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Alameda County  
Environmental Health

HEMMAT & DOKHANCHY ASSOCIATES  
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August 1, 2007

Ms. Donna Drogos  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Parkway, Suite 250  
Alameda, California 94502-6577

Re: First Quarter 2007 Groundwater Monitoring and Sampling for the Property Located at  
5630 San Pablo Avenue, Oakland, California

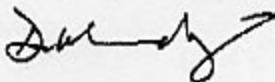
Dear Ms. Drogos:

Enclosed is a copy of the report dated July 26, 2007, concerning the groundwater monitoring and sampling of the referenced site as prepared by my consultant, Enviro Soil Tech Consultants.

I declare, to the best of my knowledge and belief and under penalty of perjury, that the information and/or recommendations contained in these reports are true and correct.

Very truly yours,

HEMMAT & DOKHANCHY ASSOCIATES



Mehrdad Dokhanchy  
General Partner

Enclosures  
hem\5630\072507envirrpts.xmt

**FIRST QUARTER OF 2007 GROUNDWATER  
MONITORING & SAMPLING  
FOR THE PROPERTY  
LOCATED AT 5630 SAN PABLO AVENUE  
OAKLAND, CALIFORNIA  
JULY 26, 2007**

**PREPARED FOR:  
MR. ED HEMMAT  
3840 SAN PABLO AVENUE  
EMERYVILLE, CALIFORNIA 94608**

**BY:  
ENVIRO SOIL TECH CONSULTANTS  
131 TULLY ROAD  
SAN JOSE, CALIFORNIA 95111**

**ENVIRO SOIL TECH CONSULTANTS**

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Graphs of Historical Chemical Concentrations  
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**APPENDIX "D"**

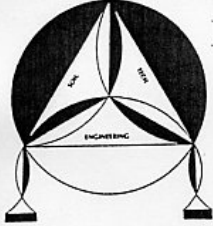
Groundwater Sampling	SOP1
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Entech Analytical Labs Report and Chain-of-Custody

**APPENDIX "F"**

Field Notes Data



## **ENVIRO SOIL TECH CONSULTANTS**

Environmental & Geotechnical Consultants

*131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111*

Tel: (408) 297-1500

Fax: (408) 292-2116

July 26, 2007

File No. 12-04-770-GI

**Mr. Ed Hemmat**

3840 San Pablo Avenue  
Emeryville, California 94608

**SUBJECT: FIRST QUARTER OF 2007 GROUNDWATER  
MONITORING & SAMPLING FOR THE PROPERTY**

Located at 5630 San Pablo Avenue, in  
Oakland, California

Dear Mr. Hemmat:


This report presents results from the first quarter 2007 groundwater monitoring and sampling event conducted by Enviro Soil Tech Consultants (ESTC) at the subject site (Figure 1). The depth to groundwater was measured in the five monitoring wells and water samples were collected for laboratory analysis on February 5, 2007.

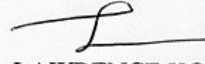
File No. 12-04-770-GI

If you have any questions or require additional information, please feel free to contact our office at (408) 297-1500 or via email at [info@envirosoiltech.com](mailto:info@envirosoiltech.com).

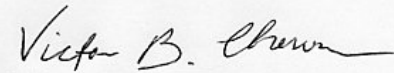
Sincerely,

*ENVIRO SOIL TECH CONSULTANTS*

  
FRANK HAMEDIFARD  
GENERAL MANAGER

  
LAWRENCE KO  
C. E. #34928



  
VICTOR B. CHERVEN, PH.D.  
PROFESSIONAL GEOLOGIST #3475

**ENVIRO SOIL TECH CONSULTANTS**



## **SITE DESCRIPTION**

The site is located on the southeast corner of San Pablo Avenue and Aileen Street in Oakland, California (Figure 1), and is currently being used as a storage site. The site contains one single story building. Underground gasoline storage tanks have not been removed from the site, and are located beneath the sidewalk along San Pablo Avenue. The subject property is located in an area of commercial development.

## **SCOPE OF PRESENT WORK**

The scope of work included in the groundwater monitoring program includes:

- Measure water depths in wells STMW-1 to STMW-5 and note whether petroleum sheen and/or odor are present.
- Purge the monitoring wells of standing water.
- Collect water samples from each well.
- Submit samples to a state-certified laboratory for chemical analyses of Total Petroleum Hydrocarbons as gasoline and diesel (TPHg and TPHd); Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX); Methyl Tertiary Butyl Ether (MTBE) and other fuel oxygenates.
- Review results and prepare a report of the investigation.

## **FIELD ACTIVITIES**

On February 5, 2006, ESTC's staff monitored the five monitoring wells and collected water samples. Depth measurements and other observations were recorded on the field monitoring sheet. After the depth to groundwater was measured, approximately four to five well volumes of water were bailed from each well in order to purge standing water from the casing and assure that water samples would be representative of surrounding groundwater. Purging equipment was decontaminated before and after each well was sampled using Tri-sodium Phosphate (TSP) and water wash, followed by double rinsing. The purged water was stored on site in a plastic storage tank. The monitoring data are shown in Table 1.

Water samples were collected after purging. A disposal bailer was used for sample collection. The samples were preserved in 1-liter amber glass bottles and 40-milliliter glass vials sealed with Teflon-lined screw caps, labeled and placed in a cold ice chest and then transported to Entech Analytical Labs, a state-certified laboratory for analysis, with proper chain-of-custody. The sampling was conducted in accordance with ESTC's Standard Operation Procedures (Appendix "D") and ACHCSA-EHS guidelines.

## **DEPTH TO GROUNDWATER AND FLOW DIRECTION**

The depth to groundwater on February 5 ranged between 8 feet and 9.5 feet below grade, which is approximately 4 feet deeper than in the second quarter of 2006. This change implies that there is a significant seasonal fluctuation in water depths at this site. Converting the data to surface elevation indicates that the water table continued to slope southward, with a hydraulic gradient of approximately 0.022 ft/ft (Figure 2). The gradient was flatter than in the previous two monitoring events, but the depression in the water table that was observed in May 2005 and April 2006 was still present.

## **ANALYTICAL RESULTS**

The laboratory results are summarized in Table 1 (Appendix "A"), and the laboratory report is contained in Appendix "E".

In April of 2006, the TPHg concentration was below the detection limit in STMW-1 and STMW-2, and this quarter it was also below the limit in STMW-3. BTEX concentrations were below the detection limit in all three wells. The TPHg concentration in STMW-4 was in the same range as in May 2005, and the concentration in STMW-5 was in the same range as in April 2006. BTEX concentrations also appear to be stable at low levels, and the maximum estimated benzene concentration declined below 15 ppb (Figure 4). MTBE was again reported in STMW-1, but not in STMW-3, and it still appears that MTBE is not a contaminant of concern at this site.

The non-detect limit for TPHg continues to migrate westward as the concentration falls below the detection limit in successive wells (Figure 3). In the first monitoring event (May 2005), the limit was east of STMW-2. In April 2006 it was between STMW-1 and STMW-3, and this quarter it is between STMW-3 and STMW-4. The latter well continues to exhibit the highest concentration.

## **RECOMMENDATIONS**

Due to the pattern of declining concentrations between May 2005 and February 2007, groundwater contamination at this site may be undergoing natural attenuation. To verify this, we recommend increasing the monitoring frequency to quarterly and monitoring for at least one year. If concentrations continue to decline, long-term monitoring may be the only task that is required to insure the restoration of groundwater quality at this site. If not, further investigation, including more drilling, might be required in 2008 or 2009.

A copy of this report should be forwarded to ACHCSA-EHS and the Regional Water Quality Control Board for their review and comments.

## **LIMITATIONS**

This report and the associated work have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. The contents of this report reflect the conditions of the site at this particular time. The findings of this report are based on:

- 1) The observations of field personnel.
- 2) The results of laboratory analyses performed by a state-certified laboratory.

It is possible that variations in the soil and groundwater could exist beyond the points explored in this investigation. Also, changes in groundwater conditions of a property can occur with the passage of time due to variations in rainfall, temperature, regional water usage and other natural processes or the works of man on this property or adjacent property.

The services that ESTC provided have been in accordance with generally accepted environmental professional practices for the nature and conditions of work completed in the same or similar localities at the time the work was performed. The contents of this report reflect the conditions of the subject site at this particular time. No other warranties, expressed or implied as to the professional advice provided are made.

**A P P E N D I X "A"**

**TABLES**

**TABLE 1**  
**GROUNDWATER MONITORING DATA (feet)**  
**AND ANALYTICAL RESULTS (µg/L)**

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By 82060B
5/19/05a	STMW-1 (41.92)*	20	5-20	6.68K	35.24	No sheen or odor	220	ND <50b	11	18	3.1	20	ND <1	NA	NA	NA	Not Analyzed
4/06/06				4.16*	37.76	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1.7	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07				8.38K	33.54	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	5.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/19/05a	STMW-2 (41.74)*	20	5-20	7.32K	34.42	No sheen or odor	170	ND <50b	11	18	3.5	21	ND <1	NA	NA	NA	Not Analyzed
4/06/06				4.36*	37.38	Rainbow sheen No odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07				8.06K	33.68	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/19/05a	STMW-3 (42.01)*	20	5-20	8.26K	33.75	No sheen or odor	470	ND <50b	13	18	4.9	22	ND <1	NA	NA	NA	Not Analyzed
4/06/06				6.02K	35.99	Rainbow sheen No odor	2200	ND <50c	ND <0.5	ND <0.5	ND <0.5	ND <0.5	1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07				9.32K	32.69	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
5/19/05a	STMW-4 (42.48)*	20	5-20	8.10K	34.38	Rainbow sheen Light petroleum odor	2700	ND <500b	3.2	ND <1	1.6	5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 36 n-Propylbenzene 30
4/06/06				6.32K	36.16	Rainbow sheen Petroleum odor	1800	ND <50c	1.5	1.4	1.1	3.5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 41 n-Propylbenzene 23
2/05/07				9.24K	33.24	Rainbow sheen Petroleum odor	2500	ND <50d	5	ND <1	1.5	3.5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 45 n-Propylbenzene 28
5/19/05a	STMW-5 (40.84)*	20	5-20	6.58K	34.26	Light rainbow sheen No odor	1500	ND <50b	16	ND <0.5	0.52	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 13
4/06/06				4.74*	36.10	Rainbow sheen No odor	640	ND <50c	15	ND <0.5	0.91	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 7.1
2/05/07				7.96K	32.88	No sheen or odor	600	ND <50d	4.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 8.4

**TABLE 1 CONT'D**  
**GROUNDWATER MONITORING DATA (feet)**  
**AND ANALYTICAL RESULTS (µg/L)**

**TPHg** - Total Petroleum Hydrocarbons as gasoline

**BTEX** - Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** - Tetrachloroethene

**TCE** - Trichloroethene

**GW Elev.** - Groundwater Elevation

**NA** - Not Analyzed

\* Groundwater was surveyed based on California Coordinate System 1983, Zone 3. The benchmarks are NGVD 1929 Datum

★ Well screens are submerged

**a** Water samples for TPHg, BTEX and MTBE analyses were collected on May 23, 2005

**b** Higher boiling gasoline compounds in the diesel range

**c** Hydrocarbon (C8-C36) (C8-C18). No diesel pattern present

**d** Hydrocarbon (C9-C16). No diesel pattern present

**TPHd** - Total Petroleum Hydrocarbons as diesel

**MTBE** - Methyl Tertiary Butyl Ether

**TBA** - tert-Butanol

**VOCs** - Volatile Organic Compounds

**Perf.** - Perforation

**ND** - Not Detected (Below Laboratory Reporting Limit)

κ Well screens are not submerged

**TABLE 2**  
**RECENT GROUNDWATER MONITORING DATA (feet)**  
**AND ANALYTICAL RESULTS (µg/L)**

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOCs By 82060B
2/05/07	STMW-1 (41.92)*	20	5-20	8.38κ	33.54	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	5.4	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07	STMW-2 (41.74)*	20	5-20	8.06κ	33.68	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07	STMW-3 (42.01)*	20	5-20	9.32κ	32.69	No sheen or odor	ND <50	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	None Detected<0.5
2/05/07	STMW-4 (42.48)*	20	5-20	9.24κ	33.24	Rainbow sheen Petroleum odor	2500	ND <50d	5	ND <1	1.5	3.5	ND <2	ND <1	ND <20	ND <1	Isopropylbenzene 45 n-Propylbenzene 28
2/05/07	STMW-5 (40.84)*	20	5-20	7.96κ	32.88	No sheen or odor	600	ND <50d	4.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 8.4

**TPHg** - Total Petroleum Hydrocarbons as gasoline

**BTEX** - Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** - Tetrachloroethene

**TCE** - Trichloroethene

**GW Elev.** - Groundwater Elevation

**ND** - Not Detected (Below Laboratory Reporting Limit)

\* Groundwater was surveyed based on California Coordinate System 1983, Zone 3. The benchmarks are NGVD 1929 Datum

★ Well screens are submerged

d Hydrocarbon (C9-C16). No diesel pattern present

**TPHd** - Total Petroleum Hydrocarbons as diesel

**MTBE** - Methyl Tertiary Butyl Ether

**TBA** - tert-Butanol

**VOCs** - Volatile Organic Compounds

**Perf.** - Perforation

κ Well screens are not submerged

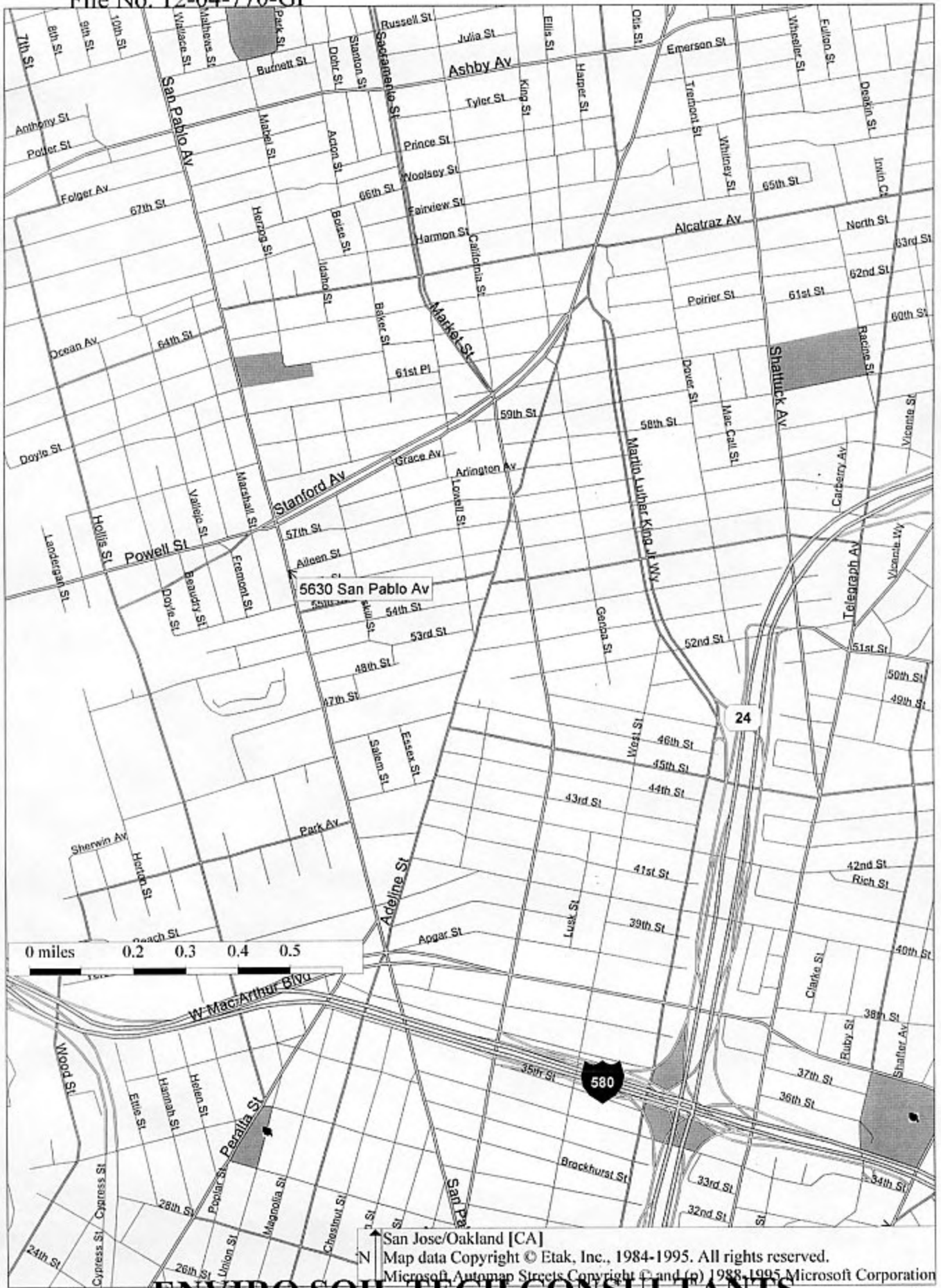


**TABLE 3  
SUMMARY OF MONITORING WELLS DATA  
IN FEET**

<b>Well No.</b>	<b>Well Diameter (inch)</b>	<b>Depth of Well</b>	<b>Depth of Perforation</b>	<b>Depth of Blank</b>	<b>Depth of Cement</b>	<b>Depth of Bentonite</b>	<b>Depth of Sand</b>
STMW-1	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-2	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-3	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-4	2	20	5-20	0-5	0-3½	3½-4	4-20
STMW-5	2	20	5-20	0-5	0-3½	3½-4	4-20

