
TPH as Mineral Spirits (Stoddard)	ND		1.0	50	µg/L	1/3/2006	WD060103	1/6/2006	WD060103
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: EricKum
o-Terphenyl	89.5			22 - 133					Reviewed by: dba

### EPA 8260B for Groundwater and Water    EPA 624 for Wastewater

8260 Petroleum									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Toluene	3.1	B L	1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: TFulton
4-Bromofluorobenzene	110			60 - 130					Reviewed by: MaiChiTu
Dibromofluoromethane	103			60 - 130					
Toluene-d8	112			60 - 130					

L = Laboratory contamination.

B = This analyte was found in the associated Method Blank.

GC-MS TPH as Gasoline - GC-MS									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: TAF
4-Bromofluorobenzene	101			60 - 130					Reviewed by: xbian
Dibromofluoromethane	105			60 - 130					
Toluene-d8	105			60 - 130					

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

1/26/2006 1:15:26 PM - dba

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Remediation Risk Management-SC  
2560 Soquel Ave., Suite 202  
Santa Cruz, CA 95062  
Attn: Matt Paulus

Samples Received: 12/28/2005

Project Number: IA220  
Project Name: Don Lindsay  
Project Location: 649 Pacific Ave./Alameda  
GlobalID: SL0600150413

## Certificate of Analysis - Data Report

Sample Collected by: Client

Lab # : 47155-005    Sample ID: MW-5

Matrix: Liquid    Sample Date: 12/27/2005 11:30 AM

EPA 8015 MOD. (Extractable)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH-Extractable QC Batch
TPH as Mineral Spirits (Stoddard)	ND		1.0	50	µg/L	1/3/2006	WD060103	1/6/2006	WD060103
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: EricKum
o-Terphenyl	68.8			22 - 133					Reviewed by: ECunniffe

### EPA 8260B for Groundwater and Water    EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	8260Petroleum QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Toluene	3.4	B L	1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: TFulton
4-Bromofluorobenzene	108			60 - 130					Reviewed by: MaiChiTu
Dibromofluoromethane	105			60 - 130					
Toluene-d8	112			60 - 130					

L = Laboratory contamination.

B = This analyte was found in the associated Method Blank.

### GC-MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	TPH as Gasoline - GC-MS QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	1/9/2006	WM2060109
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: TAF
4-Bromofluorobenzene	98.7			60 - 130					Reviewed by: xbian
Dibromofluoromethane	108			60 - 130					
Toluene-d8	104			60 - 130					

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

1/26/2006 1:15:26 PM - dba

# Entech Analytical Labs, Inc.

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

Method Blank - Liquid - EPA 8015 MOD. (Extractable) - TPH-Extractable

QC/Prep Batch ID: WD060103

Validated by: ECunniffe - 01/05/06

QC/Prep Date: 1/3/2006

Parameter	Result	DF	PQLR	Units
TPH as Mineral Spirits (Stoddard)	ND	1	50	µg/L

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	82.0	22 - 133

Laboratory Control Sample / Duplicate - Liquid - EPA 8015 MOD. (Extractable) - TPH-Extractable

QC/Prep Batch ID: WD060103

Reviewed by: Ecunniffe - 01/05/06

QC/Prep Date: 1/3/2006

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	649	µg/L	64.9	40 - 138
TPH as Motor Oil	<200	1000	692	µg/L	69.2	40 - 138

Surrogate	% Recovery	Control Limits
o-Terphenyl	77.9	22 - 133

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	581	µg/L	58.1	11	25.0	40 - 138
TPH as Motor Oil	<200	1000	735	µg/L	73.5	6.1	25.0	40 - 138

Surrogate	% Recovery	Control Limits
o-Terphenyl	78.0	22 - 133

# **Entech Analytical Labs, Inc.**

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

**Method Blank - Liquid - EPA 8260B - 8260Petroleum**

**QC Batch ID: WM2060109**

Validated by: xbian - 01/09/06

**QC Batch Analysis Date: 1/9/2006**

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Toluene	2.0	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

**Surrogate for Blank    % Recovery    Control Limits**

4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	96.6	60 - 130
Toluene-d8	110	60 - 130

**Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS**

**QC Batch ID: WM2060109**

Validated by: xbian - 01/09/06

**QC Batch Analysis Date: 1/9/2006**

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

**Surrogate for Blank    % Recovery    Control Limits**

4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	98.6	60 - 130
Toluene-d8	103	60 - 130

