HEMMAT & DOKHANCHY ASSOCIATES
1721 BROADWAY, SUITE 204
OAKLAND, CALIFORNIA 94612
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510.451.1200
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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: Preliminary Investigation and Evaluation Report for Former Mohawk Oil Company
5630 San Pablo Avenue, Oakland, California

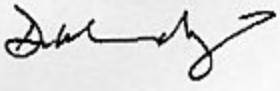
Dear Ms. Drogos:

Enclosed are copies of the report dated July 25, 2007, concerning the preliminary investigation and evaluations of the reference 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
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File No. 12-04-770-GI

PRELIMINARY INVESTIGATION AND EVALUATION REPORT FOR FORMER MOHAWK OIL COMPANY LOCATED AT 5630 SAN PABLO AVENUE OAKLAND, CALIFORNIA JULY 25, 2007

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

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

ENVIRO SOIL TECH CONSULTANTS

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ENVIRO SOIL TECH CONSULTANTS

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

July 25, 2007

File No. 12-04-770-GI

Mr. Ed Hemmat
3840 San Pablo Avenue
Emeryville, California 94608

SUBJECT: PRELIMINARY INVESTIGATION AND EVALUATION REPORT FORMER MOHAWK OIL COMPANY
Located at 5630 San Pablo Avenue, in
Oakland, California

Dear Mr. Hemmat:

In accordance with the site assessment work plan submitted to the Alameda County Health Care Services Agency, Environmental Health Division (ACHCSAEHD) by AEI Consultants in December 2000, per your request and authorization, Enviro Soil Tech Consultants (ESTC) installed five groundwater monitoring wells at the referenced site in May 2005. Now that payment issues regarding this work have been resolved, ESTC is pleased to transmit our findings in this Preliminary Investigation and Evaluation Report (PIER). Our report has been prepared in accordance with the *Tri-Regional Board Recommendations for Preliminary Assessment of Underground Tank Sites*.

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 yours,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMEDI
GENERAL MANAGER

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

VICTOR B. CHERVEN, Ph.D.
P.G. #3475

PRELIMINARY INVESTIGATION AND EVALUATION REPORT
For Former Mohawk Oil Company
5630 San Pablo Avenue
Oakland, California

1.0 INTRODUCTION

1.1 Site Location and Description

The site is located at the intersection of San Pablo Avenue and Aileen Street (Figure 1). Figure 2 is a map of the site, and shows the location of the underground storage tanks and dispensers and the wells that were drilled in our investigation, as well as the borings that were drilled previously by AEI Consultants.

1.2 Background

In June of 2000, AEI Consultants conducted a preliminary environmental investigation at 5630 San Pablo Avenue in Oakland. After reviewing the results of that investigation the Environmental Health Division of the Alameda County Health Care Services Agency, which is the lead agency responsible for regulatory oversight of the investigation and cleanup of environmental contamination resulting from leaks or spills of hazardous substances on private and public property in the County, identified Mr. Don Rosenberg and Mrs. Rita Robinson as Responsible Parties for further investigation of reported petroleum contamination at the site. The ACHCSA requested the RP's to submit a work plan for additional investigation, and AEI Consultants submitted the plan in December 2000. The work plan was approved by ACHCSA in February 2001, but the RP's did not authorize the consultant to perform the work at that time.

The property was subsequently sold to Mr. Jacky Li in 2002, who used it for storage of equipment and supplies until putting it up for sale in 2003. The potential buyer retained International Geologic to conduct a Phase I property transfer assessment in June of that year. The Phase I assessment did not include any sample collection or analysis.

The current property owner, Mr. Ed Hemmat, retained Enviro Soil Tech Consultants (ESTC) in early 2005 to implement the original work plan that had been submitted by AEI Consultants in 2000. The work was performed in May 2005, but payment was delayed and the results were withheld pending receipt of the invoiced amount. That issue has now been resolved, and this report presents the results of the work.

2.0 SCOPE OF WORK

Our investigation included seven tasks. This scope of work was requested and approved by the ACHCSA. These tasks are summarized below.

- Obtain the necessary drilling permits from Alameda County Public Works Agency-Water Resources Section (ACPWA-WRS) to perform the drilling investigation.
- Mobilize a drilling rig to the site to drill and sample five soil borings.
- Convert the borings into groundwater monitoring wells.
- Survey the locations and elevations of the monitoring wells.
- Develop, purge, and sample the monitoring wells.

- Submit the soil and groundwater samples from the borings to a state-certified analytical laboratory for analysis. The analyses included Total Petroleum Hydrocarbons in the gasoline and diesel ranges (TPHg and TPHd), volatile aromatic hydrocarbons (Benzene, Toluene, Ethylbenzene, and Total Xylenes [BTEX]), and gasoline oxygenates (MTBE, TBA, ETBE, TAME, and DIPE).

- Analyze the results and prepare a PIER report.

3.0 LOCAL HYDROGEOLOGY

The site lies in an area referred to as the East Bay Plain groundwater basin, which is bounded on the east by the Berkeley Hills and on the west by San Francisco Bay. Groundwater is recharged in the hills east of the city and flows predominantly westward toward San Francisco Bay through unconsolidated Pleistocene alluvial sediment in the shallow upper aquifer, as well as through more indurated Tertiary sediment in deeper aquifers.

The borings drilled at the site by AEI Consultants in 2000 encountered approximately 13 feet of fine-grained sediment overlying at least 7 feet of coarser-grained deposits. The fine-grained material ranged from clay to sandy clay, and the coarse-grained sediment ranged between sand and gravel.

4.0 FIELD PROCEDURES

Field work was conducted on May 4 and 5, 2005. Vironex mobilized a trailer-mounted direct-push (Geoprobe®) drilling rig and drilled five borings (Figure 2). Soil samples were collected in continuous polyethylene tubes for examination and lithologic description, and a field engineer from ESTC logged, described, and sampled the cores.

The boring logs are included in Appendix "D". The cores were examined for evidence of hydrocarbon staining or odors, and were sampled at 5-foot intervals at depths of 5, 10, and 15 feet below surface grade. A total of 15 samples were sealed, capped, and labeled and then transmitted to Entech Environmental Laboratory for analysis.

The borings were converted to monitoring wells by replacing the direct-push drilling rods with hollow-stem augers and reaming out the borings to a diameter of 8 inches. Schedule 40 PVC casing was inserted into each boring and encased in a sand pack and grouted to the surface. The casing is screened from 5 to 20 feet below grade.

ESTC conducted the well development of the newly installed groundwater monitoring wells on May 15, 2005. The monitoring wells were developed by mechanical surging and bailing until the water was reasonably free of sediment. The development equipment was steam cleaned prior to usage for each well to reduce the potential for cross-contamination. The purged water was temporarily stored on-site in labeled drums pending the results of laboratory analyses.

On May 19, 2005, 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 "C") and ACHCSA-EHS guidelines.

All samples were analyzed using EPA method 8015 to detect Total Petroleum Hydrocarbons (TPHg and TPHd) and EPA method 8260 to detect all other analytes of concern. The laboratory results are summarized in Tables 1 and 2 (Appendix "A"), and the laboratory reports are contained in Appendix "F".

5.0 SOIL TYPES AND LABORATORY RESULTS

A variety of soil types were encountered in each boring. Beds are thinner than 5 feet and include fine-grained units such as silty clay in a variety of colors (black, brown, grayish brown, reddish brown, yellowish brown) and sandy to gravelly clay (grayish or yellowish brown). Coarser beds are also present, ranging from clayey, fine- to coarse-grained sand (light brown to yellowish brown) to clayey, sandy gravel (yellowish brown). Finer-grained beds are present in the upper few feet in all borings, and no coarse-grained beds are present above 10 feet below surface grade. A gravel bed is present in the eastern part of the site and occurs at 13 feet below grade in STMW-1 and STMW-2. Clayey to gravelly sand occurs at this depth in STMW-3 and STMW-5, and darker sandy clay occurs at this depth in STMW-4, so it is uncertain whether the gravel bed trends westward from STMW-1 and STMW-2 toward the other borings. Gravelly sand to sandy gravel is present below 15 feet in STMW-3 and STMW-4, but gray-brown gravelly clay is present at this depth in STMW-1 and STMW-2.

Fifteen soil samples were preserved for laboratory analysis, and the results are shown in Table 1 (Appendix "A"). No gasoline oxygenates were detected in any of the samples, but two volatile aromatic hydrocarbons (Ethylbenzene and Total Xylenes) were detected at very low concentrations in five samples, and the Total Petroleum Hydrocarbon concentration exceeded the 50 mg/Kg (milligram per kilogram) reporting limit in all five of these samples. The laboratory also reported TPHg at concentrations that are below the required detection limit in three other samples. In five of the eight samples, the laboratory noted that the TPHg chromatogram was depleted in the low-molecular weight volatile components such as Benzene, and interpreted the chromatograms as indicative of old, degraded gasoline. In addition, the laboratory analyzed the samples for diesel fuel and found that the chromatograms do no match the diesel standard but do contain some lightweight hydrocarbons whose presence suggests weathered gasoline.

6.0 GROUNDWATER LABORATORY RESULTS

Gasoline odor or hydrocarbon sheen was observed in two of the water samples when they were collected, and gasoline was detected in all five samples (Table 2). Concentrations ranged from 170 µg/L (microgram per liter) to 2700 µg/L. Concentrations increased westward, or toward the location of the underground storage tanks, from STMW-1 and STMW-2 to STMW-4 and STMW-5 (Figure 3). Gasoline oxygenates were not detected, but volatile aromatic hydrocarbons (BTEX) were reported in all of the samples. The concentrations were lower than could be detected in soil samples. Benzene concentrations ranged from 3.2 µg/L to 13 µg/L, and the total BTEX concentration ranged from 9.8 to 57.9 µg/L. Interestingly, BTEX concentrations increased in the opposite direction: eastward from STMW-4 toward STMW-2.

The laboratory did detect some hydrocarbons in the C8-C18 range, but the chromatograms did not match the diesel standard and the laboratory concluded that diesel fuel was not present.

7.0 GROUNDWATER FLOW DIRECTION

Measured groundwater depths were converted to elevations above sea level by subtracting the depth from the surveyed casing elevations, and are shown in Table 2. The elevation data were then contoured to depict the water table and determine the groundwater flow direction and hydraulic gradient (Figure 2).

The water table was highest in STMW-1 and lowest in STMW-3, implying that the water table sloped to the south and that groundwater was flowing in that direction in May of 2005. However, the water table was not completely flat, and near the western edge of the site it appears that it sloped eastward from STMW-4. This created a slight depression in the water table between STMW-3 and STMW-4. In this area, the groundwater flow direction may have been eastward or southeastward.

The hydraulic gradient, measured between STMW-1 and STMW-3, was 0.031 ft/ft, which is rather steep.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Laboratory data indicate that the soil has been impacted by a release of gasoline, and that the hydrocarbons subsequently spread to groundwater. The characteristics of the water samples imply that the leak occurred prior to the introduction of gasoline oxygenates, and that since then it has been degraded by natural processes, resulting in a

decrease in the proportion of the more volatile compounds. This observation fits well with the fact that the storage tanks were removed in 1967, more than 10 years before MTBE or other oxygenates became widely used.

Gasoline concentrations are highest in the two wells that are located closest to the former underground tanks. Although the regional groundwater flow direction is westward (from STMW-4 and STMW-5 toward San Pablo Avenue), the specific site data suggest that the local groundwater flow direction is southward from these wells toward the public library site (Figure 2). Thus, because it appears that gasoline hydrocarbons may be present in groundwater south of the site, ACHCSA might not consider the case for closure without further investigation. However, it should not be necessary to analyze additional samples for diesel fuel or gasoline oxygenates, neither of which is present.

9.0 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 properties.

This report is issued with the understanding that it is the responsibility of the owner or his/her representative to ensure that the information and recommendations contained herein are called to the attention of the Local Environmental Agency.

Services performed by ESTC have been in accordance with generally accepted environmental professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. This report is not meant to represent a legal opinion. No other warranty, express or implied is made.

A P P E N D I X "A"

TABLES

File No. 12-04-770-GI

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
5/19/05**a**	STMW-1 (41.92)*	20	5-20	6.68K	35.24	No sheen or odor	220	ND <50**b**	11	18	3.1	20	ND<1	NA	NA	NA	Not Analyzed
5/19/05**a**	STMW-2 (41.74)*	20	5-20	7.32K	34.42	No sheen or odor	170	ND <50**b**	11	18	3.5	21	ND<1	NA	NA	NA	Not Analyzed
5/19/05**a**	STMW-3 (42.01)*	20	5-20	8.26K	33.75	No sheen or odor	470	ND <50**b**	13	18	4.9	22	ND<1	NA	NA	NA	Not Analyzed
5/19/05**a**	STMW-4 (42.48)*	20	5-20	8.10K	34.38	Rainbow sheen Light petroleum odor	2700	ND <500**b**	3.2	ND<1	1.6	5	ND<2	ND<1	ND <20	ND<1	Isopropylbenzene 36 n-Propylbenzene 30
5/19/05**a**	STMW-5 (40.84)*	20	5-20	6.58K	34.26	Light rainbow sheen No odor	1500	ND <50**b**	16	ND <0.5	0.52	ND <0.5	ND<1	ND <0.5	ND <10	ND <0.5	Isopropylbenzene 13

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

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)
K Well screens are not submerged

***** Groundwater was surveyed based on California Coordinate System 1983, Zone 3. The benchmarks are NGVD 1929 Datum
a Water samples for TPHg, BTEX and MTBE analyses were collected on May 23, 2005
b Higher boiling gasoline compounds in the diesel range

File No. 12-04-770-GI

TABLE 2
SUMMARY OF SOIL SAMPLES
ANALYTICAL RESULTS (mg/Kg)

Date	Sample No.	Depth (feet)	TPHg	TPHd	B	T	E	X	MTBE	PCE	TBA	TCE	Other VOC's by 8260B
5/04/06	STMW-1-5	5	ND<2.5	ND<2.5	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-1-10	10	7.8**a**	ND<2.5**b**	ND<0.025	ND<0.025	ND<0.025	0.15	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-1-15	15	ND<2.5	ND<2.5	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-2-5	5	270**a**	ND<1000**c**	ND<0.25	ND<0.25	0.74	2.3	ND<2.5	NA	NA	NA	Not Analyzed
	STMW-2-10	10	130	ND<12**c**	ND<0.25	ND<0.25	0.46	0.53	ND<2.5	NA	NA	NA	Not Analyzed
	STMW-2-15	15	41**a**	ND<2.5**d**	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
5/05/05	STMW-3-5	5	ND<2.5	ND<5**d**	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-3-10	10	330	ND<2.5**e**	ND<0.5	ND<0.5	1.4	2.3	ND<5	NA	NA	NA	Not Analyzed
	STMW-3-15	15	ND<2.5	ND<2.5	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-4-5	5	ND<2.5	ND<2.5**d**	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-4-10	10	6300**a**	ND<5**e**	ND<5	ND<5	30	54	ND<50	NA	NA	NA	Not Analyzed
	STMW-4-15	15	ND<2.5	ND<2.5	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-5-5	5	ND<2.5	ND<5**d**	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.25	NA	NA	NA	Not Analyzed
	STMW-5-10	10	230	ND<2.5**f**	ND<1.2	ND<1.2	1.6	ND<1.2	ND<12	NA	NA	NA	Not Analyzed
	STMW-5-15	15	5.9**a**	ND<2.5**f**	ND<0.025	ND<0.025	ND<0.025	0.03	ND<0.25	NA	NA	NA	Not Analyzed

TPHg - Total Petroleum Hydrocarbons as gasoline
TPHd - Total Petroleum Hydrocarbons as diesel
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
MTBE - Methyl Tertiary Butyl Ether
PCE - Tetrachloroethene
TBA - tert-Butanol
TCE - Trichloroethene
VOCs - Volatile Organic Compounds
NA - Not Analyzed
ND - Not Detected (Below Laboratory Reporting Limit)

a Age/weathered gasoline
b Higher boiling gasoline compounds (C8-C14) and light Oil are in the sample. No diesel pattern present
c Higher boiling gasoline compounds(C8-C16) and light Oil compounds (C190C36) are in the sample. No diesel pattern present
d Motor Oil is in the sample. No diesel pattern present
e Hydrocarbon compounds (8-C16). No diesel pattern present
f Higher boiling gasoline compounds mix with discrete peaks (C8-C18). No diesel pattern present

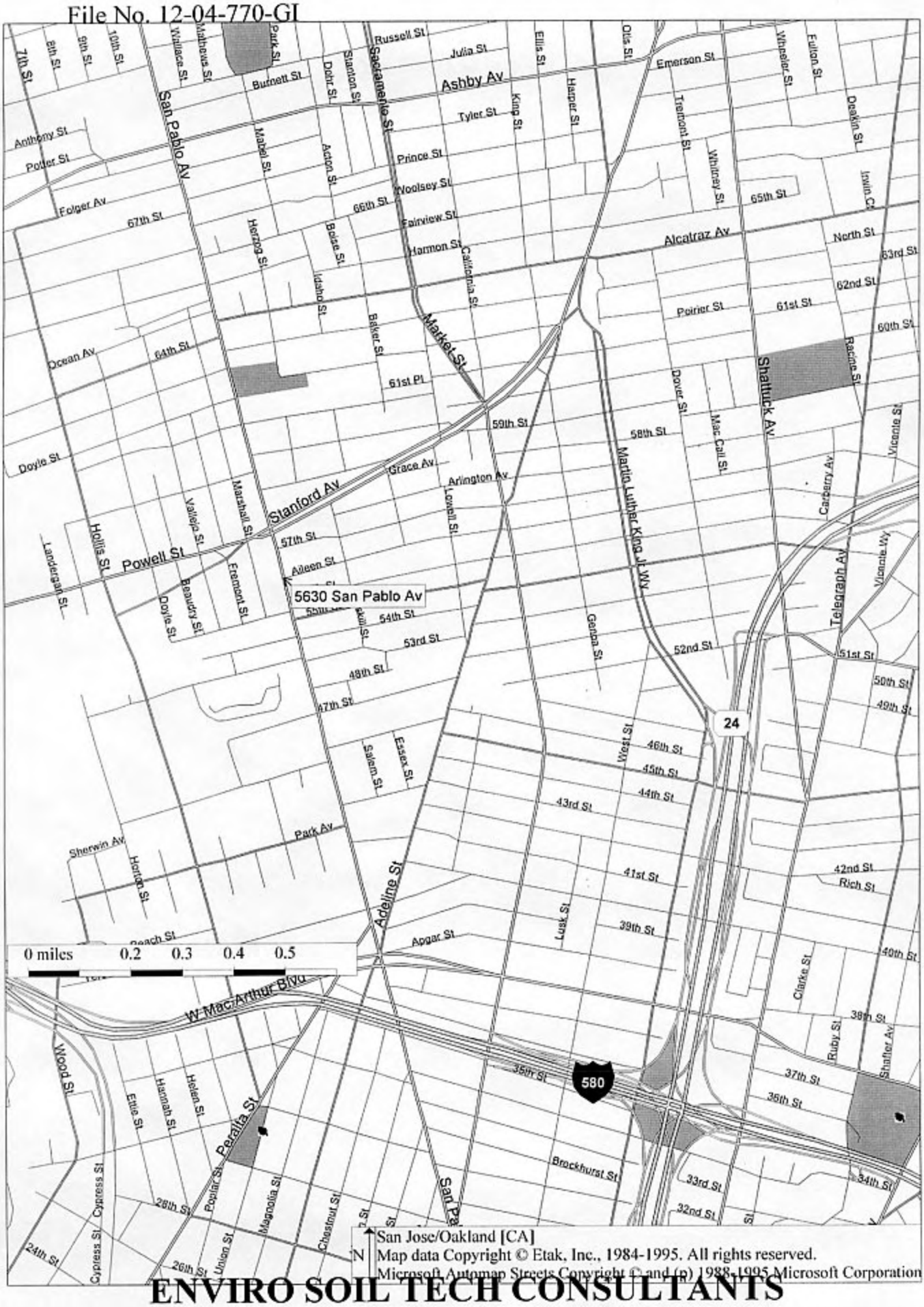
TABLE 3
SUMMARY OF MONITORING WELLS DATA
IN FEET

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

File No. 12-04-770-GI

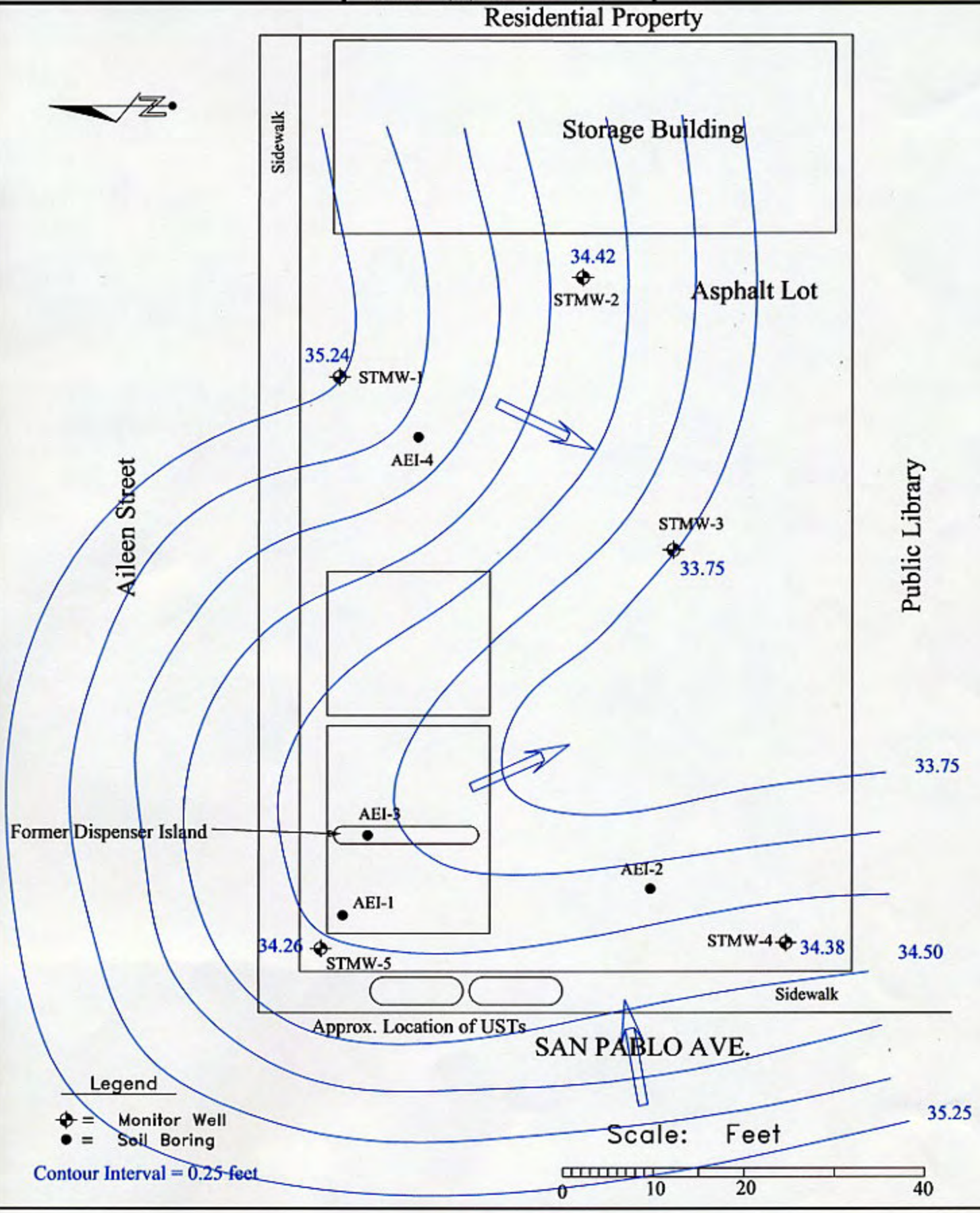


ENVIRO SOIL TECH CONSULTANTS

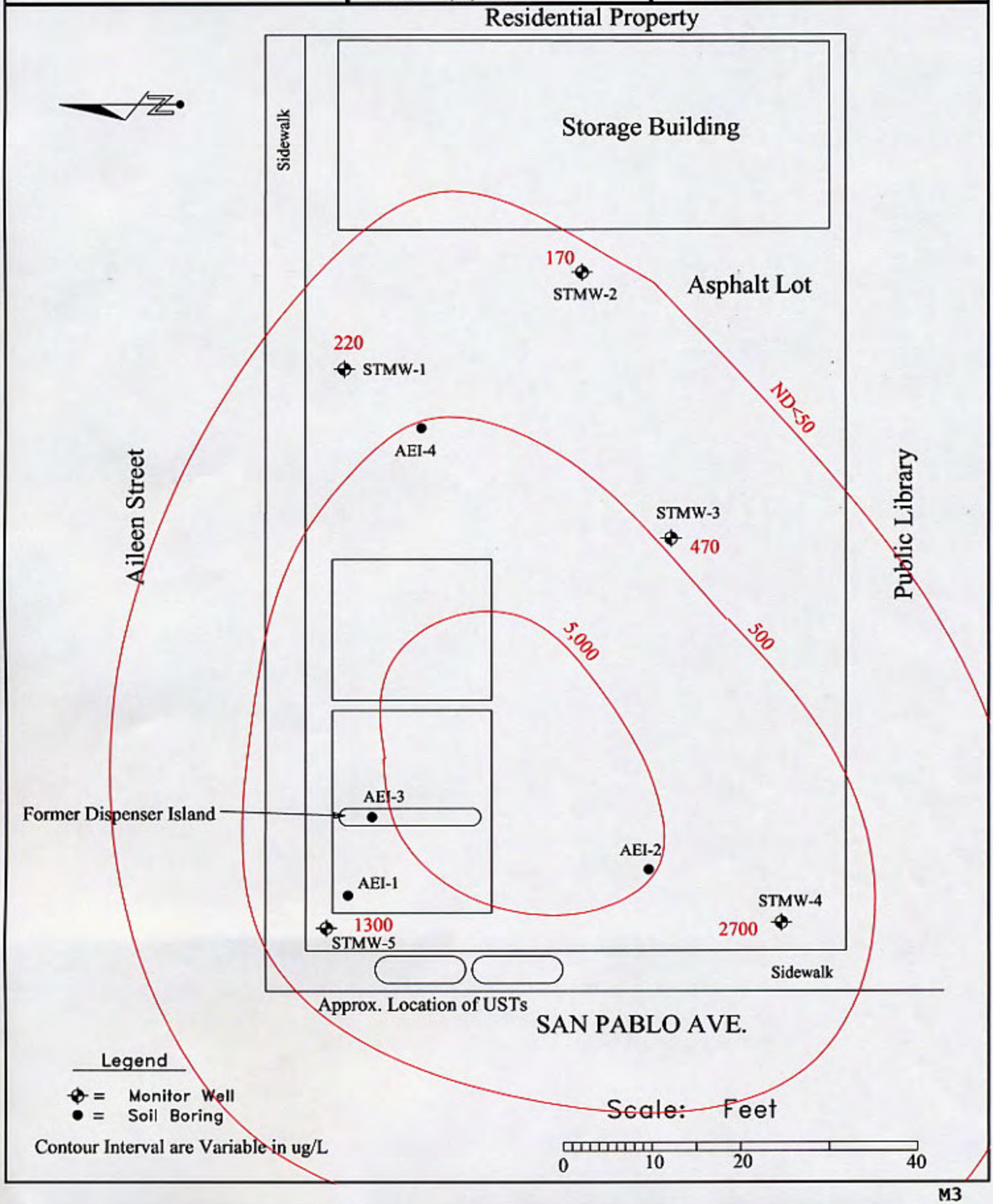
Figure 1

M1

Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 5630 San Pablo Avenue Oakland, California PROJECT # 12-04-770-GI DATE: 7/25/2007	Figure 2 Groundwater Elevation May 19, 2005

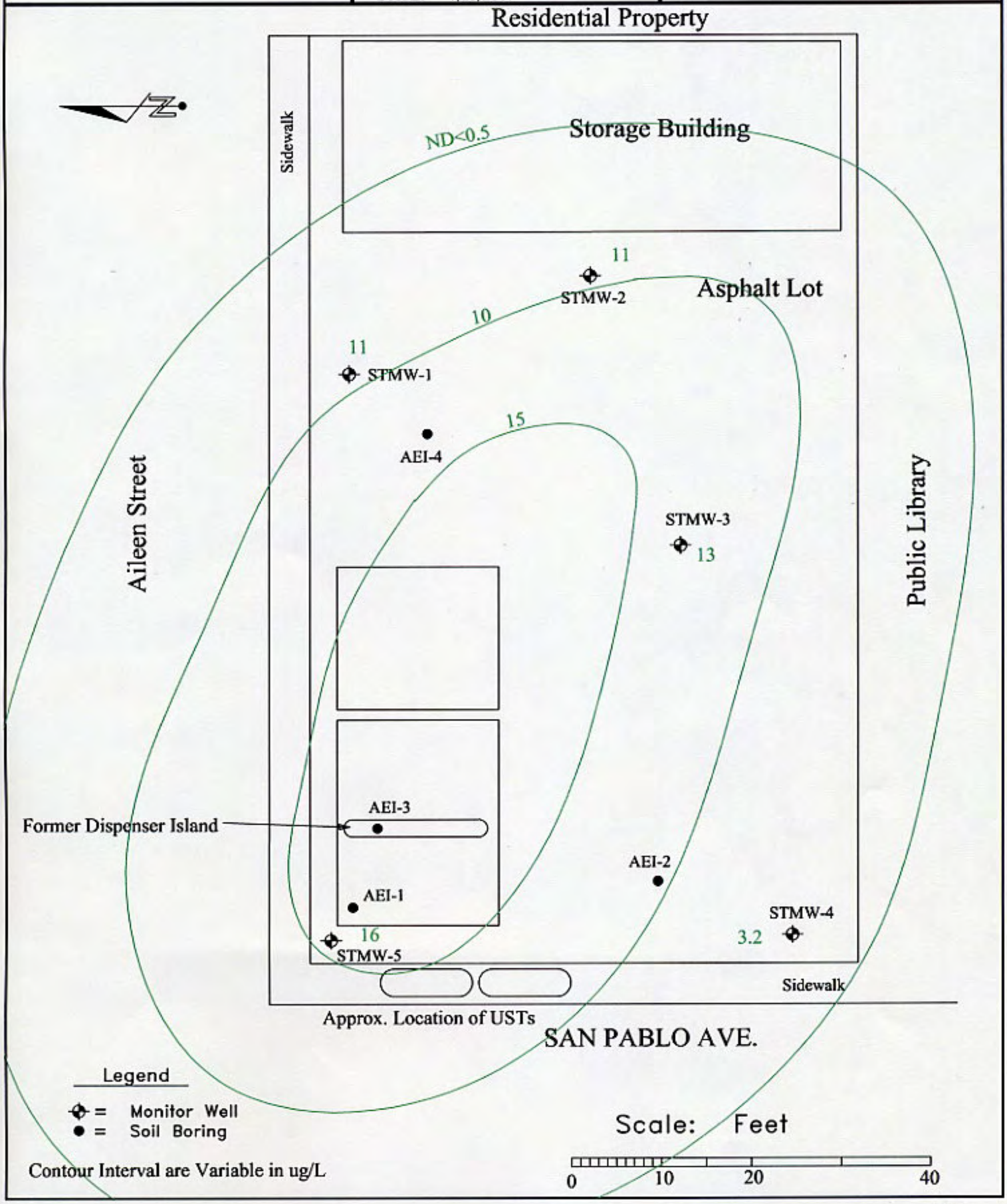


Enviro Soil Tech Consultants 131 Tully Road San Jose, CA 95112	PROJECT 5630 San Pablo Avenue Oakland, California PROJECT # 12-04-770-GI DATE: 7/27/2007	Figure 3 Isocontours of TPH-g in Groundwater, 5/19/2005



M3

Enviro Soil Tech Consultants	PROJECT	Figure 4
131 Tully Road San Jose, CA 95112	5630 San Pablo Avenue Oakland, California PROJECT # 12-04-770-GI DATE: 7/25/2007	Isocontours of Benzene in Groundwater, 5/19/2005



File No. 12-04-770-GI

A P P E N D I X "C"

STANDARD OPERATION PROCEDURES

ENVIRO SOIL TECH CONSULTANTS

DRILLING AND SOIL SAMPLING PROCEDURE

A direct push technology (Geoprobe) tool with hollow-stem auger was used in drilling the soil borings to the desired depths.

Prior to drilling, all drilling equipment was thoroughly steam-cleaned to minimize the possibility of cross-contamination and/or vertical migration of possible contaminants.

In addition, sampling equipment was washed between samples with Tri-sodium Phosphate (TSP) solution or an equivalent EPA-approved detergent followed by a rinse in distilled water.

During the drilling operation, undisturbed soil samples were taken from the required depth by forcing a 2-inch sampler lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole by means of hydraulic push technologies.

The selected sampling tubes were immediately trimmed, the ends covered tightly with aluminum foil and plastic caps, sealed with tape labeled, placed in a plastic bag and stored in a cold ice chest in order to minimize the escape of any volatile present in the samples. Soil samples were sent to a state-certified hazardous waste laboratory for analysis accompanied by a chain-of-custody record.

Soil samples collected at each sampling interval were inspected for any possible contamination (odor or peculiar colors). Soil vapor concentrations were measured in the field by using a Photoionization Detector (PID), Photovac Tip Air Analyzer. The soil sample was sealed in a Zip-Loc plastic bag and placed in the sun to enhance volatilization of the hydrocarbons from the sample. The purpose of this field analysis is to qualitatively determine the presence or absence of hydrocarbons and to establish which soil samples were analyzed at the laboratory. The data was recorded on the drilling log at the depth corresponding to the sampling point.

Other soil samples may be collected to document the stratigraphy and estimate relative permeability of the subsurface materials.

Soil tailings that are obtained during drilling were stored at the site, pending the analytical test results to determine proper disposal.

MONITORING WELL INSTALLATION

The boreholes for the monitoring wells were hand augered to the depth of 5-feet in order to detect any underground buried lines with a diameter of at least two inches larger than the casing outside diameter (O.D.).

The monitoring wells were cased with threaded, factory-perforated and blank, schedule 40 PVC. The perforated interval consisted of slotted casing, generally 0.010 to 0.040 inch wide by 1.5-inch long slot size, with 42 slots per foot (slots which match formation grain size as determined by field grain-size distribution analysis). A PVC cap was fastened to the bottom of the casing (no solvents, adhesive, or cements were used), the well casing was thoroughly washed and steam-cleaned.

After setting the casing inside the borehole, kiln-dried sand or gravel-filter material was poured into the annular space to fill from the bottom of the boring to two feet above the perforated interval. Half-a-foot to two feet thick bentonite plug was placed above this filter material to prevent grout from infiltrating down into the filter material. Approximately one to two gallons of distilled water was added to hydrate the bentonite pellets. Then the well was sealed from the top of the bentonite seal to the surface with concrete or neat cement containing about 5% bentonite (see Well Construction Detail).

To protect the well from vandalism and surface water contamination, Christy box with a special type of Allen screw was installed around the wellhead, (for wells in parking lots, driveways and building areas). Steel stove pipes with padlocks were usually set over wellheads in landscaped areas.

In general, groundwater monitoring wells extend to the base of the upper aquifer, as defined by the consistent (less than 5 feet thick) clay layer below the upper aquifer, or at least 10 to 15 feet below the top of the upper aquifer, whichever is shallower. The wells do not extend through the laterally extensive clay layer below the upper aquifer. The wells are terminated one to two feet into such a clay layer.

WELL DEVELOPMENT

For all newly installed groundwater monitoring wells, the well casing, filter pack and adjacent formations were cleared of disturbed sediment and water.

Well development techniques including pumping, bailing, surging, swabbing, jetting, flushing or air lifting by using a stainless steel or Teflon bailer, a submersible stainless steel pump, or air lift pump. The well development was continued until the discharged water appeared to be relatively free of all turbidity.

All water and sediment generated by well development was collected in 55-gallon steel drums (Department of Transportation approved), closed head (17-H) for temporarily storage, and then was disposed of properly, depending on analytical results.

To assure that cross-contamination did not occur between wells, all well development tools were steam-cleaned or thoroughly washed in a Trisodium Phosphate (TSP) solution followed by a rinse in distilled water before each well development.

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" was filled out (depth to water and total depth of water column will be measured and recorded). The well then was 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.

Liter amber glass bottles and forty milliliter (ml.) glass volatile organic analysis (VOA) vials 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 quickly was placed over the top of the vial and securely tightened. The VOA vial was then be inverted and tapped to see if air bubbles are present. If none is present, then the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information has included a sample identification number, job identification number, date, time, type of analysis requested and the sampler's name.

File No. 12-04-770-GI

A P P E N D I X "D"

BORING LOGS

ENVIRO SOIL TECH CONSULTANTS

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	5630 San Pablo Avenue, Oakland, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:
DRILLING AGENCY	Vironex, Inc.	DRILLER John McAssey	DATE STARTED: 5/04/05 DATE FINISHED: 5/04/05
DRILLING EQUIPMENT	Geoprobe		COMPLETION DEPTH (ft) 20 feet
DRILLING METHOD	Direct Push	DRILL BIT	HAMMER SAMPLER 2" Polyethylene
SIZE AND TYPE OF CASING	2-inch PVC Schedule 40		NUMBER OF SAMPLES BULK: 3 DRIVE:
TYPE OF PERFORATION	0.020-inch PVC Schedule 40	FROM 5 feet TO 20 feet	WATER FIRST: DEPTH COMPL.: 24 hrs.
SIZE AND TYPE OF PACK	Sand #2/12	FROM 4 feet TO 20 feet	LOGGED BY Frank Hamedi CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0 foot	3½ feet	No. 3:		
	No. 2: Bentonite	3½ feet	4 feet	No. 4:		

LOG OF BORING STMW-1

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER TYPE	SAMPLES: POCKET PEN, tsf	SAMPLES: BLOWS/foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)
0	2-inch Asphalt.						0						
	6-inch grayish-brown sandy Gravel (baserock).												
	Black silty Clay with miner rock fragments, damp, medium stiff.	CL-ML											
5	Chocolate silty Clay, damp, stiff.	CL-ML					5	1-5					
	Reddish-brown silty Clay with miner rock fragments, damp, medium stiff.	CL-ML				▽							
10	Light brown gravely sandy silty Clay, moist, medium stiff.	CL-ML					10	1-10					
	Yellowish-brown clayey sandy Gravel, moist, medium dense.	GP											
15	Grayish-brown gravely sandy Clay, damp, moist.	CL					15	1-15					
20	Boring terminated.						20						
25							25						
30							30						
35							35						

12-04-770-GI	PROJECT NO. 12-04-770-GI	FIGURE:

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	5630 San Pablo Avenue, Oakland, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:
DRILLING AGENCY	Vironex, Inc.	DRILLER John McAssey	DATE STARTED: 5/04/05 DATE FINISHED: 5/04/05
DRILLING EQUIPMENT	Geoprobe		COMPLETION DEPTH (ft) 20 feet
DRILLING METHOD	Direct Push	DRILL BIT	HAMMER SAMPLER 2" Polyethylene
SIZE AND TYPE OF CASING	2-inch PVC Schedule 40		NUMBER OF SAMPLES BULK: 3 DRIVE:
TYPE OF PERFORATION	0.020-inch PVC Schedule 40	FROM 5 feet TO 20 feet	WATER FIRST: DEPTH COMPL.: 24 hrs.
SIZE AND TYPE OF PACK	Sand #2/12	FROM 4 feet TO 20 feet	LOGGED BY Frank Hamedi CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0 foot	3½ feet	No. 3:		
	No. 2: Bentonite	3½ feet	4 feet	No. 4:		

LOG OF BORING STMW-2

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER TYPE	SAMPLES: POCKET PEN, tsf	SAMPLES: BLOWS/foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)
0	2-inch Asphalt.						0						
	6 to 8-inch greenish-brown sandy Gravel (baserock).												
	Black silty Clay, damp, medium stiff.	CL-ML											
5	Black silty Clay, damp, medium stiff.	CL-ML					5	2-5					
	Grayish-brown silty Clay, damp, medium stiff.	CL-ML											
10	Light brown sandy Clay (very fine sand).	CL					10	2-10					
	Yellowish-brown sandy Gravel with 5% clay, damp, medium dense.	GP-GC											
15	Grayish-brown gravely sandy Clay, damp, moist.	CL					15	2-15					
20	Boring terminated.						20						
25							25						
30							30						
35							35						

12-04-770-GI	PROJECT NO. 12-04-770-GI	FIGURE:

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	5630 San Pablo Avenue, Oakland, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:
DRILLING AGENCY	Vironex, Inc.	DRILLER John McAssey	DATE STARTED: 5/05/05 DATE FINISHED: 5/05/05
DRILLING EQUIPMENT	Geoprobe		COMPLETION DEPTH (ft) 20 feet
DRILLING METHOD	Direct Push	DRILL BIT	HAMMER SAMPLER 2" Polyethylene
SIZE AND TYPE OF CASING	2-inch PVC Schedule 40		NUMBER OF SAMPLES BULK: 3 DRIVE:
TYPE OF PERFORATION	0.020-inch PVC Schedule 40	FROM 5 feet TO 20 feet	WATER FIRST: DEPTH COMPL.: 24 hrs.
SIZE AND TYPE OF PACK	Sand #2/12	FROM 4 feet TO 20 feet	LOGGED BY Frank Hamedi CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0 foot	3½ feet	No. 3:		
	No. 2: Bentonite	3½ feet	4 feet	No. 4:		

LOG OF BORING STMW-3

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER TYPE	SAMPLES: POCKET PEN. tsf	SAMPLES: BLOWS/foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)
0	2-inch Asphalt.						0						
	10-inch dark brown sandy Gravel (baserock).												
	Black silty Clay with rock fragments, damp, medium stiff.	CL-ML											
	Brown sandy Clay with some rock, medium stiff, damp.	CL					5	3-5					
	Brown sandy gravely Clay, damp, medium stiff.	CL				▽							
10	Yellowish-brown clayey silty Sand with some rock, moist, medium stiff.	SC-SM					10	3-10					
	Yellowish-brown silty Clay with miner rock, moist, stiff.	CL-ML					15	3-15					
15	Yellowish-brown gravely Sand (coarse sand) with 5% miner clay, wet, medium dense.	SP											
20	Boring terminated.						20						
25							25						
30							30						
35							35						

12-04-770-GI	PROJECT NO. 12-04-770-GI	FIGURE:

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	5630 San Pablo Avenue, Oakland, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:
DRILLING AGENCY	Vironex, Inc.	DRILLER John McAssey	DATE STARTED: 5/05/05 DATE FINISHED: 5/05/05
DRILLING EQUIPMENT	Geoprobe		COMPLETION DEPTH (ft) 20 feet
DRILLING METHOD	Direct Push	DRILL BIT	HAMMER SAMPLER 2" Polyethylene
SIZE AND TYPE OF CASING	2-inch PVC Schedule 40		NUMBER OF SAMPLES BULK: 3 DRIVE:
TYPE OF PERFORATION	0.020-inch PVC Schedule 40	FROM 5 feet TO 20 feet	WATER FIRST: DEPTH COMPL.: 24 hrs.
SIZE AND TYPE OF PACK	Sand #2/12	FROM 4 feet TO 20 feet	LOGGED BY Frank Hamedi CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0 foot	3½ feet	No. 3:		
	No. 2: Bentonite	3½ feet	4 feet	No. 4:		

LOG OF BORING STMW-4

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER TYPE	SAMPLES: POCKET PEN, tsf	SAMPLES: BLOWS/foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)
0	2-inch Asphalt.						0						
	Dark brown sandy Gravel (baserock).												
	Black silty Clay with rock fragments, medium stiff, damp.	CL-ML											
	Brown sandy Clay with some rock, medium stiff, damp.	CL											
5							5	4-5					
	Gray/brown gravely Clay with miner sand, medium stiff, moist.	CL				▽							
	Dark brown silty Clay with some gravel, damp, medium stiff.	CL-ML											
10							10	4-10					
	Dark brown sandy Clay with miner small gravel, damp, medium stiff.	CL											
15							15	4-15					
	Yellow/brown clayey sandy Gravel with rock, damp, medium dense.	GP											
	Yellowish-brown gravely Sand (coarse sand) with 5% miner clay, wet, medium dense.	SP											
20	Yellowish-brown sandy Gravel with 5% clay, wet, dense. Boring terminated.	GP					20						
25							25						
30							30						
35							35						

12-04-770-GI	PROJECT NO. 12-04-770-GI	FIGURE:

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	5630 San Pablo Avenue, Oakland, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:
DRILLING AGENCY	Vironex, Inc.	DRILLER John McAssey	DATE STARTED: 5/05/05 DATE FINISHED: 5/05/05
DRILLING EQUIPMENT	Geoprobe		COMPLETION DEPTH (ft) 20 feet
DRILLING METHOD	Direct Push	DRILL BIT	HAMMER SAMPLER 2" Polyethylene
SIZE AND TYPE OF CASING	2-inch PVC Schedule 40		NUMBER OF SAMPLES BULK: 3 DRIVE:
TYPE OF PERFORATION	0.020-inch PVC Schedule 40	FROM 5 feet TO 20 feet	WATER FIRST: DEPTH COMPL.: 24 hrs.
SIZE AND TYPE OF PACK	Sand #2/12	FROM 4 feet TO 20 feet	LOGGED BY Frank Hamedi CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0 foot	3½ feet	No. 3:		
	No. 2: Bentonite	3½ feet	4 feet	No. 4:		

LOG OF BORING STMW-5

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER TYPE	SAMPLES: POCKET PEN. tsf	SAMPLES: BLOWS/foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)
0	2-inch Asphalt.	GP					0						
	6-inch grayish-brown sandy Gravel (baserock).	CL											
	Black Clay, damp, medium stiff.												
	Yellowish-brown clayey gravely Sand, medium dense, damp.	SP											
5	Black silty Clay, damp, medium stiff.	CL-ML					5	5-5					
	Brown clayey sandy Gravel, damp, dense.	GP				▽							
	Yellowish-brown silty Clay with miner rock fragments, damp, stiff.	CL-ML											
10							10	5-10					
	Yellowish-brown gravely clayey Sand with miner rock fragments, damp, very stiff.	SC											
15	Grayish-brown gravely sandy Clay, damp, moist.	CL					15	5-15					
20	Light brown gravely Sand with 5% clay, moist, dense. Boring terminated.	SP					20						
25							25						
30							30						
35							35						

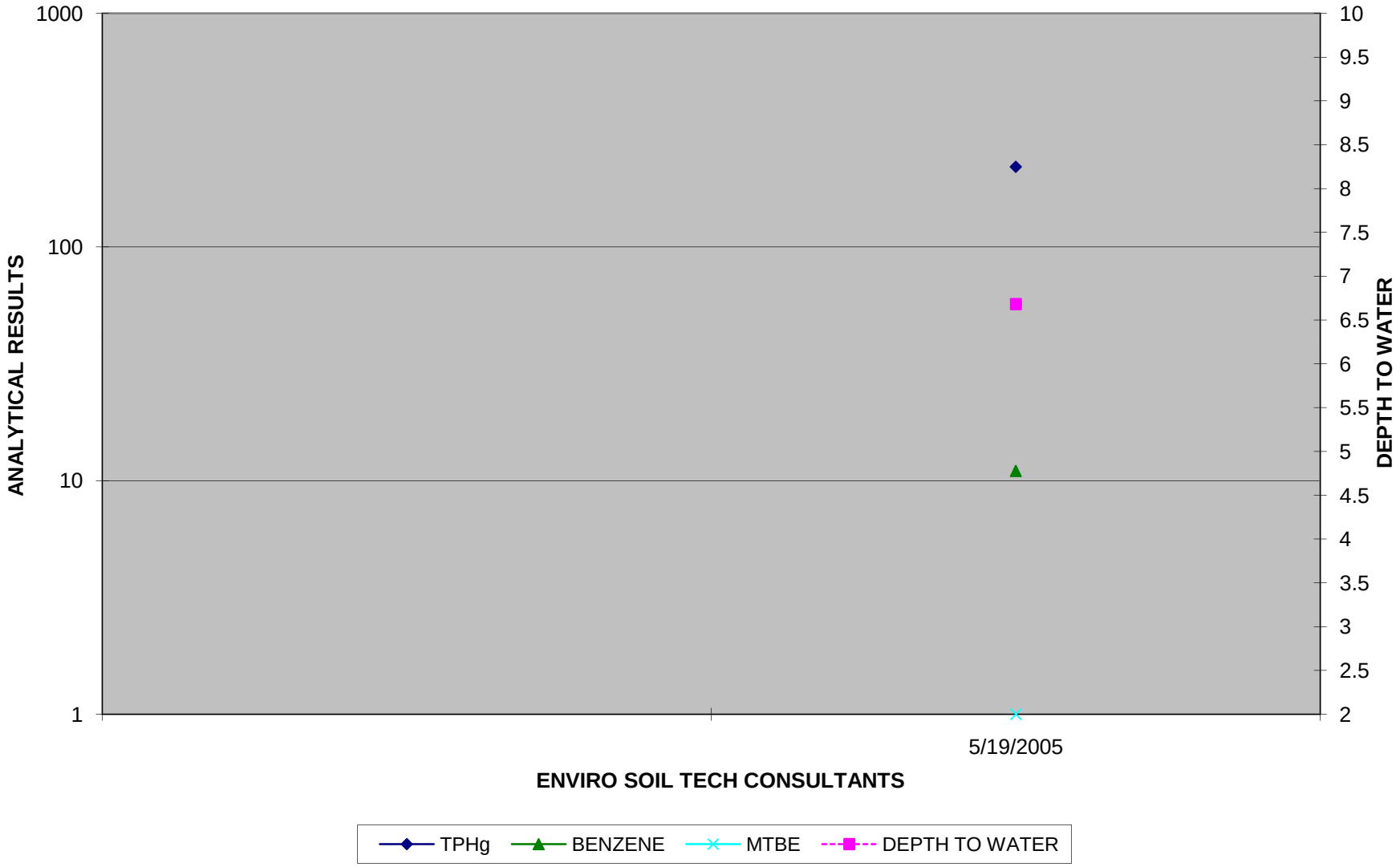
12-04-770-GI	PROJECT NO. 12-04-770-GI	FIGURE:

A P P E N D I X "E"

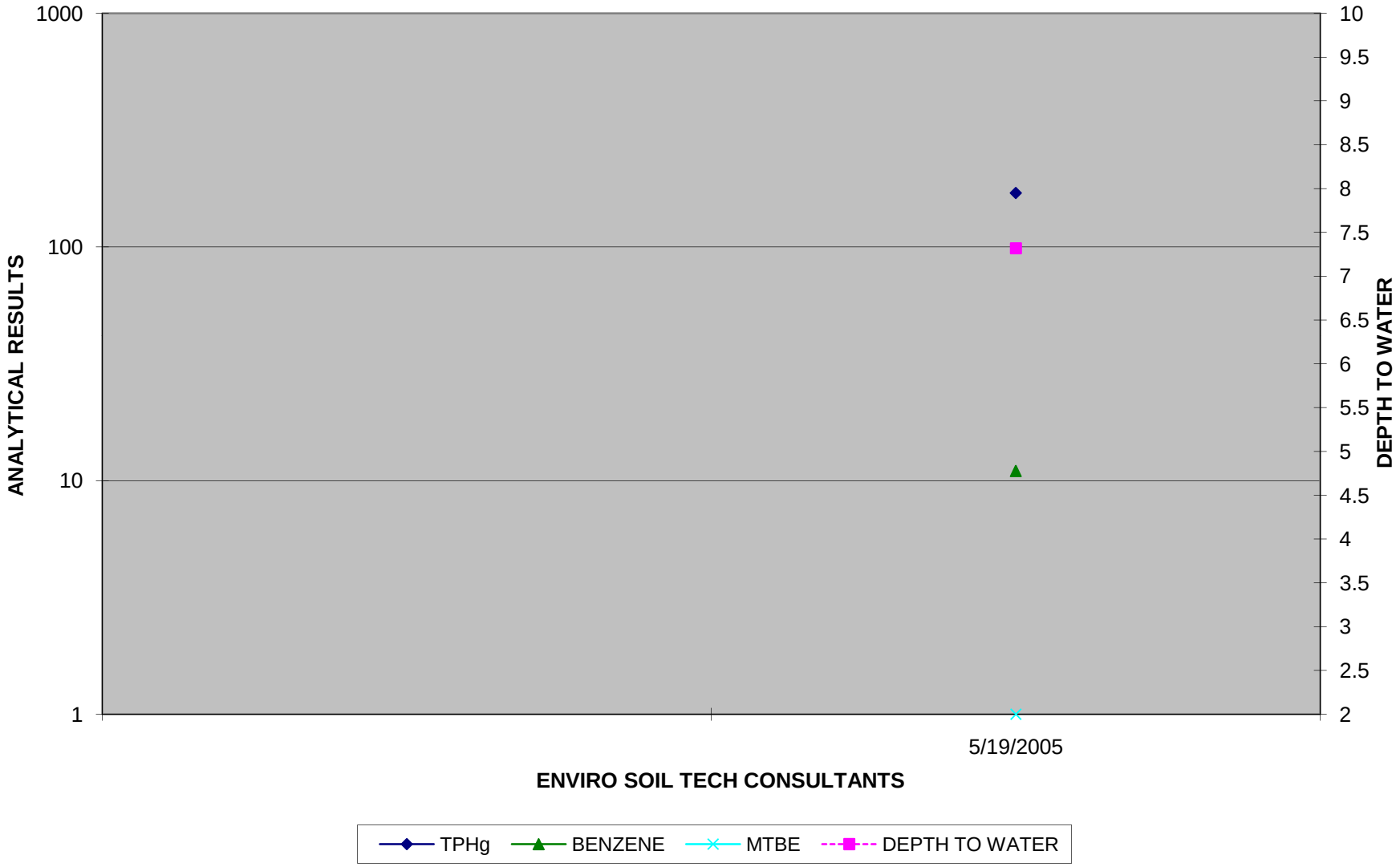
HYDROGRAPHS

File No.: 12-04-770-GI

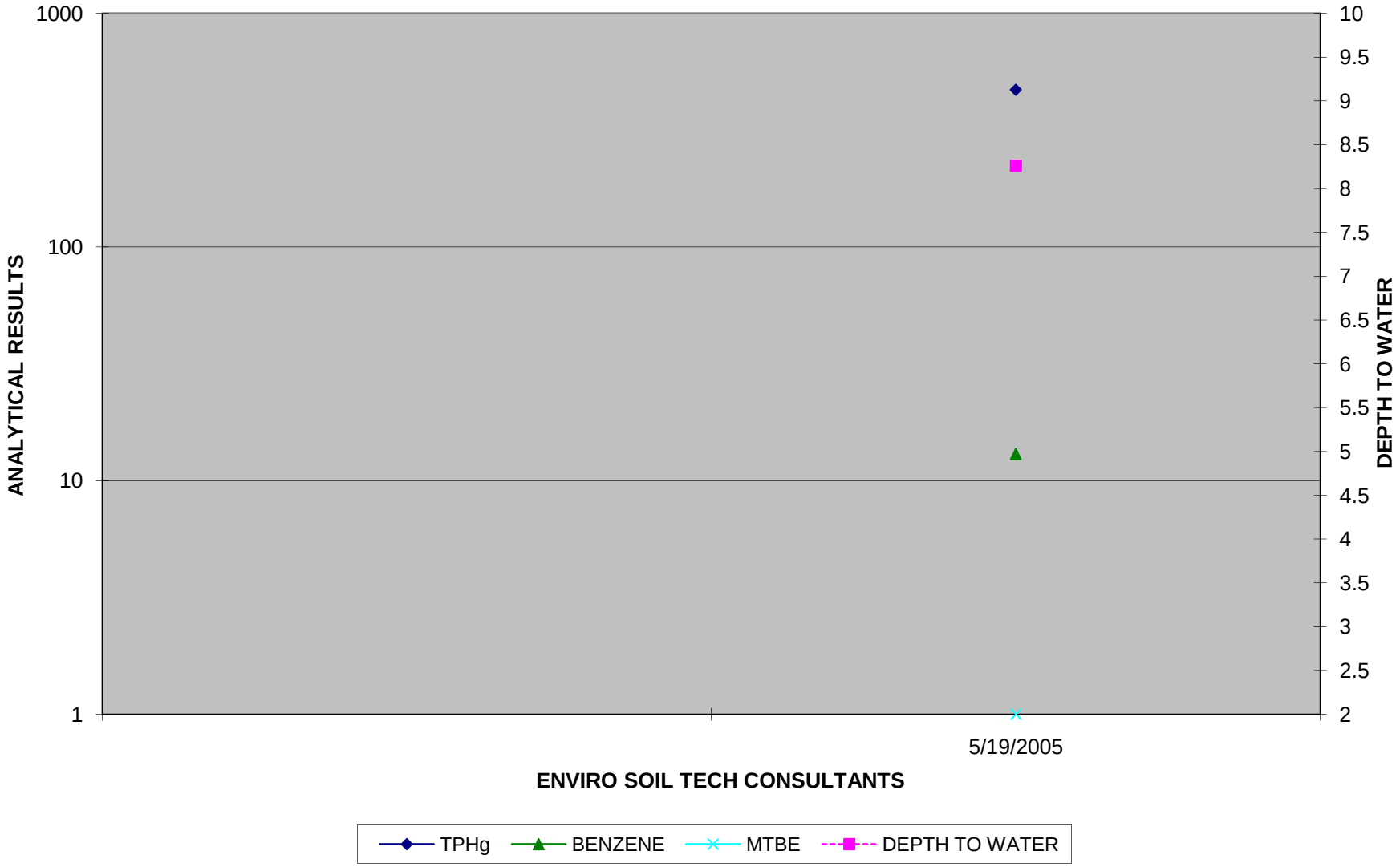
TPHg, BENZENE & MTBE RESULTS FOR STMW-1 (µg/L)
AND DEPTH TO WATER MEASUREMENT (feet)



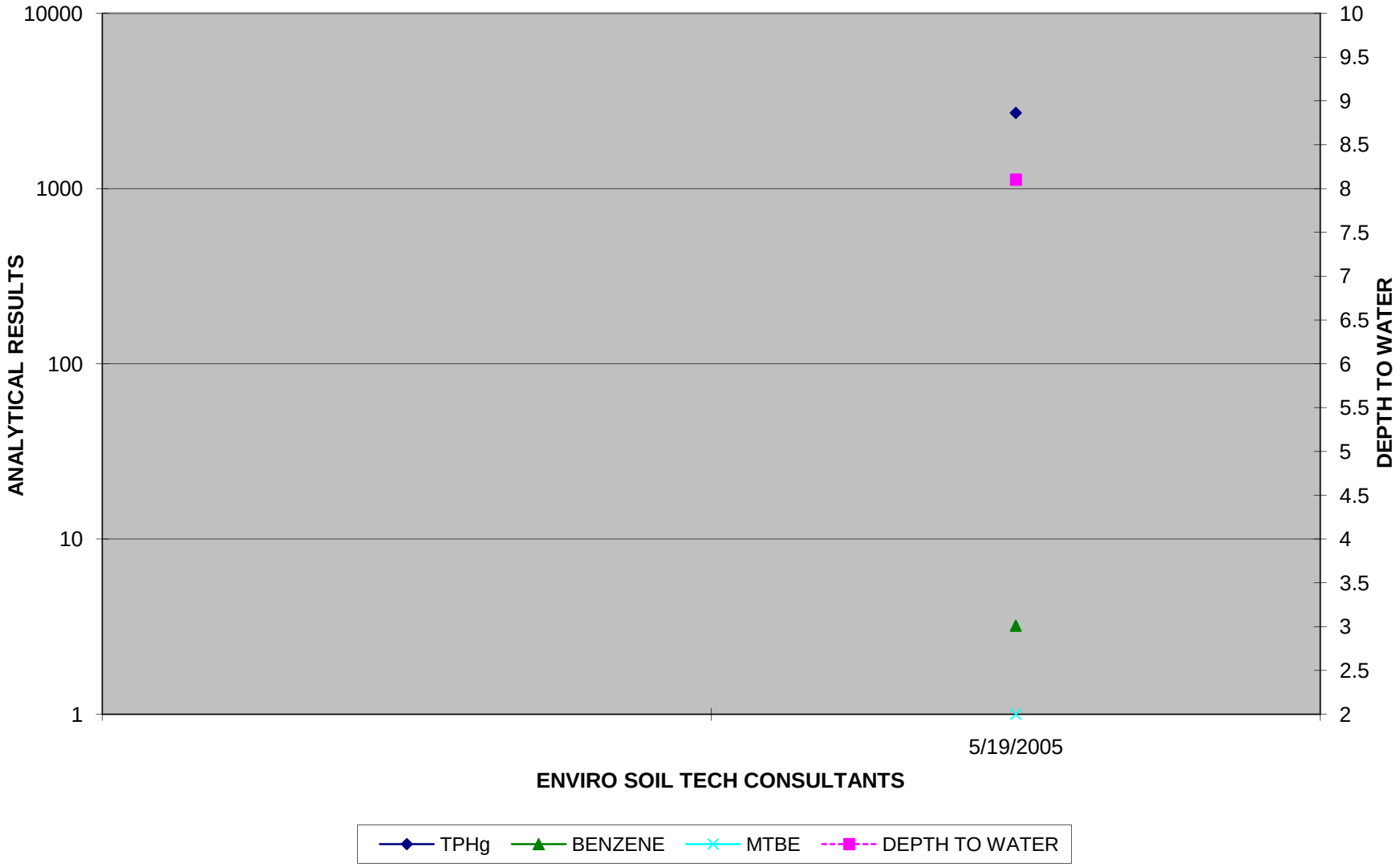
File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-2 (µg/L)
AND DEPTH TO WATER MEASUREMENT (feet)



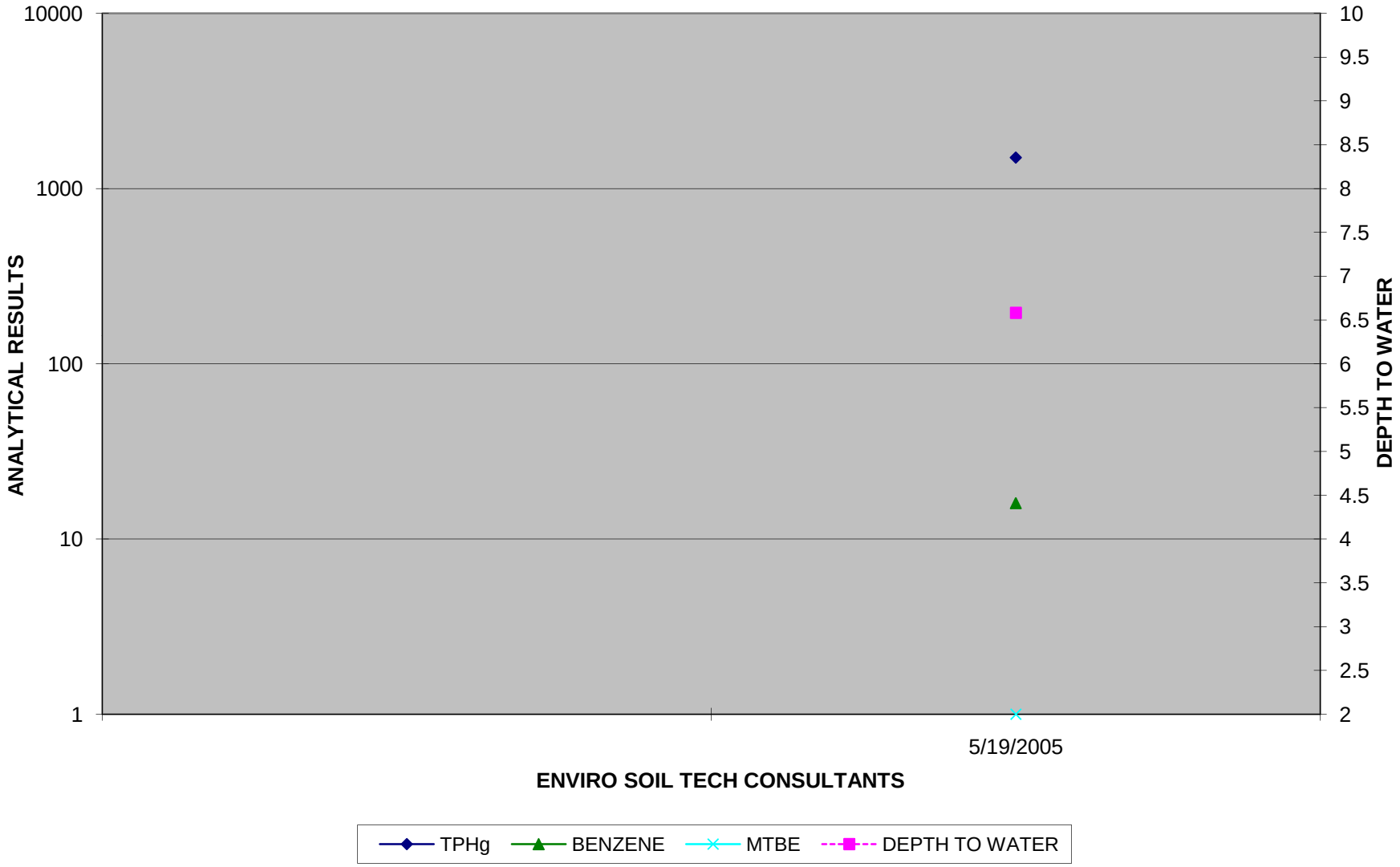
File No.: 12-04-770-GI
TPHg, BENZENE & MTBE RESULTS FOR STMW-3 (µg/L)
AND DEPTH TO WATER MEASUREMENT (feet)



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



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



File No. 12-04-770-GI

A P P E N D I X "F"

LABORATORY REPORTS

ENVIRO SOIL TECH CONSULTANTS

Entech Analytical Labs, Inc.

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

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

Certificate ID: 43506 - 5/24/2005 10:17:10 PM

Order Number: 43506

Date Received: 5/10/2005 4:02:50 PM
P.O. Number: 12-04-770GI

Project Number: 12-04-770GI

Certificate of Analysis - Final Report

On May 10, 2005, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test	Method	Comments
Solid	Gas/BTEX	EPA 8015 MOD. (Purgeable)	
		EPA 8020	
	MtBE	EPA 8020	
	TPH-Extractable	EPA 8015 MOD. (Extractable)	

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

Sincerely,

Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

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

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

Project ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-001 **Sample ID:** STMW-1-5 **Matrix:** Solid **Sample Date:** 5/4/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050510	5/11/2005	DS050510

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	99.1	41 - 137

Analyzed by: JHsiang
Reviewed by: bdhabalia

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/12/2005	SGC4050512

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

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/12/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/12/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/12/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/12/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/12/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	111	65 - 135

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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 ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-002 **Sample ID: STMW-1-10** **Matrix:** Solid **Sample Date:** 5/4/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050510	5/11/2005	DS050510

Note: 10 mg/Kg higher boiling gasoline compounds (C8-C14) and 15 mg/Kg light Oil are in the sample. No Diesel pattern present .

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	100	41 - 137

Analyzed by: JHsiang
Reviewed by: bdhabalia

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	7.8		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512

Note: Aged/weathered Gasoline.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	229***	65 - 135

Analyzed by: mruan
Reviewed by: MTu

*** Surrogate recovery is outside QC limit due to matrix interference.

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Xylenes, Total	0.15		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	126	65 - 135

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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 ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-003 **Sample ID: STMW-1-15** **Matrix:** Solid **Sample Date:** 5/4/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/16/2005	DS050511

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	62	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	65 - 135

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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 ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-004 **Sample ID:** STMW-2-5 **Matrix:** Solid **Sample Date:** 5/4/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		400	1000	mg/Kg	5/11/2005	DS050511	5/17/2005	DS050511

Note: 4000 mg/Kg higher boiling gasoline compounds (C8-C16) and 29000 mg/kg light Oil compounds(C16-C36) are in the sample. No Diesel pattern present .

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	0***	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

*** NR=Not Reportable. Surrogate recovery not reportable due to dilution.

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	270		10	25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Note: Aged/weathered Gasoline.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	434***	65 - 135

Analyzed by: mruan
Reviewed by: MTu

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

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	0.74		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	2.3		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		10	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108	65 - 135

Analyzed by: mruan
Reviewed by: MTu

***

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Frank Hamedi

Project ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-005 **Sample ID: STMW-2-10** **Matrix:** Solid **Sample Date:** 5/4/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		5	12	mg/Kg	5/11/2005	DS050511	5/17/2005	DS050511

Note: 65 mg/Kg higher boiling gasoline compounds (C8-C16) and 260 mg/kg light Oil compounds(C16-C36) are in the sample. No Diesel pattern present .

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	103	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	130		10	25	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	123	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Toluene	ND		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Ethyl Benzene	0.46		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Xylenes, Total	0.53		10	0.25	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512
Methyl-t-butyl Ether	ND		10	2.5	mg/Kg	5/12/2005	SGC4050512	5/16/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	112	65 - 135

Analyzed by: mruan
Reviewed by: MTu

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Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-006 **Sample ID: STMW-2-15** **Matrix:** Solid **Sample Date:** 5/4/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/17/2005	DS050511

Note: 24 mg/Kg Motor Oil is in the sample.No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	68.6	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	4.1		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/18/2005	SGC4050512

Note: Aged/weathered Gasoline.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	119	65 - 135

Analyzed by: Mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/18/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/18/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/18/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/18/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/18/2005	SGC4050512

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

Analyzed by: Mruan
Reviewed by: MTu

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Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

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Lab # : 43506-007 **Sample ID: STMW-3-5** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		2	5.0	mg/Kg	5/11/2005	DS050511	5/17/2005	DS050511

Note: 34 mg/Kg Motor Oil is in the sample.No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	77.4	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	65 - 135

Analyzed by: mruan
Reviewed by: MTu

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Lab # : 43506-008 **Sample ID: STMW-3-10** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/16/2005	DS050511

Note: 65 mg/Kg hydrocarbon compounds(C8-C16). No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	67.5	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	330		20	50	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	118	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		20	0.50	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		20	0.50	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	1.4		20	0.50	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	2.3		20	0.50	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		20	5.0	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	120	65 - 135

Analyzed by: mruan
Reviewed by: MTu

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Lab # : 43506-009 **Sample ID: STMW-3-15** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/16/2005	DS050511

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	79.6	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

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

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	65 - 135

Analyzed by: mruan
Reviewed by: MTu

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Lab # : 43506-010 **Sample ID: STMW-4-5** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/16/2005	DS050511

Note: 21 mg/Kg Motor Oil is in the sample.No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	72.8	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.1	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	65 - 135

Analyzed by: mruan
Reviewed by: MTu

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Project ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-011 **Sample ID: STMW-4-10** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		2	5.0	mg/Kg	5/11/2005	DS050511	5/17/2005	DS050511

Note: 170 mg/Kg higher boiling gasoline compounds (C8-C16) . No Diesel pattern present .

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	76.7	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	6300		200	500	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Note: Aged/weathered Gasoline.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	124	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		200	5.0	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		200	5.0	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	30		200	5.0	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	54		200	5.0	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		200	50	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	130	65 - 135

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
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Sample Collected by: Client

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Lab # : 43506-012 **Sample ID: STMW-4-15** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/16/2005	DS050511

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	74.6	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	65 - 135

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
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ND = Not Detected at or above the Detection Limit.
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Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-013 **Sample ID: STMW-5-5** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		2	5.0	mg/Kg	5/11/2005	DS050511	5/17/2005	DS050511

Note: 54 mg/Kg Motor Oil is in the sample.No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	78.5	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.2	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

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

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
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ND = Not Detected at or above the Detection Limit.
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Sample Collected by: Client

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Lab # : 43506-014 **Sample ID: STMW-5-10** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511	5/16/2005	DS050511

Note: 13 mg/Kg higher boiling gasoline compounds mix with discrete peaks(C8-C18). No Diesel pattern present .

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	62.9	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	230		50	120	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108	65 - 135

Analyzed by: Mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		50	1.2	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		50	1.2	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	1.6		50	1.2	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	ND		50	1.2	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		50	12	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	114	65 - 135

Analyzed by: Mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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 ID: 12-04-770GI
Date Received: 5/10/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43506-015 **Sample ID: STMW-5-15** **Matrix:** Solid **Sample Date:** 5/5/2005

EPA 8015 MOD. (Extractable)
EPA 3545

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	5/11/2005	DS050511		DS050511

Note: 7 mg/Kg higher boiling gasoline compounds mix with discrete peaks(C8-C18). No Diesel pattern present .

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	75.2	41 - 137

Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	5.9		1	2.5	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Note: Aged/weathered Gasoline.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	123	65 - 135

Analyzed by: mruan
Reviewed by: MTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Toluene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Ethyl Benzene	ND		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Xylenes, Total	0.030		1	0.025	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512
Methyl-t-butyl Ether	ND		1	0.25	mg/Kg	5/12/2005	SGC4050512	5/13/2005	SGC4050512

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	65 - 135

Analyzed by: mruan
Reviewed by: MTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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

QC/Prep Batch ID: DS050510

Validated by: bdhabalia - 05/11/05

QC/Prep Date: 5/11/2005

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	2.5	mg/Kg

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	82.1	41 - 137

Entech Analytical Labs, Inc.

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

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

QC/Prep Batch ID: DS050511

Validated by: dba - 05/18/05

QC/Prep Date: 5/11/2005

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	2.5	mg/Kg

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	92.6	41 - 137

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Method Blank - Solid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

QC/Prep Batch ID: SGC4050512

Validated by: MTu - 05/13/05

QC/Prep Date: 5/12/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	2.5	mg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**96.6**	65 - 135

Method Blank - Solid - EPA 8020 - BTEX

QC/Prep Batch ID: SGC4050512

Validated by: MTu - 05/13/05

QC/Prep Date: 5/12/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.025	mg/Kg
Ethyl Benzene	ND	1	0.025	mg/Kg
Toluene	ND	1	0.025	mg/Kg
Xylenes, Total	ND	1	0.025	mg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**96.8**	65 - 135

Method Blank - Solid - EPA 8020 - MTBE by EPA 8020

QC/Prep Batch ID: SGC4050512

Validated by: MTu - 05/13/05

QC/Prep Date: 5/12/2005

Parameter	Result	DF	PQLR	Units
Methyl-t-butyl Ether	ND	1	0.25	mg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**96.8**	65 - 135

Entech Analytical Labs, Inc.

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

QC/Prep Batch ID: DS050510

Reviewed by: bdhabalia - 05/11/05

QC/Prep Date: 5/11/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	40.9	mg/Kg	81.8	45 - 140
TPH as Motor Oil	<10	50	33.9	mg/Kg	67.8	45 - 140

Surrogate	% Recovery	Control Limits
o-Terphenyl	**81.5**	40.8 - 137

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	41.0	mg/Kg	82.0	**0.24**	30.0	45 - 140
TPH as Motor Oil	<10	50	30.8	mg/Kg	61.6	**9.6**	30.0	45 - 140

Surrogate	% Recovery	Control Limits
o-Terphenyl	**83.1**	40.8 - 137

Entech Analytical Labs, Inc.

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

QC/Prep Batch ID: DS050511

Reviewed by: dba - 05/18/05

QC/Prep Date: 5/11/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	54.4	mg/Kg	109	45 - 140
TPH as Motor Oil	<10	50	38.1	mg/Kg	76.2	45 - 140

Surrogate	% Recovery	Control Limits
o-Terphenyl	**91.5**	40.8 - 137

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	45.5	mg/Kg	91.0	**18**	30.0	45 - 140
TPH as Motor Oil	<10	50	33.8	mg/Kg	67.6	**12**	30.0	45 - 140

Surrogate	% Recovery	Control Limits
o-Terphenyl	**84.4**	40.8 - 137

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Laboratory Control Sample / Duplicate - Solid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

QC/Prep Batch ID: SGC4050512

Reviewed by: MTu - 05/13/05

QC/Prep Date: 5/12/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<2.5	12	11.5	mg/Kg	92.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**91.4**	65.0 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<2.5	12	11.4	mg/Kg	91.2	**0.87**	30.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**94.5**	65.0 - 135

Entech Analytical Labs, Inc.

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

Laboratory Control Sample / Duplicate - Solid - EPA 8020 - BTEX

QC/Prep Batch ID: SGC4050512

Reviewed by: MTu - 05/13/05

QC/Prep Date: 5/12/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.025	0.40	0.407	mg/Kg	102	54 - 150
Ethyl Benzene	<0.025	0.40	0.379	mg/Kg	94.8	67 - 130
Toluene	<0.025	0.40	0.404	mg/Kg	101	45 - 160
Xylenes, total	<0.025	1.2	1.16	mg/Kg	96.5	79 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**95.7**	65.0 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.025	0.40	0.411	mg/Kg	103	**0.98**	30.0	54 - 150
Ethyl Benzene	<0.025	0.40	0.380	mg/Kg	95.0	**0.26**	30.0	67 - 130
Toluene	<0.025	0.40	0.404	mg/Kg	101	**0.0**	30.0	45 - 160
Xylenes, total	<0.025	1.2	1.16	mg/Kg	96.2	**0.26**	30.0	79 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**96.6**	65.0 - 135

Entech Analytical Labs, Inc.

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Laboratory Control Sample / Duplicate - Solid - EPA 8020 - MTBE by EPA 8020

QC/Prep Batch ID: SGC4050512

Reviewed by: MTu - 05/13/05

QC/Prep Date: 5/12/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methyl-t-butyl Ether	<0.25	0.40	0.368	mg/Kg	92.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**95.7**	65.0 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methyl-t-butyl Ether	<0.25	0.40	0.369	mg/Kg	92.2	**0.27**	30.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**96.6**	65.0 - 135

CHAIN OF CUSTODY RECORD

* PROJ. NO.	NAME
12-04-770GI	5630 San Pablo Ave., Oakland

SAMPLERS: *(Signature)*

	LAB NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	TPH-g by (5030/8015)	TPH-D (3510/8015)	BTEX (5030/8020)	MTBE (5030/8020)			REMARKS
001	1	5/04/05		✓		STMW-1-5	1	✓	✓	✓	✓			
002	2			✓		STMW-1-10	1	✓	✓	✓	✓			* Please send back soil samples to our office when finish *
003	3			✓		STMW-1-15	1	✓	✓	✓	✓			
004	4			✓		STMW-2-5	1	✓	✓	✓	✓			
005	5			✓		STMW-2-10	1	✓	✓	✓	✓			
006	6			✓		STMW-2-15	1	✓	✓	✓	✓			
007	7	5/04/05		✓		STMW-3-5	1	✓	✓	✓	✓			
008	8			✓		STMW-3-10	1	✓	✓	✓	✓			
009	9			✓		STMW-3-15	1	✓	✓	✓	✓			
010	10			✓		STMW-4-5	1	✓	✓	✓	✓			
011	11			✓		STMW-4-10	1	✓	✓	✓	✓			
012	12			✓		STMW-4-15	1	✓	✓	✓	✓			
013	13			✓		STMW-5-5	1	✓	✓	✓	✓			
014	14			✓		STMW-5-10	1	✓	✓	✓	✓			
015	15	✓		✓		STMW-5-15	1	✓	✓	✓	✓			

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Receive by: *(Signature)*
	5/10/05 14:55				
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 Nemedi	

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

Entech Analytical Labs, Inc.

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

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

Certificate ID: 43644 - 5/26/2005 8:06:07 PM

Order Number: 43644

Date Received: 5/20/2005 11:58:48 AM
P.O. Number: 12-04-770GI

Project Number: 12-04-770GI

Certificate of Analysis - Final Report

On May 20, 2005, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test	Method	Comments
Liquid	Gas/BTEX/MTBE	EPA 8015 MOD. (Purgeable) EPA 8020	
	TPH-Extractable	EPA 8015 MOD. (Extractable)	

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

Sincerely,

Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

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

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

Project ID: 12-04-770GI
Date Received: 5/20/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43644-001 **Sample ID: STMW-1** **Matrix:** Liquid **Sample Date:** 5/19/2005 1:41 PM

EPA 3510C EPA 8015 MOD. (Extractable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	50	µg/L	5/20/2005	DW050520	5/21/2005	DW050520

60ppb higher boiling gasoline compounds in the Diesel range.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	94.6	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	220		1	50	µg/L	N/A	N/A	5/26/2005	WGC4050525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	112	65 - 135

Analyzed by: mruan
Reviewed by: MaiChiTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	11		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Toluene	18		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Ethyl Benzene	3.1		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Xylenes, Total	20		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	5/26/2005	WGC4050525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	65 - 135

Analyzed by: mruan
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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

Project ID: 12-04-770GI
Date Received: 5/20/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43644-002 **Sample ID: STMW-2** **Matrix:** Liquid **Sample Date:** 5/19/2005 12:36 PM

EPA 3510C EPA 8015 MOD. (Extractable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	50	µg/L	5/20/2005	DW050520	5/21/2005	DW050520

50ppb higher boiling gasoline compounds in the Diesel range.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	60	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	170		1	50	µg/L	N/A	N/A	5/26/2005	WGC4050525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	65 - 135

Analyzed by: mruan
Reviewed by: MaiChiTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	11		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Toluene	18		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Ethyl Benzene	3.5		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Xylenes, Total	21		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	5/26/2005	WGC4050525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	65 - 135

Analyzed by: mruan
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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

Project ID: 12-04-770GI
Date Received: 5/20/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43644-003 **Sample ID: STMW-3** **Matrix:** Liquid **Sample Date:** 5/19/2005 11:30 AM

EPA 3510C EPA 8015 MOD. (Extractable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	50	µg/L	5/20/2005	DW050520	5/21/2005	DW050520

250ppb higher boiling gasoline compounds in the Diesel range.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	43.2	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	470		1	50	µg/L	N/A	N/A	5/26/2005	WGC4050525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	65 - 135

Analyzed by: mruan
Reviewed by: MaiChiTu

EPA 8020

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	13		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Toluene	18		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Ethyl Benzene	4.9		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Xylenes, Total	22		1	0.50	µg/L	N/A	N/A	5/26/2005	WGC4050525A
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	5/26/2005	WGC4050525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	65 - 135

Analyzed by: mruan
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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

Project ID: 12-04-770GI
Date Received: 5/20/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43644-004 **Sample ID: STMW-4** **Matrix:** Liquid **Sample Date:** 5/19/2005 10:31 AM

EPA 3510C EPA 8015 MOD. (Extractable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		10	500	µg/L	5/20/2005	DW050520	5/25/2005	DW050520

8000ppb higher boiling gasoline compounds in the Diesel range.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	62.8	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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131 Tully Road
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Attn: Frank Hamedi

Project ID: 12-04-770GI
Date Received: 5/20/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43644-005 **Sample ID: STMW-5** **Matrix:** Liquid **Sample Date:** 5/19/2005 9:25 AM

EPA 3510C EPA 8015 MOD. (Extractable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	50	µg/L	5/20/2005	DW050520	5/24/2005	DW050520

680ppb higher boiling gasoline compounds in the Diesel range.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	82.9	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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

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

QC/Prep Batch ID: DW050520

Validated by: dba - 05/23/05

QC/Prep Date: 5/20/2005

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

Surrogate	% Recovery	Control Limits
o-Terphenyl	**82.4**	22.2 - 133

Entech Analytical Labs, Inc.

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

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

Reviewed by: dba - 05/23/05

QC/Prep Batch ID: DW050520

QC/Prep Date: 5/20/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	867	µg/L	86.7	40 - 138
TPH as Motor Oil	<200	1000	868	µg/L	86.8	40 - 138

Surrogate	% Recovery	Control Limits
o-Terphenyl	**77.9**	22.2 - 133

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	893	µg/L	89.3	**3.0**	25.0	40 - 138
TPH as Motor Oil	<200	1000	889	µg/L	88.9	**2.4**	25.0	40 - 138

Surrogate	% Recovery	Control Limits
o-Terphenyl	**82.5**	22.2 - 133

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

QC Batch ID: WGC4050525A

Validated by: MaiChiTu - 05/26/05

QC Batch Analysis Date: 5/25/2005

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

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**92.3**	65.0 - 135

Method Blank - Liquid - EPA 8020 - BTEX

QC Batch ID: WGC4050525A

Validated by: MaiChiTu - 05/26/05

QC Batch Analysis Date: 5/25/2005

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

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**105.1**	65.0 - 135

Method Blank - Liquid - EPA 8020 - MTBE by EPA 8020

QC Batch ID: WGC4050525A

Validated by: MaiChiTu - 05/26/05

QC Batch Analysis Date: 5/25/2005

Parameter	Result	DF	PQLR	Units
Methyl-t-butyl Ether	ND	1	1.0	µg/L

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**105.1**	65.0 - 135

Entech Analytical Labs, Inc.

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

Laboratory Control Sample / Duplicate - Liquid - EPA 8020 - BTEX

QC Batch ID: WGC4050525A

Reviewed by: MaiChiTu - 05/26/05

QC Batch ID Analysis Date: 5/25/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	8.0	8.64	µg/L	108	65 - 135
Ethyl Benzene	<0.50	8.0	7.96	µg/L	99.5	65 - 135
Toluene	<0.50	8.0	8.44	µg/L	106	65 - 135
Xylenes, total	<0.50	24	24.8	µg/L	103	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**99.7**	65.0 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	8.0	8.24	µg/L	103	**4.7**	25.0	65 - 135
Ethyl Benzene	<0.50	8.0	7.67	µg/L	95.9	**3.7**	25.0	65 - 135
Toluene	<0.50	8.0	7.96	µg/L	99.5	**5.9**	25.0	65 - 135
Xylenes, total	<0.50	24	23.2	µg/L	96.8	**6.5**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**97.2**	65.0 - 135

Entech Analytical Labs, Inc.

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

Laboratory Control Sample / Duplicate - Liquid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

Reviewed by: MaiChiTu - 05/26/05

QC Batch ID: WGC4050525A

QC Batch ID Analysis Date: 5/25/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	250	231	µg/L	92.4	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**95.1**	65.0 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	250	233	µg/L	93.2	**0.90**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**118.2**	65.0 - 135

Entech Analytical Labs, Inc.

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

Laboratory Control Sample / Duplicate - Liquid - EPA 8020 - MTBE by EPA 8020

Reviewed by: MaiChiTu - 05/26/05

QC Batch ID: WGC4050525A

QC Batch ID Analysis Date: 5/25/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methyl-t-butyl Ether	<1.0	8.0	8.19	µg/L	102	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**99.7**	65.0 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methyl-t-butyl Ether	<1.0	8.0	7.88	µg/L	98.5	**3.9**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**97.2**	65.0 - 135

Entech Analytical Labs, Inc.

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

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

Reviewed by: MaiChiTu - 05/26/05

QC Batch ID: WGC4050525A

QC Batch ID Analysis Date: 5/25/2005

MS Sample Spiked: 43686-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
TPH as Gasoline	ND	250	244	µg/L	5/25/2005	97.5	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**102.0**	65.0 - 135

MSD Sample Spiked: 43686-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	ND	250	219	µg/L	5/25/2005	87.7	11	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**94.4**	65.0 - 135

Entech Analytical Labs, Inc.

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

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8020 - BTEX

QC Batch ID: WGC4050525A

Reviewed by: MaiChiTu - 05/26/05

QC Batch ID Analysis Date: 5/25/2005

MS

Sample Spiked: 43686-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	2.8	2.90	µg/L	5/25/2005	103	65 - 140
Ethyl Benzene	ND	3.7	3.15	µg/L	5/25/2005	85.1	65 - 140
Toluene	ND	16	15.5	µg/L	5/25/2005	94.8	65 - 140
Xylenes, total	ND	20	16.5	µg/L	5/25/2005	84.5	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**109.6**	65.0 - 135

MSD

Sample Spiked: 43686-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	2.8	2.90	µg/L	5/25/2005	103	0.0	25.0	65 - 140
Ethyl Benzene	ND	3.7	3.09	µg/L	5/25/2005	83.5	1.9	25.0	65 - 140
Toluene	ND	16	15.2	µg/L	5/25/2005	92.4	2.5	25.0	65 - 140
Xylenes, total	ND	20	15.9	µg/L	5/25/2005	81.4	3.7	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**109.6**	65.0 - 135

Entech Analytical Labs, Inc.

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

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8020 - MTBE by EPA 8020

QC Batch ID: WGC4050525A

Reviewed by: MaiChiTu - 05/26/05

QC Batch ID Analysis Date: 5/25/2005

MS

Sample Spiked: 43686-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Methyl-t-butyl Ether	ND	26	24.9	µg/L	5/25/2005	94.6	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**109.6**	65.0 - 135

MSD

Sample Spiked: 43686-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Methyl-t-butyl Ether	ND	26	25.4	µg/L	5/25/2005	96.6	2.1	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**109.6**	65.0 - 135

CHAIN OF CUSTODY RECORD

PROJ. NO. 12-04-770-GE | NAME 5630 San Pablo Avenue, Oakland

SAMPLERS: (Signature) Rachel Mundy

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHg (5030/8015)	TPHd	BTEX/MTBE (5030/8260)	REMARKS
1	5/19/05	1341		✓	STMW-1	5	✓	✓	✓	43644-001
2		1236		✓	STMW-2	5	✓	✓	✓	002
3		1130		✓	STMW-3	5	✓	✓	✓	003
4		1031		✓	STMW-4	2	✓	✓		004
5	↓	925		✓	STMW-5	2	✓	✓		005
										* All vials are HCL preserved *

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
Rachel Mundy	5/20/05 1026				
	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	5/20/05 1115				
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

Entech Analytical Labs, Inc.

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

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

Certificate ID: 43691 - 6/3/2005 11:10:22 AM

Order Number: 43691

Date Received: 5/24/2005 3:55:47 PM
P.O. Number: 12-04-770GI

Project Number: 12-04-770GI

Certificate of Analysis - Final Report

On May 24, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless

Matrix	Test	Method	Comments
Liquid	Volatile GC/MS	EPA 8260B	
	Volatile-GC	EPA 8015 MOD. (Purgeable)	

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 ID: 12-04-770GI
Date Received: 5/24/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43691-001 **Sample ID: STMW-4** **Matrix:** Liquid **Sample Date:** 5/23/2005 9:01 AM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1,1-Trichloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1,2,2-Tetrachloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1,2-Trichloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1-Dichloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1-Dichloroethene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1-Dichloropropene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,3-Trichlorobenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,3-Trichloropropane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,4-Trichlorobenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,4-Trimethylbenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dibromo-3-Chloropropane	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dibromoethane (EDB)	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dichlorobenzene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dichloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dichloropropane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,3,5-Trimethylbenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,3-Dichlorobenzene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,3-Dichloropropane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,4-Dichlorobenzene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,4-Dioxane	ND		2	100	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2,2-Dichloropropane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Butanone (MEK)	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Chloroethyl-vinyl Ether	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Chlorotoluene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Hexanone	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
4-Chlorotoluene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
4-Methyl-2-Pentanone(MIBK)	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acetone	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acetonitrile	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acrolein	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acrylonitrile	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Benzene	3.2		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Benzyl Chloride	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromobenzene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromochloromethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromodichloromethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromoform	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromomethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Carbon Disulfide	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Carbon Tetrachloride	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chlorobenzene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chloroform	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chloromethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
cis-1,2-Dichloroethene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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 ID: 12-04-770GI
Date Received: 5/24/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43691-001 **Sample ID:** STMW-4 **Matrix:** Liquid **Sample Date:** 5/23/2005 9:01 AM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Cyclohexanone	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Dibromochloromethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Dibromomethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Dichlorodifluoromethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Diisopropyl Ether	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Ethyl Benzene	1.6		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Freon 113	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Hexachlorobutadiene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Iodomethane	ND		2	2.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Isopropanol	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Isopropylbenzene	36		2	2.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Methyl-t-butyl Ether	ND		2	2.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Methylene Chloride	ND	B	2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
n-Butylbenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
n-Propylbenzene	30		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Naphthalene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
p-Isopropyltoluene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Pentachloroethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
sec-Butylbenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Styrene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Amyl Methyl Ether	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Butanol (TBA)	ND		2	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Butyl Ethyl Ether	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Butylbenzene	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Tetrachloroethene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Tetrahydrofuran	ND		2	40	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Toluene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
trans-1,2-Dichloroethene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
trans-1,3-Dichloropropene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
trans-1,4-Dichloro-2-butene	ND		2	2.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Trichloroethene	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Trichlorofluoromethane	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Vinyl Acetate	ND		2	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Vinyl Chloride	ND		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Xylenes, Total	5.0		2	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B

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

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	105	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

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

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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 ID: 12-04-770GI
Date Received: 5/24/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43691-001 **Sample ID: STMW-4** **Matrix:** Liquid **Sample Date:** 5/23/2005 9:01 AM

EPA 5030B EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2700		10	500	µg/L	N/A	N/A	5/26/2005	WGC4050526

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

Analyzed by: mruan
Reviewed by: dba

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Qual = Data Qualifier

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Project ID: 12-04-770GI
Date Received: 5/24/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43691-002 **Sample ID:** STMW-5 **Matrix:** Liquid **Sample Date:** 5/23/2005 10:05 AM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1,1-Trichloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1,2,2-Tetrachloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1,2-Trichloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1-Dichloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1-Dichloroethene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,1-Dichloropropene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,3-Trichlorobenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,3-Trichloropropane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,4-Trichlorobenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2,4-Trimethylbenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dibromo-3-Chloropropane	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dibromoethane (EDB)	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dichlorobenzene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dichloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,2-Dichloropropane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,3,5-Trimethylbenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,3-Dichlorobenzene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,3-Dichloropropane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,4-Dichlorobenzene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
1,4-Dioxane	ND		1	50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2,2-Dichloropropane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Butanone (MEK)	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Chloroethyl-vinyl Ether	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Chlorotoluene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
2-Hexanone	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
4-Chlorotoluene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acetone	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acetonitrile	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acrolein	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Acrylonitrile	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Benzene	16		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Benzyl Chloride	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromobenzene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromochloromethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromodichloromethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromoform	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Bromomethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Carbon Disulfide	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Carbon Tetrachloride	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chlorobenzene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chloroform	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Chloromethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
cis-1,2-Dichloroethene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B

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Project ID: 12-04-770GI
Date Received: 5/24/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43691-002 **Sample ID: STMW-5** **Matrix:** Liquid **Sample Date:** 5/23/2005 10:05 AM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,3-Dichloropropene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Cyclohexanone	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Dibromochloromethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Dibromomethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Dichlorodifluoromethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Ethyl Benzene	0.52		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Freon 113	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Hexachlorobutadiene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Iodomethane	ND		1	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Isopropanol	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Isopropylbenzene	13		1	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Methylene Chloride	ND	B	1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
n-Butylbenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
n-Propylbenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Naphthalene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
p-Isopropyltoluene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Pentachloroethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
sec-Butylbenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Styrene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
tert-Butylbenzene	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Tetrachloroethene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Tetrahydrofuran	ND		1	20	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Toluene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
trans-1,2-Dichloroethene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
trans-1,3-Dichloropropene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
trans-1,4-Dichloro-2-butene	ND		1	1.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Trichloroethene	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Trichlorofluoromethane	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Vinyl Acetate	ND		1	5.0	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Vinyl Chloride	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	5/28/2005	WMS1050527B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	112	75 - 125
Toluene-d8	107	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

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

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Project ID: 12-04-770GI
Date Received: 5/24/2005
P.O. Number: 12-04-770GI
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43691-002 **Sample ID: STMW-5** **Matrix:** Liquid **Sample Date:** 5/23/2005 10:05 AM

EPA 5030B EPA 8015 MOD. (Purgeable)

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1500		5	250	µg/L	N/A	N/A	5/26/2005	WGC4050526

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	131	65 - 135

Analyzed by: mruan
Reviewed by: dba

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Method Blank - Liquid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

QC Batch ID: WGC4050526

Validated by: MaiChiTu - 05/27/05

QC Batch Analysis Date: 5/26/2005

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

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**93.5**	65 - 135

Laboratory Control Sample / Duplicate - Liquid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

QC Batch ID: WGC4050526

Reviewed by: MaiChiTu - 05/27/05

QC Batch ID Analysis Date: 5/26/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	250	230	µg/L	92.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**95.7**	65 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	250	230	µg/L	92.2	**0.22**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**100**	65 - 135

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8015 MOD. (Purgeable) - TPH as Gasoline

QC Batch ID: WGC4050526

Reviewed by: MaiChiTu - 05/27/05

QC Batch ID Analysis Date: 5/26/2005

MS

Sample Spiked: 43687-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
TPH as Gasoline	ND	250	234	µg/L	5/26/2005	93.7	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**102**	65 - 135

MSD

Sample Spiked: 43687-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	ND	250	226	µg/L	5/26/2005	90.6	3.4	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**92.6**	65 - 135

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Method Blank - Liquid - EPA 8020 - MTBE by EPA 8020

QC Batch ID: WGC4050526

Validated by: MaiChiTu - 05/27/05

QC Batch Analysis Date: 5/26/2005

Parameter	Result	DF	PQLR	Units
Methyl-t-butyl Ether	ND	1	1.0	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**96.1**	65 - 135

Laboratory Control Sample / Duplicate - Liquid - EPA 8020 - MTBE by EPA 8020

QC Batch ID: WGC4050526

Reviewed by: MaiChiTu - 05/27/05

QC Batch ID Analysis Date: 5/26/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methyl-t-butyl Ether	<1.0	8.0	8.22	µg/L	103	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**101**	65 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methyl-t-butyl Ether	<1.0	8.0	7.88	µg/L	98.5	**4.2**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**96.6**	65 - 135

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Method Blank - Liquid - EPA 8020 - BTEX

QC Batch ID: WGC4050526

Validated by: MaiChiTu - 05/27/05

QC Batch Analysis Date: 5/26/2005

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

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**96.1**	65 - 135

Laboratory Control Sample / Duplicate - Liquid - EPA 8020 - BTEX

QC Batch ID: WGC4050526

Reviewed by: MaiChiTu - 05/27/05

QC Batch ID Analysis Date: 5/26/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	8.0	8.61	µg/L	108	65 - 135
Ethyl Benzene	<0.50	8.0	8.09	µg/L	101	65 - 135
Toluene	<0.50	8.0	8.53	µg/L	107	65 - 135
Xylenes, total	<0.50	24	24.9	µg/L	104	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**101**	65 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	8.0	8.36	µg/L	104	**2.9**	25.0	65 - 135
Ethyl Benzene	<0.50	8.0	7.68	µg/L	96.0	**5.2**	25.0	65 - 135
Toluene	<0.50	8.0	8.09	µg/L	101	**5.3**	25.0	65 - 135
Xylenes, total	<0.50	24	23.6	µg/L	98.2	**5.7**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**96.6**	65 - 135

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Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8020 - BTEX

QC Batch ID: WGC4050526

Reviewed by: MaiChiTu - 05/27/05

QC Batch ID Analysis Date: 5/26/2005

MS

Sample Spiked: 43687-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	2.8	2.82	µg/L	5/26/2005	100	65 - 140
Ethyl Benzene	ND	3.7	2.92	µg/L	5/26/2005	78.9	65 - 140
Toluene	ND	16	15.1	µg/L	5/26/2005	92.1	65 - 140
Xylenes, total	ND	20	16.6	µg/L	5/26/2005	85.1	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**104**	65 - 135

MSD

Sample Spiked: 43687-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	2.8	2.84	µg/L	5/26/2005	101	0.71	25.0	65 - 140
Ethyl Benzene	ND	3.7	2.96	µg/L	5/26/2005	80.0	1.4	25.0	65 - 140
Toluene	ND	16	15.4	µg/L	5/26/2005	94.0	2.1	25.0	65 - 140
Xylenes, total	ND	20	16.9	µg/L	5/26/2005	86.7	1.9	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**107**	65 - 135

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Method Blank - Liquid - EPA 8260B - EPA 8260B

QC Batch ID: WMS1050527B

Validated by: TFulton - 06/02/05

QC Batch Analysis Date: 5/27/2005

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

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - EPA 8260B - EPA 8260B

QC Batch ID: WMS1050527B

Validated by: TFulton - 06/02/05

QC Batch Analysis Date: 5/27/2005

Parameter	Result	DF	PQLR	Units
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L
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	1.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	10	1	5.0	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	**89.8**	75 - 125
Dibromofluoromethane	**111**	75 - 125
Toluene-d8	**108**	75 - 125

Entech Analytical Labs, Inc.

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

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

QC Batch ID: WMS1050527B

Reviewed by: TFulton - 06/02/05

QC Batch ID Analysis Date: 5/27/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.4	µg/L	92.0	80 - 120
Benzene	<0.50	20	20.5	µg/L	102	80 - 120
Chlorobenzene	<0.50	20	20.9	µg/L	104	80 - 120
Methyl-t-butyl Ether	<1.0	20	22.1	µg/L	110	80 - 120
Toluene	<0.50	20	20.3	µg/L	102	80 - 120
Trichloroethene	<0.50	20	19.8	µg/L	99.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**86.5**	75 - 125
Dibromofluoromethane	**103**	75 - 125
Toluene-d8	**96.9**	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.8	µg/L	94.0	**2.2**	25.0	80 - 120
Benzene	<0.50	20	20.9	µg/L	104	**1.9**	25.0	80 - 120
Chlorobenzene	<0.50	20	20.8	µg/L	104	**0.48**	25.0	80 - 120
Methyl-t-butyl Ether	<1.0	20	23.5	µg/L	118	**6.1**	25.0	80 - 120
Toluene	<0.50	20	20.6	µg/L	103	**1.5**	25.0	80 - 120
Trichloroethene	<0.50	20	20.0	µg/L	100	**1.0**	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**85.7**	75 - 125
Dibromofluoromethane	**103**	75 - 125
Toluene-d8	**97.8**	75 - 125

CHAIN OF CUSTODY RECORD

PROJ. NO. 12-04-770-GI | NAME 5630 San Pablo Ave., Oakland

SAMPLERS (Signature) Rachel Mendy

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED (2) TPHg (5030/8015)	EPA 8260					REMARKS
1	5/23/05	901		✓	STMW-4	3	✓	✓				43691-001	
2	↓	1005		✓	STMW-5	3	✓	✓				002	
													* All vials are HCL preserved *

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
Rachel Mendy	5/24/05 1150				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	5/24/05 1440				
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 "G"

WELL CONSTRUCTION PERMITS

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939 www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5630 San Pablo Avenue
Oakland, CA 94608

CLIENT
Name Mr. Ed Hennet
Address 3840 San Pablo Phone 510-428-3950
City Emeryville Zip 94608

APPLICANT
Name Enviro Soil Tech Consultants Fax 408-292-2116
Address 131 Tully Road Phone 408-297-1500
City San Jose Zip 95111

TYPE OF PROJECT
Well Construction — Geotechnical Investigation
Cathodic Protection — General
Water Supply — Contamination
Monitoring — Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic — Replacement Domestic
Municipal — Irrigation
Industrial — Other

DRILLING METHOD
Mud Rotary — Air Rotary — Auger
Cable — Other Hollow-stem

DRILLER'S NAME Vironex, Inc.

DRILLER'S LICENSE NO 705927

WELL PROJECTS
Drill Hole Diameter in. Maximum
Casing Diameter in. Depth ft
Surface Seal Depth ft Owner's Well Number

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings 5 Maximum
Hole Diameter 8 in. Depth 23 ft

STARTING DATE 4/22/05 4/26/05

COMPLETION DATE 4/26/05 4-28/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. [illegible]

APPLICANT'S SIGNATURE [signature] DATE 4-08-05

PLEASE PRINT NAME Frank Hamedi

Rev. 5-11-04

FOR OFFICE USE
PERMIT NUMBER WS-0470
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(D.) GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or [illegible] compacted cuttings.

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS 8 #1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 4-25-05

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939
www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5630 San Pablo Avenue
Oakland, CA 94608

CLIENT
Name Mr. Ed Hennet
Address 3840 San Pablo Phone 510-428-3950
City Emeryville Zip 94608

APPLICANT
Name Enviro Soil Tech Consultants
Fax 408-292-2116
Address 131 Tully Road Phone 408-297-1500
City San Jose Zip 95111

TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection	General
Water Supply	Contamination
Monitoring	Well Destruction

PROPOSED WATER SUPPLY WELL USE

New Domestic	Replacement Domestic
Municipal	Irrigation
Industrial	Other

DRILLING METHOD

Mud Rotary	Air Rotary	Auger
Cable	Other Hollow-stem	

DRILLER'S NAME Vironex, Inc.

DRILLER'S LICENSE NO. 705927

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 22 ft.
Surface Seal Depth 6-7 ft. Owner's Well Number SVMW-2

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings Maximum
Hole Diameter in. Depth ft.

STARTING DATE 4/22/05 4.26.05
COMPLETION DATE 4/26/05 4-28-05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE DATE 4-08-05
PLEASE PRINT NAME Frank Hamedi

Rev. 3-11-04

FOR OFFICE USE
PERMIT NUMBER W05-0471
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

(C) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION
Send a map of work site. A seperate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS multi

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations

APPROVED DATE 4-25-05

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5633 James Yoo
FAX (510) 782-1939
www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5630 San Pablo Avenue
Oakland, CA 94604

CLIENT
Name Mr. Ed Hemmet
Address 3840 San Pablo Phone 510-428-3950
City Emeryville Zip 94608

APPLICANT
Name Enviro Soil Tech Consultants Fax 408-292-2116
Address 131 Tully Road Phone 408-297-1500
City San Jose Zip 95111

TYPE OF PROJECT
Well Construction — Geotechnical Investigation
Cathodic Protection — General
Water Supply — Contamination
Monitoring — Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic — Replacement Domestic
Municipal — Irrigation
Industrial — Other

DRILLING METHOD
Mud Rotary — Air Rotary — Auger
Cable — Other Hollow-stem

DRILLER'S NAME Vironex, Inc.

DRILLER'S LICENSE NO. 705927

WELL PROJECTS
Drill Hole Diameter 8 in. — Maximum Depth 22 ft.
Casing Diameter 2 in. — Owner's Well Number STMW-2
Surface Seal Depth 6-7 ft.

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings — Maximum
Hole Diameter — in. — Depth — ft.

STARTING DATE 4/22/05 4-26-05

COMPLETION DATE 4/26/05 4-28-05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ DATE 4-08-05

PLEASE PRINT NAME Frank Hamedi

Rev. 5-11-04

FOR OFFICE USE

PERMIT NUMBER W05-0472
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

(C) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole above zone with concrete placed by tremie

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS MW-1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations

APPROVED _____ DATE 4-25-05

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939
www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5630 San Pablo Avenue
Oakland, CA 94608

CLIENT
Name Mr. Ed Hammet
Address 3840 San Pablo Phone 510-428-3950
City Emeryville Zip 94608

APPLICANT
Name Envirn Soil Tech Consultants Fax 408-292-2116
Address 131 Tully Road Phone 408-297-1500
City San Jose Zip 95111

TYPE OF PROJECT
Well Construction
Cathodic Protection
Water Supply
Monitoring
Geotechnical Investigation
General
Contamination
Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic
Municipal
Industrial
Replacement Domestic
Irrigation
Other

DRILLING METHOD:
Mud Rotary
Cable
Air Rotary
Other Hollow-stem
Auger

DRILLER'S NAME Vironex, Inc.

DRILLER'S LICENSE NO 705927

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 4 in. Depth 22 ft
Surface Seal Depth 6-7 ft Owner's Well Number STMW-3

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings Maximum
Hole Diameter in. Depth ft.

STARTING DATE 4/22/05 4.26.05
COMPLETION DATE 4/26/05 4-28-05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 4-08-05

PLEASE PRINT NAME Frank Hamedi

Rev. 3-11-04

FOR OFFICE USE
PERMIT NUMBER WR05-0493
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

(C.) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS MW#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations

APPROVED [signature] DATE 4-25-05

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939 www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5630 San Pablo Avenue
Oakland, CA 94604

CLIENT
Name Mr. Ed Hemmet
Address 3840 San Pablo Phone 510-428-3950
City Emeryville Zip 94608

APPLICANT
Name Enviro Soil Tech Consultants Fax 408-292-2116
Address 131 Tully Road Phone 408-297-1500
City San Jose Zip 95111

TYPE OF PROJECT
Well Construction — Geotechnical Investigation
Cathodic Protection — General
Water Supply — Contamination
Monitoring — Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic — Replacement Domestic
Municipal — Irrigation
Industrial — Other

DRILLING METHOD
Mud Rotary — Air Rotary — Auger
Cable — Other Hollow-stem

DRILLER'S NAME Vironex, Inc.

DRILLER'S LICENSE NO. 705927

WELL PROJECTS
Drill Hole Diameter 8 in. — Maximum
Casing Diameter 2 in. — Depth 22 ft.
Surface Seal Depth 6-7 ft. — Owner's Well Number STMW-4

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings — Maximum
Hole Diameter — in. — Depth — ft

STARTING DATE 4/22/05 4-26-05

COMPLETION DATE 4/26/05 4-28-05

I AGREE to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

APPLICANT'S SIGNATURE [signature] DATE 4-08-05

PLEASE PRINT NAME Frank Hamedi

Rev 5/1/96

FOR OFFICE USE
PERMIT NUMBER WR5-0474
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

(C.) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet

G. SPECIAL CONDITIONS MW#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations

APPROVED [signature] DATE 4-25-05

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 Jamet Yee
FAX (510) 782-1939
www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5630 San Pablo Avenue
Oakland, CA 94608

CLIENT
Name Mr. Ed Hemmet
Address 3840 San Pablo Phone 510-428-3950
City Emeryville Zip 94608

APPLICANT
Name Enviro Soil Tech Consultants Fax 408-292-2116
Address 131 Tully Road Phone 408-297-1500
City San Jose Zip 95111

TYPE OF PROJECT
- Well Construction
- Cathodic Protection
- Water Supply
- Monitoring
- Geotechnical Investigation
- General
- Contamination
- Well Destruction

PROPOSED WATER SUPPLY WELL USE
- New Domestic
- Municipal
- Industrial
- Replacement Domestic
- Irrigation
- Other

DRILLING METHOD:
- Mud Rotary
- Air Rotary
- Auger
- Cable
- Other Hollow-stem

DRILLER'S NAME Vironex, Inc.

DRILLER'S LICENSE NO. 705927

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 22 ft.
Casing Diameter 4 in. Owner's Well Number STMW-5
Surface Seal Depth 2 ft.

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings Maximum
Hole Diameter in. Depth ft.

STARTING DATE 4/22/05 4-26-05
COMPLETION DATE 4/26/05 4-28-05

I agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

APPLICANT'S SIGNATURE [signature] DATE 4-08-05
PLEASE PRINT NAME Frank Hamedi

Rev.5-11-04

FOR OFFICE USE
PERMIT NUMBER W05-0405
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

(C.) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION
Send a map of work site. A seperate permit is required for wells deeper than 45 feet.

(G.) SPECIAL CONDITIONS Part 2

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 4-25-05

File No. 12-04-770-GI

A P P E N D I X "H"

WELL COMPLETION REPORTS

ENVIRO SOIL TECH CONSULTANTS

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

A P P E N D I X "I"

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-GI

WELL NO.: STMW-1

DATE: 5-19-05

SAMPLER: Rachel Moody

DEPTH TO WELL: _____

1 WELL VOLUME: 2.2

DEPTH TO WATER: 6FT .68

5 WELL VOLUME: 11

HEIGHT OF WATER COLUMN: _____

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 13.32

4" - 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	7.20	17.3	589
	6 GAL	6.68	17.0	607
	9 GAL	7.22	16.9	715

7FT .70

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Tel: (408) 297-1500 Fax: (408) 292-2116

FILE NO.: 12-04-770-GI

DATE: 5-19-05

DEPTH TO WELL: _____

DEPTH TO WATER: 7 ft .32

HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-2

SAMPLER: Richard Munds

1 WELL VOLUME: 2.1

5 WELL VOLUME: 10.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 12.68

4" - 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	7.16	17.9	388
	6 gal	7.13	17.7	453
	9 gal	7.18	17.9	498

8 ft .52

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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: 5-19-05
DEPTH TO WELL: _____
DEPTH TO WATER: 8 Ft 1.26
HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-3
SAMPLER: Rubel Mendez
1 WELL VOLUME: 1.9
5 WELL VOLUME: 9.5
ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 11.74
4" - 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	7.20	17.4	421
	6 gal	7.14	17.2	443
	9 gal	7.03	17.1	468

8 Ft .96

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FILE NO.: 12-04-770-GT
DATE: 5-19-05
DEPTH TO WELL: _____
DEPTH TO WATER: 8.10
HEIGHT OF WATER COLUMN: _____

WELL NO.: STMW-4
SAMPLER: Richard Munoz
1 WELL VOLUME: 1.9
5 WELL VOLUME: 9.5
ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 11.9
4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER
SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: _____ NO ✓ YES, DESCRIBE: Rainbow
ODOR: _____ NO ✓ YES, DESCRIBE: Light Petro

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	3 gal	7.12	17.1	480
	6 gal	7.01	16.6	571
	9 gal	7.03	16.5	601

8.27 .60

ENVIRO SOIL TECH CONSULTANTS

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Tel: (408) 297-1500 Fax: (408) 292-2116

FILE NO.: 12-04-770-GI

WELL NO.: STMW-5

DATE: 5-19-05

SAMPLER: Richard Mendez

DEPTH TO WELL: _____

1 WELL VOLUME: 2.2

DEPTH TO WATER: 6 FT 1.58

5 WELL VOLUME: 11

HEIGHT OF WATER COLUMN: _____

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" _____ 4"

CALCULATIONS:

2" - x 0.1632 13.42

4" - 0.653 _____

PURGE METHOD: _____ BAILER ✓ DISPLACEMENT PUMP _____ OTHER

SAMPLE METHOD: ✓ BAILER _____ OTHER

SHEEN: _____ NO ✓ YES, DESCRIBE: LIGHT RAINBOW

ODOR: ✓ NO _____ YES, DESCRIBE: _____

FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
	3 GAL	6.97	17.5	671
	6 GAL	7.00	17.6	710
	9 GAL	7.03	17.8	733

7 FT .42