**A P P E N D I X "B"**

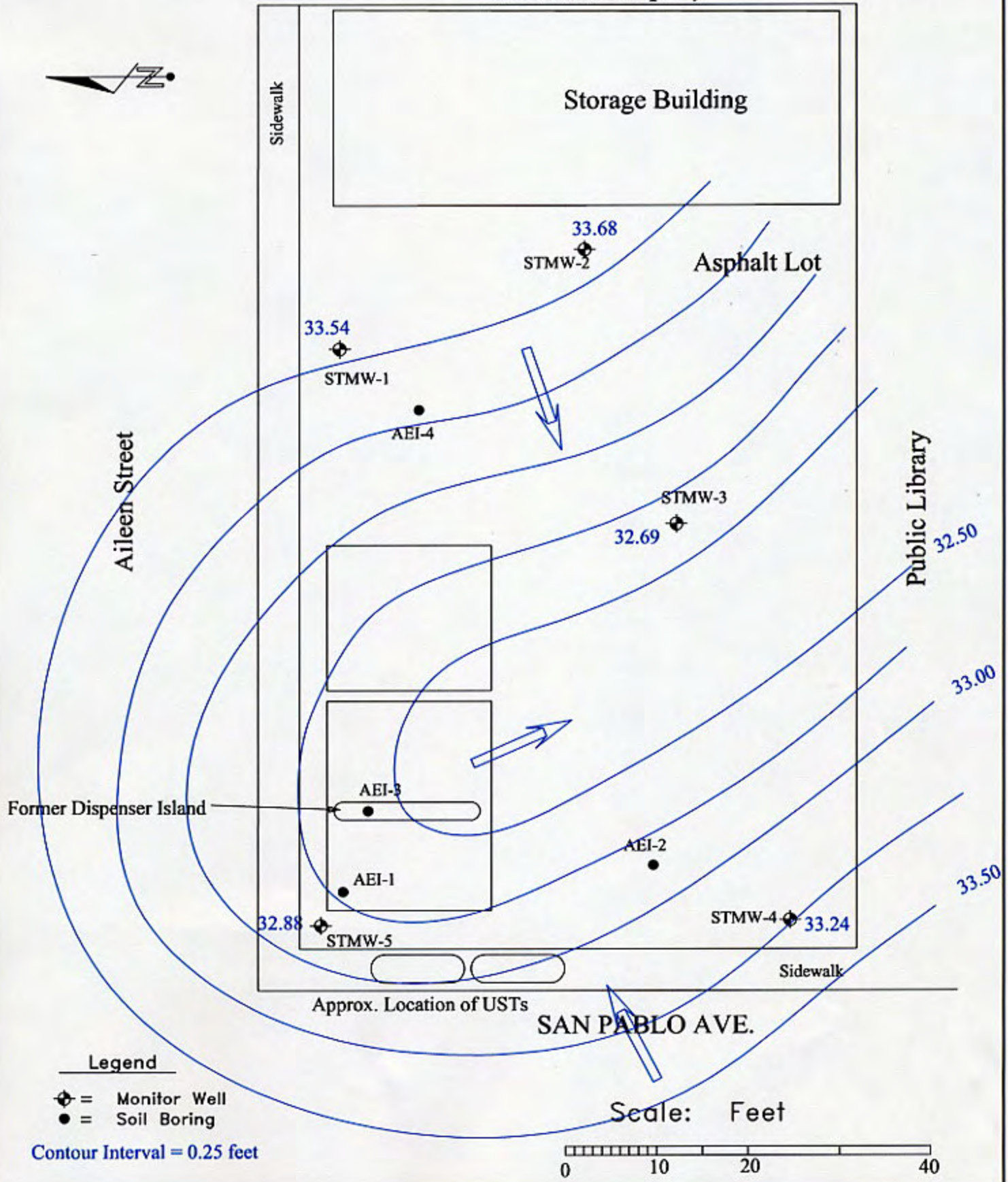
**FIGURES**



# ENVIRO SOIL TECH CONSULTANTS

Figure 1

Residential Property

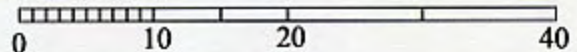


Legend

- ◆ = Monitor Well
- = Soil Boring

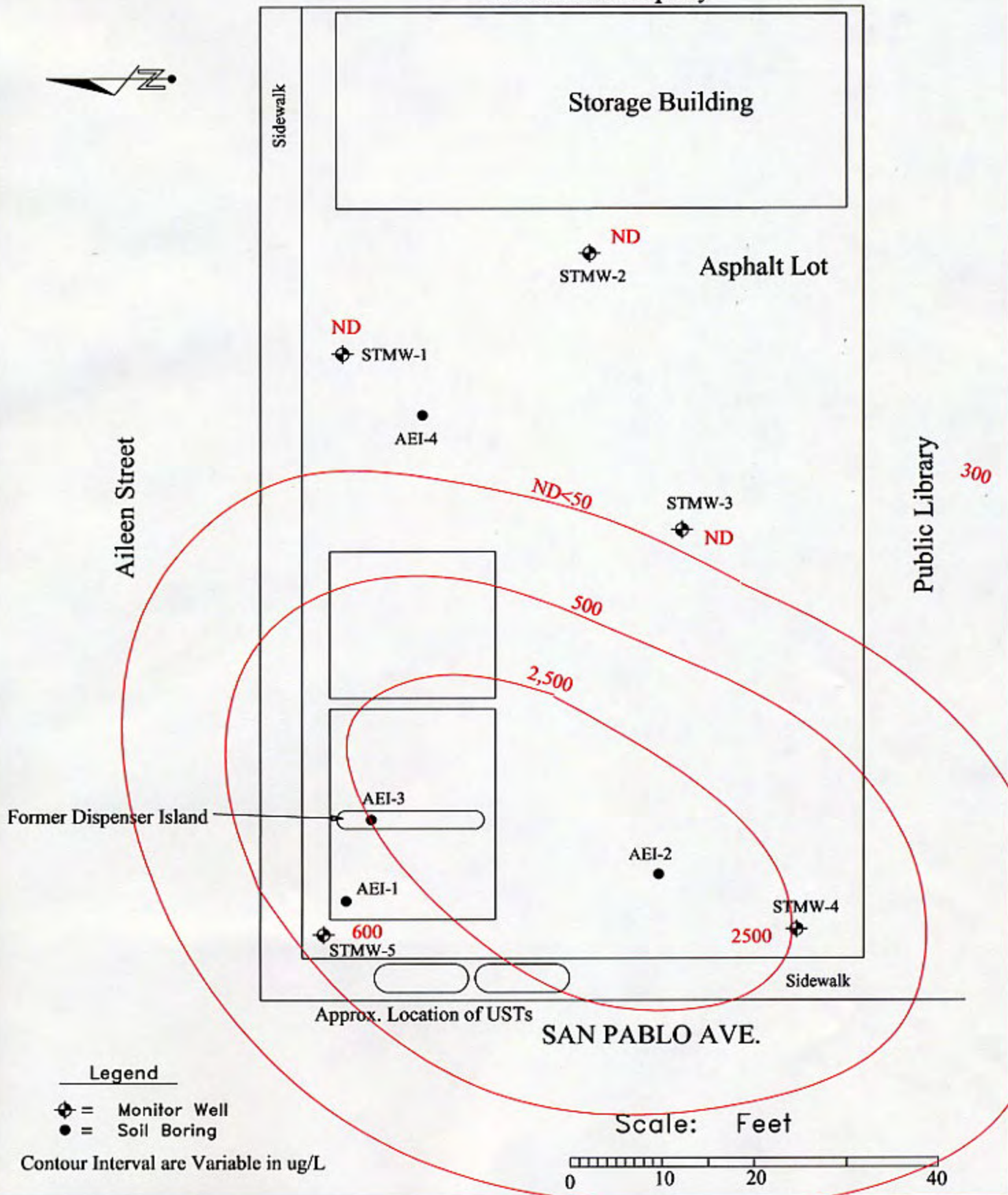
Contour Interval = 0.25 feet

Scale: Feet

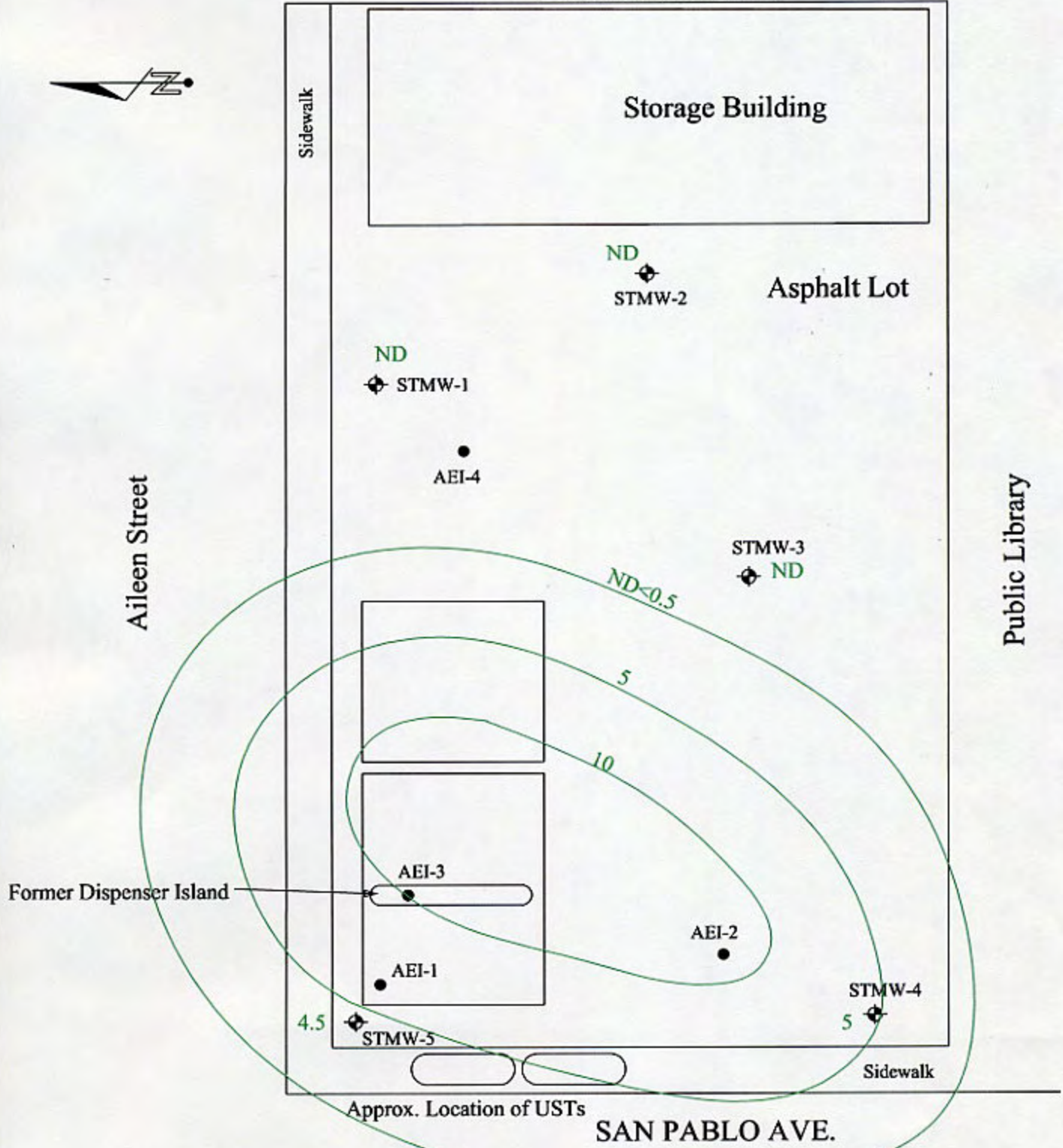




Residential Property



Residential Property