# Entech Analytical Labs, Inc.

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

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2060109

Reviewed by: xbian - 01/09/06

QC Batch ID Analysis Date: 1/9/2006

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.3	µg/L	101	70 - 130
Benzene	<0.50	20	21.5	µg/L	107	70 - 130
Chlorobenzene	<0.50	20	22.5	µg/L	112	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	70 - 130
Toluene	2.0	20	21.0	µg/L	105	70 - 130
Trichloroethene	<0.50	20	23.1	µg/L	115	70 - 130
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	112.0	60	-	130		
Dibromofluoromethane	95.6	60	-	130		
Toluene-d8	108.0	60	-	130		

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.1	µg/L	100	1.0	25.0	70 - 130
Benzene	<0.50	20	21.0	µg/L	105	2.4	25.0	70 - 130
Chlorobenzene	<0.50	20	21.7	µg/L	108	3.5	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.7	µg/L	104	2.5	25.0	70 - 130
Toluene	2.0	20	20.3	µg/L	102	2.9	25.0	70 - 130
Trichloroethene	<0.50	20	23.0	µg/L	115	0.38	25.0	70 - 130
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	111.0	60	-	130				
Dibromofluoromethane	96.4	60	-	130				
Toluene-d8	107.0	60	-	130				

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WM2060109

Reviewed by: xbian - 01/09/06

QC Batch ID Analysis Date: 1/9/2006

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	281	µg/L	113	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	103.0	60	-	130		
Dibromofluoromethane	96.7	60	-	130		
Toluene-d8	103.0	60	-	130		

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	291	µg/L	117	3.5	25.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	102.0	60	-	130				
Dibromofluoromethane	97.2	60	-	130				
Toluene-d8	102.0	60	-	130				

# Entech Analytical Labs, Inc.

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

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2060109

QC Batch ID Analysis Date: 1/9/2006

MS Sample Spiked: 47155-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	22.5	µg/L	1/9/2006	112	70 - 130
Toluene	3.40	20	24.8	µg/L	1/9/2006	107	70 - 130

Surrogate % Recovery Control Limits

4-Bromofluorobenzene	115.0	60 - 130
Dibromofluoromethane	106.0	60 - 130
Toluene-d8	110.0	60 - 130

MSD Sample Spiked: 47155-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	22.1	µg/L	1/9/2006	110	1.8	25.0	70 - 130
Toluene	3.40	20	24.0	µg/L	1/9/2006	103	3.8	25.0	70 - 130

Surrogate % Recovery Control Limits

4-Bromofluorobenzene	113.0	60 - 130
Dibromofluoromethane	109.0	60 - 130
Toluene-d8	109.0	60 - 130

# **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:	Matt Paulius	Phone No.:	831-475-8141	Purchase Order No.:		Invoice to: (If Different)	Phone:										
Company Name:	RRM, Inc.	Fax No.:	831-475-8249	Project No.:	1A220	Company:	Quote No.:										
Mailing Address:	2560 Soquel Ave Ste 202	Email Address:		Project Name:	Don Lindsey	Billing Address: (If Different)											
City:	Santa Cruz	State:	CA	Zip Code:	95060	Project Location:	649 Pacific Ave. Alameda										
Sampler:	NC	Field Org. Code:		City:		State:	CA	Zip:									
		Turn Around Time															
		<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 type="checkbox"/> 5 Day														
		<input checked="" type="checkbox"/> 10 Day															
Global ID:			Sample		Matrix	GC/MS Methods						GC Methods		General Chemistry			
Order ID:	47155					EPA 8260B	BTX	MTBE	TPH Gas	TPH Oil	TAME	EDTA	PAH	PCBs	PCBs	TCPP	
Client ID / Field Point	Lab. No.	Date	Time	No. of Containers	5 Organics	Lead Scavengers	Base/Neutral/	1,2-DCA & EDB	1,2-DCA & EDB	1,2-DCA & EDB	1,2-DCA & EDB	PCP	PCP	PCP	PCP		
MW-1	-001	122705	1355	L	6	X	X	X	X	X	X	X	X	X	X		
MW-2	-002		1310														
MW-3	-003		1020														
MW-4	-004		1055														
MW-5	-005		1130														
Relinquished by:	Received by:	Date:	Time:	Special Instructions or Comments						<input type="checkbox"/> EDD Report		<input checked="" type="checkbox"/> EDF Report		<input type="checkbox"/> Plating			
		12/28/05	1315	2 liter amber 4 vials each						<input type="checkbox"/> LUFT-5		<input type="checkbox"/> RCRA-8		<input type="checkbox"/> PPM-13			
Relinquished by:	Received by:	Date:	Time:							<input checked="" type="checkbox"/> Temp 7.8		<input type="checkbox"/> CAM-17		<input type="checkbox"/> Dissolved		<input type="checkbox"/> STIC	
Relinquished by:	Received by:	Date:	Time:	Metals:						Cation Sulfate Chloride Total Metals Dissolved Organic PCP							

June 2004

**Field Data Sheet**  
**Depth to Water Data Form**

**Field Data Sheet**  
**Groundwater Sampling Form**

**Site Information**

648 Pacific Av.  
Project Address

MW-1  
Well/Sample Point ID

IA220  
Project Number

Alameda  
City

Alameda  
County

California  
State

**Purge Information**

**Water Level Equipment**

- Electronic Indicator
- Oil Water Interface Probe
- Other (specify) \_\_\_\_\_

**Purge Equipment**

- Baller
- Disposable
- Submersible Pump; type: \_\_\_\_\_
- Other (specify) \_\_\_\_\_

Purge Calculation	
total depth	2.0
depth to water	1.89
linear feet of water	12.11
gallons per linear foot x	0.17
gallons per casing	2.06
number of casings x	3
calculated purge =	6.18

casing diameter	gallons per linear foot
0.75 in.	0.023
1 in.	0.04
2 in.	0.17
4 in.	0.67
6 in.	1.5
other	calculate

1 cubic foot = 7.48 gallons

Purged By:

(NC)

name

Purge Notes:

Purged Dry?: N circle Y

Sampling Delay?: N circle Y

	time (24:00)	gallons (purged)	pH (units)	EC (µs @ 25° C)	temp (°F circle °C)	color (see below)	turbidity (NTU or see below)	odor (see below)
start	1321	0						
volume 1	1332	2.25	7.48	413	19.9	brown	heavy	slight
volume 2	1337	4.50	7.43	380	20.2	"	"	"
volume 3	1341	6.75	7.40	378	20.2	"	"	"
volume 4								
complete								

brown, yellow  
cloudy, clear

heavy, moderate  
light, trace

strong, moderate  
slight, none

**Groundwater Sampling Information**

**Sample Type**

- Monitoring Well
- Extraction Well
- Domestic Well
- Other (specify) \_\_\_\_\_

**Sampling Equipment**

- Baller
- Disposable
- Teflon # \_\_\_\_\_
- Submersible Pump; type: \_\_\_\_\_
- Sampling Port
- Other (specify) \_\_\_\_\_

Sample ID	Date	Time (24:00)
MW-1	j22705	1355
Dupe #		12:00

Sampled By:

(NC)

name

Sampling Notes:

# of Cont.	Analyses (check and circle)	Container/Size	Preservative
4	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MtBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	40 ml VOA	HCl
2	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input checked="" type="checkbox"/> TPH as Stoddard Solvent (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA 1 liter amber 500 ml plastic	HCl none HNO <sub>3</sub>

Signature:

(Signature)

**Field Data Sheet**  
**Groundwater Sampling Form**

**Site Information**

649 Pacific Av.  
 Project Address \_\_\_\_\_

MW-2  
 Well/Sample Point ID  
 IA220  
 Project Number

Alameda  
 City \_\_\_\_\_  
 Alameda  
 County \_\_\_\_\_

California  
 State \_\_\_\_\_

**Purge Information**

**Water Level Equipment**

- Electronic Indicator  
 Oil Water Interface Probe  
 Other (specify) \_\_\_\_\_

**Purge Equipment**

- Bailer       Disposable  
 Submersible Pump; type: \_\_\_\_\_  
 Other (specify) \_\_\_\_\_

Purge Calculation	
total depth	20
depth to water	6.01
linear feet of water	13.99
gallons per linear foot x	0.17
gallons per casing	2.38
number of casings x	3
calculated purge =	7.13

casing diameter	gallons per linear foot
0.75 in.	0.023
1 in.	0.04
2 in.	X 0.17
4 in.	0.67
6 in.	1.5
other	calculate

1 cubic foot = 7.48 gallons

Purged By: *NC*

name \_\_\_\_\_

Purge Notes:

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Purged Dry?: N circle Y

Sampling Delay?: N circle Y

	time (24:00)	gallons (purged)	pH (units)	EC (µs @ 25°C)	temp (°F circle C)	color (see below)	turbity (NTU or see below)	odor (see below)
start	1232	0						
volume 1	1249	2.50	7.75	340	19.0	cloudy	mod.	none
volume 2	1254	5.00	7.73	358	19.8	"	heavy	"
volume 3	1258	7.50	7.64	332	19.9	"	"	"
volume 4								
complete								

brown, yellow  
 cloudy, clear      heavy, moderate  
 light, trace      strong, moderate  
 slight, none

**Groundwater Sampling Information**

**Sample Type**

- Monitoring Well  
 Extraction Well  
 Domestic Well  
 Other (specify) \_\_\_\_\_

**Sampling Equipment**

- Bailer       Disposable  
 Submersible Pump; type: \_\_\_\_\_  
 Sampling Port  
 Other (specify) \_\_\_\_\_

Sample ID	Date	Time (24:00)
MW-2	122705	1310
Dupe #		12:00

Sampled By: *NC*

name \_\_\_\_\_

# of Cont.	Analyses (check and circle)	Container/Size	Preservative
4	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MIBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	40 ml VOA	HCl
2	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input checked="" type="checkbox"/> TPH as Stoddard Solvent (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA 1 liter amber 500 ml plastic	HCl none HNO <sub>3</sub>

Sampling Notes:

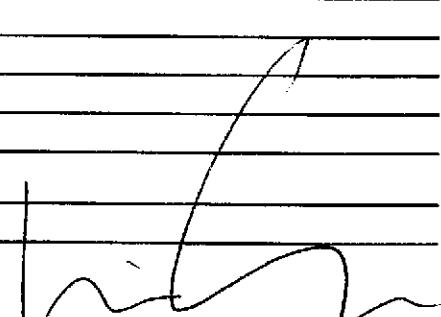
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Signature: 

## Field Data Sheet

### Groundwater Sampling Form

#### Site Information

649 Pacific Av.

Project Address

MW-3

Well/Sample Point ID

JA220

Project Number

Alameda

Alameda

City

County

California

State

#### Purge Information

##### Water Level Equipment

- Electronic Indicator
- Oil Water Interface Probe
- Other (specify) \_\_\_\_\_

##### Purge Equipment

- Bailer
- Disposable
- Submersible Pump; type: \_\_\_\_\_
- Other (specify) \_\_\_\_\_

Purge Calculation	
total depth	20
depth to water	6.28
linear feet of water	13.72
gallons per linear foot X	0.17
gallons per casing	2.33
number of casings X	3
calculated purge =	6.99

casing diameter	gallons per linear foot
0.75 in.	0.023
1 in.	0.04
2 in.	0.17
4 in.	0.67
6 in.	1.5
other	calculate
1 cubic foot = 7.48 gallons	

Purged By: NC

name

Purge Notes:

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Purged Dry?: N circle Y

Sampling Delay?: N circle Y

	time (24:00)	gallons (purged)	pH (units)	EC ( $\mu$ s @ 25°C)	temp (°F circle °C)	color (see below)	turbidity (NTU or see below)	odor (see below)
start	949	0						
volume 1	1003	2.50	8.72	657	18.3	cloudy/brown	heavy	slight
volume 2	1008	5.00	8.39	642	19.2	"	"	"
volume 3	1012	7.50	8.21	636	19.2	"	"	"
volume 4								
complete						brown, yellow cloudy, clear	heavy, moderate light, trace	strong, moderate slight, none

#### Groundwater Sampling Information

##### Sample Type

- Monitoring Well
- Extraction Well
- Domestic Well
- Other (specify) \_\_\_\_\_

##### Sampling Equipment

- Bailer
- Disposable
- Submersible Pump; type: \_\_\_\_\_
- Sampling Port
- Other (specify) \_\_\_\_\_

Sample ID	Date	Time (24:00)
MW-3	122705	1020
Dupe #		12:00

Sampled By: NC

name

Sampling Notes:

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# of Cont.	Analyses (check and circle)	Container/Size	Preservative
H	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MTBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	40 ml VOA	HCl
Z	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input checked="" type="checkbox"/> TPH as Stoddard Solvent (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA 1 liter amber 500 ml plastic	HCl none HNO <sub>3</sub>

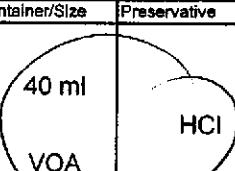
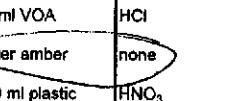
Signature: W.G.

**Field Data Sheet**  
**Groundwater Sampling Form**

<b>Site Information</b>		
<u>649 Pacific Av.</u> Project Address		<u>MW-4</u> Well/Sample Point ID
<u>Alameda</u> City	<u>Alameda</u> County	<u>IA220</u> Project Number
		<u>California</u> State

### Purge Information

### **Groundwater Sampling Information**

Sample Type		Sampling Equipment	
<input checked="" type="checkbox"/> Monitoring Well	<input checked="" type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Disposable	<input type="checkbox"/> Teflon #: _____
<input type="checkbox"/> Extraction Well	<input type="checkbox"/> Submersible Pump; type: _____		
<input type="checkbox"/> Domestic Well	<input type="checkbox"/> Sampling Port		
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Other (specify) _____		
Sample ID Date Time (24:00)		Sampled By: <u>N.C.</u>	
MW-4	122705	1055	name _____
Dupe # _____	12:00	Sampling Notes:	
# of Cont.	Analyses (check and circle)	Container/Size	Preservative
1	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MIBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	 40 ml VOA	
2	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input checked="" type="checkbox"/> TPH as Stoddard Solvent (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA  1 liter amber 500 ml plastic	HCl none HNO <sub>3</sub>
Signature: <u>Eric</u>			

# Field Data Sheet

## Groundwater Sampling Form

### Site Information

649 Pacific Av.  
Project Address

MW-5  
Well/Sample Point ID  
IA220  
Project Number

Alameda  
City

Alameda  
County

California  
State

### Purge Information

#### Water Level Equipment

- Electronic Indicator
- Oil Water Interface Probe
- Other (specify) \_\_\_\_\_

#### Purge Equipment

- Bailer
- Disposable
- Teflon #: \_\_\_\_\_
- Submersible Pump; type: \_\_\_\_\_
- Other (specify) \_\_\_\_\_

Purge Calculation	
total depth	20
depth to water	5.35
linear feet of water	14.65
gallons per linear foot X	0.17
gallons per casing =	2.49
number of casings X	3
calculated purge =	7.47

casing diameter	gallons per linear foot
0.75 in.	0.023
1 in.	0.04
2 in.	0.17
4 in.	0.67
6 in.	1.5
other	calculate

1 cubic foot = 7.48 gallons

Purged By: *(Signature)*

name

Purge Notes:

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	time (24:00)	gallons (purged)	pH (units)	EC (µs @ 25°C)	temp (°F circle C)	color (see below)	turbity (NTU or see below)	odor (see below)
start	1106	0						
volume 1	1113	2.50	7.62	379	18.4	brown	heavy	slight
volume 2	1117	5.00	7.68	346	19.1	"	"	"
volume 3	1121	7.50	7.70	320	19.7	"	"	"
volume 4								
complete								

brown, yellow  
cloudy, clear      heavy, moderate  
light, trace      strong, moderate  
slight, none

### Groundwater Sampling Information

#### Sample Type

- Monitoring Well
- Extraction Well
- Domestic Well
- Other (specify) \_\_\_\_\_

#### Sampling Equipment

- Bailer
- Disposable
- Teflon #: \_\_\_\_\_
- Submersible Pump; type: \_\_\_\_\_
- Sampling Port
- Other (specify) \_\_\_\_\_

Sample ID	Date	Time (24:00)
MW-5	122705	1130
Dupe #		12:00

Sampled By: *(Signature)*

name

# of Cont.	Analyses (check and circle)	Container/Size	Preservative
4	<input type="checkbox"/> TPH gas (8015M) <input type="checkbox"/> BTEX (8020 or 8260B) <input type="checkbox"/> MtBE (8020 or 8260B) <input type="checkbox"/> Fuel Oxy (8260B) <input type="checkbox"/> Other (specify) _____	40 ml VOA	HCl
2	<input type="checkbox"/> VOCs (8010 or 8240 or 8260B) <input checked="" type="checkbox"/> TPH as Stoddard Solvent (8015M) <input type="checkbox"/> Metals (8010) <input type="checkbox"/> Other (specify) _____	40 ml VOA 1 liter amber 500 ml plastic	HCl none HNO <sub>3</sub>

Sampling Notes:

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Signature: *(Signature)*



2560 SOQUEL AVENUE, SUITE E  
SANTA CRUZ, CALIFORNIA 95062  
TEL: 831.475.8141  
FAX: 831.475.8249

FIELD  
DATA SHEET

Client: Don Lindsey

Project #: 1A220

Job Address: 647 Pacific Ave., Alameda

Date: 12/10/05

Weather Conditions: cloudy, scattered rain

Personnel: NC

Equipment on site:

Arrival Time: 858

Departure Time: 1415

FIELD NOTES:

- 858 Arrive on site, get bearings, and begin DTW measurements  
929 End DTW measurements & begin purge calculations,  
NOTE: no drums on site, Will bring drum from Richmond  
948 End purge calculations and start sampling event  
1412 End sampling event, clean up, and leave site
- [10 blank lines for notes]

Signature: