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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: Second Quarter 2006 Groundwater Monitoring and Sampling for the Property Located at
5630 San Pablo Avenue, Oakland, California

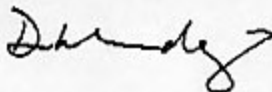
Dear Ms. Drogos:

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\072507envlrpts.xmt

**SECOND QUARTER OF 2006 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
and Groundwater Elevations

APPENDIX "D"

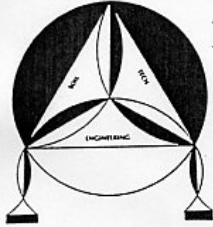
Groundwater Sampling	SOP1
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APPENDIX "E"

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: SECOND QUARTER OF 2006 GROUNDWATER
MONITORING & SAMPLING FOR THE PROPERTY**
Located at 5630 San Pablo Avenue, in
Oakland, California

Dear Mr. Hemmat:

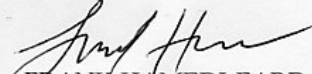
This report presents results from the second quarterly groundwater monitoring event conducted by Enviro Soil Tech Consultants (ESTC) at the subject site (Figure 1). The depth to groundwater was measured in the five monitoring wells and water samples were collected for laboratory analysis on April 6, 2006, but the results were not reported at that time because payment had not been received for our previous services.

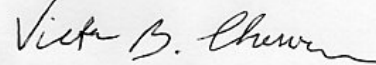
File No. 12-04-770-GI

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.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS


FRANK HAMEDI-FARD
GENERAL MANAGER


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


LAWRENCE KOO, P. E.
C. E. #34928



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 were removed in 1967, and were 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 April 6, 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 April 6 ranged between 4 feet and 6.5 feet below grade. It was deeper in STMW-3 and STMW-4 than in the other three wells, and converting the data to surface elevation indicates that the water table sloped southward at a hydraulic gradient of approximately 0.04 ft/ft (Figure 2). The overall contour pattern is quite similar to that observed when the wells were last monitored in May 2005, but the gradient is slightly steeper.

ANALYTICAL RESULTS

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

In May 2005, TPHg and BTEX compounds were detected in all wells. In April of 2006, the TPHg concentration was below the detection limit in STMW-1 and STMW-2 and was lower in STMW-4 and STMW-5. It increased from 470 to 2200 parts per billion in STMW-3. No BTEX compounds were detected in STMW-1, STMW-2, or STMW-3, but very low concentrations of these compounds were still present in STMW-4 and STMW-5. The laboratory also reported that Methyl Tertiary Butyl Ether (MTBE) was present slightly above the detection limit in STMW-1 and STMW-3, but these results are suspect because the site ceased receiving gasoline in 1967, before MTBE was added to gasoline, and no MTBE was detected when the wells were drilled last year.

The decline in the TPHg concentration in STMW-1 and STMW-2 means that the non-detect (<50 µg/L) contour moved westward between May 2005 and April 2006 and now lies between these wells and STMW-3 (Figure 3). However, because the concentration increased in STMW-3 and decreased in STMW-4 and STMW-5, the contour spacing becomes tighter, implying that the hydrocarbon plume became less diffuse and more locally concentrated in the central portion of the site. It may have exceeded 5,000 ppb east of AEI-2.

In contrast, benzene was probably slightly more prevalent in the northwestern corner of the site, as indicated by the concentration in STMW-5 (Figure 4).

RECOMMENDATION

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
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
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
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
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

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
PCE - Tetrachloroethene
TCE - Trichloroethene
GW Elev. - Groundwater Elevation
NA - Not Analyzed

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)

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

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

★ Well screens are submerged

K Well screens are not 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

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
4/06/06	STMW-1 (41.92)*	20	5-20	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
4/06/06	STMW-2 (41.74)*	20	5-20	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
4/06/06	STMW-3 (42.01)*	20	5-20	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
4/06/06	STMW-4 (42.48)*	20	5-20	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
4/06/06	STMW-5 (40.84)*	20	5-20	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

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

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

TPHd - Total Petroleum Hydrocarbons as diesel

MTBE - Methyl Tertiary Butyl Ether

TBA - tert-Butanol

VOCs - Volatile Organic Compounds

Perf. - Perforation

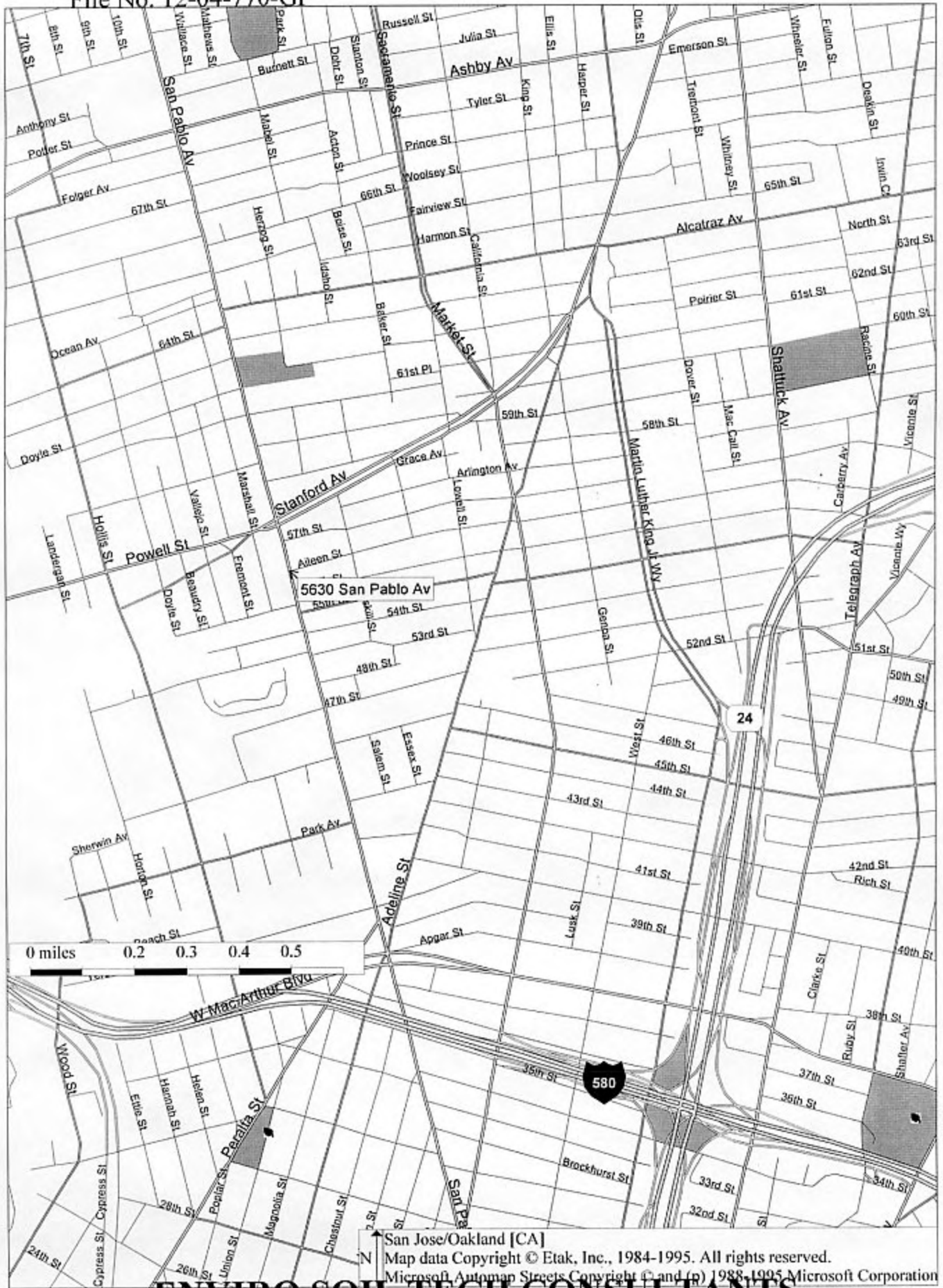
K Well screens are not submerged

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

Well No.	Well Diameter (inch)	Depth of Well	Depth of Perforation	Depth of Blank	Depth of Cement	Depth of Bentonite	Depth of Sand
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

