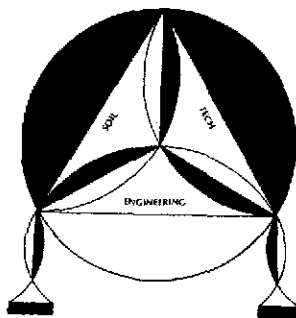


SIONAL INVESTIGATION AND GROUNDWATER SAMPLING
FOR THE SITE LOCATED AT
5175 BROADWAY STREET
OAKLAND, CALIFORNIA
JULY 23, 1991



SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD ■ SANTA CLARA, CA 95050 ■ (408) 496-0265 ■ (415) 791-6406

File No. 8-90-420-GI

91 SEP 6 11:00 50

**ADDITIONAL INVESTIGATION AND GROUNDWATER SAMPLING
FOR THE SITE LOCATED AT
5175 BROADWAY STREET
OAKLAND, CALIFORNIA
JULY 23, 1991**

**PREPARED FOR:
MR. MOHAMMED MEHDIZADEH
150 RANDOM WAY
PLEASANT HILL, CALIFORNIA 94523**

**BY:
SOIL TECH ENGINEERING, INC.
298 BROKAW ROAD
SANTA CLARA, CALIFORNIA 95050**

SOIL TECH ENGINEERING, INC.

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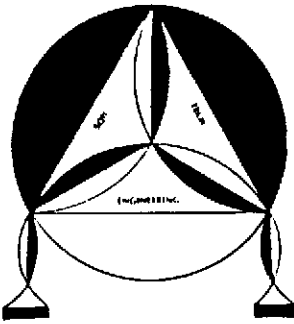
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SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

July 23, 1991

File No. 8-90-420-GI

Mr. Mohammad Mehdizadeh
150 Random Way
Pleasant Hill, California 94523

Reference: Additional Investigation and
Groundwater Sampling for the Site
Located at 5175 Broadway Street, in
Oakland, California

Dear Mr. Mehdizadeh:

The attached report presents the results of additional investigation and groundwater sampling performed during June 1991, by Soil Tech Engineering, Inc. (STE), at the subject site located at 5175 Broadway Street, in Oakland, California (Figure 1).

The following work was performed:

- 1) Installed two additional monitoring wells.
- 2) Measured depth-to-groundwater and liquid-hydrocarbon thickness (if present) in the three on-site wells and the two new wells.
- 3) Collected groundwater samples from the on-site, existing wells and the new wells for analysis of Total Petroleum Hydrocarbons (TPH) and Aromatic Hydrocarbons (EPA Method 8020).

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- 4) Updated the database for water level/liquid-hydrocarbon level measurements and groundwater chemistry data.
- 5) Reviewed results and prepared a report of the investigation.

If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

SOIL TECH ENGINEERING, INC.

Lynette D. Smith

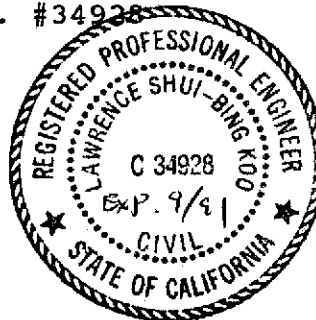
LYNETTE SMITH
ENVIRONMENTAL EDITOR

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Frank Hamedi-Fard

FRANK HAMEDI-FARD
GENERAL MANAGER



ADDITIONAL INVESTIGATION AND
GROUNDWATER SAMPLING FOR THE SITE
LOCATED AT 5175 BROADWAY STREET
OAKLAND, CALIFORNIA
JULY 23, 1991

BACKGROUND:

The site is located in a residential and light retail district (Figure 1).

In January 1990, Tank Protect Engineering, Inc. (TPE), was retained to supervise the removal of three 8,000 gallon underground gasoline tanks and one 500 gallon waste oil tank, to conduct soil sampling, soil excavation, soil treatment, soil disposal and to install three monitoring wells.

Initial analytical results of soil samples taken after the tank removal showed moderate levels of Total Petroleum Hydrocarbons as gasoline (TPHg) in two locations only. The rest of the samples showed TPHg ranging from non-detected to less than 120 parts per million (ppm). Due to the presence of TPHg noted in the excavation, TPE installed three monitoring wells (MW-1 to MW-3) on-site, as required by state and local regulatory agencies (Figure 2). TPE's preliminary groundwater assessment indicated that the shallow groundwater had been impacted. Therefore, TPE treated the excavated soil on-site to acceptable levels, according to County Health guidelines, to be re-used in the excavation.

The Alameda County Health Department (ACHD) requested the property owner to conduct further investigation in order to define the extent of dissolved hydrocarbon contamination in the groundwater.

Therefore, Soil Tech Engineering, Inc. (STE), was retained in September 1990 to conduct monitoring and sampling of the on-site monitoring wells. The objective of the quarterly groundwater sampling program was to monitor seasonal and long-term variations in the conditions of the shallow aquifer beneath the site and to determine the direction of the groundwater flow for further investigation.

STE sampled the three on-site groundwater monitoring wells (MW-1 to MW-3) on September 26, 1990, and January 14, 1991. The sampling was conducted in accordance with ACHD and California Regional Water Quality Control Board (CRWQCB) guidelines and our Standard Operation Procedures detailed in Appendix "B". The quarterly sampling reports were submitted to the Alameda County Health Department (ACHD) and the Regional Water Quality Control Board (RWQCB) in November 1990 and February 1991.

ADDITIONAL SUBSURFACE ASSESSMENT:

Per the request of the Alameda County Health Department (ACHD) in a letter dated March 29, 1991, STE installed two additional monitoring wells (STMW-1 and STMW-2). This section describes the

methods and procedures used in soil boring, soil sampling, monitoring well installation, well development and sampling of the two newly installed wells.

Soil Boring and Sampling:

On June 21, 1991, Alpha Geo Services, a licensed C-57 contractor, drilled two soil borings (STMW-1 and STMW-2) at the site. The locations of these borings are shown in Figure 2. These borings were drilled to 20 and 24 feet below ground surface (bgs) using eight-inch I.D. hollow stem auger equipment. All down-hole equipment was steam-cleaned before use and between boreholes to minimize the potential for cross-contamination. Prior to drilling, the necessary permit was obtained from Alameda County Flood Control and Water Conservation District (ACFCWCD). The permit for well installation is attached to this report (Appendix "D").

During drilling, groundwater was encountered at approximately 13 feet below the ground surface in well STMW-1 and 22 feet below the ground surface in well STMW-2.

A detailed lithologic log of each boring was prepared on-site by the STE project engineer. These logs provide a record of subsurface materials encountered, hydrogeologic information and results of field screening of soil samples for volatile hydrocarbon compounds. Boring logs are included in Appendix "C" of this report.

Discrete soil samples were collected at five-foot depth intervals using a California-modified sampler with stainless steel liners. The deepest tube from each driven sample was immediately sealed with Teflon tape and plastic caps, then stored in a cold ice chest. Strict chain-of-custody procedures were followed throughout sample acquisition, storage and transport. Copies of chain-of-custody records are included in Appendix "E" of this report.

Soil cuttings from drilling operations were placed on and covered with plastic sheeting and temporarily stored on-site pending the results of laboratory analyses. Arrangements are in progress for appropriate off-site disposal of this material.

Monitoring Well Installation:

STE installed two groundwater monitoring wells (STMW-1 and STMW-2) in the soil borings immediately following the completion of each boring. The locations of these wells are shown in Figure 2. The rationale for selecting these well locations is as follows:

- STMW-1 - Up-gradient well, necessary for determination of up-gradient water quality, provides soil and groundwater data near the eastern property boundary.
- STMW-2 - Down-gradient of the former tank complex, this well lies along the presumed down-gradient property boundary.

Exploration and installation of the new on-site wells were conducted in accordance with ACFCWCD well construction guidelines and STE's Standard Operation Procedures (SOP) attached to this report in Appendix "B".

Well Development and Sampling:

STE developed wells STMW-1 and STMW-2 on June 24, 1991. Prior to development, all wells were sounded to determine the depth to water and potential presence of free phase hydrocarbons. Except for a trace of sheen noted in STMW-1, no indication of floating product was observed. Measured water levels in each well were several feet shallower than the depth at which water was first encountered during drilling.

The monitoring wells were developed by mechanical surging and bailing until the water was reasonably free of sediment. Prior to use in each well, the development equipment was steam-cleaned to reduce the potential for cross-contamination. During development, approximately 55 gallons of water were produced from each well. This water was temporarily stored on-site in labeled DOT 17H drums pending the results of laboratory analyses. Arrangements were made for appropriate off-site disposal of the water. A copy of the disposal manifest is in Appendix "F".

On July 3, 1991, STE collected groundwater samples from wells MW-1 through MW-3 and from new wells STMW-1 and STMW-2. Before each sample was collected, approximately four to five well volumes

of water were removed from each well using a bailer. Prior to collecting the samples, temperature, Ph and conductivity were allowed to stabilize. A clean Teflon bailer was used for sample collection. Before and after the sampling of each well, water sampling equipment was decontaminated using non-phosphate soap and water wash, followed by double rinsing in potable and deionized water.

Groundwater samples were put in laboratory-cleaned 40 milliliter glass vials with Teflon-lined septa. After labeling, they were immediately stored in a cold ice chest. Strict chain-of-custody procedures were maintained during sample acquisition, storage and transport. A copy of the chain-of-custody report is included in Appendix "E" of this report.

SITE GEOLOGY AND HYDROGEOLOGY:

Site-specific geology and hydrogeology information has been developed from a U.S.G.S Geological Survey Map, existing geological information and soil borings completed at the site by STE (in 1991) and Tank Protect Engineering (in 1990).

Site Geology:

In 1990, Tank Protect Engineering drilled three borings and completed them as wells (MW-1 to MW-3). In 1991, STE explored the soil stratigraphy beneath the site by drilling two shallow borings, which were then completed as monitoring wells (STMW-1 and STMW-2).

Descriptions of the subsurface materials STE encountered during drilling are provided in the boring logs included in Appendix "C" of this report.

The boring logs indicated that the native soil beneath the site consists of an irregularly layered sequence of silty clay, clayey soil, some lenses of silty gravelly clay and hard fracture shale.

Based on the review of regional geologic maps (U.S. Geological Survey Map GQ-769 "Areal and Engineering Geology of the Oakland East Quadrangle, California" by D.H. Radbruch, 1969), the subject site is underlaid by Jurassic and Cretaceous age bedrock materials of the Franciscan Complex, which is described as typically consisting of sandstone and shale. The site is located approximately 7,000 feet southwest of the active Hayward Fault.

Site Hydrogeology:

Groundwater was encountered during the drilling of the new wells at depths ranging from approximately 13 to 22 feet below ground surface (bgs) in borings STMW-1 and STMW-2. Measured static water levels in the existing monitoring wells (MW-1 to MW-3) ranged from approximately nine to thirteen feet below ground surface.

The groundwater flow direction appeared to be west to southwest on July 3, 1991 (based on water level data gathered from the 5 monitoring wells before sampling).

The wells were resurveyed later because the property was graded and resurfaced.

RESULTS OF LABORATORY ANALYSES:

This section presents the results of laboratory analyses for soil and groundwater samples collected during this assessment. Copies of laboratory reports and chain-of-custody records are included in Appendix "E" of this report.

Results of Laboratory Analysis of Soil Samples:

Four soil samples from wells STMW-1 and STMW-2 were submitted to Anametrix, Inc., on June 24, 1991. These samples were analyzed using EPA Methods 5030 for Total Petroleum Hydrocarbons (TPH) in the gasoline range and EPA Method 8020 for differentiation of Benzene, Toluene, Ethylbenzene and Xylenes (BTEX). Copies of laboratory reports and the chain-of-custody records for these samples are included in Appendix "E" of this report.

The results of laboratory analysis of soil samples are presented in Table 1. These results show petroleum hydrocarbon compounds levels were below the detection limit.

Results of Laboratory Analysis of Groundwater Samples:

Groundwater samples from wells MW-1 through MW-3 and newly installed wells STMW-1 and STMW-2 were submitted to Anametrix, Inc., on July 3, 1991. Samples were analyzed using EPA Method 5030

for TPH in the gasoline range, and EPA Method 8020 for BTEX differentiation. Copies of laboratory reports and the chain-of-custody records for these samples are included in Appendix "E" of this report.

The wells were monitored and purged prior to sampling on June 24, 1991. Table 2 summarizes the monitoring data of all five on-site wells, and Table 3 summarizes the results of the laboratory analysis.

Low levels of dissolved Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) were detected in all 5 wells. The presence of low levels of TPHg and BTEX in the up-gradient well, STMW-1, (located in the east corner of the property) indicates a potential off-site source.

The concentration of dissolved hydrocarbons in the down-gradient well, STMW-2, is several fold less than the concentration of dissolved hydrocarbons in well MW-3, which is located approximately 25 feet up-gradient. This indicates that the concentration has decreased in the down-gradient well, so the contamination may not migrate beyond the south property boundary. The subsequent quarterly monitoring will provide more data to substantiate our assumptions about lateral migration and a potential off-site source.

A comparison of the recent analytical results of existing on-site wells (MW-1 to MW-3) with the September 1990 results showed substantial decreases in the concentration of TPHg, in wells MW-1 and MW-3, but an increase in TPHg levels in well MW-2.

RECOMMENDATION:

The recent analytical results show that a potential off-site source may be impacting the site. To confirm such evidence, STE recommends the continuation of the current monitoring and sampling of the five on-site wells for the next four quarters. The proposed monitoring and sampling program then should be re-evaluated.

A copy of this report should be sent to the Alameda County Health Department and the California Regional Water Quality Control Board.

SCHEDULE:

The next monitoring and sampling of the wells will be scheduled in October 1991.

LIMITATIONS AND UNIFORMITY OF CONDITIONS:

The monitoring well installation services or soil and water sampling for pollution on this project was a direct request by Soil Tech Engineering, Inc.'s client. These installations were performed to meet the existing requirements for near-surface groundwater monitoring.

This service does not make Soil Tech Engineering, Inc., liable for future maintenance, repairs, damages, injury to a third party or any other elements causing future problems.

The locations of these monitoring wells are approximate and should not be used for any reference point, surveying, or any other uses except studying groundwater.

File No. 8-90-420-GI

Any recommendations that were made in this report are based upon the assumption that the soil conditions do not deviate from those disclosed in the borings.

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

The findings of this report are based on the results of an independent laboratory and are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man, on this property or adjacent properties.

TABLE 1
SOIL ANALYTICAL RESULTS
IN
MILLIGRAMS PER KILOGRAM (mg/Kg)

Date	Sample #	Depth (ft.)	TPHg	B	T	E	X
6/21/91	4-5	5	ND	ND	ND	ND	ND
	4-10	10	ND	ND	ND	ND	ND
	5-5	5	ND	ND	ND	ND	ND
	5-10	10	ND	ND	ND	ND	ND
Detection Limit			0.5	0.005	0.005	0.005	0.005

TPHg = Total Petroleum Hydrocarbons as Gasoline
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene
 ND = Not Detected (Below Detection Limit)

TABLE 2
GROUNDWATER MONITORING DATA

Date	Well #	Elevation (feet)	Water Depth (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	Petroleum Odor
7/03/91	MW-1	102.04	9.417	92.623	--	Light
	MW-2	102.02	10.083	91.937	--	Light
	MW-3	102.46	12.083	90.377	Sheen	Strong
	STMW-1	103.58	11.00	92.58	Sheen	Mild
	STMW-2	101.99	13.917	88.073	--	None

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
IN
PARTS PER MILLION (ppm)

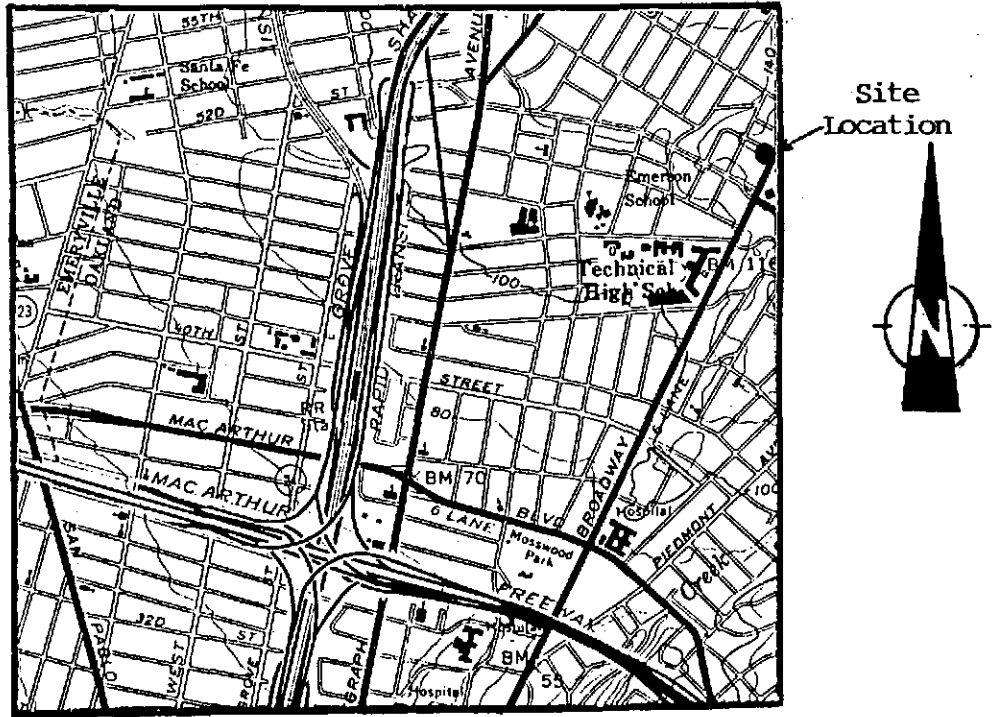
Date	Well No.	TPHg	B	T	E	X
4/30/89*	MW-1	0.2	0.018	0.005	0.002	0.012
	MW-2	0.23	0.039	0.018	0.005	0.023
	MW-3	56	3.6	8.6	1.3	7.2
9/26/90	MW-1	1.3	0.055	0.031	0.12	0.1
	MW-2	0.85	0.094	0.005	0.025	0.047
	MW-3	54	5.1	0.42	1.6	8.0
1/14/91	MW-1	1.7	0.057	0.028	0.041	0.053
	MW-2	3.1	0.35	0.083	0.086	0.13
	MW-3	35	2.6	6.6	1.5	5.7
7/03/91	MW-1	0.58	0.032	0.041	0.04	0.055
	MW-2	1.5	0.3	0.052	0.024	0.034
	MW-3	33	4.1	4.3	1.4	4.8
	STMW-1**	3.1	0.61	0.062	0.039	0.15
	STMW-2**	0.69	0.099	0.081	0.019	0.098

TPHg = Total Petroleum Hydrocarbons as gasoline

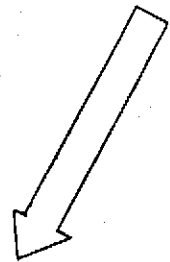
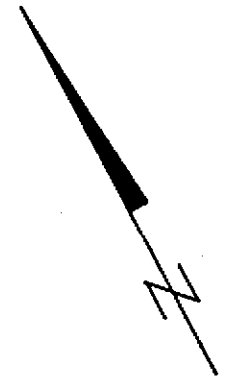
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

** = Soil Tech Engineering, Inc., Monitoring Wells

* = Analytical Results from TPE Site Assessment



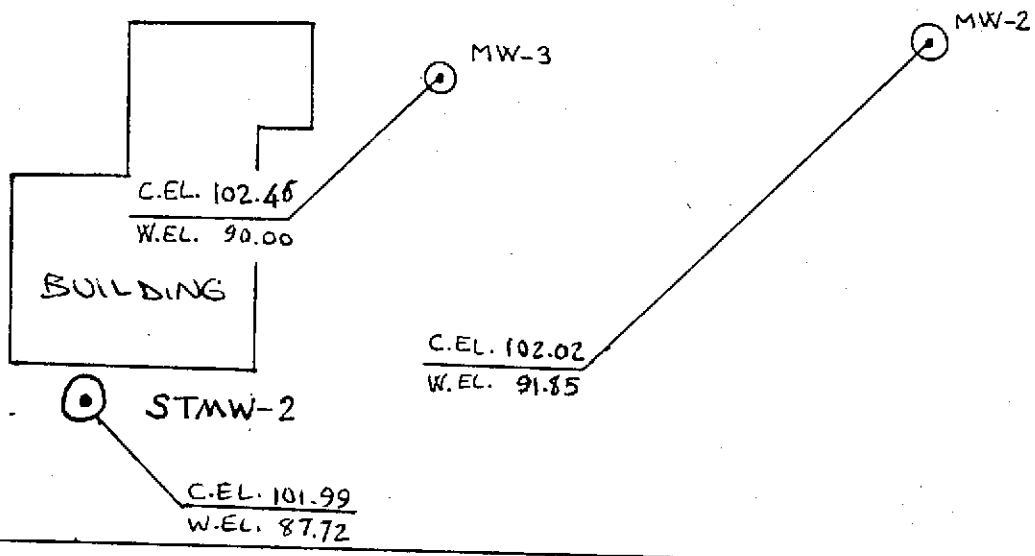
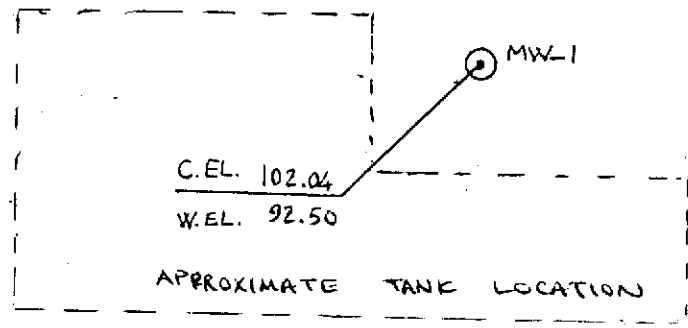
USGS 7.5 Minute Series
Oakland West Quadrangle
© 1980



APPROXIMATE
DIRECTION OF
GROUND WATER
FLOW AS 7-3-91

CORONADO AVE

RESIDENTIAL
BUILDING



BROADWAY

COMMERCIAL
BUILDING

STREET
FLOW LINE

⊙ EXISTING MONITORING WELL

5175 BROADWAY OAKLAND CA		
1"=20'	PROJECT NO 8-90-420GI	FIG-2
DRAWN BY NA		7-3-91
SOIL TECH ENGINEERING INC. 298 BROKAW RD. SANTA CLARA CA 95050		

DRILLING AND SOIL SAMPLING PROCEDURE

A truck mounted drill rig, using a continuous solid flight, hollow-stem auger was used in drilling the soil boring to the desired depth (see the Boring Log for more details).

Prior to drilling, all drilling equipment (i.e. auger, pin, drilling head) was thoroughly steam-cleaned to minimize the possibility of cross-contamination and/or vertical migration of possible contaminants.

In addition, prior to obtaining each individual soil sample, all sampling tools, including the split-spoon sampler and brass liners were thoroughly washed in a Trisodium Phosphate (TSP) solution followed by a rinse in distilled water.

During the drilling operation, relatively undisturbed soil samples were taken from the required depth by forcing a 2-inch I.D., split-spoon sampler insert with a brass liner into the ground by means of a 140-lb. hammer falling 30-inches or by hydraulic forces at various depths.

The samplers withdrew relatively undisturbed soil. In general, the first section of soil from the sampler (shoe) was used in the field for lithologic inspection and evidence of contamination. The selected brass liner was immediately trimmed,

the ends of the brass liner were covered tightly with aluminum foil and plastic caps, sealed with tape, labeled, placed in a plastic bag and stored in an ice chest in order to minimize the escape of any volatiles present in the samples. Soil samples for analysis were sent to a state-certified hazardous waste laboratory accompanied by a chain-of-custody record.

Soil samples collected at each sampling interval were inspected for 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 purpose of this field analysis was to qualitatively determine the presence or absence of hydrocarbons and to establish which soil samples would be analyzed at the laboratory. The soil sample was then sealed in a ZipLoc plastic bag and placed in the sun to enhance volatilization of the hydrocarbons from the sample. The data was recorded on the drilling log at the depth corresponding to the sampling point.

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

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

MONITORING WELL INSTALLATION

Prior to well installation, all the necessary permits were obtained from the local regulatory agencies.

The boreholes for the monitoring wells were drilled 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 P.V.C. 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 P.V.C. 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. A one 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 were 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 boxes with a special type of Allen screw were installed around the well head, (for wells in parking lots, driveways and building areas). Steel stove pipes with padlocks were usually set over well-heads 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 included 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 continued until the discharged water appeared to be relatively free of all turbidity.

All water and sediment generated by well development were collected in 55-gallon steel drums (Department of Transportation approved), closed-head (17-H) for temporarily storage, and were then 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" were filled out (depth to water and total depth of water column were measured and recorded). The well was then bailed or pumped to remove four to ten well volumes or until the discharged water temperature, conductivity and pH stabilized. "Stabilized" is defined as three consecutive readings within 15% of one another.

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


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

Logged By: Noori Ameli	Exploratory Boring Log	Boring No. STMW-1
Date Drilled: 6/21/91	Approx. Elevation	Boring Diameter 8-inch

Drilling Method

Mobile drill rig B-40L

Sampling Method

Depth, Ft.	Sample No.	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
1					2-inch asphalt, 2-inch baserock.
2					Reddish-brown silty clay, stiff.
3					Light brown silty clay, stiff.
4					Light brown silty gravelly clay.
5	4-5				Light brown clayey gravelly silt, stiff.
6					
7					
8					
9					
10	4-10				Light brown clayey gravelly silt, mild petroleum odor.
11					Medium size rocks ($\frac{1}{2}$ inch - 1 inch).
12					
13					 Groundwater level encountered at 13 feet. Stronger odor, moist.
14					
15					Color changes to darker.
16					

Remarks

Logged By: Noori Ameli	Exploratory Boring Log	Boring No. SIMW-1
Date Drilled: 6/21/91		Approx. Elevation
Drilling Method		Boring Diameter 8-inch

Drilling Method	Sampling Method
Mobile drill rig B-40L	

Depth, Ft.	Sample No.	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
7					Color changes to darker.
18					
19					Boring terminated at 19-feet 6-inches.
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

Remarks

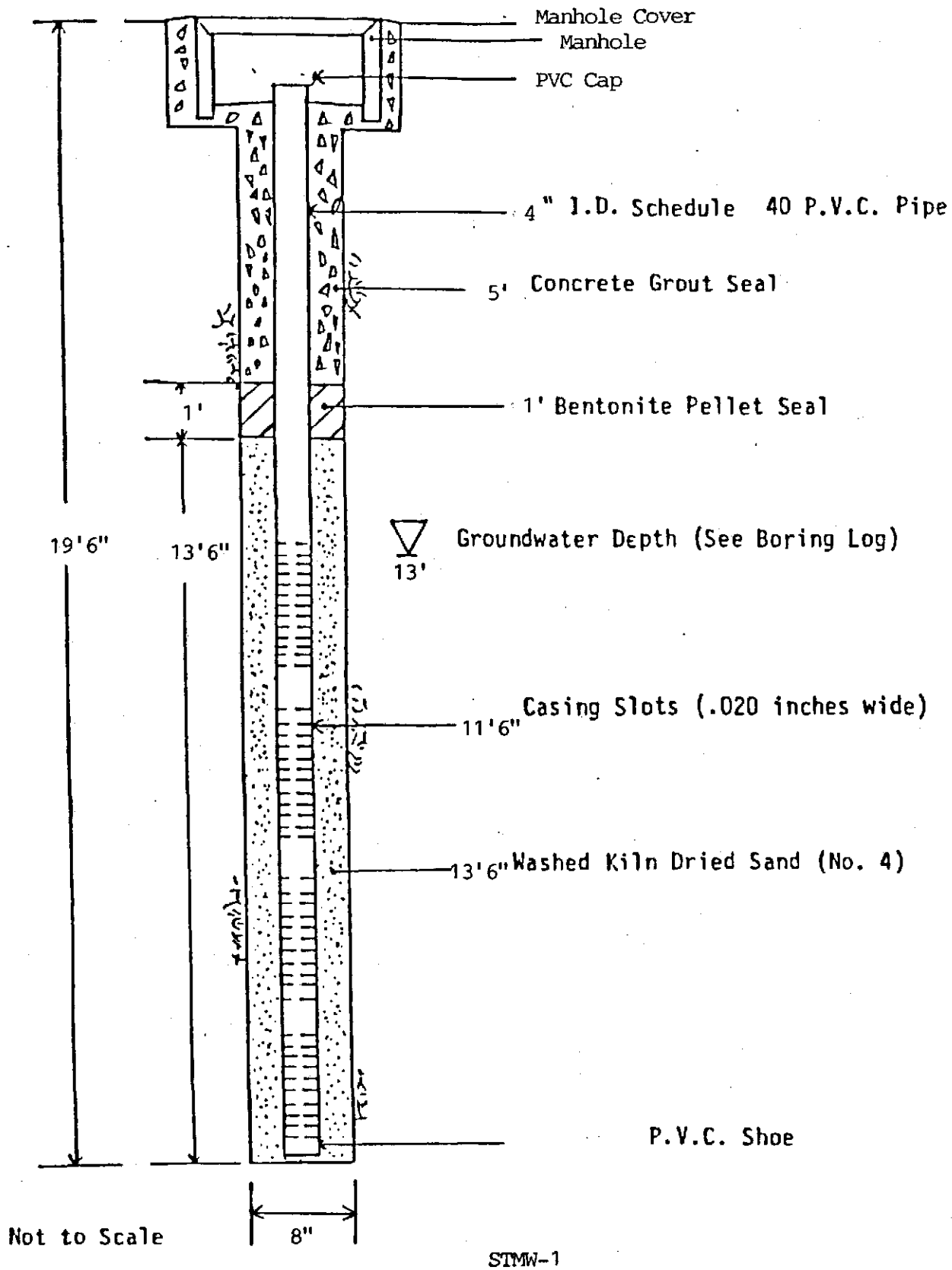
Logged By: Noori Ameli		Exploratory Boring Log		Boring No. STMW-2	
Date Drilled: 6/21/91		Approx. Elevation		Boring Diameter 8-inch	
Drilling Method Mobile drill rig B-40L				Sampling Method	
Depth, Ft.	Sample No.	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Unified Soil Classification	DESCRIPTION
1					4-inch asphalt, 3-inch baserock.
2					Medium brown silty clay with some gravel.
3					
4					
5-5	5-5				Medium brown/dark grey silty clay, firm.
6					
7					
8					
9					
10	5-10				Dark greenish-grey silty clay with some pea gravel.
11					
12					
13					
14					Olive-green silty clay with some medium size gravel.
15					More gravel in the soil. Light petroleum odor.
16					Olive-green silty clayey gravel.
Remarks					

Logged By: Noori Ameli	Exploratory Boring Log	Boring No. STMW-2
Date Drilled: 6/21/91	Approx. Elevation	Boring Diameter 8-inch

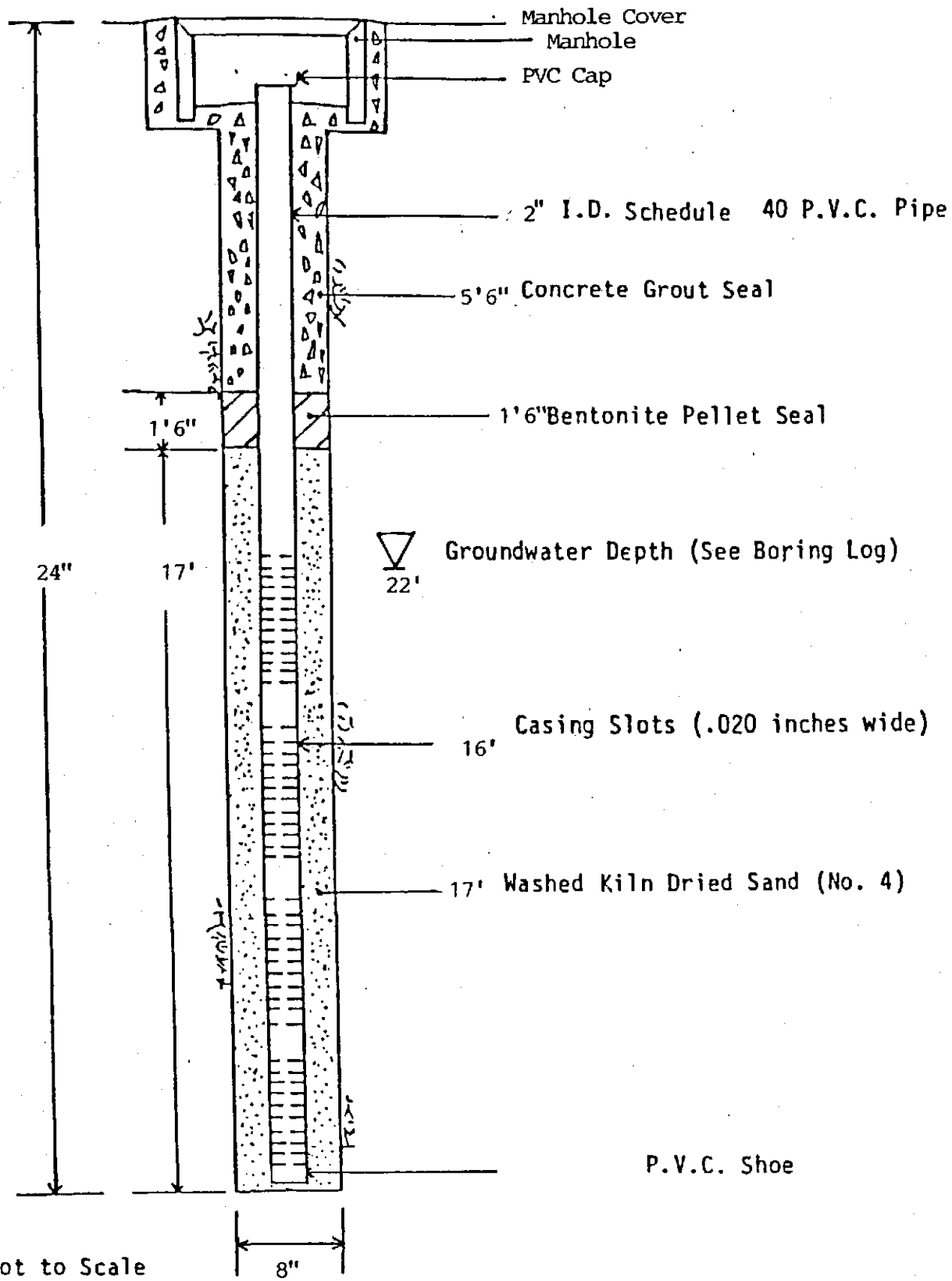
Drilling Method Mobile drill rig B-40L	Sampling Method
---	-----------------

Depth, Ft.	Sample No.	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
7					Olive-green silty clayey gravel.
18					
19					
20	5-20				Olive-green silty clay with some pea gravel.
21					Olive-brown silty clay with small and medium size gravel.
22					▽ Groundwater level encountered at 22 feet.
23					
24					Boring terminated at 24 feet.
25					
26					
27					
28					
29					
30					
31					
32					

Remarks



Piezometer Schematic



Not to Scale

STMW-2

Piezometer Schematic.



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5907 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94589 (510) 484-2600

1 May 1991

Alpha Geo Services, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Gentlemen:

Enclosed is Drilling Ordinance permit 91238 for a monitoring well construction project at 5175 Broadway in Oakland for Mohammed Mehdizadeh.

Please note that permit condition A-2 requires that a well construction report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, and permit number.

If you have any questions, please contact Wyman Hong or me at 484-2600.

Very truly yours,

Craig A. Mayfield
Craig A. Mayfield
Water Resources Engineer

WH:mm
Enc.



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (415) 484-2000

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 5175 Broadway
OAKLAND CA 94611

PERMIT NUMBER 91238
LOCATION NUMBER _____

CLIENT
Name Mohammad H. Mehdizadeh
Address 150 Ransom WY Phone (408) 942-1843 Ext 2519
City Pleasant Hill Zip 94523

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name Alpha Geo Services

Address 298 Brookway Rd Phone (408) 988-1032
City SANTA CLARA CA Zip 95050

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

PROPOSED WATER SUPPLY WELL USE
Domestic Industrial Other
Municipal Irrigation

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S LICENSE NO. 507520

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 25 ft.
Surface Seal Depth 5 ft. Number 2

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

ESTIMATED STARTING DATE 5/15/91
ESTIMATED COMPLETION DATE 5/22/91

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

APPLICANT'S SIGNATURE N. Andri Date 4/29/91

- (A.) GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.
- (B.) WATER WELLS, INCLUDING PIEZOMETERS
 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. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.
- E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 30 Apr 91
Wyman Hong

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

ANAMETRIX INC

Environmental & Analytical Chemistry
 1961 Concourse Drive, Suite E, San Jose, CA 95131
 (408) 432-8192 • Fax (408) 432-8198

**REPORT**

MR. FRANK HAMEDI
 SOIL TECH ENGINEERING
 298 BROKAW ROAD
 SANTA CLARA, CA 95050

Workorder # : 9106269
 Date Received : 06/24/91
 Project ID : 8-90-420-GI
 Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9106269- 1	4-5
9106269- 2	4-10
9106269- 3	5-5
9106269- 4	5-10

This report consists of 5 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

Sarah Schoen, Ph.D.
 Laboratory Manager

7-02-91

Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9106269
Date Received : 06/24/91
Project ID : 8-90-420-GI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9106269- 1	4-5	SOIL	06/21/91	TPHg/BTEX
9106269- 2	4-10	SOIL	06/21/91	TPHg/BTEX
9106269- 3	5-5	SOIL	06/21/91	TPHg/BTEX
9106269- 4	5-10	SOIL	06/21/91	TPHg/BTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9106269
Date Received : 06/24/91
Project ID : 8-90-420-GI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmer 7/1/91
Department Supervisor Date

C. Fern 7.1.91
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9106269
Matrix : SOIL
Date Sampled : 06/21/91

Project Number : 8-90-420-GI
Date Released : 07/01/91

Reporting Limit	Sample I.D.#	Sample I.D.#	Sample I.D.#	Sample I.D.#	Sample I.D.#
	4-5	4-10	5-5	5-10	08B0626A
COMPOUNDS (mg/Kg)	-01	-02	-03	-04	BLANK
Benzene	0.005	ND	ND	ND	ND
Toluene	0.005	ND	ND	ND	ND
Ethylbenzene	0.005	ND	ND	ND	ND
Total Xylenes	0.005	ND	ND	ND	ND
TPH as Gasoline	0.5	ND	ND	ND	ND
% Surrogate Recovery	78%	77%	116%	53%	89%
Instrument I.D.	HP8	HP8	HP4	HP8	HP8
Date Analyzed	06/26/91	06/26/91	06/28/91	06/26/91	06/26/91
RLMF	1	1	1	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
- RLMF - Reporting Limit Multiplication Factor. Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

C. Fan 7/1/91
Analyst Date

Cheeryl Balmer 7/1/91
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9106269
Matrix : SOIL
Date Sampled : 06/21/91

Project Number : 8-90-420-GI
Date Released : 07/01/91

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# 04B0628A BLANK
Benzene	0.005	ND
Toluene	0.005	ND
Ethylbenzene	0.005	ND
Total Xylenes	0.005	ND
TPH as Gasoline	0.5	ND
% Surrogate Recovery		127%
Instrument I.D.		HP4
Date Analyzed		06/28/91
RLMF		1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
- RLMF - Reporting Limit Multiplication Factor.
Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

C. F. 7/1/91
Analyst Date

Cheryl Balmer 7/1/91
Supervisor Date

BTEX MATRIX SPIKE REPORT
 EPA METHOD 5030 WITH GC/PID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-420-G1 5-10
 Matrix : SOIL
 Date Sampled : 06/21/91
 Date Analyzed : 06/26/91

Anamatrix I.D.: 9106269-04
 Analyst : C.F.
 Supervisor : CB
 Date Released : 07/01/91

COMPOUND	SPIKE AMT. (mg/Kg)	MS (mg/Kg)	REC MS	MSD (mg/Kg)	REC MSD	RPD	%REC LIMITS
Benzene	0.010	0.012	120%	0.013	130%	8%	49-159
Toluene	0.010	0.008	80%	0.009	90%	12%	53-156
Ethylbenzene	0.010	0.009	90%	0.010	100%	11%	54-151
M+P-Xylenes	0.0067	0.0057	85%	0.0064	96%	12%	56-157
O-Xylene	0.0033	0.0024	73%	0.0026	79%	8%	58-154
P-BFB			77%		68%		53-147

* Limits established by Anamatrix, Inc.

PROJ. NO. 8-90-420-G		NAME 5175 Broadway st. Oakland			CON- TAINER	ANALYSES REQUESTED @ TPHG/BTE&X	REMARKS				
SAMPLERS: (Signature) <i>N. [Signature]</i>											
NO.	DATE	TIME	SOIL	WATER							
1	6/24/91	11 ³⁰	✓		4-5	1	✓				
2	6/21/91	11 ⁴⁵	✓		4-10	1	✓				
3	6/21/91	14 ³⁰	✓		5-5	1	✓				
4	6/21/91	14 ⁵⁰	✓		5-10	1	✓				
Relinquished by: (Signature) <i>Clay [Signature]</i>		Date / Time 6/24/91 150		Received by: (Signature) <i>Jim [Signature]</i>		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks N.T.A.			



SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

PROJ. NO. 8-90-420-G1 NAME 5175 Broadway st. Oakland

9106269

SAMPLERS: (Signature)

N. [Signature]

CON-TAINER

ANALYSES REQUESTED @ TPHG/BIE&X

REMARKS

NO.	DATE	TIME	SOIL	WATER	LOCATION	CON-TAINER	ANALYSES REQUESTED @	REMARKS
1	6/24/91	11 ³⁰	✓		4-5	1	✓	ALL SAMPLES WLD PROPER CONTAINERS NO HEADSPACE
2	6/21/91	11 ⁴⁵	✓		4-10	1	✓	
3	6/21/91	14 ³⁰	✓		5-5	1	✓	
4	6/21/91	14 ⁵⁰	✓		5-10	1	✓	

Relinquished by: (Signature) *Calvin [Signature]* Date / Time 6/24/91 1:50 Received by: (Signature) *Jim Dieb* Relinquished by: (Signature) Date / Time Receive by: (Signature)

Relinquished by: (Signature) Date / Time Received by: (Signature) Relinquished by: (Signature) Date / Time Received by: (Signature)

Relinquished by: (Signature) *Jim Dieb* Date / Time 6/24/91 2:00 Received for Laboratory by: (Signature) *Calvin [Signature]* Date / Time 062491 2:30 Remarks N.T.A.



SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

ANAMETRIX INC

Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-6192 • Fax (408) 432-6198

**REPORT**

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9107053
Date Received : 07/08/91
Project ID : 8-90-420-GI
Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9107053- 1	STMW-1
9107053- 2	STMW-2
9107053- 3	MW-1
9107053- 4	MW-2
9107053- 5	MW-3

This report consists of 4 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.


Sarah Schoen, Ph.D.
Laboratory Manager

7-25-91
Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9107053
Date Received : 07/08/91
Project ID : 8-90-420-GI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9107053- 1	STMW-1	WATER	07/03/91	TPHg/BTEX
9107053- 2	STMW-2	WATER	07/03/91	TPHg/BTEX
9107053- 3	MW-1	WATER	07/03/91	TPHg/BTEX
9107053- 4	MW-2	WATER	07/03/91	TPHg/BTEX
9107053- 5	MW-3	WATER	07/03/91	TPHg/BTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI
SOIL TECH ENGINEERING
298 BROKAW ROAD
SANTA CLARA, CA 95050

Workorder # : 9107053
Date Received : 07/08/91
Project ID : 8-90-420-GI
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmer 7/23/91
Department Supervisor Date

Anna Shor 7/23/91
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9107053
Matrix : WATER
Date Sampled : 07/03/91

Project Number : 8-90-420-GI
Date Released : 07/03/91

Reporting Limit	Sample I.D.# STMW-1	Sample I.D.# STMW-2	Sample I.D.# MW-1	Sample I.D.# MW-2	Sample I.D.# MW-3	
COMPOUNDS (ug/L)	-01	-02	-03	-04	-05	
Benzene	0.5	610	99	32	300	4100
Toluene	0.5	62	81	41	52	4300
Ethylbenzene	0.5	39	19	40	24	1400
Total Xylenes	0.5	150	98	55	34	4800
TPH as Gasoline	50	3100	690	580	1500	33000
% Surrogate Recovery	128%	139%	82%	128%	126%	
Instrument I.D.	HP12	HP12	HP12	HP12	HP12	
Date Analyzed	07/15/91	07/10/91	07/10/91	07/10/91	07/17/91	
RLMF	25	5	5	10	500	

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
- RLMF - Reporting Limit Multiplication Factor.
Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Ci Fan 7.24.91
Analyst Date

Cheryl Balmer 7/23/91
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9107053
Matrix : WATER
Date Sampled : 07/03/91

Project Number : 8-90-420-GI
Date Released : 07/03/91

Reporting Limit	Sample I.D.#	Sample I.D.#	Sample I.D.#
(ug/L)	12B0710C	12B0715A	12B0717B
COMPOUNDS	BLANK	BLANK	BLANK
Benzene	0.5	ND	ND
Toluene	0.5	ND	ND
Ethylbenzene	0.5	ND	ND
Total Xylenes	0.5	ND	ND
TPH as Gasoline	50	ND	ND
% Surrogate Recovery	83%	97%	82%
Instrument I.D.	HP12	HP12	HP12
Date Analyzed	07/10/91	07/15/91	07/17/91
RLMF	1	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
- RLMF - Reporting Limit Multiplication Factor.
Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Luna Sher 7/23/91
Analyst Date

Cheryl Balmer 7/23/91
Supervisor Date

07052

CHAIN OF CUSTODY RECORD

Anaerobic

2 1245 CR

PROJ. NO. 8-90-420-GI NAME 5175 Broadway Oakland

SAMPLERS: (Signature) N. Am...

CON-TAINER

ANALYSES REQUESTED (PHG/BTEX)

REMARKS ALL SAMPLES COLLECTED PROPER CONTAINER NO BUBBLES

1 2 3 4 5

Table with columns: NO., DATE, TIME, SOIL, WATER, LOCATION, CONTAINER, ANALYSES REQUESTED, REMARKS. Contains 5 rows of sample data.

Relinquished by: (Signature) Date / Time 7/8/91 9:30 Received by: (Signature) Date / Time 7/8/91 10/0

Relinquished by: (Signature) Date / Time Received by: (Signature) Date / Time Received by: (Signature)

Relinquished by: (Signature) Date / Time Received for Laboratory by: (Signature) Date / Time 7-8-91 10:00 Remarks N.T.A.



SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 (408) 866-0919 (415) 791-6406

PROJ. NO.		NAME				CON-TAINER	ANALYSES REQUESTED @ THIS/BTEX										REMARKS		
8-90-420-GI		5175 Broadway Oakland																	
SAMPLERS: (Signature) N. Am...																			
NO.	DATE	TIME	SOIL	WATER	LOCATION														
1	7/3/91	16 ⁰⁰		✓	STMW-1	3	✓												
2	7/3/91	16 ¹⁵		✓	STMW-2	3	✓												
3	7/3/91	16 ³⁰		✓	MW-1	3	✓												
4	7/3/91	16 ⁴⁵		✓	MW-2	3	✓												
5	7/3/91	17 ⁰⁰		✓	MW-3	3	✓												
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)		Date / Time		Received by: (Signature)								
<i>[Signature]</i>		7/8/91 9 ³⁰		<i>[Signature]</i>															
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										
									N.T.A.										



SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers

Please print or type. Form designed for use on elite (12-pitch typewriter).

23276150
Manifest Document No. CA 0001064662992535

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <u>23276150</u>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <u>MOHAMMAD MENDIZABEA</u> <u>150 RANDOM WAY PARASANTHILL CA.</u>				A. State Manifest Document Number <u>90792535</u>			
4. Generator's Phone <u>408 9881055</u>				B. State Generator's ID			
5. Transporter 1 Company Name <u>ERICKSON TRUCKING INC</u>		6. US EPA ID Number <u>CA010109466392</u>		C. State Transporter's ID <u>205142</u>		D. Transporter's Phone <u>415 235-1393</u>	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address <u>REPAIRS SERVICE</u> <u>1331 N. HWY 33</u> <u>ATTENSON, CA 95363</u>				10. US EPA ID Number <u>CA0003166728</u>		G. State Facility's ID	
				H. Facility's Phone <u>(800) 874-4444</u>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit	Waste No.
a. <u>RQ. NON-RCRA HAZARDOUS WASTE</u>				No.	Type	Wt/Vol	State
b. <u>LIQUID NO. 5 ORN-E 9189 (BENZENE)</u>				<u>00111</u>	<u>1390</u>	<u>G</u>	<u>223</u> EPA/Other <u>DO18</u>
c.							State
d.							EPA/Other
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
<u>0-60% WATER, 0-50% GAS-DIESEL,</u>				a. <u>DI</u>			
<u>0-5% USED MOTOR OIL, 0-3% SAND, SILT, MUD</u>				b.			
15. Special Handling Instructions and Additional Information				c.			
<u>EMERGENCY RESPONSE BU102 NO. 31</u>				d.			
<u>24 HR CONTACT PERSON ERICKSON OFFICE 415-2351393</u>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <u>Richard MANLEY</u>				Signature <u>Richard Manley</u>		Month Day Year <u>09/05/91</u>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <u>John Douglas</u>		Month Day Year <u>10/05/91</u>	
Printed/Typed Name <u>John Douglas</u>				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

90792535
 GENERATOR
 TRANSPORTER
 FACILITY

Do Not Write Below This Line