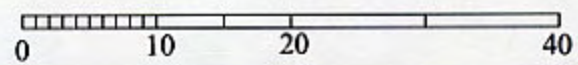


Legend

- ◆ = Monitor Well
- = Soil Boring

Contour Interval are Variable in ug/L

Scale: Feet

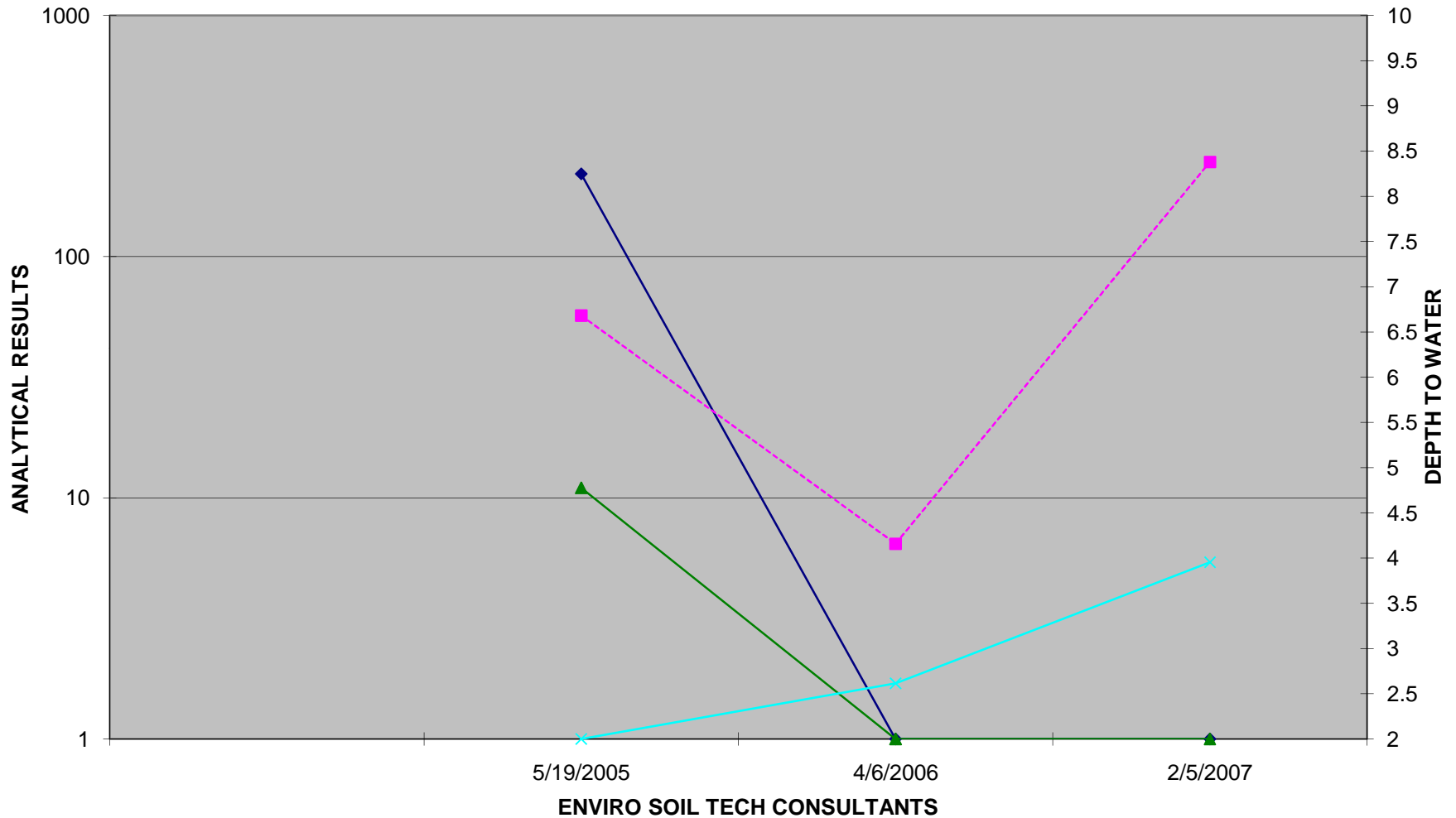


**A P P E N D I X "C"**

**HYDROGRAPHS**



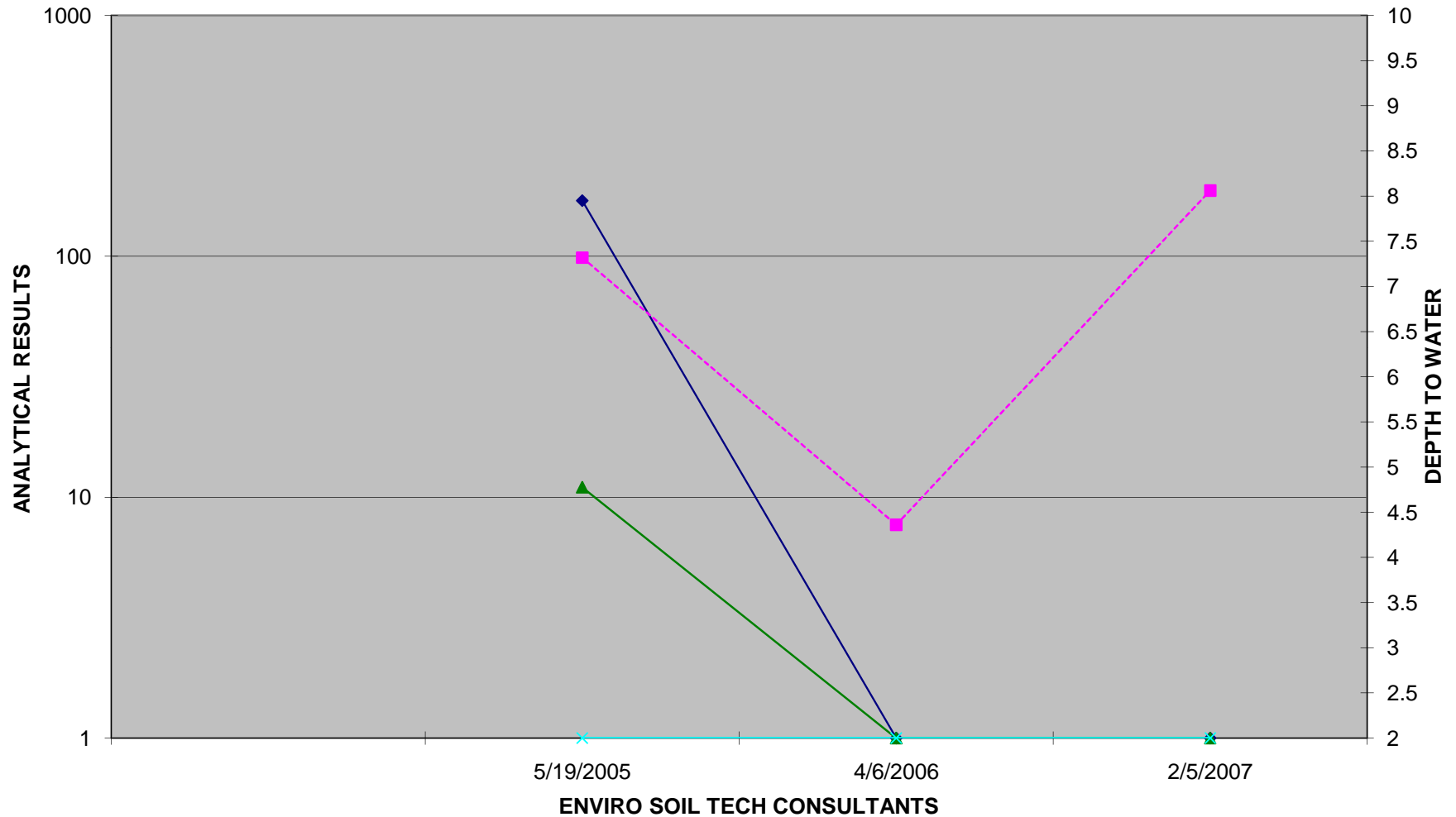
File No.: 12-04-770-GI  
TPHg, BENZENE & MTBE RESULTS FOR STMW-1 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (feet)



—◆— TPHg    —▲— BENZENE    —×— MTBE    - - -■- - - DEPTH TO WATER

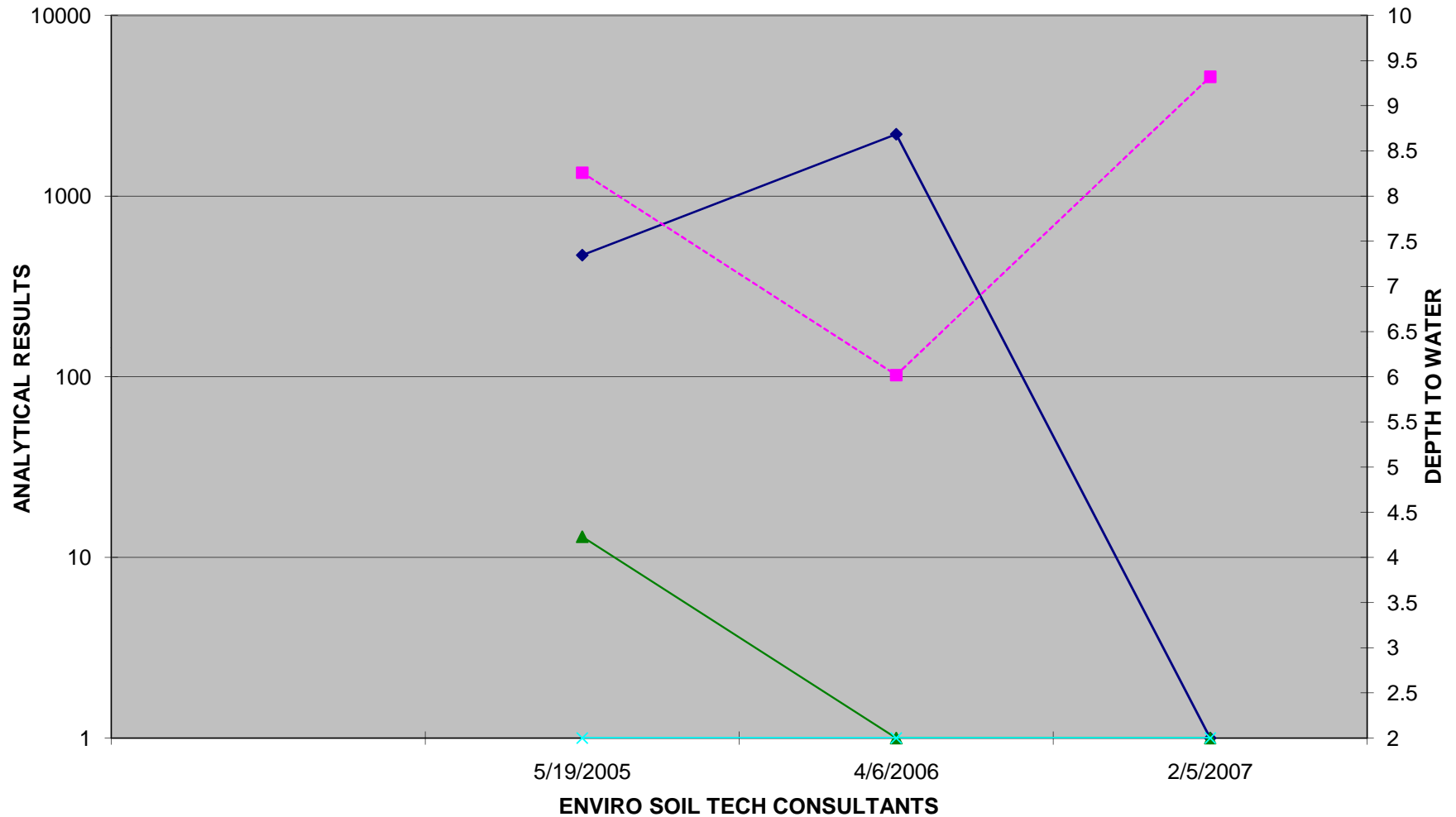


File No.: 12-04-770-GI  
TPHg, BENZENE & MTBE RESULTS FOR STMW-2 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (feet)



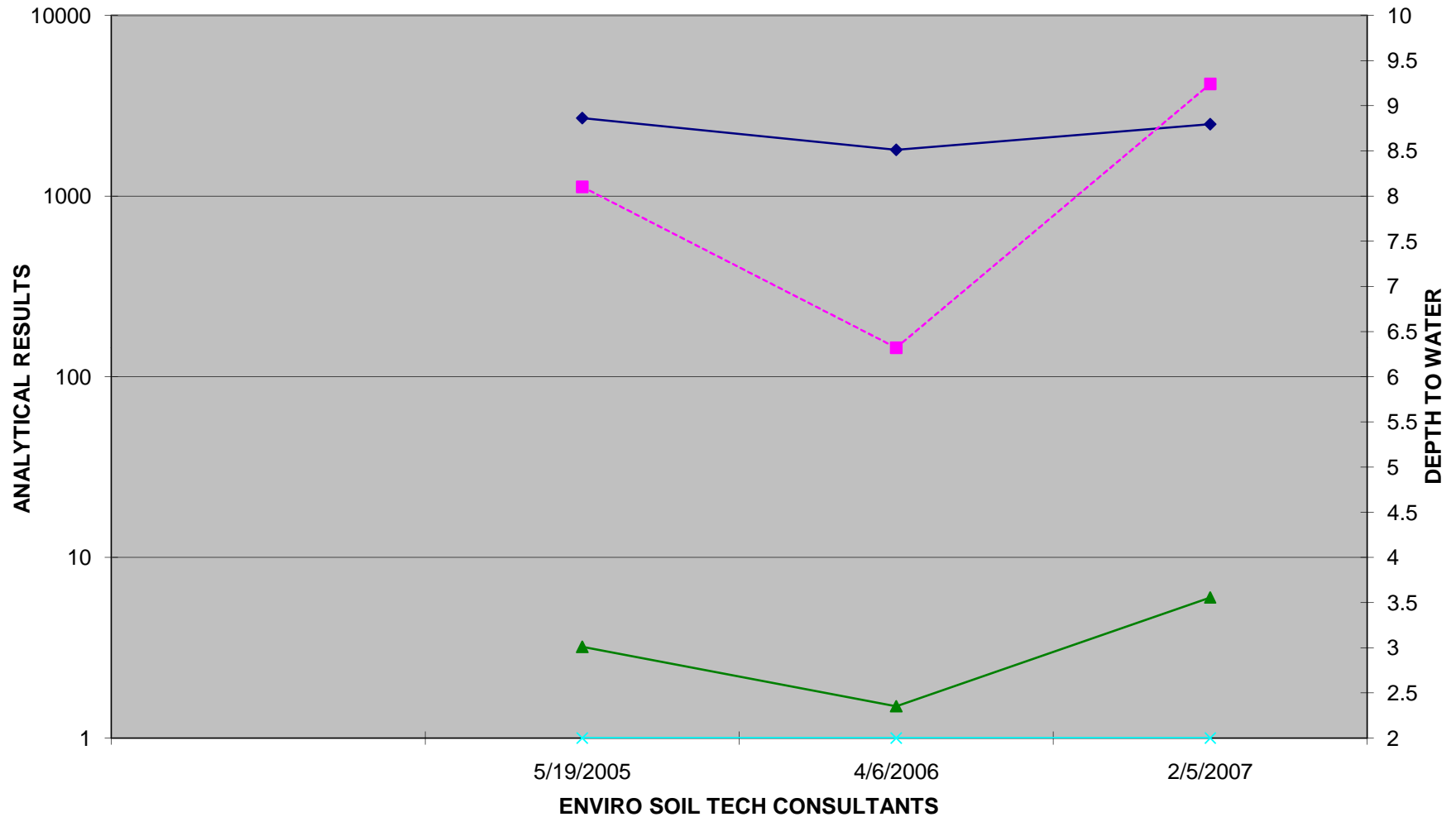
—◆— TPHg    —▲— BENZENE    —×— MTBE    - - -■- - - DEPTH TO WATER

File No.: 12-04-770-GI  
TPHg, BENZENE & MTBE RESULTS FOR STMW-3 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (feet)



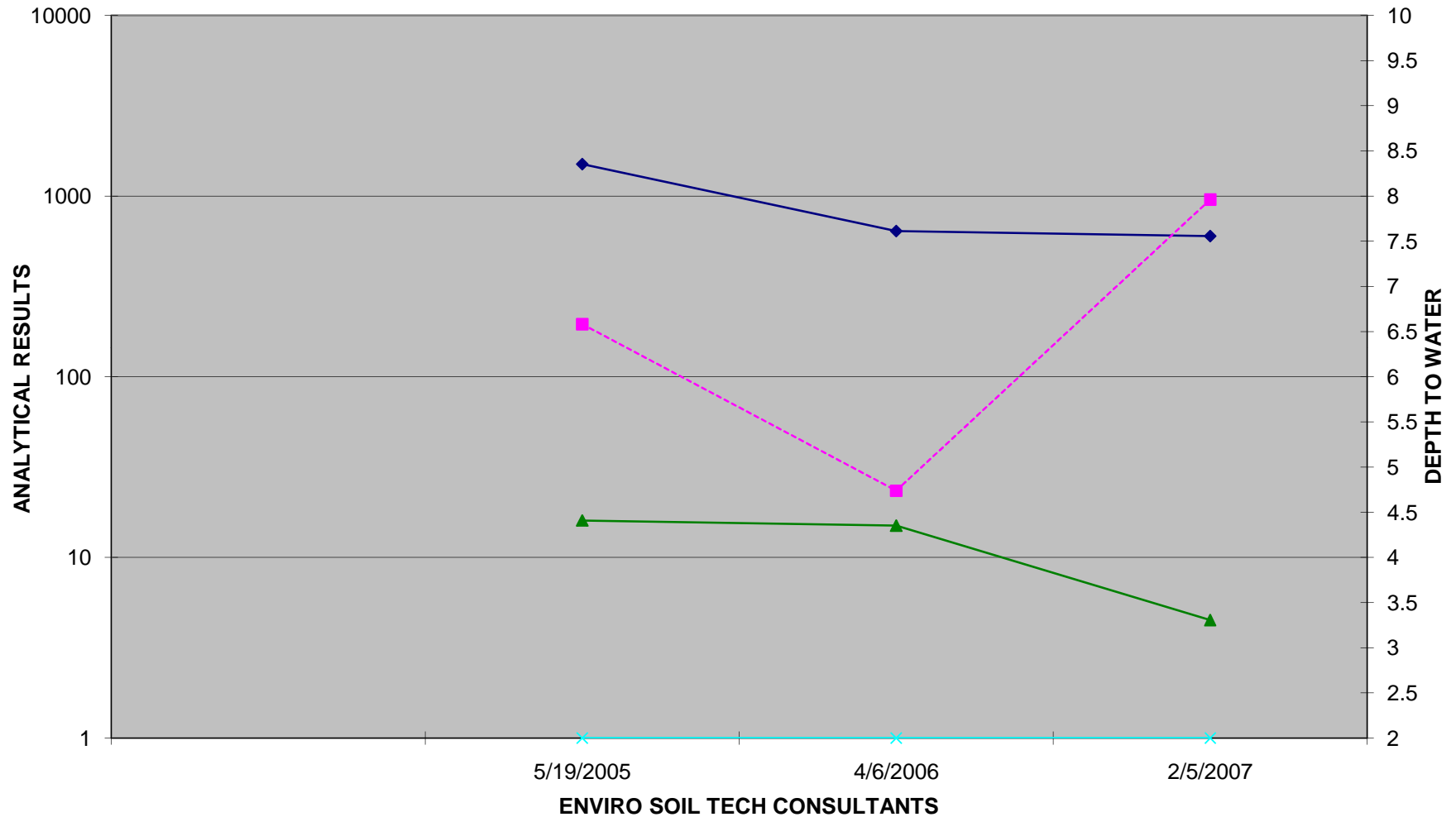
—◆— TPHg    —▲— BENZENE    —×— MTBE    - - -■- - - DEPTH TO WATER

File No.: 12-04-770-GI  
TPHg, BENZENE & MTBE RESULTS FOR STMW-4 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (feet)



—◆— TPHg    —▲— BENZENE    —×— MTBE    - - -■- - - DEPTH TO WATER

File No.: 12-04-770-GI  
TPHg, BENZENE & MTBE RESULTS FOR STMW-5 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (feet)



—◆— TPHg    —▲— BENZENE    —×— MTBE    - - -■- - - DEPTH TO WATER

**A P P E N D I X "D"**

**STANDARD OPERATION PROCEDURE**

**ENVIRO SOIL TECH CONSULTANTS**

## **GROUNDWATER SAMPLING**

Prior to collection of groundwater samples, all of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc.) was cleaned by pumping TSP water solution followed by distilled water.

Prior to purging, the well "Water Sampling Field Survey Forms" were filled out (depth to water and total depth of water column were measured and recorded). The well was then bailed or pumped to remove four to ten well volumes or until the discharged water temperature, conductivity and pH stabilized. "Stabilized" is defined as three consecutive readings within 15% of one another.

The groundwater sample was collected when the water level in the well recovered to 80% of its static level.

Forty milliliter (ml.), glass volatile organic analysis (VOA) vials and one liter amber glass bottles with Teflon septa were used as sample containers. The groundwater sample was decanted into each glass bottle and VOA vial in such a manner that there was a meniscus at the top. The cap was quickly placed over the top of the glass bottle and vial and securely tightened. The glass bottles and VOA vials were then inverted and tapped to see if air bubbles were present. If none were present, the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information would include a sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

**A P P E N D I X "E"**

**LABORATORY REPORT**

**ENVIRO SOIL TECH CONSULTANTS**

# ***Entech Analytical Labs, Inc.***

---

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

**Frank Hamedi  
Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111**

**Lab Certificate Number: 53786**

**Issued: 02/20/2007**

**Project Number: 12-04-770GI  
Project Location: 5630 San Pablo Ave./Oakland**

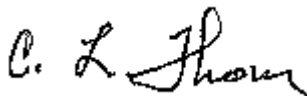
## **Certificate of Analysis - Final Report**

On February 06, 2007, 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 / Comments</u>
Liquid	Electronic Deliverables for Geotracker TPH-Extractable: EPA 3510C / EPA 8015B(M) TPH-Purgeable-GC : EPA 5030C / EPA 8015B VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

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,



C. L. Thom  
Laboratory Director



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-001

Sample ID: STMW-1

Matrix: Liquid

Sample Date: 2/5/2007

2:32 PM

VOCs: EPA 5030C / 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	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	2/12/2007	WM1070212
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Acetone	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212

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

2/20/2007 4:11:34 PM - ECunniffe

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Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-001

Sample ID: STMW-1

Matrix: Liquid

Sample Date: 2/5/2007

2:32 PM

VOCs: EPA 5030C / 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	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Methyl-t-butyl Ether	5.4		1.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	114	60 - 130
Dibromofluoromethane	114	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: XBian

Reviewed by: TFulton

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

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-001      Sample ID: STMW-1

Matrix: Liquid      Sample Date: 2/5/2007      2:32 PM

### TPH-Purgeable-GC : EPA 5030C / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	2/13/2007	WGCB070212B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	65 - 135

Analyzed by: MaiChiTu

Reviewed by: TFulton

### TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	2/7/2007	WD070207A	2/8/2007	WD070207A

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	81.9	22 - 133

Analyzed by: MTran

Reviewed by: jhsiang

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-002

Sample ID: STMW-2

Matrix: Liquid

Sample Date: 2/5/2007

1:28 PM

VOCs: EPA 5030C / 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	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	2/12/2007	WM1070212
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Acetone	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212

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

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131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-002      Sample ID: STMW-2      Matrix: Liquid      Sample Date: 2/5/2007      1:28 PM

VOCs: EPA 5030C / 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	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	2/12/2007	WM1070212
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	2/12/2007	WM1070212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	114	60 - 130
Dibromofluoromethane	114	60 - 130
Toluene-d8	105	60 - 130

Analyzed by: XBian  
Reviewed by: TFulton

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San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-002    Sample ID: STMW-2    Matrix: Liquid    Sample Date: 2/5/2007    1:28 PM

### TPH-Purgeable-GC : EPA 5030C / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	2/13/2007	WGCB070212B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	110	65 - 135

Analyzed by: MaiChiTu

Reviewed by: TFulton

### TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	2/7/2007	WD070207A	2/8/2007	WD070207A

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	83.5	22 - 133

Analyzed by: MTran

Reviewed by: jhsiang

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Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-003

Sample ID: STMW-3

Matrix: Liquid

Sample Date: 2/5/2007

12:30 PM

VOCs: EPA 5030C / 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	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	2/13/2007	WM1070213
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Acetone	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213

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

2/20/2007 4:11:34 PM - ECunniffe

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Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-003

Sample ID: STMW-3

Matrix: Liquid Sample Date: 2/5/2007 12:30 PM

VOCs: EPA 5030C / 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	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	116	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	103	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

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

2/20/2007 4:11:34 PM - ECunniffe



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Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-003    Sample ID: STMW-3    Matrix: Liquid    Sample Date: 2/5/2007    12:30 PM

### TPH-Purgeable-GC : EPA 5030C / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	2/13/2007	WGCB070212B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	110	65 - 135

Analyzed by: MaiChiTu

Reviewed by: TFulton

### TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	2/7/2007	WD070207A	2/8/2007	WD070207A

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	79.9	22 - 133

Analyzed by: MTran

Reviewed by: jhsiang

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-004

Sample ID: STMW-4

Matrix: Liquid

Sample Date: 2/5/2007

11:25 AM

VOCs: EPA 5030C / 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	QC Batch
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,1,1-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,1,2-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,1-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,1-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,1-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2,3-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2,3-Trichloropropane	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2,4-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2,4-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2-Dibromo-3-Chloropropane	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2-Dibromoethane (EDB)	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,3,5-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
1,3-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,3-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,4-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
1,4-Dioxane	ND		2.0	100	µg/L	N/A	N/A	2/14/2007	WM1070213
2,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
2-Butanone (MEK)	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
2-Chloroethyl-vinyl Ether	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
2-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
2-Hexanone	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
4-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
4-Methyl-2-Pentanone(MIBK)	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
Acetone	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
Acetonitrile	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Acrolein	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Acrylonitrile	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Benzene	5.0		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Benzyl Chloride	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Bromobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Bromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Bromodichloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Bromoform	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Bromomethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Carbon Disulfide	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Carbon Tetrachloride	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Chlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Chloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Chloroform	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Chloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213

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

2/20/2007 4:11:35 PM - ECunniffe

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-004

Sample ID: STMW-4

Matrix: Liquid

Sample Date: 2/5/2007

11:25 AM

VOCs: EPA 5030C / 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	QC Batch
cis-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
cis-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Cyclohexanone	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
Dibromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Dibromomethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Dichlorodifluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Diisopropyl Ether	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Ethyl Benzene	1.5		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Freon 113	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Hexachlorobutadiene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Iodomethane	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Isopropanol	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
Isopropylbenzene	45		2.0	2.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Methyl-t-butyl Ether	ND		2.0	2.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Methylene Chloride	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
n-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
n-Propylbenzene	28		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Naphthalene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
p-Isopropyltoluene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Pentachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
sec-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Styrene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
tert-Amyl Methyl Ether	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
tert-Butanol (TBA)	ND		2.0	20	µg/L	N/A	N/A	2/14/2007	WM1070213
tert-Butyl Ethyl Ether	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
tert-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Tetrachloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Tetrahydrofuran	ND		2.0	40	µg/L	N/A	N/A	2/14/2007	WM1070213
Toluene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
trans-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
trans-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
trans-1,4-Dichloro-2-butene	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Trichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Trichlorofluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Vinyl Acetate	ND		2.0	10	µg/L	N/A	N/A	2/14/2007	WM1070213
Vinyl Chloride	ND		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213
Xylenes, Total	3.5		2.0	1.0	µg/L	N/A	N/A	2/14/2007	WM1070213

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	90.3	60 - 130
Toluene-d8	108	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

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131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-004

Sample ID: STMW-4

Matrix: Liquid Sample Date: 2/5/2007 11:25 AM

### TPH-Purgeable-GC : EPA 5030C / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2500		10	500	µg/L	N/A	N/A	2/13/2007	WGCB070212B

Surrogate Surrogate Recovery Control Limits (%)

4-Bromofluorobenzene 526 \*\*\* 65 - 135

Analyzed by: MaiChiTu

Reviewed by: TFulton

\*\*\* Surrogate recovery is outside of the QC limits due to matrix interference.

### TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	2/7/2007	WD070207A	2/8/2007	WD070207A

1160 µg/L Hydrocarbon (C9-C16). No Diesel pattern present.

Surrogate Surrogate Recovery Control Limits (%)

o-Terphenyl 81.2 22 - 133

Analyzed by: MTran

Reviewed by: jhsiang

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Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-005

Sample ID: STMW-5

Matrix: Liquid

Sample Date: 2/5/2007

10:21 AM

VOCs: EPA 5030C / 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	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	2/13/2007	WM1070213
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Acetone	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Benzene	4.5		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213

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

2/20/2007 4:11:35 PM - ECunniffe

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131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab # : 53786-005

Sample ID: STMW-5

Matrix: Liquid

Sample Date: 2/5/2007

10:21 AM

VOCs: EPA 5030C / 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	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Isopropylbenzene	8.4		1.0	1.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	2/13/2007	WM1070213
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	2/13/2007	WM1070213
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	2/13/2007	WM1070213

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	119	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: XBian

Reviewed by: MaiChiTu

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Attn: Frank Hamedi

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

## Certificate of Analysis - Data Report

Samples Received: 02/06/2007

Sample Collected by: Client

Lab #: 53786-005

Sample ID: STMW-5

Matrix: Liquid Sample Date: 2/5/2007 10:21 AM

### TPH-Purgeable-GC : EPA 5030C / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	600		2.0	100	µg/L	N/A	N/A	2/13/2007	WGCB070212B

Surrogate Surrogate Recovery Control Limits (%)

4-Bromofluorobenzene 495 \*\*\* 65 - 135

Analyzed by: MaiChiTu

Reviewed by: TFulton

\*\*\* Surrogate recovery is outside of the QC limits due to matrix interference.

### TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	2/7/2007	WD070207A	2/8/2007	WD070207A

280 µg/L Hydrocarbon (C9-C16). No Diesel pattern present.

Surrogate Surrogate Recovery Control Limits (%)

o-Terphenyl 79.3 22 - 133

Analyzed by: MTran

Reviewed by: jhsiang

# 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 - TPH-Purgeable-GC : EPA 5030C / EPA 8015B

QC Batch ID: WGCB070212B

Validated by: TFulton - 02/14/07

QC Batch Analysis Date: 2/13/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	107	65 - 135		



# Entech Analytical Labs, Inc.

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LCS / LCSD - Liquid - TPH-Purgeable-GC : EPA 5030C / EPA 8015B

QC Batch ID: WGCB070212B

Reviewed by: TFulton - 02/14/07

QC Batch ID Analysis Date: 2/13/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	119	µg/L	95.2	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	<b>107.0</b>	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	123	µg/L	98.4	3.3	25.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	<b>113.0</b>	65 - 135						

# Entech Analytical Labs, Inc.

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Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070212

Validated by: TFulton - 02/13/07

QC Batch Analysis Date: 2/12/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Acrolein	ND	1	5.0	µg/L
Acrylonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Benzyl Chloride	ND	1	5.0	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L

# Entech Analytical Labs, Inc.

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

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070212

Validated by: TFulton - 02/13/07

QC Batch Analysis Date: 2/12/2007

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Acetate	ND	1	5.0	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	99.1	70 - 125
Dibromofluoromethane	97.0	70 - 125
Toluene-d8	107	70 - 125

# Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070212

Reviewed by: TFulton - 02/13/07

QC Batch ID Analysis Date: 2/12/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.0	µg/L	105	70 - 130
Benzene	<0.50	20	22.3	µg/L	112	70 - 130
Chlorobenzene	<0.50	20	22.4	µg/L	112	70 - 130
Methyl-t-butyl Ether	<1.0	20	22.0	µg/L	110	70 - 130
Toluene	<0.50	20	21.2	µg/L	106	70 - 130
Trichloroethene	<0.50	20	22.0	µg/L	110	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>105.0</b>	60 - 130
Dibromofluoromethane	<b>98.4</b>	60 - 130
Toluene-d8	<b>96.9</b>	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.1	µg/L	90.5	15	25.0	70 - 130
Benzene	<0.50	20	19.0	µg/L	95.0	16	25.0	70 - 130
Chlorobenzene	<0.50	20	19.1	µg/L	95.5	16	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.1	µg/L	95.5	14	25.0	70 - 130
Toluene	<0.50	20	18.2	µg/L	91.0	15	25.0	70 - 130
Trichloroethene	<0.50	20	18.6	µg/L	93.0	17	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>102.0</b>	60 - 130
Dibromofluoromethane	<b>94.9</b>	60 - 130
Toluene-d8	<b>98.8</b>	60 - 130

# Entech Analytical Labs, Inc.

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

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070213

Validated by: MaiChiTu - 02/14/07

QC Batch Analysis Date: 2/13/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Acrolein	ND	1	5.0	µg/L
Acrylonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Benzyl Chloride	ND	1	5.0	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L

# Entech Analytical Labs, Inc.

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

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070213

Validated by: MaiChiTu - 02/14/07

QC Batch Analysis Date: 2/13/2007

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Acetate	ND	1	5.0	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	102	70 - 125
Dibromofluoromethane	91.3	70 - 125
Toluene-d8	102	70 - 125

# Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070213

Reviewed by: MaiChiTu - 02/14/07

QC Batch ID Analysis Date: 2/13/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.7	µg/L	93.5	70 - 130
Benzene	<0.50	20	20.0	µg/L	100	70 - 130
Chlorobenzene	<0.50	20	20.4	µg/L	102	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.7	µg/L	104	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.5	70 - 130
Trichloroethene	<0.50	20	19.8	µg/L	99.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>101.0</b>	60 - 130
Dibromofluoromethane	<b>95.9</b>	60 - 130
Toluene-d8	<b>99.0</b>	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.0	µg/L	95.0	1.6	25.0	70 - 130
Benzene	<0.50	20	20.6	µg/L	103	3.0	25.0	70 - 130
Chlorobenzene	<0.50	20	20.4	µg/L	102	0.0	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.7	µg/L	104	0.0	25.0	70 - 130
Toluene	<0.50	20	19.2	µg/L	96.0	0.52	25.0	70 - 130
Trichloroethene	<0.50	20	20.0	µg/L	100	1.0	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>108.0</b>	60 - 130
Dibromofluoromethane	<b>96.6</b>	60 - 130
Toluene-d8	<b>98.8</b>	60 - 130

# Entech Analytical Labs, Inc.

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

Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WD070207A

Validated by: MaiChiTu - 02/09/07

QC/Prep Date: 2/7/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
o-Terphenyl	90.5	22 - 133		

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WD070207A

Reviewed by: MaiChiTu - 02/09/07

QC/Prep Date: 2/7/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	973	µg/L	97.3	40 - 138
TPH as Motor Oil	<200	1000	1020	µg/L	102	40 - 138
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
o-Terphenyl	89.9	22 - 133				

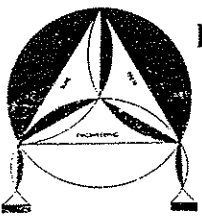
## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	976	µg/L	97.6	0.31	25.0	40 - 138
TPH as Motor Oil	<200	1000	1030	µg/L	103	1.2	25.0	40 - 138
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
o-Terphenyl	89.5	22 - 133						



CHAIN OF CUSTODY RECORD

PROJ. NO.		NAME					CON-TAINER	ANALYSES REQUESTED	REMARKS	
12-04-7706		5630 San Pablo Ave, Oakland								
SAMPLERS: (Signature)										
Richard Mendez 53786										
NO.	DATE	TIME	SOIL	WATER	LOCATION					
1	2/05/07	14 <sup>32</sup>		✓	STMW-1	001	6	✓	✓	EDF # T06019784055
2		13 <sup>28</sup>		✓	STMW-2	002	6	✓	✓	
3		12 <sup>30</sup>		✓	STMW-3	003	6	✓	✓	
4		11 <sup>25</sup>		✓	STMW-4	004	6	✓	✓	
5		10 <sup>21</sup>		✓	STMW-5	005	6	✓	✓	*Full lists
*All vials are HCL preserved*										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Receive by: (Signature)
Richard Mendez		2-6-07 15:35		[Signature]						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks		
								Please send lab report to Frank Hamedi		

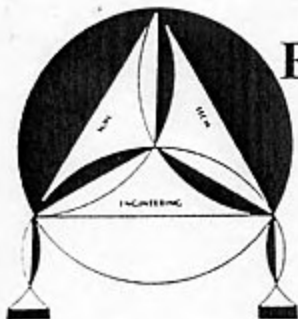


ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants  
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
 Tel: (408) 297-1500 Fax: (408) 292-2116

**A P P E N D I X "F"**

**FIELD NOTES**



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-61

DATE: 2-05-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 8<sup>ft</sup> .38

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: Stmw -1

SAMPLER: Perched Manly

1 WELL VOLUME: 1.9

5 WELL VOLUME: 9.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER:  2"

4"

## CALCULATIONS:

2" - x 0.1632 11.62

4" - 0.653 \_\_\_\_\_

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

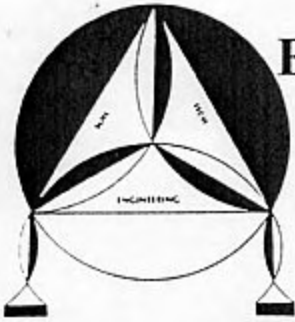
SHEEN:  NO  YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO  YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 gpc</u>	<u>7.18</u>	<u>16.9</u>	<u>486</u>
_____	<u>6 gpc</u>	<u>7.12</u>	<u>16.8</u>	<u>462</u>
_____	<u>9 gpc</u>	<u>6.95</u>	<u>17.0</u>	<u>440</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

8<sup>ft</sup> .86



# ENVIRO SOIL TECH CONSULTANTS

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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-61

DATE: 2-05-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 8<sup>ft</sup> .06

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: SMW-2

SAMPLER: Pushed Manly

1 WELL VOLUME: 1.9

5 WELL VOLUME: 9.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 11.94

4" - 0.653 \_\_\_\_\_

PURGE METHOD: \_\_\_\_\_ BAILER ✓ DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD: ✓ BAILER \_\_\_\_\_ OTHER

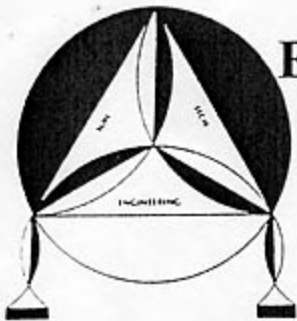
SHEEN: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

ODOR: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 gAL</u>	<u>7.31</u>	<u>16.4</u>	<u>386</u>
_____	<u>6 gAL</u>	<u>6.88</u>	<u>16.8</u>	<u>418</u>
_____	<u>9 gAL</u>	<u>6.94</u>	<u>17.1</u>	<u>404</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

9<sup>ft</sup> .18



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-G1

DATE: 2-05-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 9<sup>f</sup> 32

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: Stm u-3

SAMPLER: Drifted Manly

1 WELL VOLUME: 1.7

5 WELL VOLUME: 8.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 10.68

4" - 0.653 \_\_\_\_\_

PURGE METHOD: \_\_\_\_\_ BAILER ✓ DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD: \_\_\_\_\_ BAILER \_\_\_\_\_ OTHER

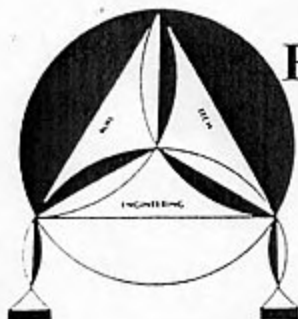
SHEEN: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

ODOR: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 GAL</u>	<u>7.52</u>	<u>17.1</u>	<u>381</u>
_____	<u>6 GAL</u>	<u>8.05</u>	<u>17.0</u>	<u>441</u>
_____	<u>9 GAL</u>	<u>6.96</u>	<u>16.8</u>	<u>392</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

10<sup>f</sup> 36



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-G1

DATE: 2-05-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 9 ft, 24

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: SJMA-4

SAMPLER: Shutted Manly

1 WELL VOLUME: 1.8

5 WELL VOLUME: 9

ACTUAL PURGED VOLUME: 9

CASING DIAMETER:  2"

4"

## CALCULATIONS:

2" - x 0.1632 10.76

4" - 0.653 \_\_\_\_\_

PURGE METHOD:  BAILER  DISPLACEMENT PUMP  OTHER

SAMPLE METHOD:  BAILER  OTHER

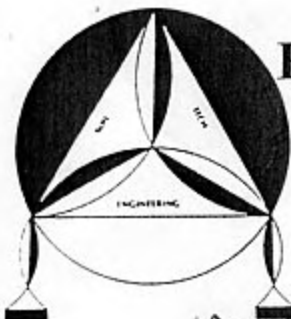
SHEEN:  NO  YES, DESCRIBE: RAIN BOW

ODOR:  NO  YES, DESCRIBE: PETRO

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 GAL</u>	<u>7.36</u>	<u>17.3</u>	<u>485</u>
_____	<u>6 GAL</u>	<u>6.79</u>	<u>16.8</u>	<u>543</u>
_____	<u>9 GAL</u>	<u>6.85</u>	<u>16.7</u>	<u>546</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

10 ft, 34



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Tel: (408) 297-1500

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FILE NO.: 12-04-770-61  
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DATE: 2-05-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 7<sup>ft</sup>, 96

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: STW-5

SAMPLER: partial manual

1 WELL VOLUME: 2

5 WELL VOLUME: 10

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2"

\_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 12.04

4" - 0.653 \_\_\_\_\_

PURGE METHOD: \_\_\_\_\_ BAILER ✓ DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD: ✓ BAILER \_\_\_\_\_ OTHER

SHEEN: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

ODOR: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 GAL</u>	<u>6.58</u>	<u>18.2</u>	<u>533</u>
_____	<u>6 GAL</u>	<u>5.45</u>	<u>18.1</u>	<u>515</u>
_____	<u>9 GAL</u>	<u>6.48</u>	<u>18.1</u>	<u>494</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

8<sup>ft</sup>, 24