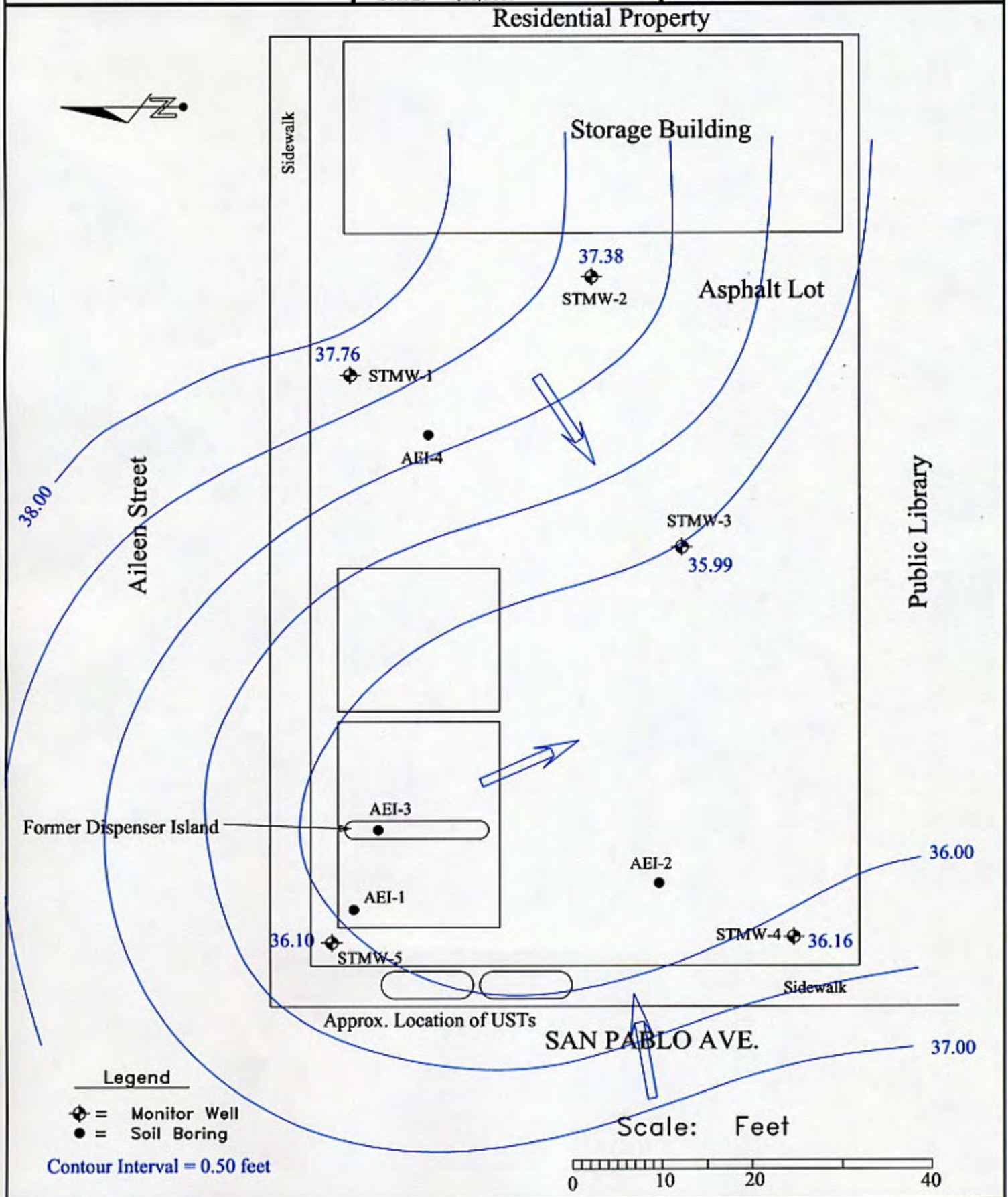
A P P E N D I X "B"

FIGURES

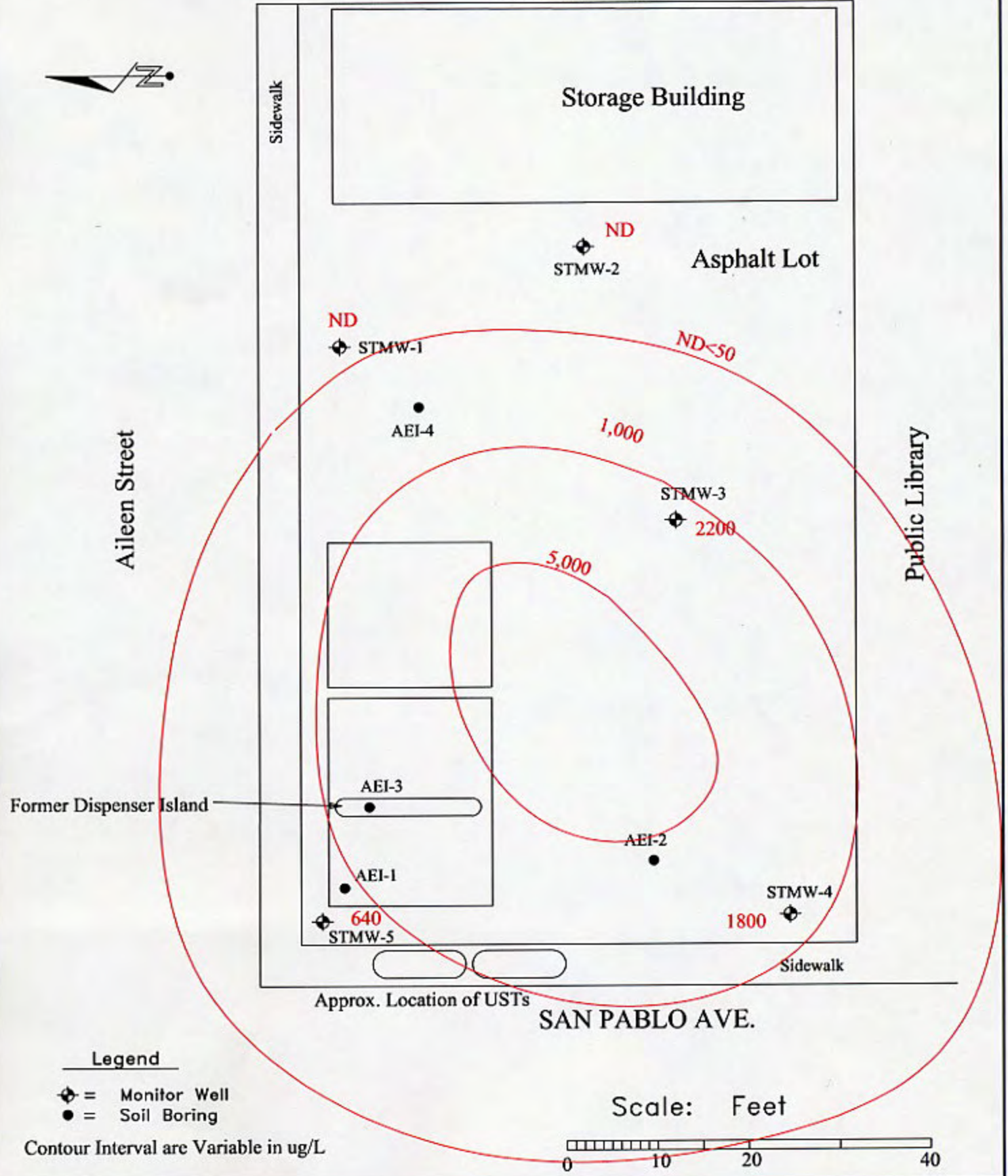


ENVIRO SOIL TECH CONSULTANTS

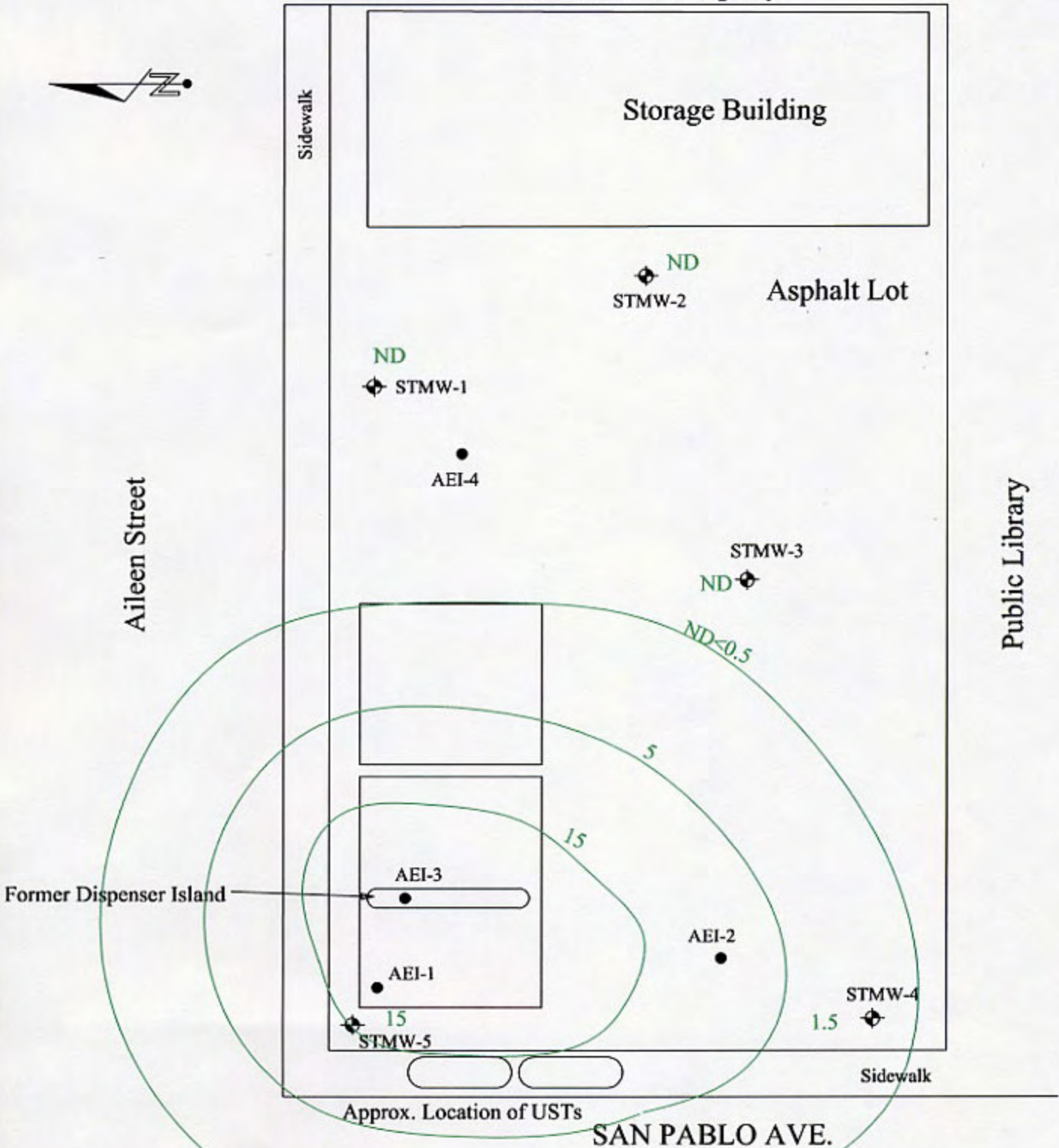
Figure 1



Residential Property



Residential Property

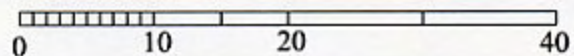


Legend

- ◆ = Monitor Well
- = Soil Boring

Contour Interval are Variable in ug/L

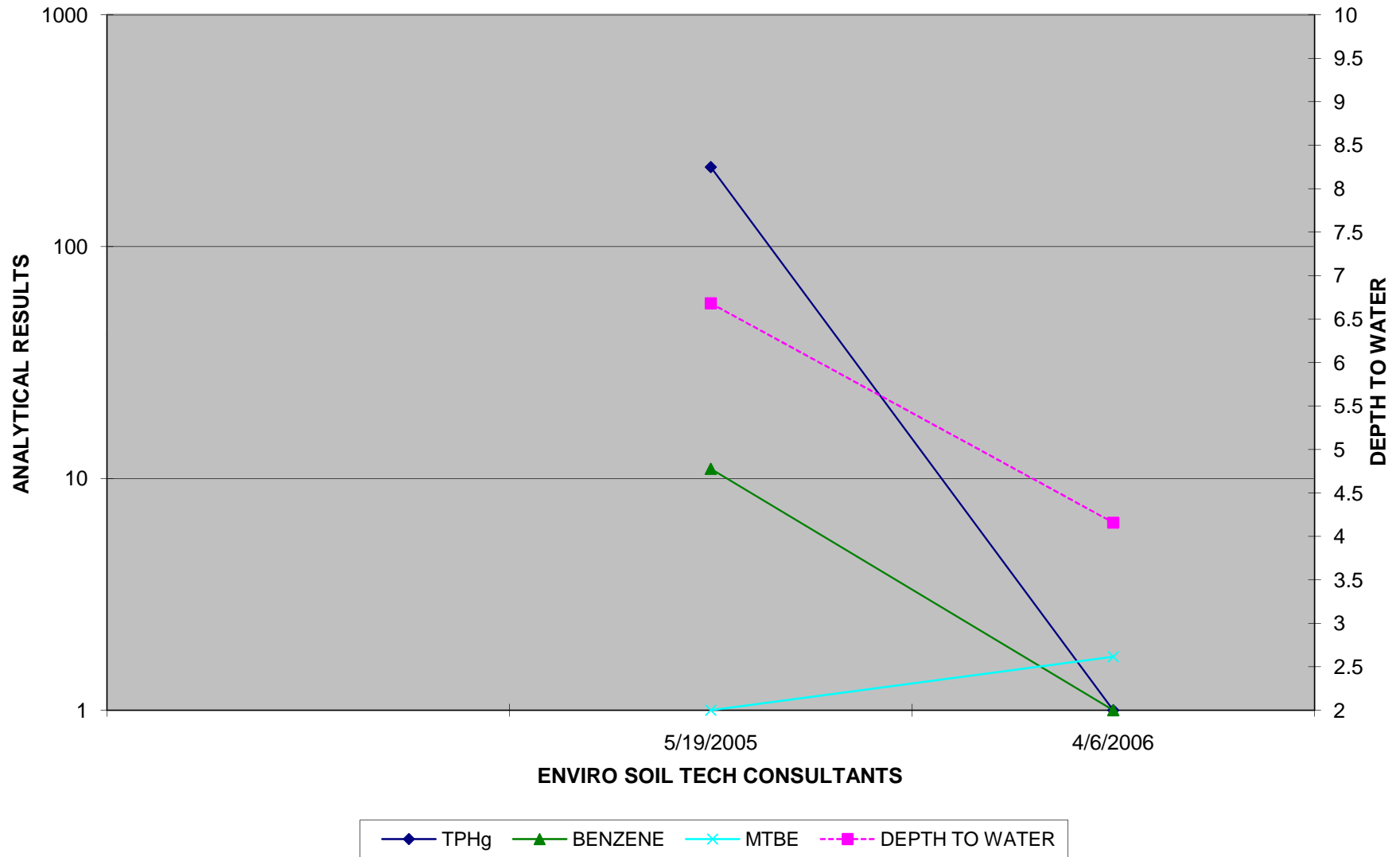
Scale: Feet



A P P E N D I X "C"

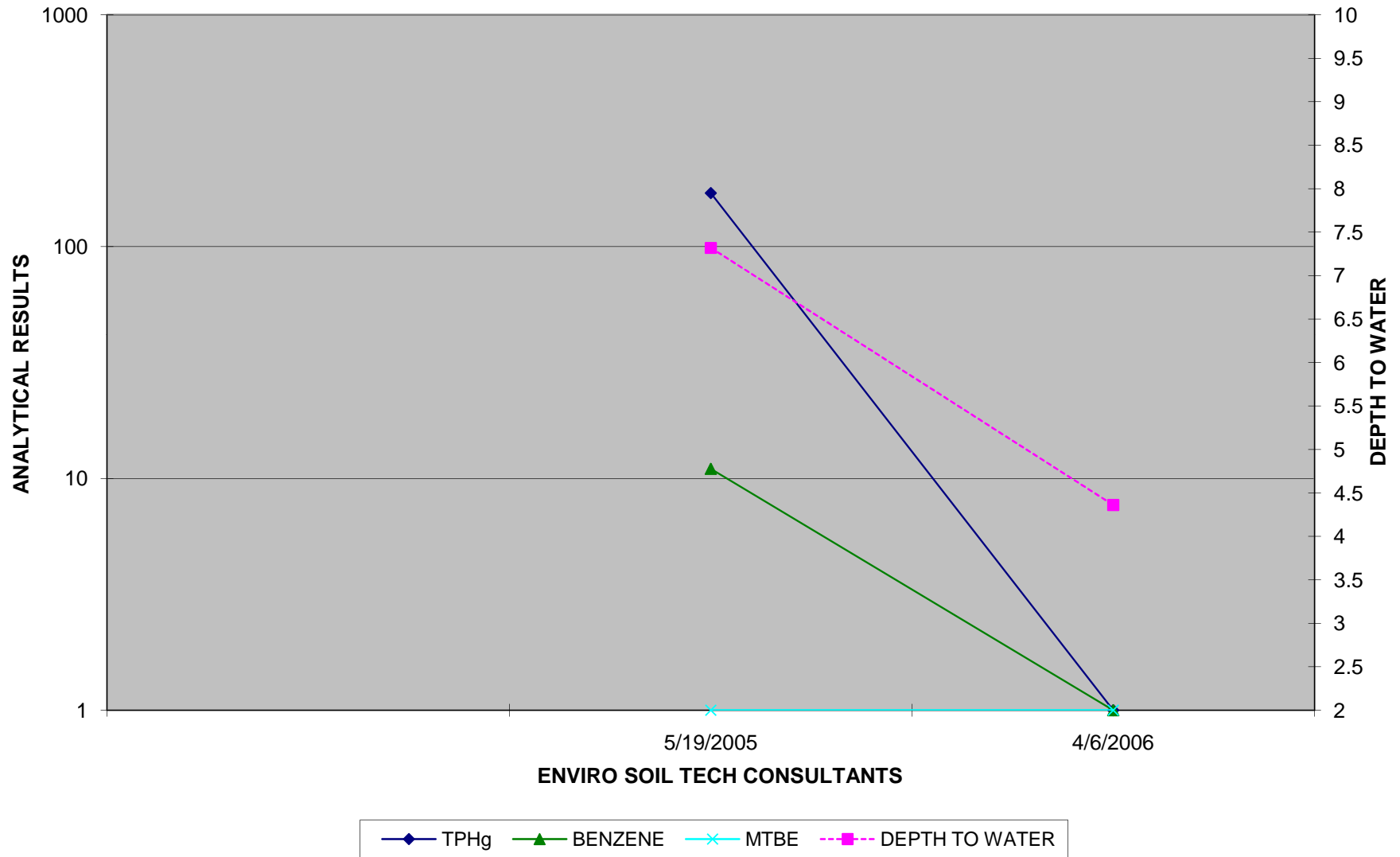
HYDROGRAPHS

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



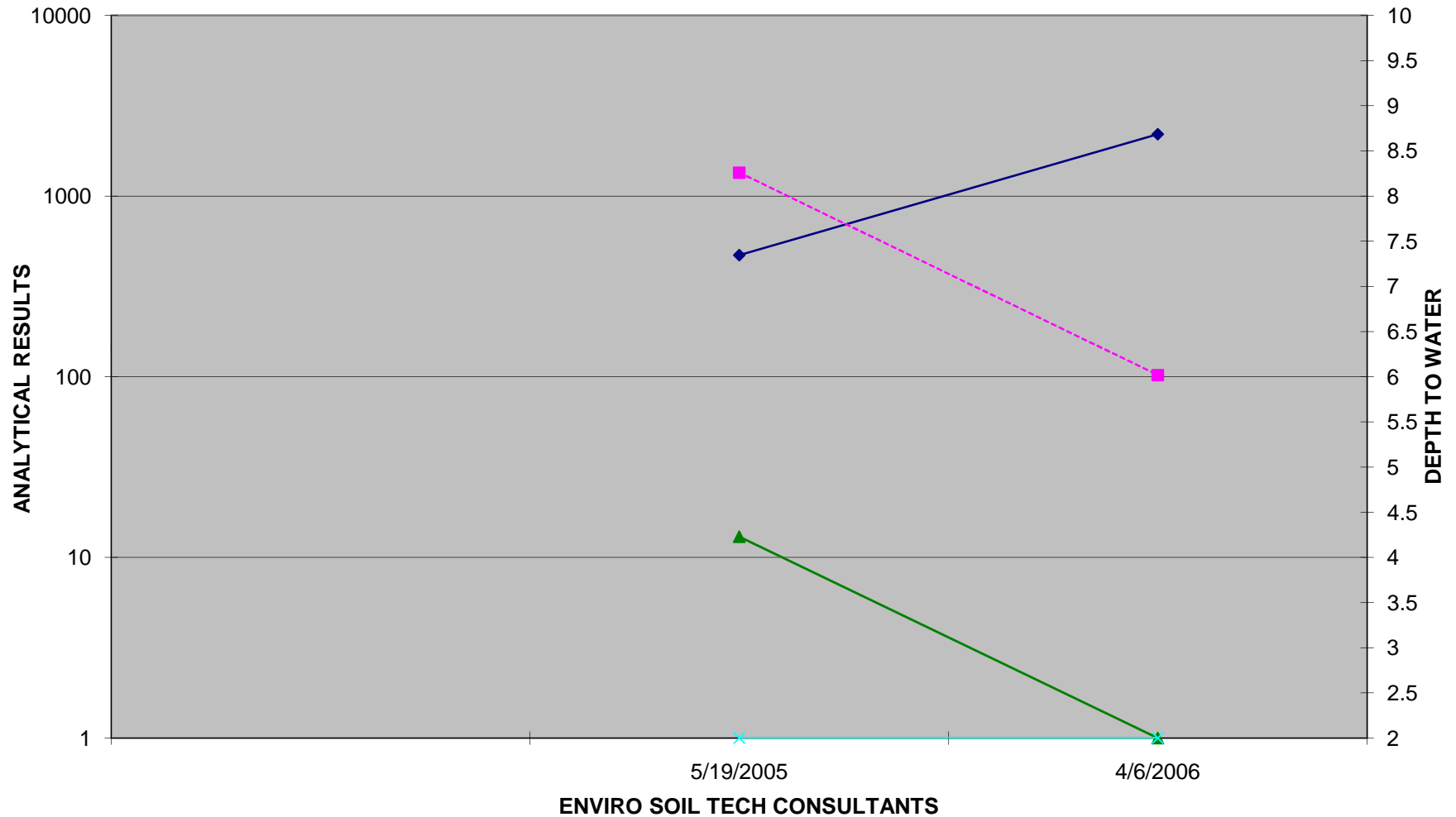
ENVIRO SOIL TECH CONSULTANTS

File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-2 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)



ENVIRO SOIL TECH CONSULTANTS

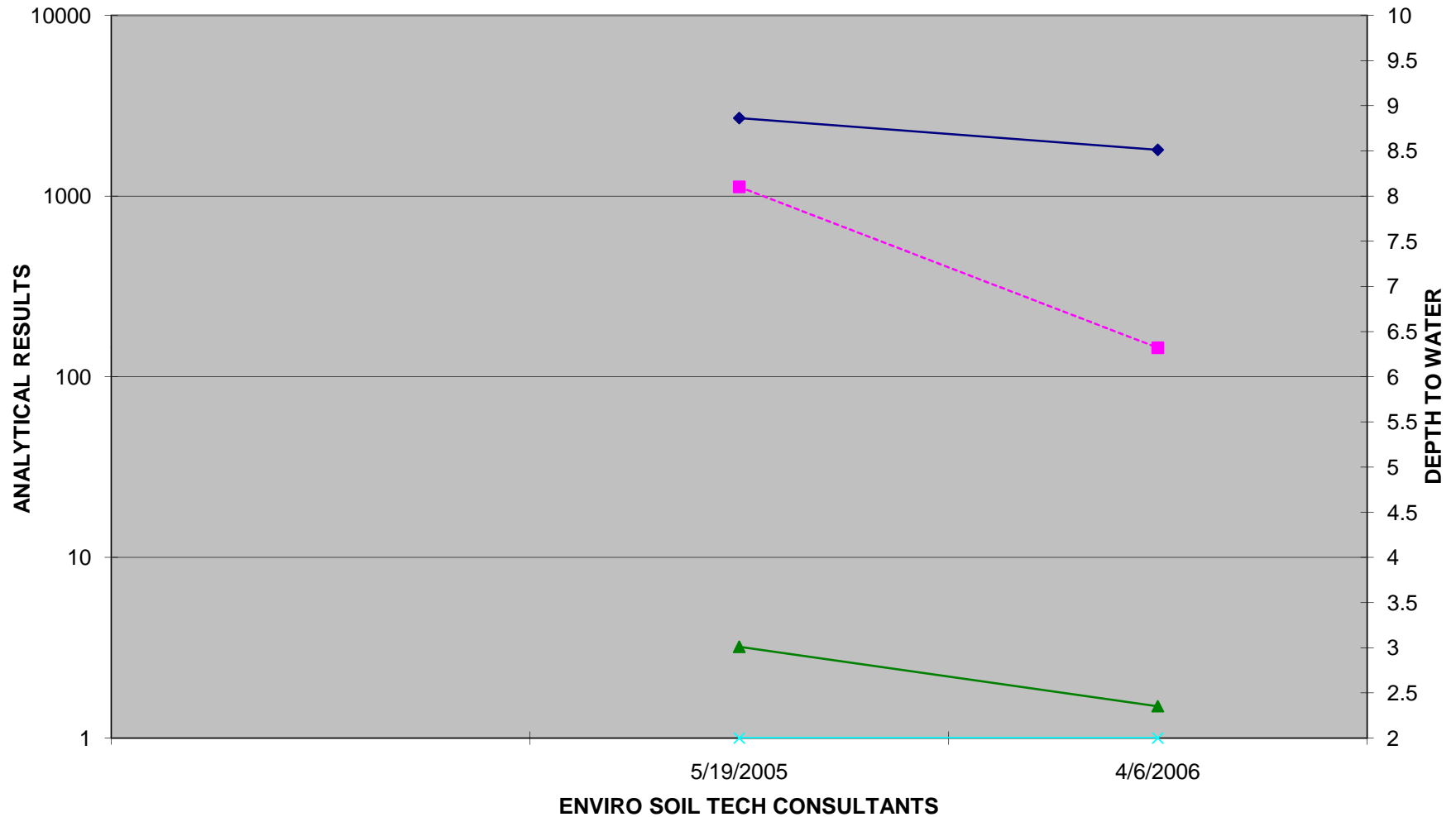
File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-3 (µg/L)
AND DEPTH TO WATER MEASUREMENT (feet)



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

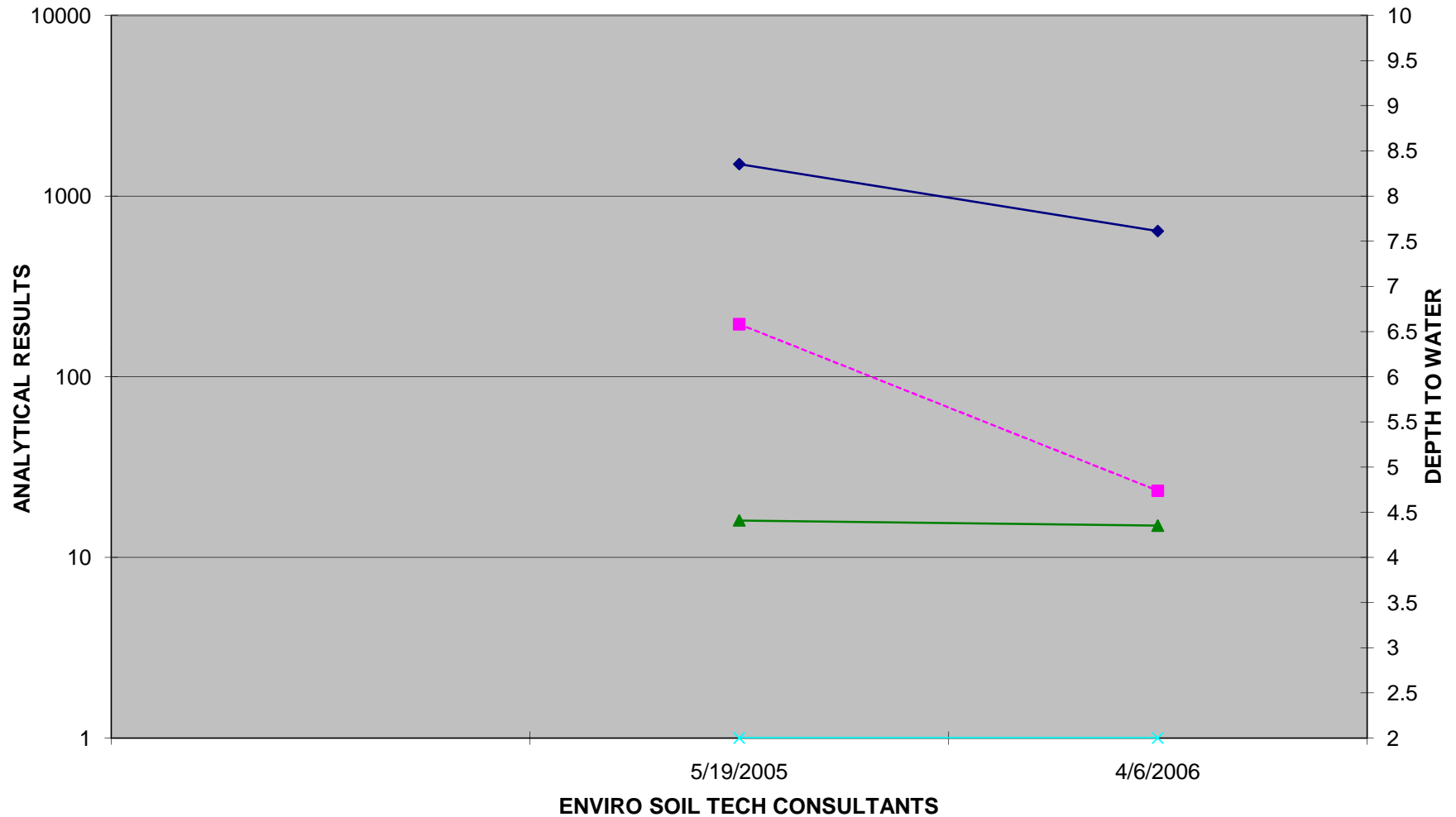
ENVIRO SOIL TECH CONSULTANTS

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 ($\mu\text{g/L}$)
AND DEPTH TO WATER MEASUREMENT (feet)



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

ENVIRO SOIL TECH CONSULTANTS

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.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

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

Lab Certificate Number: 48877

Issued: 04/20/2006

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

Certificate of Analysis - Final Report

On April 07, 2006, 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	EPA 8260B for Groundwater and Water - EPA 624 for Wastewater TPH-Extractable Volatile-GC

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

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: 04/07/2006

Sample Collected by: Client

Lab #: 48877-001 Sample ID: STMW-1

Matrix: Liquid Sample Date: 4/6/2006

EPA 3510C - TPH-Extractable

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	4/9/2006	WD060409B	4/12/2006	WD060409B
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JHsiang	
o-Terphenyl	97.2		22	- 133				Reviewed by: ECunniffe	

EPA 5030C - Volatile-GC

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		WGC060412
Surrogate	Surrogate Recovery		Control Limits (%)					NEEDS TO BE ENTERED	
4-Bromofluorobenzene	84.0		65	- 135				Reviewed by: dba	

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 Hamed

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-001 Sample ID: STMW-1

Matrix: Liquid Sample Date: 4/6/2006

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	4/18/2006	WM1060418
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	4/18/2006	WM1060418
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Acetone	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418

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

4/20/2006 5:16:36 PM - dba

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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: 04/07/2006

Sample Collected by: Client

Lab #: 48877-001 Sample ID: STMW-1

Matrix: Liquid Sample Date: 4/6/2006

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	4/18/2006	WM1060418
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Iodomethane	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Methyl-t-butyl Ether	1.7		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
trans-1,4-Dichloro-2-butene	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.3	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	98.0	60 - 130

Analyzed by: XBian

Reviewed by: dba

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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: 04/07/2006

Sample Collected by: Client

Lab #: 48877-002 Sample ID: STMW-2

Matrix: Liquid Sample Date: 4/6/2006

EPA 3510C - TPH-Extractable

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	4/9/2006	WD060409B	4/12/2006	WD060409B
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: JHsiang	
o-Terphenyl	79.5		22	- 133				Reviewed by: ECunniffe	

EPA 5030C - Volatile-GC

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		WGC060412
Surrogate	Surrogate Recovery		Control Limits (%)					NEEDS TO BE ENTERED	
4-Bromofluorobenzene	85.6		65	- 135				Reviewed by: dba	

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-002 Sample ID: STMW-2

Matrix: Liquid Sample Date: 4/6/2006

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	4/18/2006	WM1060418
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	4/18/2006	WM1060418
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Acetone	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418

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

4/20/2006 5:16:36 PM - dba

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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: 04/07/2006

Sample Collected by: Client

Lab #: 48877-002 Sample ID: STMW-2

Matrix: Liquid Sample Date: 4/6/2006

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	4/18/2006	WM1060418
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Iodomethane	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	4/18/2006	WM1060418
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
trans-1,4-Dichloro-2-butene	ND		1.0	1.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	4/18/2006	WM1060418
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	4/18/2006	WM1060418

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.2	60 - 130
Dibromofluoromethane	110	60 - 130
Toluene-d8	94.5	60 - 130

Analyzed by: XBian

Reviewed by: dba

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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: 04/07/2006

Sample Collected by: Client

Lab #: 48877-003 Sample ID: STMW-3

Matrix: Liquid Sample Date: 4/6/2006

EPA 3510C - TPH-Extractable

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	4/9/2006	WD060409B	4/12/2006	WD060409B
810ppb hydrocarbon (C8-C36). No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	74.6	22 - 133

Analyzed by: JHsiang

Reviewed by: dba

EPA 5030C - Volatile-GC

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2200		5.0	250	µg/L	N/A	N/A		WGC060412

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	361 ***	65 - 135

NEEDS TO BE ENTERED

Reviewed by: dba

*** Surrogate recovery out of control limits dueto matrix intrerference.

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-003 Sample ID: STMW-3

Matrix: Liquid Sample Date: 4/6/2006

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	4/19/2006	WM1060419
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	4/19/2006	WM1060419
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
Acetone	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419

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

4/20/2006 5:16:37 PM - dba

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-003

Sample ID: STMW-3

Matrix: Liquid Sample Date: 4/6/2006

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	4/19/2006	WM1060419
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Iodomethane	ND		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Methyl-t-butyl Ether	1.0		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
trans-1,4-Dichloro-2-butene	ND		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060419

Sample contains high concentration of non-target compounds.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	111	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	93.5	60 - 130

Analyzed by: XBian

Reviewed by: dba

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-004 Sample ID: STMW-4

Matrix: Liquid Sample Date: 4/6/2006

EPA 3510C - TPH-Extractable

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	4/9/2006	WD060409B	4/12/2006	WD060409B
1300ppb hydrocarbons (C8-C18). No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	68.4	22 - 133

Analyzed by: JHsiang

Reviewed by: ECunniffe

EPA 5030C - Volatile-GC

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1800		5.0	250	µg/L	N/A	N/A		WGC060412

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	647 ***	65 - 135

NEEDS TO BE ENTERED

Reviewed by: dba

*** Surrogate recovery out of control limits due to matrix interference.

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-004 Sample ID: STMW-4

Matrix: Liquid Sample Date: 4/6/2006

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	4/19/2006	WM1060419
1,1,1-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1,2-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,1-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,3-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,3-Trichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,4-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2,4-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dibromo-3-Chloropropane	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dibromoethane (EDB)	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,3,5-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
1,3-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,3-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,4-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
1,4-Dioxane	ND		2.0	100	µg/L	N/A	N/A	4/19/2006	WM1060419
2,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Butanone (MEK)	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Chloroethyl-vinyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
2-Hexanone	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
4-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
4-Methyl-2-Pentanone(MIBK)	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
Acetone	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
Acetonitrile	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Acrolein	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Acrylonitrile	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Benzene	1.5		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Benzyl Chloride	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromobenzene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromodichloromethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromoform	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Bromomethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Carbon Disulfide	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Carbon Tetrachloride	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Chlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Chloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Chloroform	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Chloromethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419

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

4/20/2006 5:16:37 PM - dba

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Attn: Frank Hamed

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-004 Sample ID: STMW-4

Matrix: Liquid Sample Date: 4/6/2006

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	4/19/2006	WM1060419
cis-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Cyclohexanone	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
Dibromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Dibromomethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Dichlorodifluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Diisopropyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Ethyl Benzene	1.1		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Freon 113	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Hexachlorobutadiene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Iodomethane	ND		2.0	2.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Isopropanol	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
Isopropylbenzene	41		2.0	2.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Methyl-t-butyl Ether	ND		2.0	2.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Methylene Chloride	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
n-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
n-Propylbenzene	23		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Naphthalene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
p-Isopropyltoluene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Pentachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
sec-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Styrene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Amyl Methyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Butanol (TBA)	ND		2.0	20	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Butyl Ethyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
tert-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Tetrachloroethene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Tetrahydrofuran	ND		2.0	40	µg/L	N/A	N/A	4/19/2006	WM1060419
Toluene	1.4		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
trans-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
trans-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
trans-1,4-Dichloro-2-butene	ND		2.0	2.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Trichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Trichlorofluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Vinyl Acetate	ND		2.0	10	µg/L	N/A	N/A	4/19/2006	WM1060419
Vinyl Chloride	ND		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419
Xylenes, Total	3.5		2.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060419

Sample diluted due to high concentration of non-target compounds.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	104	60 - 130

Analyzed by: XBian

Reviewed by: dba

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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: 04/07/2006

Sample Collected by: Client

Lab #: 48877-005 Sample ID: STMW-5

Matrix: Liquid Sample Date: 4/6/2006

EPA 3510C - TPH-Extractable

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	4/9/2006	WD060409B	4/12/2006	WD060409B
300ppb hydrocarbons (C8-C18). No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	79.6	22 - 133

Analyzed by: JHsiang

Reviewed by: ECunniffe

EPA 5030C - Volatile-GC

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	640		1.0	50	µg/L	N/A	N/A		WGC060412

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	192 ***	65 - 135

NEEDS TO BE ENTERED

Reviewed by: dba

*** Surrogate recovery out of control limits due to matrix interference.

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Attn: Frank Hamed

Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-005

Sample ID: STMW-5

Matrix: Liquid Sample Date: 4/6/2006

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	4/19/2006	WM1060418
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	4/19/2006	WM1060418
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
Acetone	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Benzene	15		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418

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

4/20/2006 5:16:37 PM - dba

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Project Number: 12-04-770GI

Project Location: 5630 San Pablo Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 04/07/2006

Sample Collected by: Client

Lab #: 48877-005 Sample ID: STMW-5

Matrix: Liquid Sample Date: 4/6/2006

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	4/19/2006	WM1060418
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Ethyl Benzene	0.91		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Iodomethane	ND		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
Isopropylbenzene	7.1		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	4/19/2006	WM1060418
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	4/19/2006	WM1060418
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
trans-1,4-Dichloro-2-butene	ND		1.0	1.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	4/19/2006	WM1060418
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	4/19/2006	WM1060418

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.8	60 - 130
Dibromofluoromethane	106	60 - 130
Toluene-d8	97.9	60 - 130

Analyzed by: XBian

Reviewed by: dba

Entech Analytical Labs, Inc.

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Method Blank - Liquid - TPH-Extractable

QC/Prep Batch ID: WD060409B

Validated by: ECunniffe - 04/12/06

QC/Prep Date: 4/9/2006

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	79.1	22 - 133

Entech Analytical Labs, Inc.

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Method Blank - Liquid - Volatile-GC

QC Batch ID: WGC060412

Validated by: dba - 04/14/06

QC Batch Analysis Date: 4/12/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	89.1	65 - 135

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1060418

Validated by: TFulton - 04/19/06

QC Batch Analysis Date: 4/18/2006

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	0.50	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
Dichlorodifluoromethane	ND	1	0.50	µg/L

Entech Analytical Labs, Inc.

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Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1060418

Validated by: TFulton - 04/19/06

QC Batch Analysis Date: 4/18/2006

Parameter	Result	DF	PQLR	Units
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	1.0	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	1.0	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	94.1	70 - 125
Dibromofluoromethane	106	70 - 125
Toluene-d8	96.4	70 - 125

Entech Analytical Labs, Inc.

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Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1060419

Validated by: dba - 04/20/06

QC Batch Analysis Date: 4/19/2006

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	0.50	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
Dichlorodifluoromethane	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 - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1060419

Validated by: dba - 04/20/06

QC Batch Analysis Date: 4/19/2006

Parameter	Result	DF	PQLR	Units
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	1.0	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	1.0	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	96.7	70 - 125
Dibromofluoromethane	105	70 - 125
Toluene-d8	97.2	70 - 125

Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - TPH-Extractable

QC Batch ID: WD060409B

Reviewed by: ECunniffe - 04/13/06

QC/Prep Date: 4/9/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	730	µg/L	73.0	40 - 138
TPH as Motor Oil	<200	1000	737	µg/L	73.7	40 - 138
Surrogate	% Recovery	Control Limits				
o-Terphenyl	79.2	22 - 133				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	769	µg/L	76.9	5.2	25.0	40 - 138
TPH as Motor Oil	<200	1000	760	µg/L	76.0	3.0	25.0	40 - 138
Surrogate	% Recovery	Control Limits						
o-Terphenyl	74.8	22 - 133						

Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - Volatile-GC

QC Batch ID: WGC060412

Reviewed by: dba - 04/14/06

QC Batch ID Analysis Date: 4/12/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	114	µg/L	91.2	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	109.0	65 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	104	µg/L	83.2	9.2	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.2	65 - 135

Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1060418

Reviewed by: TFulton - 04/19/06

QC Batch ID Analysis Date: 4/18/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.5	µg/L	92.5	70 - 130
Benzene	<0.50	20	20.2	µg/L	101	70 - 130
Chlorobenzene	<0.50	20	20.8	µg/L	104	70 - 130
Toluene	<0.50	20	19.5	µg/L	97.5	70 - 130
Trichloroethene	<0.50	20	20.3	µg/L	102	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	95.7	60 - 130
Dibromofluoromethane	105.0	60 - 130
Toluene-d8	93.3	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.7	µg/L	93.5	1.1	25.0	70 - 130
Benzene	<0.50	20	20.5	µg/L	102	1.5	25.0	70 - 130
Chlorobenzene	<0.50	20	20.9	µg/L	104	0.48	25.0	70 - 130
Toluene	<0.50	20	20.0	µg/L	100	2.5	25.0	70 - 130
Trichloroethene	<0.50	20	20.4	µg/L	102	0.49	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	94.8	60 - 130
Dibromofluoromethane	105.0	60 - 130
Toluene-d8	93.9	60 - 130

Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1060419

Reviewed by: dba - 04/20/06

QC Batch ID Analysis Date: 4/19/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.6	µg/L	93.0	70 - 130
Benzene	<0.50	20	20.6	µg/L	103	70 - 130
Chlorobenzene	<0.50	20	21.0	µg/L	105	70 - 130
Toluene	<0.50	20	20.2	µg/L	101	70 - 130
Trichloroethene	<0.50	20	20.6	µg/L	103	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.4	60 - 130
Dibromofluoromethane	105.0	60 - 130
Toluene-d8	93.4	60 - 130

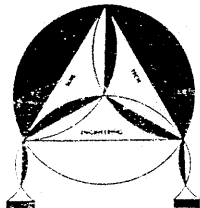
LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.0	µg/L	100	7.3	25.0	70 - 130
Benzene	<0.50	20	22.1	µg/L	110	7.0	25.0	70 - 130
Chlorobenzene	<0.50	20	22.5	µg/L	112	6.9	25.0	70 - 130
Toluene	<0.50	20	21.6	µg/L	108	6.7	25.0	70 - 130
Trichloroethene	<0.50	20	22.2	µg/L	111	7.5	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	94.9	60 - 130
Dibromofluoromethane	105.0	60 - 130
Toluene-d8	93.8	60 - 130

CHAIN OF CUSTODY RECORD

PROJ. NO. 12-04-770-4		NAME 5630 San Pablo Avenue, Oakland			CON-TAINER	ANALYSES REQUESTED 1) PHG by 8015 2) PHG by 8015 EPA 8260B	REMARKS
SAMPLERS: (Signature) Richard Mander 48876							
NO.	DATE	TIME	SOIL	WATER	LOCATION	CON-TAINER	REMARKS
1	4/06/06	001		✓	STMW-1	6	
2		002		✓	STMW-2	6	
3		003		✓	STMW-3	6	
4		004		✓	STMW-4	6	
5		005		✓	STMW-5	6	* Full Lists *
							* All vials are HCL preserved *
Relinquished by: (Signature) Richard Mander		Date / Time 4/7/06 1410	Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) <i>[Signature]</i>		Date / Time 4/7/06 1432	Received by: (Signature) Richard		Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) <i>[Signature]</i>		Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks Please send lab report to Frank Hamedi	

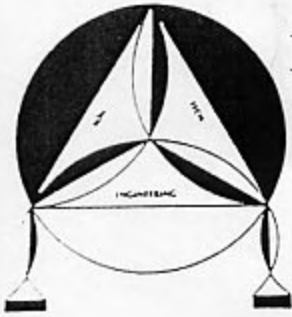


ENVIRO SOIL TECH CONSULTANTS

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

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131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GT

DATE: 4-06-06

DEPTH TO WELL: _____

DEPTH TO WATER: 4^{ft} .16

HEIGHT OF WATER COLUMN: _____

WELL NO.: SI MW-1

SAMPLER: Richard Munley

1 WELL VOLUME: 2.6

5 WELL VOLUME: 13

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: 2" 4"

CALCULATIONS:

2" x 0.1632 15.84

4" x 0.653 _____

PURGE METHOD: BAILER DISPLACEMENT PUMP OTHER

SAMPLE METHOD: BAILER OTHER

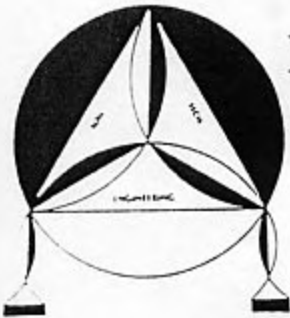
SHEEN: NO YES, DESCRIBE: _____

ODOR: NO YES, DESCRIBE: _____

FIELD MEASUREMENTS

TIME	VOLUME	Ph	TEMP.	E.C.
	3 GAL	7.49	15.7	564
	6 GAL	7.03	16.1	573
	9 GAL	7.15	16.2	555

5th .64



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GI

DATE: 4-06-06

DEPTH TO WELL: _____

DEPTH TO WATER: 4^{ft}.36

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-2

SAMPLER: Pushed Manifold

1 WELL VOLUME: 2.6

5 WELL VOLUME: 13

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: 2" _____

_____ 4"

CALCULATIONS:

2" x 0.1632 15.64

4" x 0.653 _____

PURGE METHOD: _____ BAILER DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: BAILER _____ OTHER

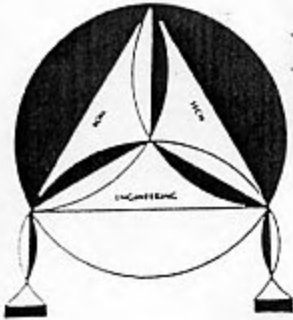
SHEEN: _____ NO YES, DESCRIBE: Rain Bow

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>7.72</u>	<u>15.5</u>	<u>408</u>
_____	<u>6 gAL</u>	<u>7.67</u>	<u>15.8</u>	<u>433</u>
_____	<u>9 gAL</u>	<u>7.58</u>	<u>16.1</u>	<u>427</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

5^{ft}.88



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GT

DATE: 4-06-06

DEPTH TO WELL: _____

DEPTH TO WATER: 6^{ft} .02

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-3

SAMPLER: Richard Mandy

1 WELL VOLUME: 2.3

5 WELL VOLUME: 11.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: 2" 4"

CALCULATIONS:

2" x 0.1632 13.98

4" x 0.653 _____

PURGE METHOD: BAILER DISPLACEMENT PUMP OTHER

SAMPLE METHOD: BAILER OTHER

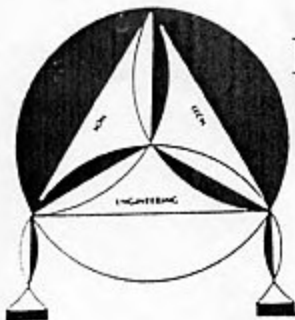
SHEEN: NO YES, DESCRIBE: Rain Now

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>7.92</u>	<u>16.3</u>	<u>420</u>
_____	<u>6 gAL</u>	<u>7.83</u>	<u>16.0</u>	<u>434</u>
_____	<u>9 gAL</u>	<u>7.47</u>	<u>16.1</u>	<u>461</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

6^{ft} .68



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GT

DATE: 4-06-06

DEPTH TO WELL: _____

DEPTH TO WATER: 6^{ft} .32

HEIGHT OF WATER COLUMN: _____

WELL NO.: STM 6-4

SAMPLER: Richard Muehl

1 WELL VOLUME: 2.2

5 WELL VOLUME: 11

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" x 0.1632 13.68

4" x 0.653 _____

PURGE METHOD: _____ BAILER _____ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: _____ BAILER _____ OTHER

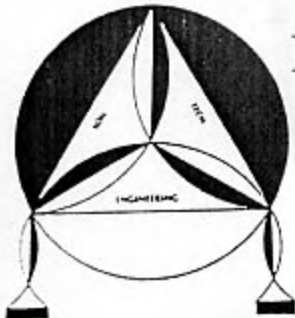
SHEEN: _____ NO ✓ YES, DESCRIBE: RAIN BOW

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>8.23</u>	<u>15.5</u>	<u>471</u>
_____	<u>6 gAL</u>	<u>7.91</u>	<u>15.6</u>	<u>505</u>
_____	<u>9 gAL</u>	<u>7.57</u>	<u>15.4</u>	<u>560</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

7⁸¹ .06



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Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 12-04-770-GI

DATE: 4-06-06

DEPTH TO WELL: _____

DEPTH TO WATER: 4^{ft} 1.74

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMAW-5

SAMPLER: Quikwal Manly

1 WELL VOLUME: 2.5

5 WELL VOLUME: 12.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" x 0.1632 15.26

4" x 0.653 _____

PURGE METHOD: BAILER DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: BAILER _____ OTHER

SHEEN: NO YES, DESCRIBE: Rain Bow

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>7.57</u>	<u>17.8</u>	<u>627</u>
_____	<u>6 gAL</u>	<u>7.43</u>	<u>17.1</u>	<u>618</u>
_____	<u>9 gAL</u>	<u>7.42</u>	<u>17.0</u>	<u>606</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

5^{ft} .98