APPENDIX A

UNAUTHORIZED RELEASE FORM

25 November 1992
EBS report

INCLUDES

Appendix A
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L

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY: ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM

SIGNED ______ DATE ______

REPORT DATE: 08 / 1 / 92 (M M D D Y Y)

CASE #

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: DAVE SATUFF

PHONE: (510) 429-29XX

SIGNATURE: [signature]

REPRESENTING: ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER

COMPANY OR AGENCY NAME: ENVIRONMENTAL BIO-SYSTEMS

ADDRESS: 3602S IND. PKWY S.W., SUITE C, HAYWARD (STREET, CITY) CA (STATE) 94544 (ZIP)

RESPONSIBLE PARTY

NAME: CITY + COUNTY OF SAN FRANCISCO ☐ UNKNOWN

CONTACT PERSON: PAM HOLLIS

PHONE: (415) 551-2792

ADDRESS: 1101 GROVE ST., SAN FRANCISCO, CA 94102 (STREET, CITY, STATE, ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): SAN ANTONIO PUMP STATION

OPERATOR:

PHONE: (510) 862-2981

ADDRESS: 5555 CALAVERAS ROAD, SUNOL, ALAMEDA 94586 (STREET, CITY, COUNTY, ZIP)

CROSS STREET:

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: ALAMEDA COUNTY HEALTH

CONTACT PERSON: SCOTT SEERY

PHONE: (510) 271-4320

REGIONAL BOARD: SAN FRANCISCO BAY

CONTACT PERSON: TODU SO

PHONE: (510) 464-1255

SUBSTANCES INVOLVED

	NAME	QUANTITY LOST (GALLONS)
(1)	WASTE OIL	☒ UNKNOWN
(2)		☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 11 / 2 / 91 (M M D D Y Y)

HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER

DATE DISCHARGE BEGAN: (M M D D Y Y) ☒ UNKNOWN

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE (M M D D Y Y)

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER

CASE TYPE

CHECK ONE ONLY: ☐ UNDETERMINED ☒ SOIL ONLY (crossed out) ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY:
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT)

COMMENTS

APPENDIX B

WORK PLAN

WORK PLAN #WP92001
PROJECT #004-189-02

SAN ANTONIO PUMP STATION
5555 CALAVERAS ROAD
SUNOL, CALIFORNIA

PREPARED BY ENVIRONMENTAL BIO-SYSTEMS, INC.

FOR

POWER ENGINEERING CONTRACTORS
1275 NORTH SAN ANTONIO ROAD
PALO ALTO, CALIFORNIA

Timothy M. Babcock
Environmental Scientist

Reviewed by:

James A. Jacobs
Registered Geologist #4815

REGISTERED GEOLOGIST JAMES A. JACOBS NO. 4815 STATE OF CALIFORNIA

3 February 1992

Power Engineering Contractors
San Antonio Pumping Station
5555 Calaveras Road
Sunol, CA

TABLE OF CONTENTS

FIGURES

1.0) INTRODUCTION

This document describes proposed subsurface exploration and remediation to be conducted for Power Engineering Contractors (the Client) at the City of San Francisco, San Antonio Pumping Station located at 5555 Calaveras Road in Sunol, California (the Site) by Environmental Bio-Systems, Inc. (EBS).

The site is owned by the City of San Francisco. The principal site contacts are:

Client Representative - Mr. Robert Beltramo, Power Engineering, 1275 North San Antonio Road, Palo Alto, CA 94303-4312, (415) 969-9696.

Property Owner/Representative - Mr. John Hetzner, City and County of San Francisco, Utilities Engineering Bureau, P.O. Box 730, 1000 El Camino Real, Millbrae, CA 94030, (510) 862-2973.

Consultant - Environmental Bio-Systems, Inc., 30028 Industrial Parkway Southwest, Suite C, Hayward, CA 94544, (510) 429-9988. Project Manager - Timothy M. Babcock.

1.1) Scope of Work

The scope of work described in this work plan outlines the further excavation of impacted soil, collection and analysis of soil samples, disposal of impacted soil, backfill and compaction of the excavation, and the installation and sampling of groundwater monitoring wells.

1.2) Site Description

The site is located at 5555 Calaveras Road in the City of Sunol and County of Alameda, California. A Site Location Map has been presented as Figure 1. A Site Diagram showing the locations of samples as well as relevant site structures and references, has been included in this report as Figure 2.

The site is located in a rural area. The topography of the site slopes noticeably towards the west. A commercial plant nursery is located to the west of the site.

One building was present on the site as of the date of this work plan. The building houses a water distribution pump station. Diesel powered generators were previously fed by Tanks A and B. Used motor oil was stored in Tank C. A concrete bermed containment area at the southwest corner of the building was observed to contain several drums of both new and used motor oil.

1.3) