

EXXON COMPANY, U.S.A.

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MARKETING DEPARTMENT

ENGINEERING DEPARTMENT

J.A. RODDY
C&M ENGINEER
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December 11, 1989

Attn: Mr. Rick Mueller

Pleasanton Fire Department
4444 Railroad Street
Pleasanton, CA 94566-0802

SUBJECT: Environmental Investigation/ Underground Tank Replacement
Exxon RAS# 7-7003 at 349 Main Street in Pleasanton

Dear Mr. Mueller:

Enclosed is the Executive Summary Report for the Limited Subsurface Environmental Investigation for the Tank Replacement at the above mentioned location.

This letter will act as an official transmittal letter for the report. Exxon declares, through close review, that the information and/or recommendations contained in the proposal are true and correct.

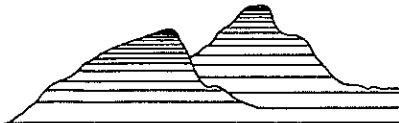
If you have any questions or concerns please call. Thank you.

Sincerely,


Jackie Roddy

c: Ernie Villasenor, Exxon Co., USA
Kevin Hunter, Exxon Co., USA
Gary Gibson, Exxon Co., USA
Leigh I. Beam, Applied Geosystems

0402E/jar



Applied GeoSystems

43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

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October 25, 1989
AGS 19025-1

Ms. Jackie Roddy
Exxon Company, U.S.A.
P.O. Box 4032
Concord, California 94520

Subject: Executive Summary of Report No. 19025-1, Limited Subsurface Environmental Investigation at Exxon Station No. 7-7003, 349 Main Street, Pleasanton, California.

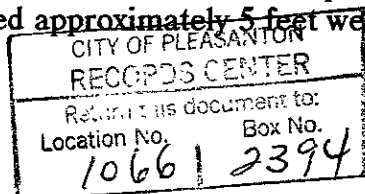
Ms. Roddy:

The enclosed report presents the results of work performed to remove underground gasoline-storage tanks, fuel lines, and a waste-oil-storage tank and to observe soil excavation at Exxon Service Station No. 7-7003, 349 Main Street, Pleasanton, California (Plate P-1). This work was conducted at Exxon's request to evaluate possible petroleum hydrocarbon contamination of the soil beneath the site. Work conducted by Applied GeoSystems at the site included:

- (1) describing the condition of the underground tanks following removal;
- (2) collecting and analyzing soil samples from the gasoline-storage tank pit, waste-oil-storage tank pit, and fuel line trenches;
- (3) assisting in the placement of stockpiled soil at the site;
- (4) collecting and analyzing soil samples from the stockpiles.

On July 31, 1989, Exxon's contractor excavated and removed from the site three steel gasoline-storage tanks and one waste-oil-storage tank. Gasoline-storage tanks T1 through T3 each had an 8,000-gallon capacity.

The three gasoline-storage tanks were used to store regular-unleaded, regular-leaded, and super-unleaded gasoline, and were located in the northern central portion of the site. The 500-gallon waste-oil-storage tank was located approximately 5 feet west of the back wall of the station building.



Excavation and subsequent soil sampling were conducted from August 1 through 4, 1989, and again on August 8 and 18, 1989. An Applied GeoSystems geologist was on site each of those days at the request of Exxon Company, U.S.A. (Exxon). Exxon contracted Mobil Chem Inc. (Mobil Chem), of Lafayette, California (California Hazardous Waste Testing Laboratory Certificate No. 195), to be on site performing the laboratory analyses requested. Exxon contracted Town and Country Contractors of Sacramento, California, to remove the tanks and to excavate soil.

Two soil samples collected from the gasoline-storage tank pit (tank pit) near the north wall were found to contain 150 and 130 parts per million (ppm) respectively total petroleum hydrocarbons as gasoline (TPHg). The tank pit was excavated 1 additional foot to approximately 24 feet below ground level and two samples were collected of the soil that had been beneath the north (fill) ends of tanks T-3 and T-1. Those two samples were found to contain, respectively, 40 ppm and less than 1.0 ppm TPHg. The remaining samples collected from the tank pit floor contained low (less than 2.2) to nondetectable concentrations of TPHg.

Relatively low (40 ppm) to nondetectable concentrations of TPHg were reported by the onsite laboratory for soil removed from the tank pit. One single sample collected from excavated soil (S-0803-2E) contained 11 ppm total petroleum hydrocarbons as diesel (TPHd). Mobil Chem suggested that aged (lacquered) gasoline may resemble diesel in the test used. The same sample (S-0803-2E) was tested by Mobil Chem for TPHg using an aged gasoline standard and was reported to contain 75 ppm. With this information, a soil sample was collected from the former gasoline-storage tank pit and tested for TPHd using a diesel standard and for TPHg using an aged gasoline standard. Mobil Chem reported that the sample did not contained detectable concentrations of TPHd but did contain 4.3 ppm TPHg.

The onsite laboratory reported no detectable concentrations of TPHg in samples collected from the product-line trenches.

Soil samples collected from beneath the waste-oil-storage tank contained no detectable concentrations of TPHg, TPHd, or the purgeable gasoline constituents benzene, toluene, ethylbenzene, and total xylene isomers (BTEX). In addition, no detectable concentrations of total oil and grease (TOG) or volatile organics (VOC) were found by the laboratory. The results of testing for metals indicated that the waste-oil-storage tank samples contained less than 0.1 ppm cadmium, 42 ppm chromium, 44 ppm zinc, and 13 ppm lead. These concentrations are well below each compound's respective Total Threshold Limit Concentration (TALC) as stated in Title 22 of the California Administrative Code.

In our opinion, the gasoline contaminated soil was adequately removed in the vicinity of the former gasoline-storage tank pit. Following our August 18, 1989, sampling and analyses, we understand that the stockpiled soil was checked (by laboratory analysis) to be certain that concentration of hydrocarbon contamination were below 100 ppm before it was removed by Exxon to a Class III landfill.

Two soil samples collected from beneath tanks T1 and T3 and adjacent to the north wall of the gasoline-storage tank pit were reported (by Mobil Chem) to contain 150 and 130 ppm TPHg. Applied GeoSystems recommends, and in compliance with the California Regional Water Quality Control Board (RWQCB) -- San Francisco Bay Region recommendations, the installation of at least three ground-water monitoring wells to evaluate if hydrocarbon contamination has impacted the ground water beneath the site.

We recommend Exxon Company, U.S.A., submit copies of this report to Mr. Scott Hugenburger of the California Regional Water Quality Control Board, San Francisco Bay Region, 1111 Jackson Street, Room 6040, Oakland, California 94607; and Mr. Rick Mueller of the Pleasanton Fire Department, 44 Railroad Street, Pleasanton, California 94566.

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was conducted. This investigation was conducted solely for the purpose of evaluating environmental conditions of the soil and water with respect to hydrocarbon-product contamination in the vicinity of the tank pits and service islands on the subject property. No soil or engineering or geotechnical recommendations are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this limited investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available. Additional work, including further subsurface investigation, can reduce the inherent uncertainties associated with this type of investigation.

Please call if you have questions regarding this report.

Sincerely,
Applied GeoSystems



Leigh I. Beem
Project Geologist

Enclosures



Applied GeoSystems

43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

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**REPORT
LIMITED SUBSURFACE ENVIRONMENTAL
INVESTIGATION**

at

**Exxon Station No. 7-7003
349 Main Street
Pleasanton, California**

AGS Job No. 19025-1

Prepared for

**Exxon Company, U.S.A.
P.O. Box 4032
Concord, California 94520**

by

Applied GeoSystems

**Leigh I. Beem
Project Geologist**

**Walter H. Howe
R.G. 730**

October 1, 1989

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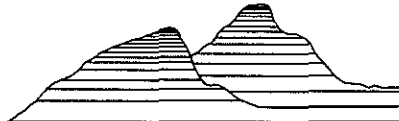
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Applied GeoSystems

43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

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**REPORT
LIMITED SUBSURFACE ENVIRONMENTAL
INVESTIGATION**

at

**Exxon Station No. 7-7003
349 Main Street
Pleasanton, California**

For Exxon Company U.S.A.

INTRODUCTION

At the request of Exxon Company, U.S.A. (Exxon), Applied GeoSystems conducted a subsurface environmental investigation in conjunction with the removal of four steel underground storage tanks at Exxon Station No. 7-7003, located at 349 Main Street, Pleasanton, California. The purpose of this investigation was to examine the removed tanks and test for concentrations of hydrocarbons in the soil under and adjacent to the tanks.

This report describes the removal and examination of the tanks, the soil sampling procedures, results of chemical analyses of samples collected during the investigation, and our recommendations for the site.

SITE LOCATION AND BACKGROUND

Exxon Station No. 7-7003 is located at 349 Main Street in Pleasanton, California. The station is situated at the southwest corner of Angela and Main Streets. The location of the site is shown on the Site Vicinity Map (Plate P-1). Three underground steel gasoline-storage tanks and an underground waste-oil-storage tank were replaced at the site and new fiberglass tanks were installed during this investigation. The locations of the gasoline-storage tanks and other pertinent site features are shown on the Generalized Site Plan (Plate P-2). The station property is in an area that is occupied by small businesses. There are no monitoring wells at the site, and, except for a soil-vapor survey conducted by Applied GeoSystems (Applied GeoSystems, Report No. 19025-1V, July 20, 1989), it is our understanding that no previous investigations have been conducted.

Applied GeoSystems conducted a soil-vapor survey on June 20, 1989, to find if detectable levels of hydrocarbons are concentrated in the soil prior to the removal and replacement of the underground storage tanks. Application of the soil-vapor survey is based on the tendency of hydrocarbons with low molecular weights to volatilize and migrate through the pore spaces of soil. Sampling locations were selected near the service islands, product lines, and underground gasoline-storage tanks. Soil-vapor samples were collected at ten locations, each at 15 feet and between 23 and 28 feet below grade. The results of the soil-vapor survey are summarized in Table 1. The locations of the soil-vapor sampling points are

shown on Plate P-2; the depth of the measurement and relative concentrations registered by the probe are shown on Plates P-3 and P-4.

SITE SAFETY PLAN

Field work performed at the site by Applied GeoSystems on behalf of Exxon Company, U.S.A., was conducted in accordance with Applied GeoSystems' Site Safety Plan No. 19025-1S (dated July 20, 1989). This safety plan describes the basic safety requirements for the subsurface environmental investigation related to underground tank removal and soil aeration at the site. The Site Safety Plan is applicable to personnel of Applied GeoSystems and to subcontractors of Applied GeoSystems. Applied GeoSystems' personnel (and subcontractors of Applied GeoSystems) scheduled to perform work at the site were briefed on the contents of the Site Safety Plan before work began. A copy of the Site Safety Plan was kept at the site and was available for reference by appropriate parties during work at the site. The staff geologist of Applied GeoSystems was the Site Safety Officer.

TANK REMOVAL AND EXAMINATION

A geologist from Applied GeoSystems was present at the site on July 31, 1989, to observe the removal of the three steel tanks and the waste-oil tank and to describe the condition of each tank.

Town and Country Contractors of Sacramento, California performed the excavation and removal of the tanks. Mr. Rick Mueller of the Pleasanton Fire Department and Ms. Jackie Roddy of Exxon were on the site during tank excavation and removal.

Before the tanks were removed, dry ice was placed inside them to create a non-explosive environment. The tanks were tested by personnel from the Pleasanton Fire Department for explosive vapor levels. The tanks were removed with the authorization of the Pleasanton Fire Department. After removal from the excavation, the tanks were placed on the ground surface and rolled on their sides to be examined. The outer surface of each tank was examined by personnel from the Pleasanton Fire Department, Exxon, and Applied GeoSystems. Before the tanks were examined, their outer surfaces were scraped, and particular attention was given to the seams and points directly below the fill ports. No obvious signs of leakage, holes, pitting, or areas of weakness were found in tanks T1 through T3. The observations of the tanks are summarized in Table 2.

After the tanks were examined, they were transported offsite for proper disposal by H & H Ship Service of San Francisco, California.

Approximately 300 cubic yards of soil were excavated in conjunction with removal of the

four underground storage tanks and associated piping. The soil was stockpiled at the site and covered to prevent unauthorized release of any hydrocarbons contained in the soil. Soil present on the site remained the responsibility of Exxon.

SOIL SAMPLING

The soil sampling procedure occurred over a period of 6 separate days during the month of August 1989. Exxon had contracted Mobil Chem Lab, Inc. (California Hazardous Waste Testing Laboratory Certificate No. 195) to perform onsite laboratory analyses of soil samples. Mobil Chem Lab, Inc. (Mobil Chem) subcontracted Clayton Environmental Consultants, Inc. (California Hazardous Waste Testing Laboratory Certificate No. 163), to perform the volatile organic and metal analyses. The following is a chronological description of sampling procedures observed by Applied GeoSystems at the site:

August 1, 1989

A geologist from Applied GeoSystems was on the site August 1, 1989, to observe tank-pit backfill excavation, additional soil excavation, and to collect soil samples for laboratory analysis. Material excavated from the gasoline storage tank pit consisted of gravel, sand and sandy clay. As the material was removed from the tank pit, it was screened by the geologist with an organic vapor meter (OVM). This field procedure is employed by

Applied GeoSystems to separate soil on the basis of its organic vapor content. The soil-sampling procedure for obtaining in situ and composite samples is described in Appendix B to this report.

The material removed from the gasoline-storage tank pit was segregated into four stockpiles on the basis of OVM readings. The stockpiles of excavated soil and corresponding OVM values are shown on Plate P-5. Our geologist collected soil samples for laboratory analyses from beneath the excavated tanks at an approximate depth of 14 and 23 feet below grade. The approximate location of each sampling point is shown on Plate P-6. One soil sample was collected from the waste-oil-storage tank excavation at a depth of 7 feet (Plate P-6). Four soil samples were collected from each stockpile and composited for laboratory analyses. The approximate location of the sampling points and corresponding OVM data are shown on Plate P-5.

The composite soil samples and the samples from beneath the tanks were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) Method 8015, and for benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) by EPA Method 8020. In addition, the composite soil samples were analyzed for total organic lead by EPA Method 6010. The results of analyses of the composite samples are presented in Table 3; the results of analyses of samples taken from beneath the ends of each tank are presented in Table 4.

TPH-C
BTEX

The soil sample collected from beneath the waste-oil-storage tank was analyzed for TPHg by EPA Method 8015, for BTEX by EPA Method 8020, for total petroleum hydrocarbons as diesel (TPHd) by modified EPA Method 8015, for total oil and grease (TOG) by EPA Method 503E, for volatile organic compounds (VOC) by EPA Method 8240, and for the metals cadmium, chromium, lead, and zinc by EPA Method 6010. These concentrations are well below each compound's respective Total Threshold Limit Concentration (TALC) as stated in Title 22 of the California Administrative Code. Results of those analyses are summarized in Table 5.

August 2, 1989

A geologist from Applied GeoSystems returned to the site on August 2, 1989, to observe deepening of the excavation and to collect soil samples. The geologist used the results of laboratory data from the previous day as a guide for further soil excavation and sampling. Samples collected from the previous day from beneath the north ends of tank T-1 and T-3 were reported (by Mobil Chem) to contain 150 and 130 ppm TPHg. The tank pit was excavated an additional 1 foot to approximately 24 feet below grade level in that area and sampled again. The geologist took two samples from beneath the north ends of tanks T-1 and T-3 at an approximate depth of 24 feet below the ground surface (Plate P-7).

Laboratory analyses indicated low (40 ppm) levels of hydrocarbons of TPHg from the north end of tank T-3 and no detectable TPHg near tank T-1. Results of this sampling are summarized in Table 4.

At the request of Rick Mueller of the Pleasanton Fire Department, our geologist collected two additional soil samples from the center of the tank pit floor (S-15-CPE and S-15-CPW, Plate P-7). These soil samples were tested by Mobil Chem for TPHg and BTEX and were reported to contain concentrations below the detection limit for the test used. To evaluate further the lateral extent of hydrocarbon contamination, three soil samples were collected from the walls of the tank pit. A hoptoe shovel was used to excavate soil from a horizontal depth of approximately 2 feet into the base of the north and west walls of the tank pit. The geologist collected a sample from the hoptoe shovel just after it reached the ground surface. Laboratory analyses of the two samples collected from the north wall of the tank pit indicated relatively low (15 ppm and 1.3 ppm) levels of hydrocarbon contamination. The sample taken from the west wall had no detectable levels for the test used. Results of analysis of the three tank pit wall samples are shown in Table 6. The approximate locations of the tank pit wall samples and the tank pit floor samples collected on August 2, 1989, are shown on Plate P-7.

Approximately 100 cubic yards of sandy clay soil were removed when the excavation was deepened on August 2. The soil was stockpiled at the site (soil piles 5 and 6, Plate P-5).

Additional composite samples were collected from those stockpiles following the procedures described in Appendix B. Sampling locations with corresponding OVM values are shown on Plate P-5. Results of laboratory analyses of the two composite samples indicated low (2.0 ppm and 1.4 ppm) levels of TPHg, BTEX levels below the detection limit (0.1), and 7 and 5 ppm total lead. Those results are summarized in Table 3.

August 3, 1989

At the request of Rick Mueller of the Pleasanton Fire Department, and with Exxon's approval, the geologist from Applied GeoSystems returned to the site on August 3, 1989, to collect additional soil samples. He collected two soil samples, one from a previously sampled soil pile (soil pile 2), and one from beneath the north end of tank T-1. To collect the composite soil sample, a backhoe was used to excavate approximately 4 feet into the stockpiled soil. Our geologist used an OVM in three separate locations in the excavation for screening purposes; OVM readings were 25, 27, and 270 ppm which was lower than those recorded from the same stockpile on August 2, 1989. The geologist collected a single sample (S-0803-2E) from 4 feet into soil pile 2. The sample (S-0803-2E) was analyzed using EPA Modified Method 8015 for diesel, which indicated a low level (11 ppm) of TPHd. Mobil Chem suggested that aged (lacquered) gasoline may resemble diesel in the test used. The sample was tested for TPHg and BTEX using an aged gasoline standard; the results were reported as 75 ppm TPHg, 0.4 ppm Xylenes, and nondetectable for benzene, toluene,

and ethylbenzene. The results of the analysis are shown in Table 7. He also collected a soil sample (*S-24-TB1) from the area that was beneath tank T-1, at the same location sampled on August 2, 1989. Plate P-8 shows the approximate sample locations.

The second soil sample collected at the 24-foot depth beneath the former location of tank T-1 was analyzed for TPHg and BTEX using an aged gasoline standard. The results indicated a low level (4.3 ppm) of hydrocarbon contamination. The results are summarized in Table 7.

August 4, 1989

On August 4, 1989, the geologist from Applied GeoSystems arrived at the site to observe excavation of a new tank pit located eastward of and adjacent to the existing tank pit excavation. The geologist screened soil excavated from the new tank pit with a OVM and reported that no organic vapors were detected. A sample (S-13-NPB) was collected from the western side of the new excavation, just east of the tank T-3 cavity at a depth of 13 feet below ground surface. This sample was tested for TPHd, TPHg, and BTEX. Laboratory analyses results indicated no detectable concentrations of TPHg and BTEX for the test used; however, a low level (10 ppm) of TPHd was reported. The aged gasoline

standard was not used by the laboratory in this test. Laboratory results are summarized in Table 7. The location of the new tank pit and sampling point within the excavation are shown on Plate P-9.

On August 4, 1989, Rick Mueller (Pleasanton Fire Department) indicated that the soil stockpiles could be removed from the site or used for backfill in the old tank pit. We understand that Exxon used the material from the new tank pit to backfill the old tank pit and that soil stockpiles not used for backfill were removed from the site to an appropriate landfill facility. *WHERE*

August 8, 1989

A geologist from Applied GeoSystems was on site on August 8, 1989, to collect composite samples of soil excavated from the product line trenches in the eastern central area of the site. Approximately 80 feet of product line trenches were excavated and a total of approximately 20 cubic yards of soil were stockpiled alongside the excavations. Six soil samples were collected from the trench excavations. Three samples were collected from the excavated soil and composited as one sample for laboratory analysis. Samples from the product line trenches were submitted to Mobil Chem Laboratory Inc., and tested for TPHg and BTEX by EPA Method 8020. No hydrocarbon contamination was found in the six

samples above the detection limits of the method of analysis used. Laboratory results are summarized in Table 8. The product-line trenches and sampling locations in the trench excavations are shown on Plate P-10.

August 18, 1989

Approximately 100 cubic yards of excavated soil, including soil excavated from the product line trenches, remained on site on August 18, 1989. At Exxon's request a geologist from Applied GeoSystems returned to the site to collect two composite soil samples from the stockpiled soil. Location of the sampling points and the corresponding OVM values are shown on Plate P-11. The samples were submitted to Mobil Chem and tested for TPHd by modified EPA Method 8015. No aged gasoline standard was used with this test. Laboratory analyses indicated no detectable concentrations of TPHd for the test used. Laboratory results for these two composite samples are summarized in Table 9.

SUMMARY AND CONCLUSIONS

Laboratory analysis of soil samples collected at a depth of 14 feet below ground surface from beneath the southern ends of the three gasoline-storage tanks indicated no detectable hydrocarbon contamination.

Laboratory analysis of soil samples collected from beneath the northern (fill) ends of the three gasoline-storage tanks indicated low (2.2 ppm, tank T-2) to medium (150 and 130 ppm, tanks T-1 and T-3) hydrocarbon concentrations. Samples from beneath tank T-2 were collected at 21 feet below ground level and those from tanks T-1 and T-3 were collected from a depth of 23 feet.

After the tank cavity was deepened an additional 1 foot to a depth of 24 feet, analysis of soil samples from beneath the north ends of tanks T-1 and T-3 indicated hydrocarbon concentrations at 40 ppm below tank T-3 and at nondetectable levels below tank T-1. Hydrocarbon concentration levels also were nondetectable in the laboratory analyses results of soil samples collected from the 15-foot level near the center of the tank pit floor.

Samples analyzed for lead content indicated a maximum of 11 ppm beneath the gasoline-product tanks and 13 ppm beneath the waste-oil-storage tank.

Soil samples collected from beneath the waste-oil-storage tank were reported to contain no detectable concentrations of TPHg, TPHd, TOG, VOC, or BTEX.

Hydrocarbon concentrations in samples collected from the walls of the steel tank cavity did not exceed 15 ppm TPHg.

Laboratory analysis of samples collected at the 24-foot depth beneath the fill end of tank T-3, using an aged gasoline standard for EPA modified Method 8015, indicated a low (4.3 ppm) level of contamination.

Laboratory analyses of composite samples collected from stockpiled soil indicated low (maximum 2 ppm) levels of TPHg. One single sample taken from pile 2 on August 8, 1989, was reported to contain 11 ppm TPHd and 75 ppm TPHg.

No detectable concentrations of TPHg were reported by the laboratory in samples collected from the product line trench and the new tank pit floor.

In our opinion, the lateral and vertical extent of contaminated soil in and adjacent to the former gasoline-storage tank pit was excavated and removed.

Exxon retained responsibility for the removal of stockpiled soil not utilized as backfill material at the site.

APPLIED GEOSYSTEMS REFERENCES

Applied GeoSystems. July 20, 1989. Report Soil Vapor Survey at Exxon Service Station, 349 Main Street, Pleasanton, California. Job No. 19025-1V.

Applied GeoSystems. July 20, 1989. Site Safety Plan for Exxon Service Station, 349 Main Street, Pleasanton, California. Job No. 19025-1S.

TABLE 1
 SOIL-VAPOR SURVEY DATA
 June 30, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

| SAMPLE | DEPTH | BENZENE | TOLUENE | XYLENES |
|--------|-------|---------|---------|---------|
| VP-1 | 15 | <1 | <1 | <1 |
| VP-1 | 25 | <1 | <1 | <1 |
| VP-2 | 15 | <1 | <1 | <1 |
| VP-2 | 26 | NS | NS | NS |
| VP-3 | 15 | <1 | <1 | <1 |
| VP-3 | 25 | <1 | 2 | <1 |
| VP-4 | 15 | <1 | <1 | <1 |
| VP-4 | 28 | <1 | 724 | 24 |
| VP-5 | 15 | <1 | 5 | <1 |
| VP-5 | 24 | <1 | <1 | <1 |
| VP-6 | 15 | <1 | 3 | <1 |
| VP-6 | 23 | <1 | <1 | <1 |
| VP-7 | 15 | <1 | 3 | <1 |
| VP-7 | 25 | <1 | <1 | <1 |
| VP-8 | 15 | 2 | <1 | <1 |
| VP-8 | 25 | NS | NS | NS |

Sample depths are measured in feet.
 Concentrations are in parts per million (ppm).
 < = less than the detection limit specified.
 NS = no sample recovered.
 Measurements made with a Photovac 10S70.

TABLE 2
SUMMARY OF OBSERVATIONS DURING TANK EXAMINATION
July 31, 1989
Exxon Service Station
349 Main Street
Pleasanton, California

| | |
|---------|--|
| Tank T1 | (unleaded): Steel, 8,000-gallon capacity, moderately rusted, no visible holes. |
| Tank T2 | (extra unleaded): Steel, 8,000-gallon capacity, moderately rusted, no visible holes. |
| Tank T3 | (regular): Steel, 8,000-gallon capacity, moderately rusted, no visible holes. |
| Tank T4 | (waste-oil): Steel, 500-gallon capacity, slightly rusted, no visible holes. |

TABLE 3
 LABORATORY RESULTS - COMPOSITE SAMPLING
 August 1 and 2, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

| SAMPLE | TPH | B | T | E | X | Lead |
|-----------------------|------|------|------|------|------|------|
| August 1, 1989 | | | | | | |
| S-0801-1A-1D | 1.1 | <0.1 | <0.1 | <0.1 | <0.1 | 9 |
| S-0801-2A-2D | 1.1 | <0.1 | <0.1 | <0.1 | <0.1 | 6 |
| S-0801-3A-3D | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 | 11 |
| S-0801-4A-4D | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 | 10 |
| August 2, 1989 | | | | | | |
| S-0802-5A-5D | 2.0 | <0.1 | <0.1 | <0.1 | <0.1 | 7 |
| S-0802-6A-6D | 1.4 | <0.1 | <0.1 | <0.1 | <0.1 | 5 |

Results are in mg/kg (parts per million, ppm).
 TPH = Total petroleum hydrocarbons as gasoline.
 BTEX = benzene, toluene, ethylbenzene, and total xylene isomers
 < = less than the detection limit used.

Sample designation:

S-0802-6A-6D

_____ Composite Sample Number
 _____ Date
 _____ Soil

TABLE 4
RESULTS OF CHEMICAL ANALYSES OF
SOIL SAMPLES
UNDERGROUND TANK EXCAVATION
Exxon Service Station
349 Main Street
Pleasanton, California

| SAMPLE | TPH | B | T | E | X |
|-----------------------|------|------|------|------|------|
| August 1, 1989 | | | | | |
| S-14-T1A | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-14-T2A | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-14-T3A | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-23-T1B | 150 | 0.5 | <0.1 | <0.1 | <0.1 |
| S-21-T2B | 2.2 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-23-T3B | 130 | 0.3 | 0.2 | <0.1 | <0.1 |
| August 2, 1989 | | | | | |
| S-15-CPE | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-15-CPW | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-24-T1B | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-24-T3B | 40 | 2.7 | <0.1 | 15 | 2.8 |

Results are in mg/kg (parts per million, ppm).

TPH = Total petroleum hydrocarbons as gasoline.

BTEX = benzene, toluene, ethylbenzene, and total xylene isomers

< = less than the detection limit used.

CPW = Center of pit, west.

CPE = Center of pit, east.

Sample designation:

S-14-T1A

└── Tank designation
└── Depth
└── Soil

TABLE 5
 LABORATORY RESULTS - WASTE-OIL TANK PIT
 August 1, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

| SAMPLE | TPH | B | T | E | X |
|---------|------|------|------|------|------|
| S-7-WOT | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |

| SAMPLE | TPHd | TOG | Cadmium | Chromium | Lead | Zinc |
|---------|------|-----|---------|----------|------|------|
| S-7-WOT | <5 | <50 | <0.1 | 42 | 13 | 44 |

Results are in mg/kg (parts per million, ppm).
 Sample was also tested for volatile organics, see Appendix C.
 TPH = Total petroleum hydrocarbons as gasoline.
 TPHd = Total petroleum hydrocarbons as diesel.
 TOG = Total oil and grease.
 BTEX = benzene, toluene, ethylbenzene, and total xylene isomers
 < = less than the detection limit used.
 Sample designation:
 S-7-WOT
 ┌─── Waste-oil tank pit
 │─── Depth of sample
 └─── Soil

TABLE 6
 LABORATORY RESULTS - TANK-PIT WALLS
 August 1, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

| SAMPLE | TPH | B | T | E | X |
|----------|------|------|------|------|------|
| S-20-NWE | 1.3 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-20-NWW | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-20-WW | 15. | <0.1 | <0.1 | 4.5 | 1.4 |

Results are in mg/kg (parts per million, ppm).

TPHg = Total petroleum hydrocarbons as gasoline.

BTEX = benzene, toluene, ethylbenzene, and total xylene isomers

< = less than the detection limit used.

Sample designation:

S-20-NWE

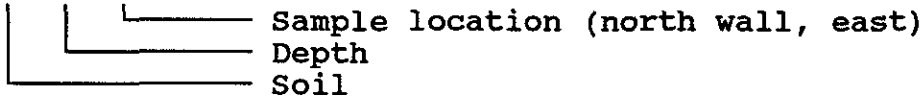


TABLE 7
 ADDITIONAL SOIL SAMPLING
 OF SOIL FROM THE TANK-PIT FLOOR
 AND NEW TANK PIT EXCAVATION
 August 3 and 4, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

August 3, 1989

| SAMPLE | TPHd | TPHg old | B | T | E | X |
|-----------|------|----------|------|------|------|-----|
| S-0803-2E | 11 | 75 | <0.1 | <0.1 | <0.1 | 0.4 |
| S-24-T1B | <5 | 4.3 | <0.1 | <0.1 | <0.1 | 0.1 |

August 4, 1989

| SAMPLE | TPHd | TPH | B | T | E | X |
|----------|------|------|------|------|------|------|
| S-13-NPB | 10 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |

Results are in mg/kg (parts per million, ppm).
 Sample S-0803-2E is a single sample.
 TPHd = Total petroleum hydrocarbons as diesel.
 TPHg = Total petroleum hydrocarbons as gasoline.
 BTEX = benzene, toluene, ethylbenzene,
 and total xylene isomers

NPB = New tank-pit

< = less than the detection limit used.

old = A aged gasoline standard was used.

NA = Not analyzed

Sample designation:

S-0818-2E

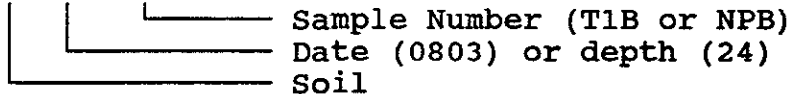


TABLE 8
 LABORATORY RESULTS - PRODUCT LINES
 August 8, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

| SAMPLE | TPH | B | T | E | X |
|---------|------|------|------|------|------|
| S-3-PL1 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-3-PL2 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-3-PL3 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-3-PL4 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-3-PL5 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |
| S-3-PL6 | <1.0 | <0.1 | <0.1 | <0.1 | <0.1 |

Results are in mg/kg (parts per million, ppm).

TPH = Total petroleum hydrocarbons as gasoline.

BTEX = benzene, toluene, ethylbenzene, and total xylene isomers

< = less than the detection limit used.

Sample designation:

S-3-PL6

Sample location (product line, sample 6)
 Depth
 Soil

TABLE 9
 LABORATORY RESULTS - COMPOSITE SAMPLING
 August 18, 1989
 Exxon Service Station
 349 Main Street
 Pleasanton, California

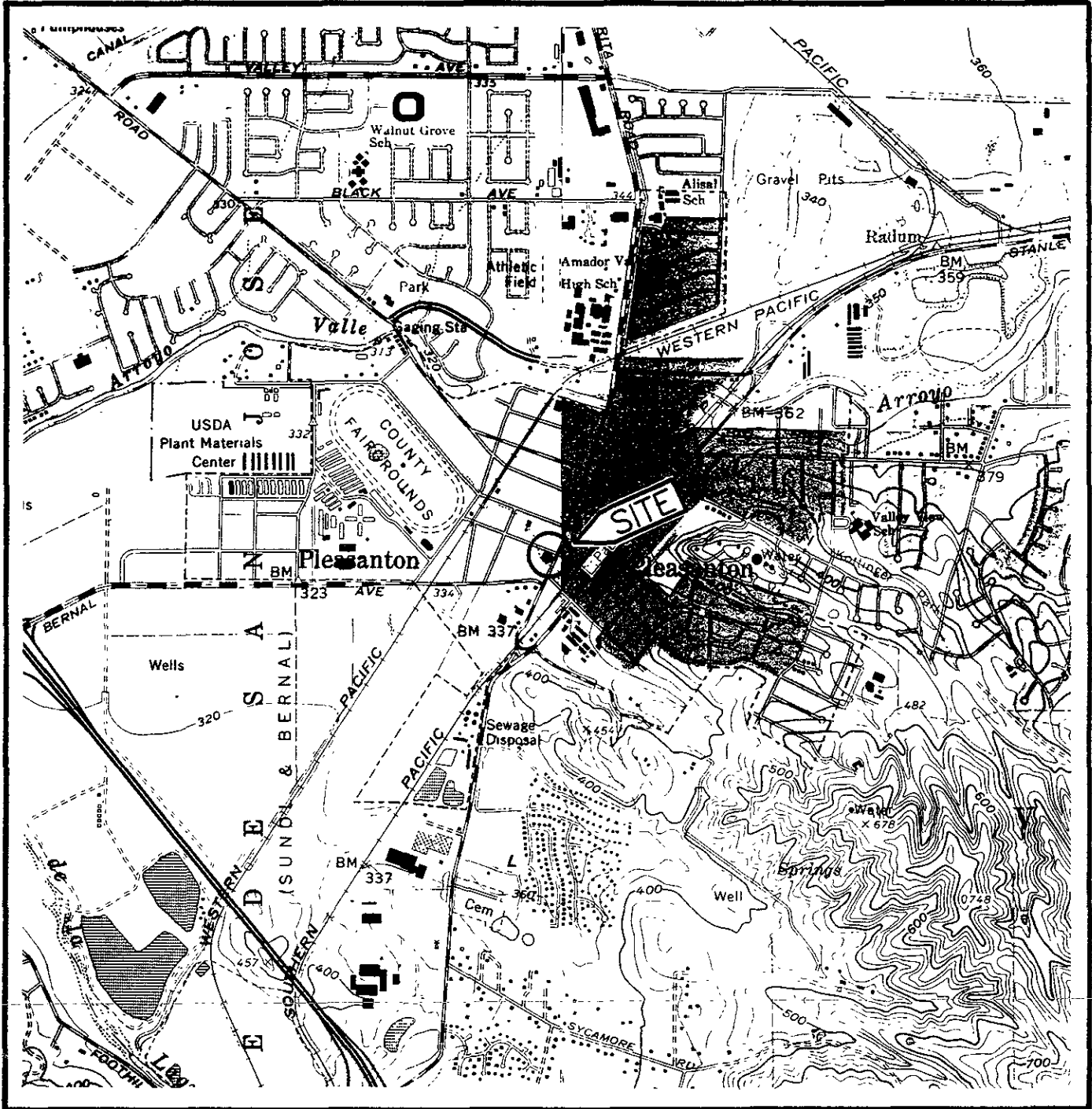
| <u>SAMPLE</u> | <u>TPHd</u> | <u>TOG</u> |
|---------------|-------------|------------|
| S-0818-1A-1D | <5 | NA |
| S-0818-2A-2D | <5 | NA |

Results are in mg/kg (parts per million, ppm).
 TPHd = Total petroleum hydrocarbons as diesel.
 < = less than the detection limit used.
 NA = Not analyzed

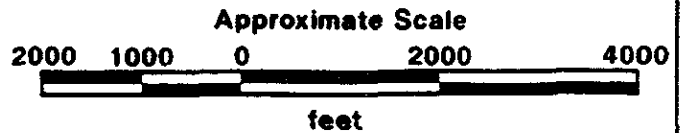
Sample designation:
 S-0818-2A-2D

```

  |_____ Composite Sample Number
  |_____ Date
  |_____ Soil
  
```



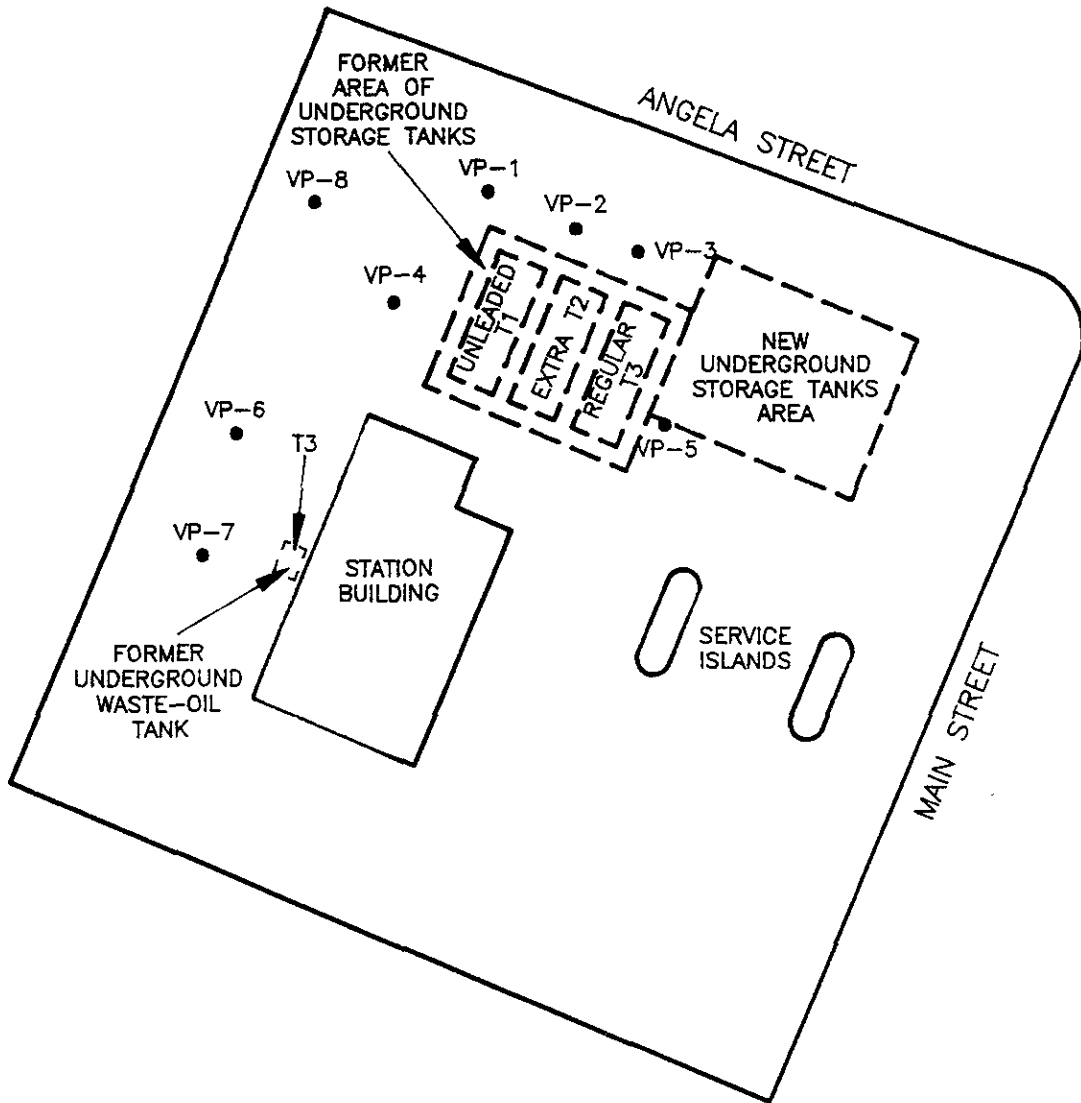
Source: U.S. Geological Survey
 7.5-Minute Quadrangle
 Dublin/Livermore, California
 Photorevised 1980



PROJECT NO. 19025-1

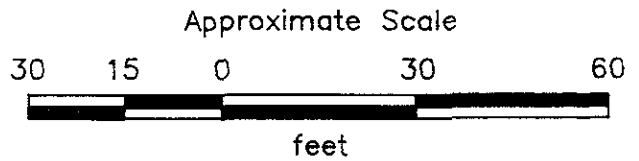
SITE VICINITY MAP
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California

PLATE
P - 1



T4 = Tank number
 VP-8● = Soil vapor sampling point
 (Applied GeoSystems, 1989)

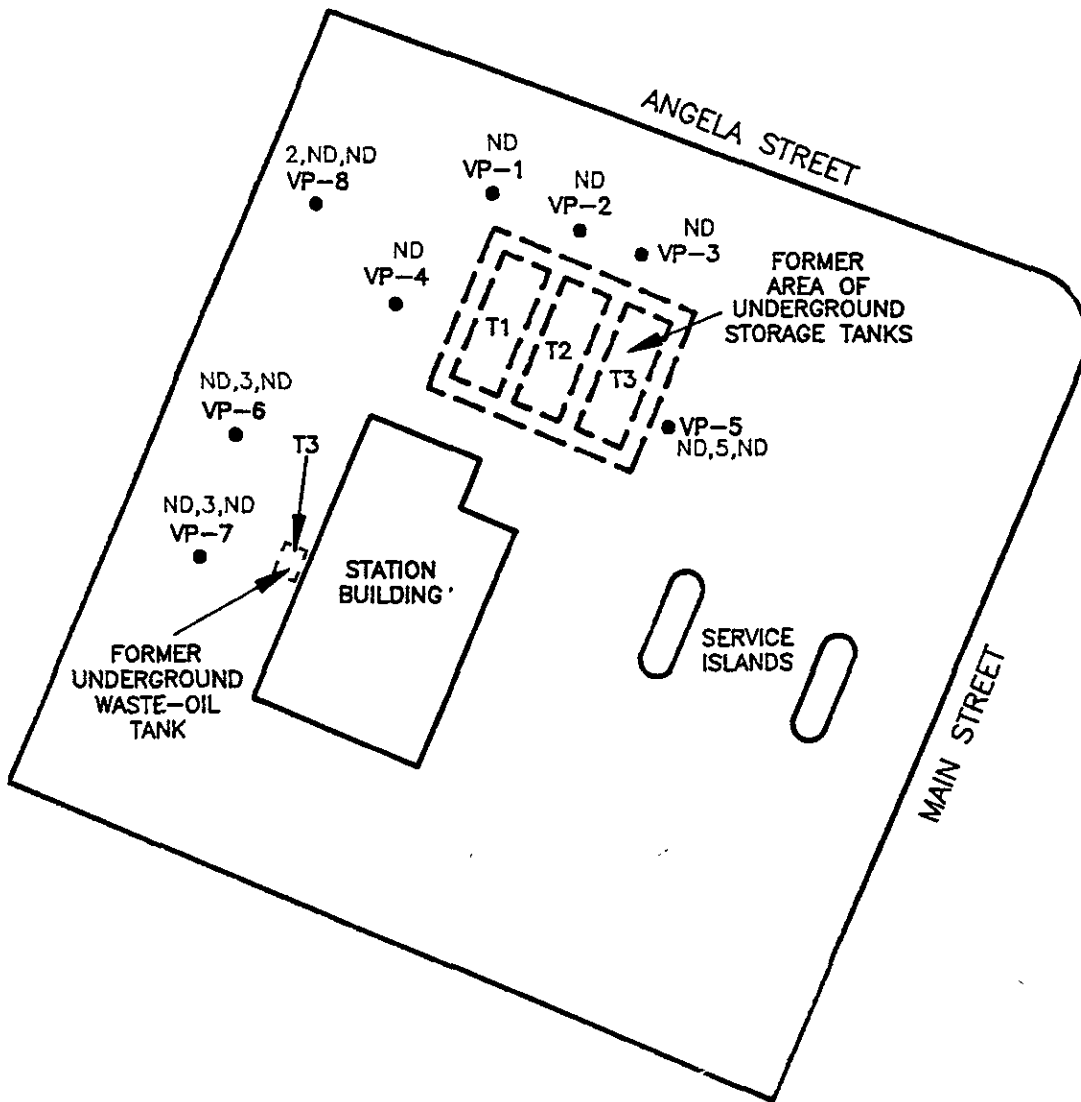
Source : Modified from plan
 supplied by Exxon



PROJECT NO. 19025-1

**GENERALIZED SITE PLAN
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California**

**PLATE
 P - 2**



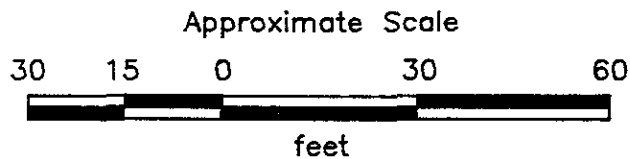
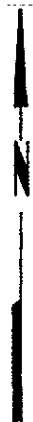
2,ND,ND= Concentration of benzene, toluene and xylenes in parts per million

ND = Nondetectable

VP-8● = Soil vapor sampling point (Applied GeoSystems, 1989)

T4 = Tank number

Source : Modified from plan supplied by Exxon

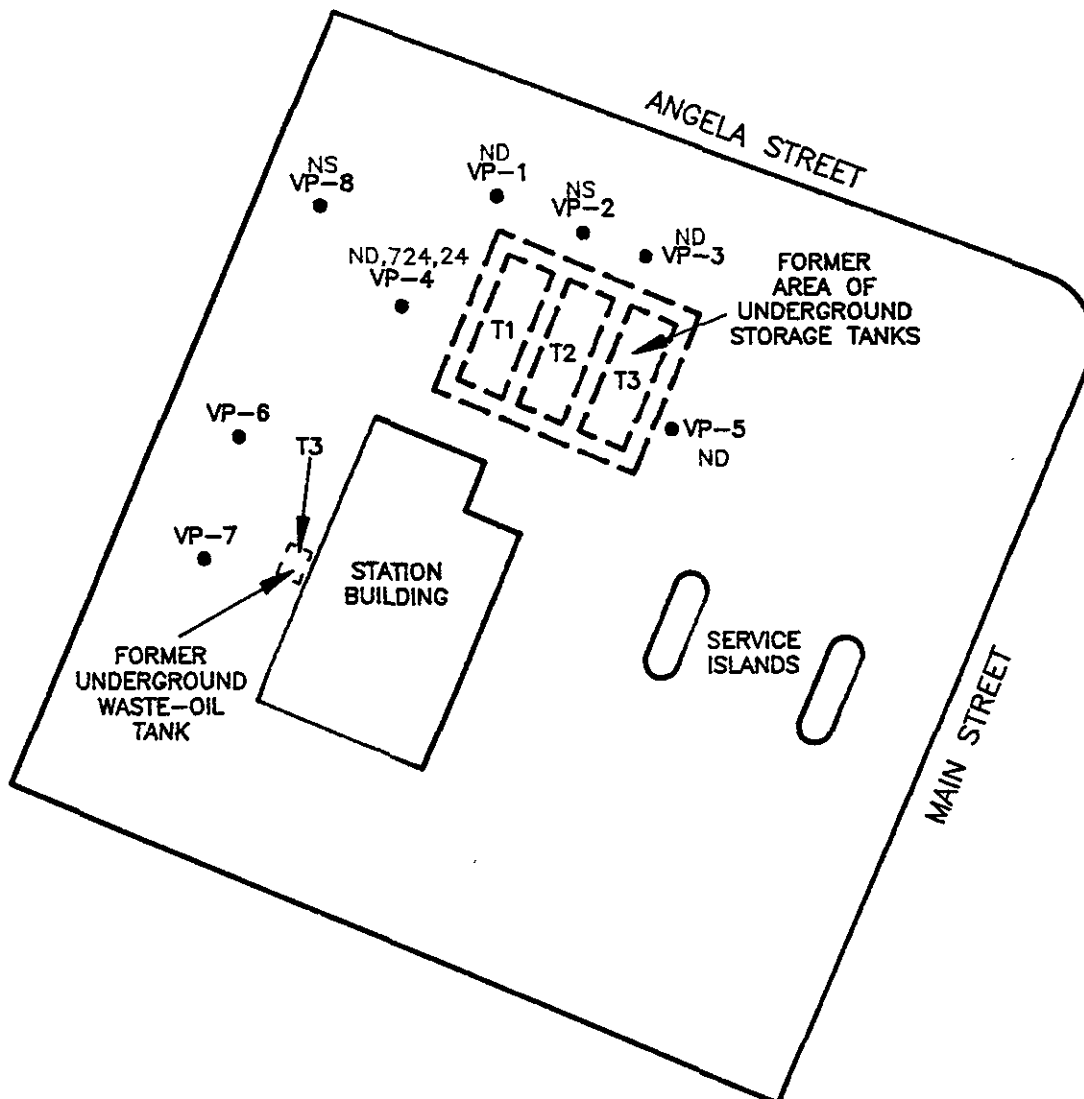


PROJECT NO. 19025-1

CONCENTRATION OF BTX IN SOIL VAPOR (15-foot depth) June 30, 1989
Exxon Service Station No. 7-7003
349 Main Street
Pleasanton, California

PLATE

P - 3



ND,724,24 = Concentration of benzene, toluene and xylenes in parts per million

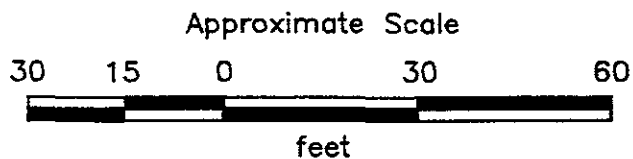
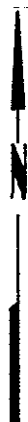
ND = Nondetectable

NS = No sample recovered

VP-8 = Soil vapor sampling point (Applied GeoSystems, 1989)

T4 = Tank number

Source : Modified from plan supplied by Exxon

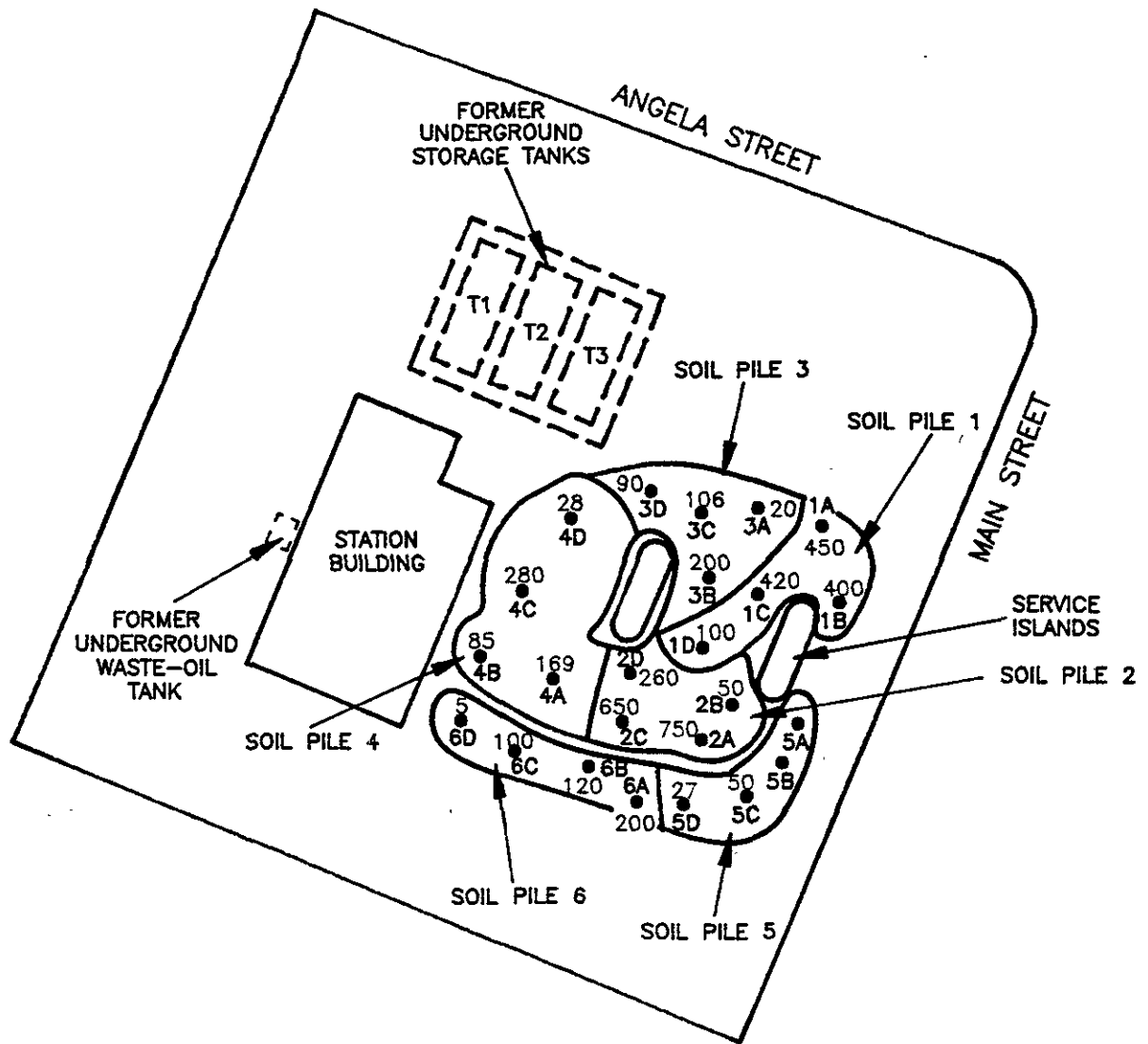


PROJECT NO. 19025-1

CONCENTRATION OF BTX IN SOIL VAPOR (25-foot depth) June 30, 1989
Exxon Service Station No. 7-7003
349 Main Street
Pleasanton, California

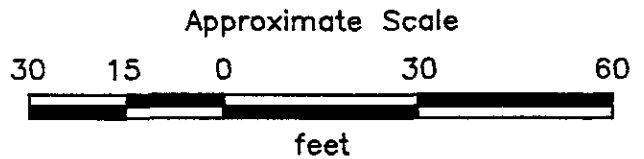
PLATE

P - 4



6D● = Sample point
 450 = OVM reading

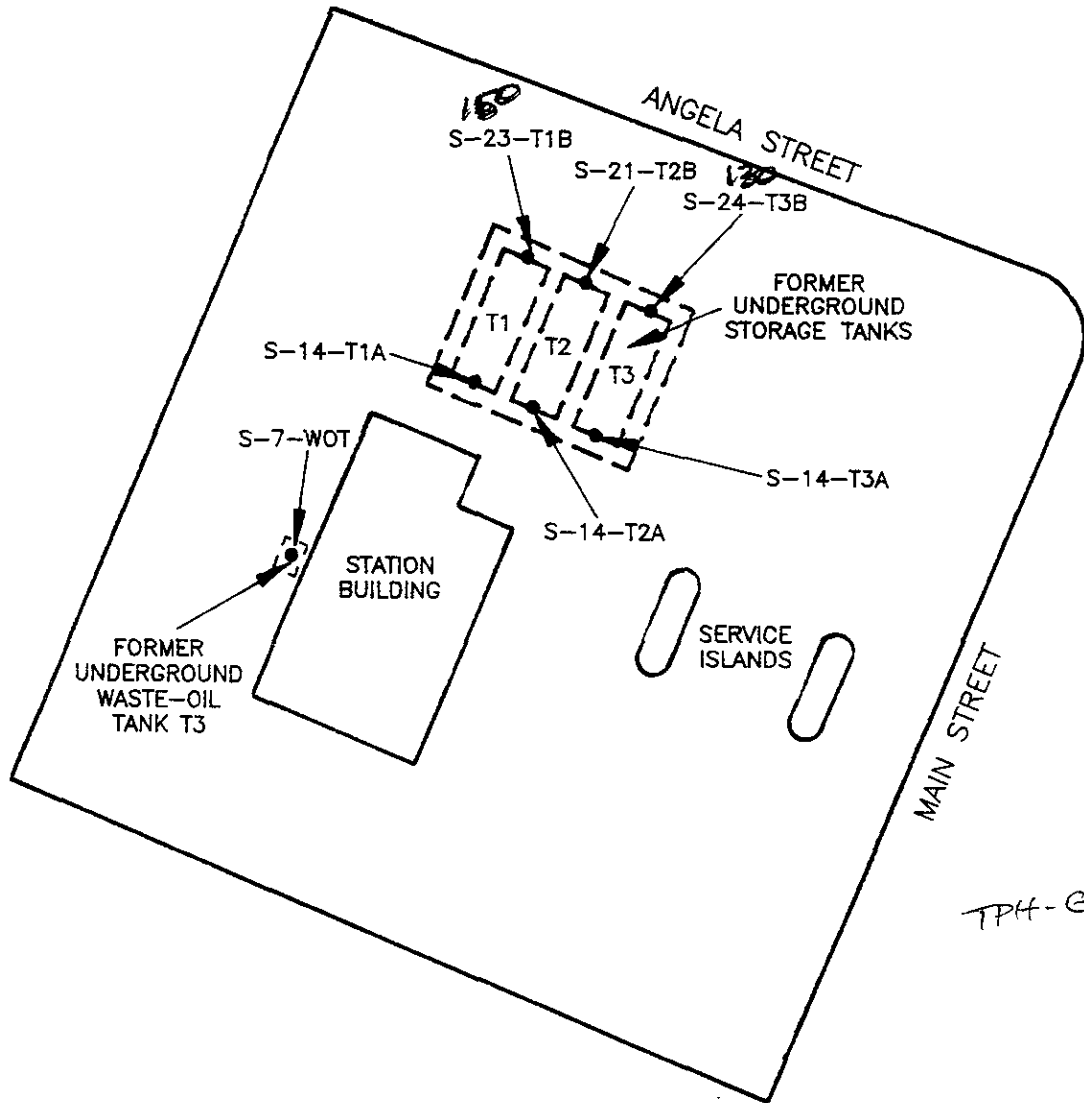
Source : Modified from plan
 supplied by Exxon



**EXCAVATED SOIL STOCKPILE & COMPOSITE PLATE
 SAMPLE LOCATIONS (8/1 - 8/4/89)
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California**

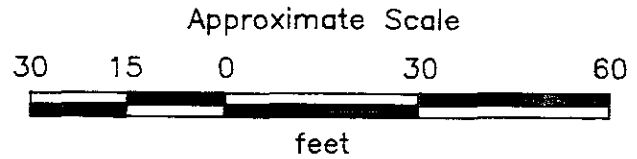
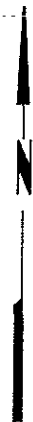
P - 5

PROJECT NO. 19025-1



T4 = Tank number
 S-23-T3b● = Sample point

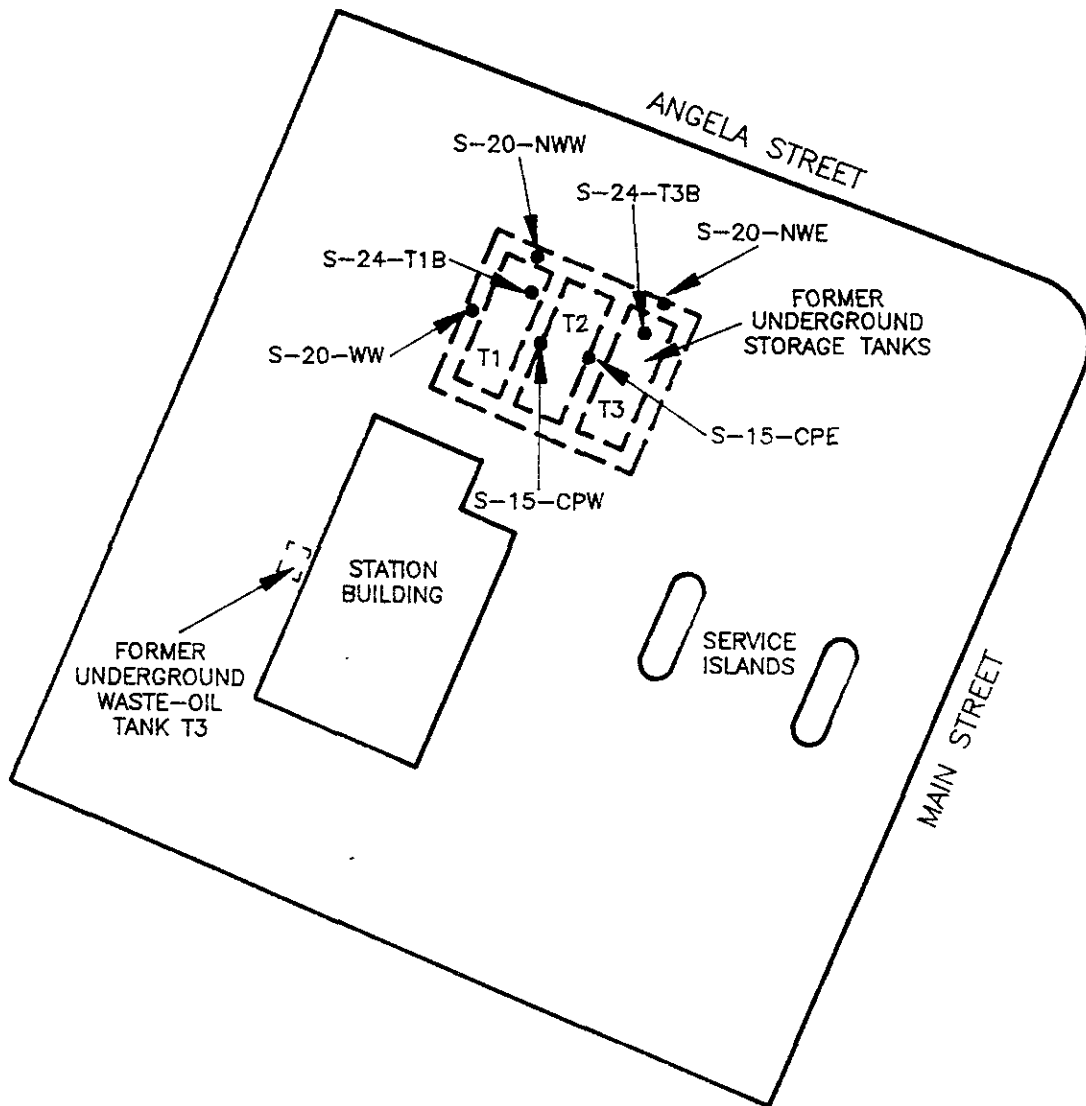
Source : Modified from plan
 supplied by Exxon



PROJECT NO. 19025-1

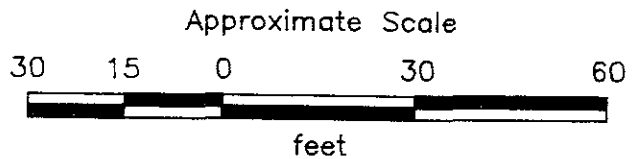
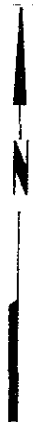
**SOIL SAMPLE LOCATIONS OF
 TANK PIT FLOOR (8-1-89)
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California**

**PLATE
 P - 6**



T4 = Tank number
 S-20-NWW● = Sample point

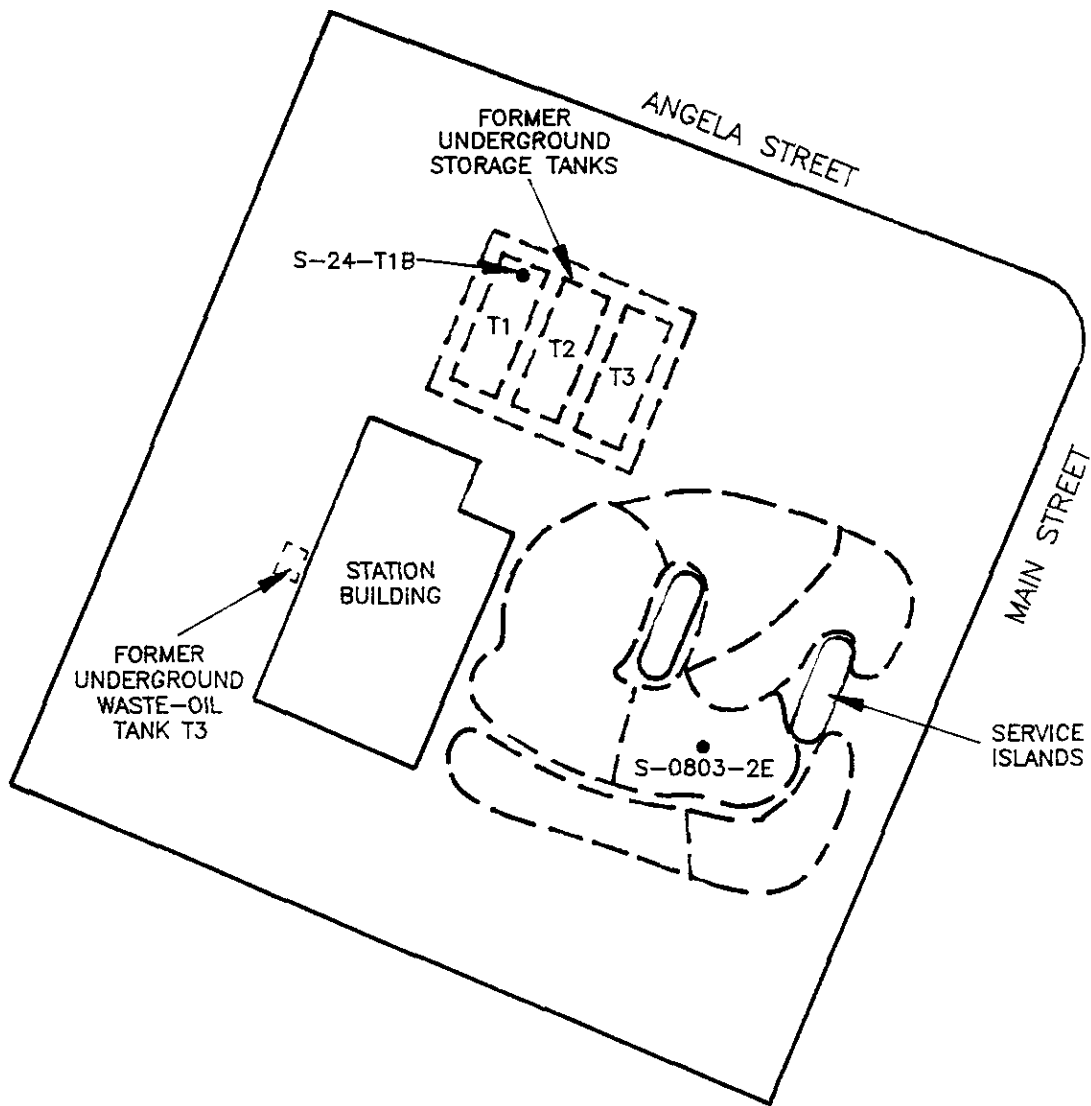
Source : Modified from plan
 supplied by Exxon



PROJECT NO. 19025-1

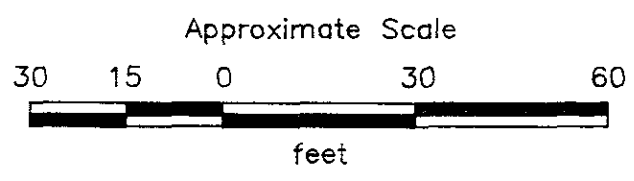
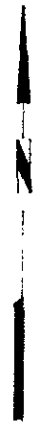
**SOIL SAMPLE LOCATIONS OF TANK-
 PIT FLOOR & TANK WALL (8-2-89)
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California**

**PLATE
 P - 7**



T4 = Tank number
 S-0803-3E = Sample point

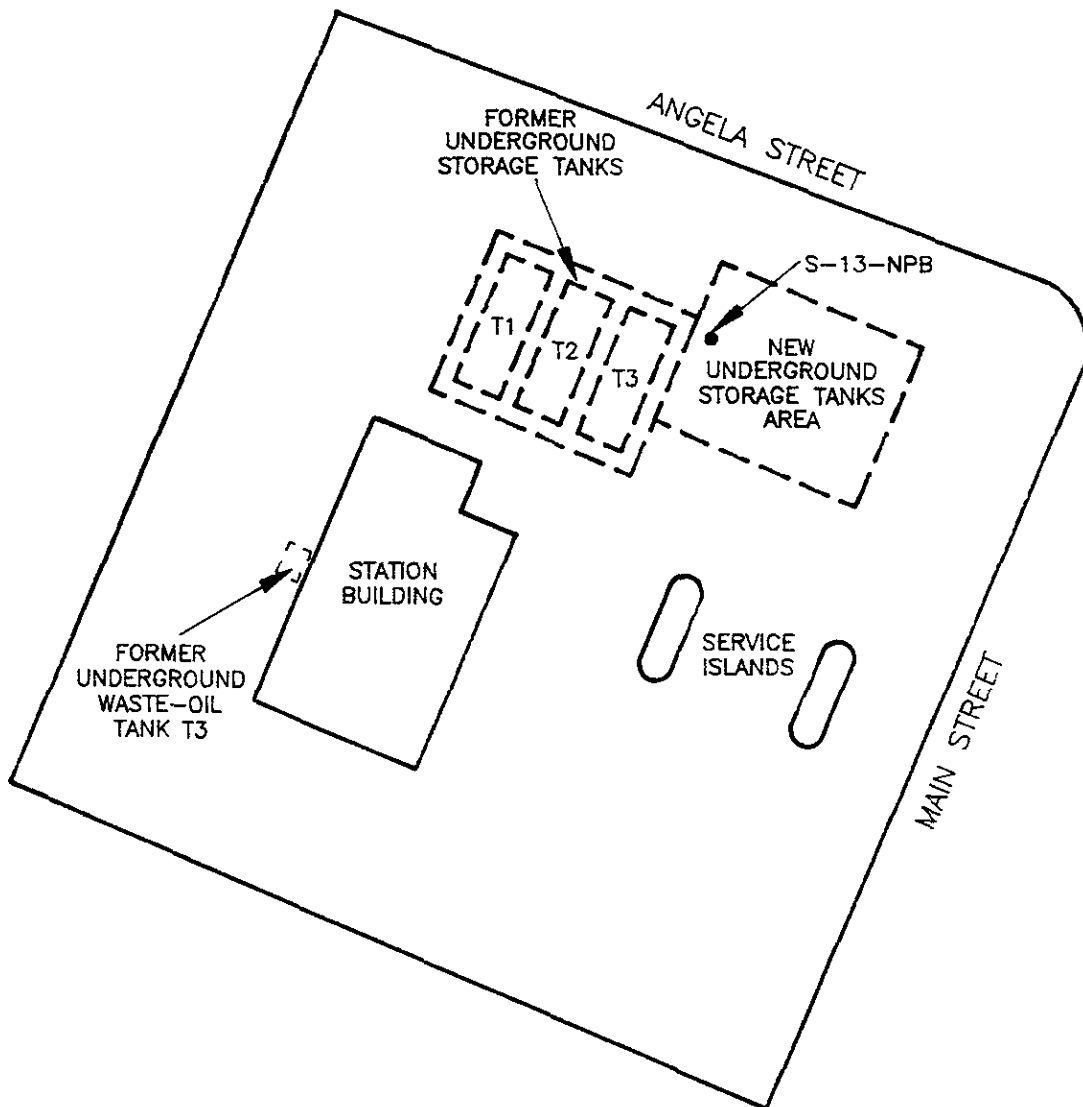
Source : Modified from plan
 supplied by Exxon



PROJECT NO. 19025-1

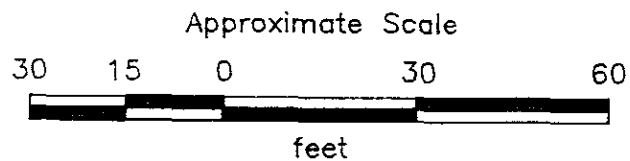
**ADDITIONAL SOIL PILE & TANK-PIT
 FLOOR SAMPLING (8-3-89)
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California**

**PLATE
 P - 8**



T4 = Tank number
 S-13-NPB● = New tank pit sampling point

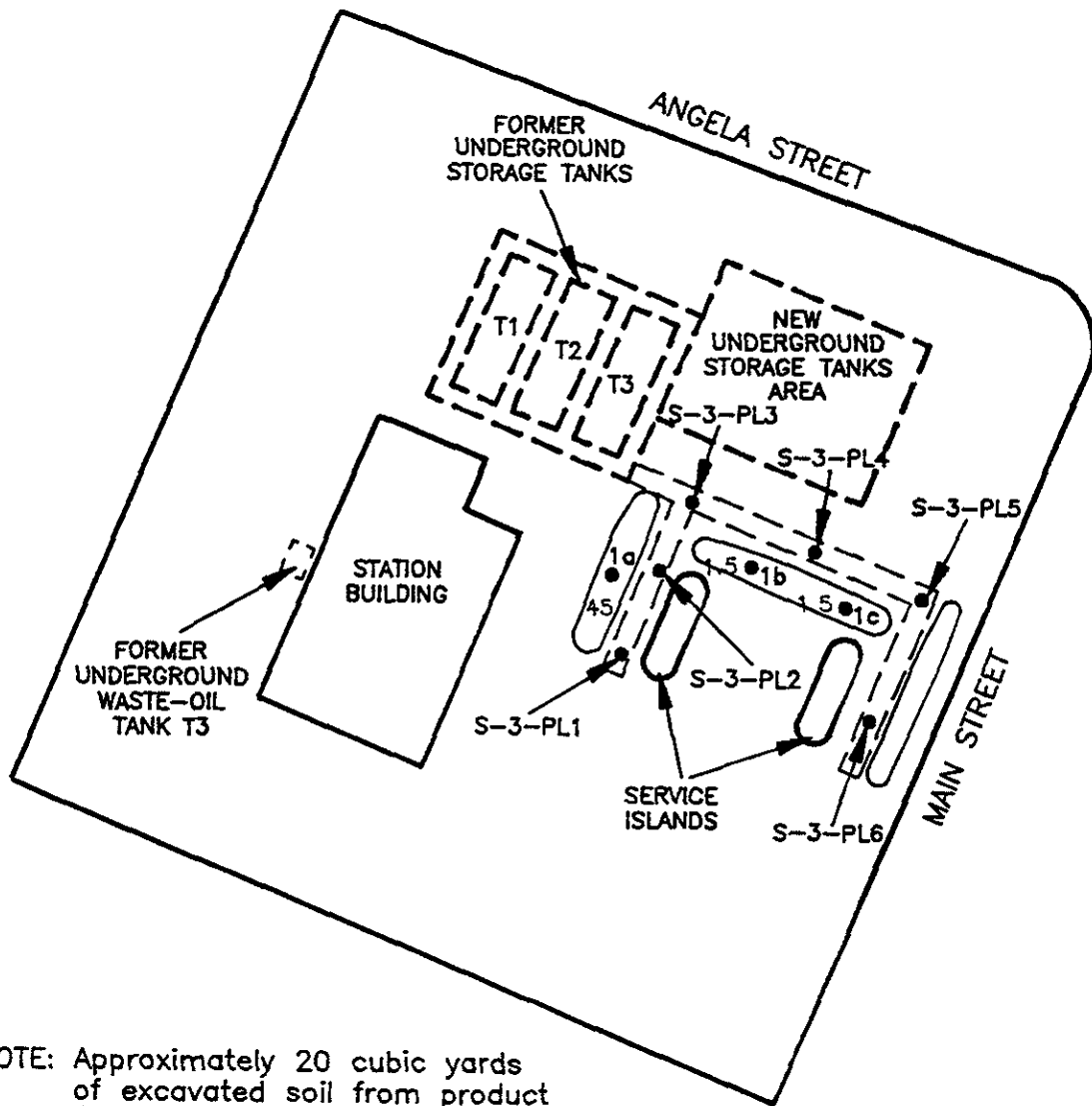
Source : Modified from plan supplied by Exxon




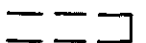
PROJECT NO. 19025-1

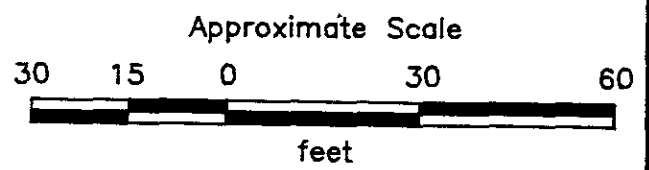
**APPROXIMATE LOCATION OF NEW TANK PIT (8-4-89)
 Exxon Service Station No. 7-7003
 349 Main Street
 Pleasanton, California**

**PLATE
 P - 9**



NOTE: Approximately 20 cubic yards of excavated soil from product line trench

-  = Excavated soil from piping trench
-  = Approximate location of product-line trench
- 1c ● = Composite soil sample
- S-3-PL6 ● = Product-line trench sampling point
- 45 = OVM reading
- T4 = Tank number



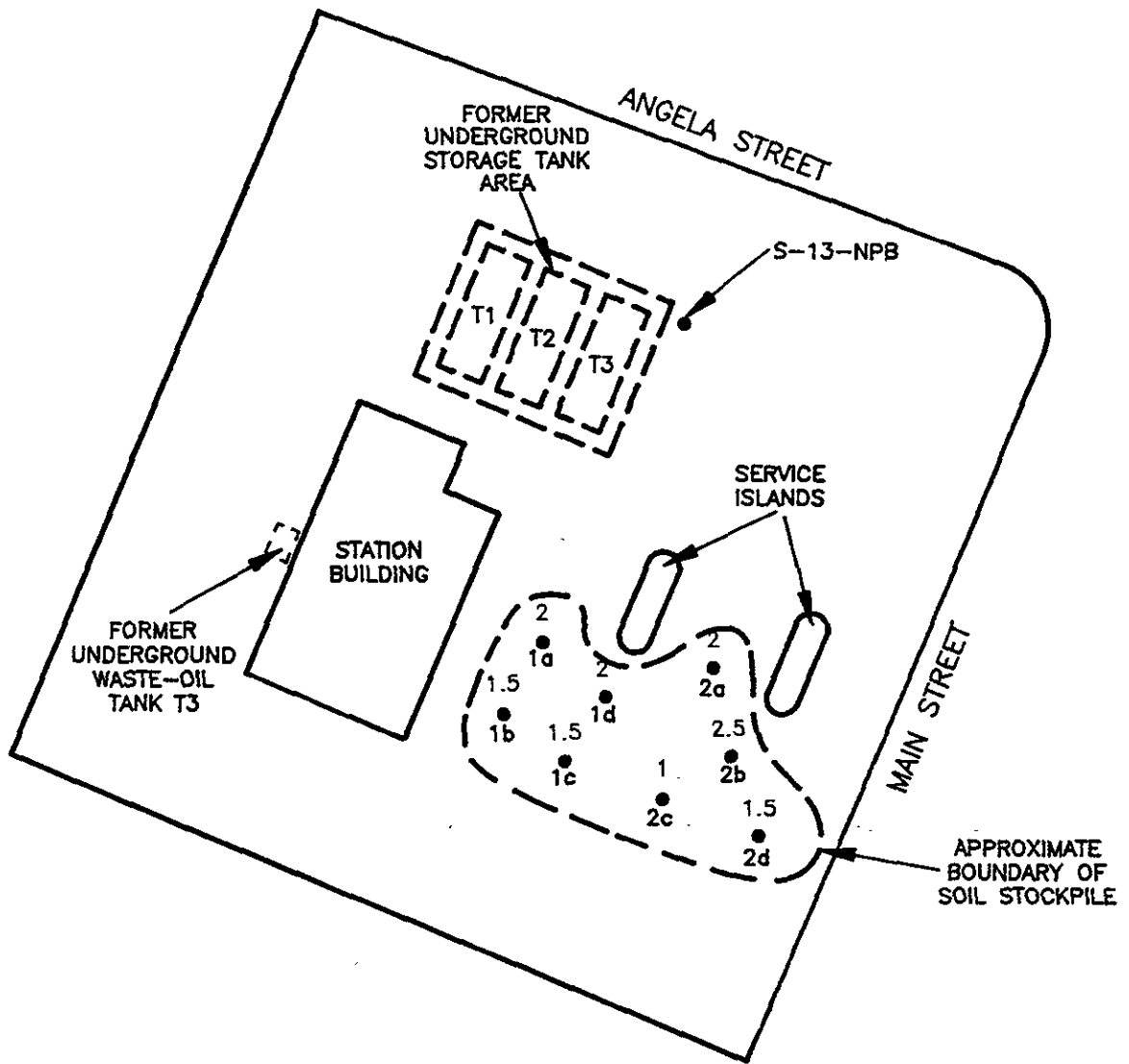
Source : Modified from plan supplied by Exxon



PROJECT NO. 19025-1

EXCAVATED SOIL FROM PRODUCT LINE TRENCHES & APPROXIMATE SAMPLE LOCATIONS (8-9-89)
Exxon Service Station No. 7-7003
Pleasanton, California

PLATE
P - 10

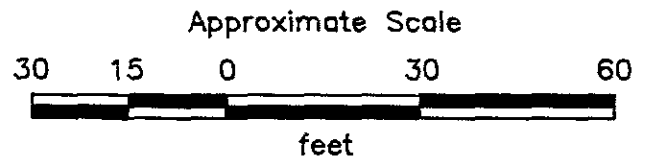


2.5 = OVM reading

2d ● = Soil sampling point

T4 = Tank number

Source : Modified from plan
supplied by Exxon



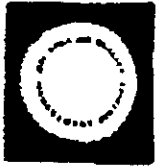
PROJECT NO. 19025-1

**EXCAVATED SOIL STOCKPILE AND
COMPOSITE SAMPLE LOCATIONS
(8-18-89)**
Exxon Service Station No. 7-7003
Pleasanton, California

PLATE

P - 11

APPENDIX A



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

133 ELLIS STREET
SAN FRANCISCO CALIFORNIA 94102
415 774 6000

REGULATION 8. RULE 40 Aeration of Contaminated Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 349 Main Street
 CITY, STATE, ZIP Pleasanton, CA. 94566
 OWNER NAME Exxon Co., USA.
 SPECIFIC LOCATION OF PROJECT MAIN ST. AND ANGELA ST. [NW CORNER OF LOT - PERPENDI-
 CULAR TO ANGELA ST.]

TANK REMOVAL

SCHEDULED STARTUP DATE 8/1/89
 VAPORS REMOVED BY:
 WATER WASH
 VAPOR FREEING (CO₂)
 VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 8/2/89
 STOCKPILES WILL BE COVERED? YES NO
 ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
BURNING OF SOIL TO REMOVE HYDROCARBONS
 (MAY REQUIRE PERMIT)
ON Site Determination of Contamination of
STACKPILE

CONTRACTOR INFORMATION

NAME Town and Country Contractors CONTACT MR. GEORGE LEEN
 ADDRESS 117 OTTO CIRCLE PHONE (916) 392-1860
 CITY, STATE, ZIP SACRAMENTO, CA. 95822

CONSULTANT INFORMATION

(IF APPLICABLE)

NAME Applied Geosystems CONTACT Robin Ross
 ADDRESS 43255 Mission Blvd. St "B" PHONE (415) 651-1906
 CITY, STATE, ZIP FREMONT, CA 94539

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____
 (INIT.)
 CC: INSPECTOR NO. _____ DATE _____ BY _____
 (INIT.)
 TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
 BAAQMD N # _____

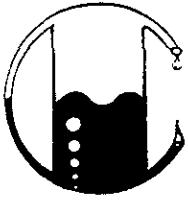
APPENDIX B

STANDARD FIELD PROCEDURES

Soil Sampling

Soil samples were collected with a handheld percussion sampler containing a clean brass sleeve. The samples were obtained by driving the sampler into the soil pile (stock pile sampling) or backhoe bucket load of soil (in situ sample). After the sampler was recovered, the brass sleeve was removed. Each sample was sealed promptly in its brass sleeve with aluminum foil, plastic caps, and tape. The sealed samples were labeled and placed in iced storage pending transport to a laboratory certified by the State of California to perform the required testing. A Chain of Custody Record for each set of samples was initiated by the field geologist and is included in Appendix B of this report. An organic vapor meter (OVM) was used to evaluate the organic vapor concentrations in the soil samples. Readings were collected by placing the rubber cup skirting the intake probe flush against the end of the soil sample promptly after the sleeve was removed from the sampler. Measurements from instruments such as the OVM can be used to indicate relative organic vapor concentrations in soil but cannot be used to measure the level of hydrocarbon compounds with the precision of laboratory analytical methods.

APPENDIX C



MOBILE CHEM LABS INC.

1678 Reliez Valley Road
Lafayette, CA 94549 • (415) 945-1266

Exxon Company
2300 Clayton Rd. Suite 1250
Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089001

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0801-1A-1D SOIL

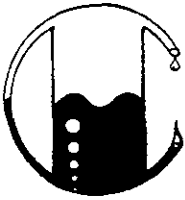
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 1.1 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans
Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road
Lafayette, CA 94549 • (415) 945-1266

Exxon Company
2300 Clayton Rd. Suite 1250
Concord, CA 94520
Attn : Jackie Roddy

Date Sampled:08-01-89
Date Received:08-01-89
Date Reported:08-01-89

Sample Number

V089009

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0801-2A-2D SOIL

ANALYSIS

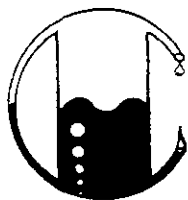
| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 1.1 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans

for Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road
Lafayette, CA 94549 • (415) 945-1266

Exxon Company
2300 Clayton Rd. Suite 1250
Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089010

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0801-3A-3D SOIL

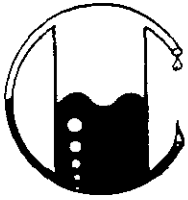
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

for *Joy A.V. Dishneau*
Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road
Lafayette, CA 94549 • (415) 945-1266

Exxon Company
2300 Clayton Rd. Suite 1250
Concord, CA 94520
Attn : Jackie Roddy

Date Sampled:08-01-89
Date Received:08-01-89
Date Reported:08-01-89

Sample Number

V089011

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0801-4A-4D SOIL

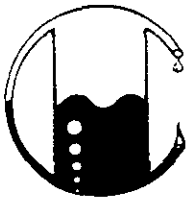
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

JoyAV Dishmeau
for
Ronald G. Evans
Lab Director



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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-02-89
Date Received: 08-02-89
Date Reported: 08-02-89

Sample Number

V089036

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0802-6A-8D SOIL

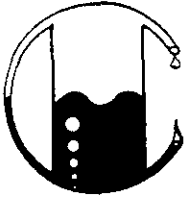
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 1.4 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089035

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0802-5A-5D SOIL

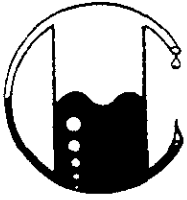
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 2.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089006

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-14-T1A SOIL

ANALYSIS

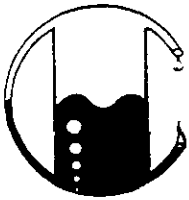
| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

JayAV Dishneau

for Ronald G. Evans
Lab Director



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Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089004

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-14-T2A SOIL

ANALYSIS

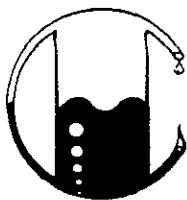
| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Joy A. Dishman

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Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089003

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-14-T3A SOIL

ANALYSIS

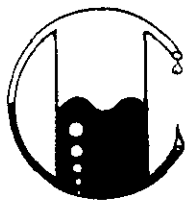
| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

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Attn: Jackie Roddy

Date Sampled:08-01-89
Date Received:08-01-89
Date Reported:08-01-89

Sample Number

V089005

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-23-T1B SOIL

ANALYSIS

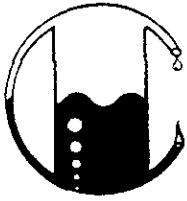
| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 150 |
| Benzene | 0.1 | 0.5 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089002

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-21-T2B SOIL

ANALYSIS

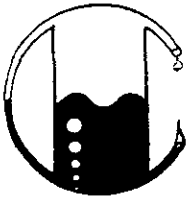
| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 2.2 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089008

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-23-T3B SOIL

ANALYSIS -----

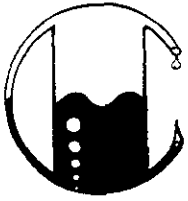
| | Detection Limit ----- ppm | Sample Results ----- ppm |
|---|------------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 130 |
| Benzene | 0.1 | 0.3 |
| Toluene | 0.1 | 0.2 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089029

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-15-CPE SOIL

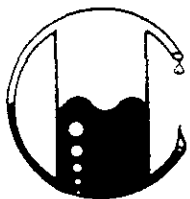
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089028

Sample Description

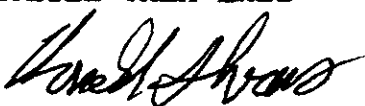
Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-15-CPW SOIL

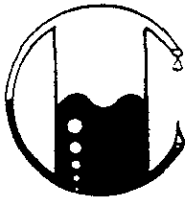
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089030

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-24-T1B SOIL

ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-02-89
Date Received: 08-02-89
Date Reported: 08-02-89

Sample Number

V089031

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-24-T3B SOIL

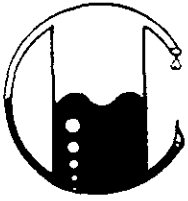
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 40 |
| Benzene | 0.1 | 2.7 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | 15 |
| Ethylbenzene | 0.1 | 2.8 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

Sample Number

V089007

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-7-WOT SOIL

ANALYSIS

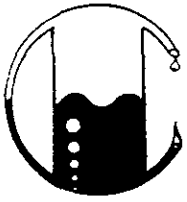
| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020(Automated) and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

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for Ronald G. Evans
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Exxon Company
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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled:08-01-89
Date Received:08-01-89
Date Reported:08-01-89

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Detection Limit</u> | <u>Total Petroleum Hydrocarbons as Diesel</u> |
|--------------------------|--|----------------------------|---|
| | | ppm | ppm |
| | Exxon Station 349 Main St. - Pleasanton | | |
| V089007 | S-7- WOT | 5 | <5 |

Note: Analysis was performed using EPA methods 5030 and 8015

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for *Joy AV Dishman*
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Lab Director



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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-01-89
Date Received: 08-01-89
Date Reported: 08-01-89

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Detection Limit</u> | <u>Gravimetric Waste Oil as Petroleum Oil</u> |
|--------------------------|---|----------------------------|---|
| | | ppm | ppm |
| | Exxon Station 349 Main St., Pleasanton | | |
| V089007 | S-7-WOT | 50 | <50 |

Note: Analysis was performed using EPA extraction method 3510 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503e

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for Ronald G. Evans
Lab Director

**EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)**

| | | | |
|------------------|----------------|------------------|--------------------|
| Sample I.D.: | S-7 WOT/089007 | Client: | MCL |
| Sample Received: | 08/02/89 | Client Ref. No.: | Exxon 349 Main St. |
| Sample Analyzed: | 08/02/89 | Lab Client Code: | 77442 |
| Sample Matrix: | Soil | Lab No.: | 8908021-01 |

| <u>Compound</u> | <u>Concentration µg/kg (ppb)</u> | <u>Limit of Detection µg/kg (ppb)</u> |
|---------------------------|--------------------------------------|---|
| Chloromethane | ND | 10 |
| Bromomethane | ND | 4 |
| Vinyl chloride | ND | 4 |
| Chloroethane | ND | 4 |
| Methylene chloride | ND | 10 |
| Trichlorofluoromethane | ND | 3 |
| 1,1-dichloroethene | ND | 3 |
| 1,1-dichloroethane | ND | 3 |
| Trans-1,2-dichloroethane | ND | 3 |
| Chloroform | ND | 3 |
| 1,2-dichloroethane | ND | 3 |
| 1,1,1-trichloroethane | ND | 3 |
| Carbon tetrachloride | ND | 3 |
| Bromodichloromethane | ND | 3 |
| 1,2-dichloropropane | ND | 3 |
| Cis-1,3-dichloropropene | ND | 3 |
| Trichloroethene | ND | 4 |
| Benzene | ND | 2 |
| Dibromochloromethane | ND | 2 |
| 1,1,2-trichloroethane | ND | 3 |
| Trans-1,3-dichloropropene | ND | 5 |
| 2-chloroethylvinylether | ND | 3 |
| Bromoform | ND | 3 |
| 1,1,2,2-tetrachloroethane | ND | 4 |
| Tetrachloroethene | ND | 4 |
| Toluene | ND | 2 |
| Chlorobenzene | ND | 3 |
| Ethylbenzene | ND | 3 |
| 1,3-dichlorobenzene | ND | 3 |
| 1,2-dichlorobenzene | ND | 3 |
| 1,4-dichlorobenzene | ND | 3 |
| Freon 113 | ND | 3 |
| Total Xylenes | ND | 3 |
| Acetone | ND | 10 |
| 2-Butanone | ND | 10 |
| 4-Methyl-2-pentanone | ND | 10 |
| 2-Hexanone | ND | 10 |
| Vinyl Acetate | ND | 6 |
| Carbon Disulfide | ND | 4 |
| Styrene | ND | 4 |

ND = Not detected at or above limit of detection.

EPA METHOD 8240
PURGEABLE ORGANICS
(LOW-LEVEL METHOD)

Sample I.D.: Method Blank Client: MCL
 Sample Received: Client Ref. No.: Exxon 349 Main St.
 Sample Analyzed: 08/02/89 Lab Client Code: 77442
 Sample Matrix: Soil Lab No.: 8908021-MB

| <u>Compound</u> | <u>Concentration µg/kg (ppb)</u> | <u>Limit of Detection µg/kg (ppb)</u> |
|---------------------------|--------------------------------------|---|
| Chloromethane | ND | 10 |
| Bromomethane | ND | 4 |
| Vinyl chloride | ND | 4 |
| Chloroethane | ND | 4 |
| Methylene chloride | ND | 10 |
| Trichlorofluoromethane | ND | 3 |
| 1,1-dichloroethene | ND | 3 |
| 1,1-dichloroethane | ND | 3 |
| Trans-1,2-dichloroethene | ND | 3 |
| Chloroform | ND | 3 |
| 1,2-dichloroethane | ND | 3 |
| 1,1,1-trichloroethane | ND | 3 |
| Carbon tetrachloride | ND | 3 |
| Bromodichloromethane | ND | 3 |
| 1,2-dichloropropane | ND | 3 |
| Cis-1,3-dichloropropene | ND | 3 |
| Trichloroethene | ND | 4 |
| Benzene | ND | 2 |
| Dibromochloromethane | ND | 2 |
| 1,1,2-trichloroethane | ND | 3 |
| Trans-1,3-dichloropropene | ND | 5 |
| 2-chloroethylvinylether | ND | 3 |
| Bromoform | ND | 3 |
| 1,1,2,2-tetrachloroethane | ND | 4 |
| Tetrachloroethene | ND | 4 |
| Toluene | ND | 2 |
| Chlorobenzene | ND | 3 |
| Ethylbenzene | ND | 3 |
| 1,3-dichlorobenzene | ND | 3 |
| 1,2-dichlorobenzene | ND | 3 |
| 1,4-dichlorobenzene | ND | 3 |
| Freon 113 | ND | 3 |
| Total Xylenes | ND | 3 |
| Acetone | ND | 10 |
| 2-Butanone | ND | 10 |
| 4-Methyl-2-pentanone | ND | 10 |
| 2-Hexanone | ND | 10 |
| Vinyl Acetate | ND | 6 |
| Carbon Disulfide | ND | 4 |
| Styrene | ND | 4 |

ND = Not detected at or above limit of detection.

INORGANIC LABORATORY ANALYSES

Sample I.D.: See below Client: MCL
 Sample Received: 08/02/89 Client Ref. No.: Exxon 349 Main St.
 Sample Analyzed: 08/02/89 Lab Client Code: 77442
 Sample Matrix: Soil Lab No.: 8908021

| Batch Sub. No. | Sample Identification | Lead (mg/kg) | Zinc (mg/kg) |
|----------------|-----------------------|--------------|--------------|
| -01 | S-7-WOT/089007 | 13 | 44 |
| -MB | Method Blank | <1 | <1 |
| | | | |
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Limit of Detection: 1 1
 Method Reference: EPA 6010 EPA 6010

< = less than, below limit of detection



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2300 Clayton Rd. Suite 1250
Concord, CA 94520
Attn: Jackie Roddy

Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089034

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-20-NWE SOIL

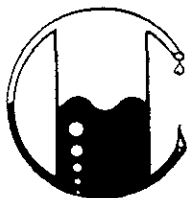
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 1.3 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Lab Director



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Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089033

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-20-NWW SOIL

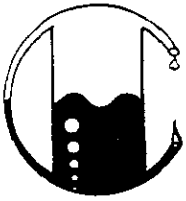
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled:08-02-89
Date Received:08-02-89
Date Reported:08-02-89

Sample Number

V089032

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-20-WW SOIL

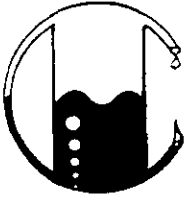
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ----- ppm | ----- ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | 15 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | 4.5 |
| Ethylbenzene | 0.1 | 1.4 |

Note: Analysis was performed using EPA methods 5020 (Automated) and 8015 with method 8020 used for BTX distinction.

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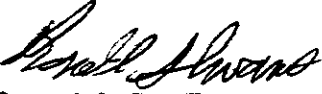
Exxon Company
2300 Clayton Rd., Suite 1250
Concord, CA 94520
Attn: Jackie Roddy

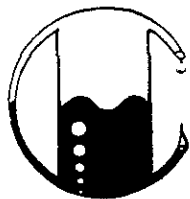
Date Sampled: 08-02/3-89
Date Received: 08-02/3-89
Date Reported: 08-03-89

| Sample Number | Sample Description | Detection Limit | Total Petroleum Hydrocarbons as Diesel |
|------------------|---|--------------------|---|
| ----- | ----- | ----- | ----- |
| | | ppm | ppm |
| | Exxon Station 349 Main St. - Pleasanton Site ID 19025-1 | | |
| 089033 | S-0803-2E | 5 | 11 |
| 089034 | S-24-T1B | 5 | <5 |

Note: Analysis was performed using EPA methods 3550 and 8015

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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled:08-03-89
Date Received:08-03-89
Date Reported:08-03-89

Sample Number

089033

Sample Description

Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-0803-2E SOIL

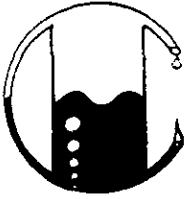
ANALYSIS

| | Detection Limit ----- ppm | Sample Results ----- ppm |
|--|------------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons as Gasoline <i>old gasoline Standard</i> | 1.0 | 75 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | 0.4 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and 8015 with method 8020 used for BTX distinction.

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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled:08-03-89
Date Received:08-03-89
Date Reported:08-03-89

Sample Number

089034

Sample Description


Exxon Station # 7-7003
349 Main St., Pleasanton
Site ID # 19025-1
S-24-T1B SOIL

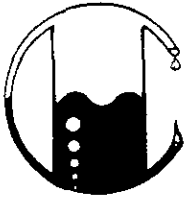
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ----- ppm | ----- ppm |
| Total Petroleum Hydrocarbons as Gasoline <i>old gas standard</i> | 1.0 | 4.3 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | 0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and 8015 with method 8020 used for BTX distinction.

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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled:08-03-89
Date Received:08-03-89
Date Reported:08-03-89

Sample Number

089035

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-13-NPB SOIL

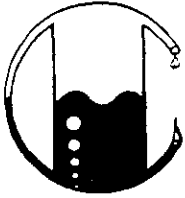
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5020 and TPH LUFT
with method 8020 used for BTX distinction

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Attn: Jackie Roddy

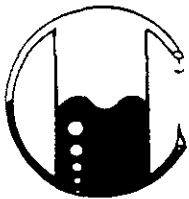
Date Sampled:08-03-89
Date Received:08-03-89
Date Reported:08-03-89

| Sample Number | Sample Description | Detection Limit | Total Petroleum Hydrocarbons as Diesel |
|------------------|--|--------------------|---|
| ----- | ----- | ----- | ----- |
| | | ppm | ppm |
| | Exxon Station - 7-7003 349 Main St. - Pleasanton Site ID 19025-1 | | |
| 089135 | S-13-NPB | 5 | 10 |

Note: Analysis was performed using EPA methods 3550 and 8015

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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-09-89
Date Received: 08-09-89
Date Reported: 08-09-89

Sample Number

089047

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-3-PL1 SOIL

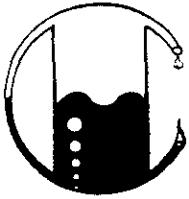
ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and
TPH LUFT with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled: 08-09-89
Date Received: 08-09-89
Date Reported: 08-09-89

Sample Number

089048

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-3-PL2 SOIL

ANALYSIS

| | Detection Limit ----- ppm | Sample Results ----- ppm |
|---|------------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and
TPH LUFT with method 8020 used for BTX distinction.

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Attn: Jackie Roddy

Date Sampled: 08-09-89
Date Received: 08-09-89
Date Reported: 08-09-89

Sample Number

089049

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-3-PL3 SOIL

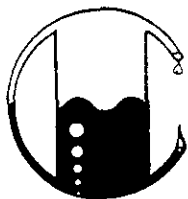
ANALYSIS

| | Detection Limit | Sample Results |
|---|--------------------|-------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and
TPH LUFT with method 8020 used for BTX distinction.

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Exxon Company
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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled:08-09-89
Date Received:08-09-89
Date Reported:08-09-89

Sample Number

089050

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-3-PL4 SOIL

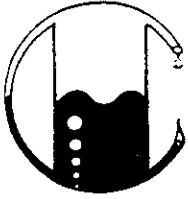
ANALYSIS

| | Detection Limit ----- ppm | Sample Results ----- ppm |
|---|------------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and
TPH LUFT with method 8020 used for BTX distinction.

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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-09-89
Date Received: 08-09-89
Date Reported: 08-09-89

Sample Number

089051

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-3-PL5 SOIL

ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and
TPH LUFT with method 8020 used for BTX distinction.

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Exxon Company
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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-09-89
Date Received: 08-09-89
Date Reported: 08-09-89

Sample Number

089052

Sample Description

Exxon Station # 7-7003
349 Main ST., Pleasanton
Site ID # 19025-1
S-3-PL6 SOIL

ANALYSIS

| | <u>Detection Limit</u> | <u>Sample Results</u> |
|---|----------------------------|---------------------------|
| | ppm | ppm |
| Total Petroleum Hydrocarbons as Gasoline | 1.0 | <1.0 |
| Benzene | 0.1 | <0.1 |
| Toluene | 0.1 | <0.1 |
| Xylenes | 0.1 | <0.1 |
| Ethylbenzene | 0.1 | <0.1 |

Note: Analysis was performed using EPA methods 5030 and
TPH LUFT with method 8020 used for BTX distinction.

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Exxon Company
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Concord, CA 94520
Attn: Jackie Roddy

Date Sampled: 08-18-89
Date Received: 08-18-89
Date Reported: 08-20-89

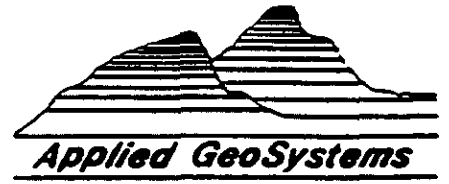
| <u>Sample Number</u> | <u>Sample - Description</u> | <u>Detection Limit</u> | <u>Total Petroleum Hydrocarbons as Diesel</u> |
|--------------------------|--|----------------------------|---|
| | | ppm | ppm |
| | Exxon Station - 7-7003 349 Main St. - Pleasanton Site ID 19025-1 | | |
| V089135 | S-0818-1A-1D | 5 | <5 |
| V089136 | S-0818-2A-2D | 5 | <5 |

Note: Analysis was performed using EPA methods 3550 and 8015

MOBILE CHEM LABS


Ronald G. Evans
Lab Director

CHAIN OF CUSTODY RECORD



SAMPLER (signature): *Jan Kirkman*

Phone: 651-1906

LABORATORY: Mobile Chem Lab

TURNAROUND TIME: 24 hr

Project Leader: Leigh Beem

Phone No. 651-1906

43255 Atisskan Blvd Suite B Fremont, CA 94539 (415) 651-1

SHIPPING INFORMATION:

Shipper _____

Address _____

Date Shipped _____

Service Used _____

Airbill No. _____ Cooler No. _____

Relinquished by: (signature) *Jan Kirkman*

Received by: (signature) _____ Date 8/1/89

Received for laboratory by: *J. Dishman* 8/1/89

LABORATORY SHOULD SIGN UPON RECEIPT AND RETURN A COPY OF THIS FORM WITH THE LABORATORY RESULTS

| Sample No. | Site Identification | Date Sampled | Analyses Requested | Sample Condition Upon Receipt | |
|-------------|---------------------|----------------|---------------------------------|-------------------------------|-----------|
| Composite { | <u>5-0801-1a</u> | <u>19025-1</u> | <u>8-1-89</u> | <u>TPH(8015) BETX(8020)</u> | <u>DK</u> |
| | <u>5-0801-1b</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> |
| | <u>5-0801-1c</u> | | | | |
| | <u>5-0801-1d</u> | | | | |
| | <u>5-21-T2B</u> | | | | |
| | <u>5-14-T3A</u> | | | | |
| | <u>5-14-T2A</u> | | | | |
| | <u>5-23-T1B</u> | | | | |
| | <u>5-14-T1A</u> | | | | |
| | <u>5-7-WOT</u> | | | | |
| | <u>5-23-T3B</u> | | <u>TPH(8015) TEHD (8240)</u> | | |
| | | | <u>TOG(503E) Ca, Cd, Pb, Zn</u> | | |
| Composite { | <u>5-0801-2a</u> | | | | |
| | <u>5-0801-2b</u> | | | | |
| | <u>5-0801-2c</u> | | | | |
| | <u>5-0801-2d</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> |

CHAIN OF CUSTODY RECORD



SAMPLER (signature): Jan Kieberman
 Phone: 651-1906

43255 Mission Blvd Suite B Fremont, CA 94539 (415) 651-1

LABORATORY: Mobile Chem Lab

SHIPPING INFORMATION:

Shipper _____
 Address _____
 Date Shipped _____
 Service Used _____
 Airbill No. _____ Cooler No. _____

TURNAROUND TIME: 24hr
 Project Leader: Leigh Beem
 Phone No. 651-1906

Relinquished by: (signature)
Jan Kieberman

| Received by: (signature) | Date | Time |
|--------------------------|---------------|----------|
| <u>J. Dishman</u> | <u>8/2/89</u> | <u>4</u> |
| | | |
| | | |

LABORATORY SHOULD SIGN UPON RECEIPT AND RETURN A COPY OF THIS FORM WITH THE LABORATORY RESULTS

| Sample No. | Site Identification | Date Sampled | Analyses Requested | Sample Condition Upon Receipt |
|------------------|---------------------|---------------|---|-------------------------------|
| <u>S-15-CPW</u> | <u>19025-1</u> | <u>8-2-89</u> | <u>TPH₂ (4015) BTEX (4020)</u> | <u>iced</u> |
| <u>S-15-CPE</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> |
| <u>S-24-T1B</u> | | | | |
| <u>S-24-T3B</u> | | | | |
| <u>S-20-WW</u> | | | | |
| <u>S-20-NWW</u> | | | | |
| <u>S-20-NWE</u> | | | | |
| <u>S-0802-5A</u> | | | | |
| <u>S-0802-5B</u> | | | | |
| <u>S-0802-5C</u> | | | | |
| <u>S-0802-5D</u> | | | | |
| <u>S-0802-6A</u> | | | | |
| <u>S-0802-6B</u> | | | | |
| <u>S-0802-6C</u> | | | | |
| <u>S-0802-6D</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> | <u>DK</u> |

composite
 composite

Mr. Lester Feldman of the California Regional Water Quality Control Board, San Francisco Bay Region, 1111 Jackson Street, Room 6040, Oakland, California 94607.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This investigation was conducted solely for the purpose of evaluating environmental conditions of the soil and first ground water with respect to hydrocarbon-product contamination in the vicinity of the subject property. No soil engineering or geotechnical recommendations are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available. Additional work, including further subsurface investigation, can reduce the inherent uncertainties associated with this type of investigation.

APPENDICES

APPENDIX A: PERMIT

APPENDIX B: FIELD PROCEDURES

APPENDIX C: CHAIN OF CUSTODY RECORDS AND LABORATORY ANALYSES

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|-------------------------------------|----|
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PLATES

| | |
|-------------|---|
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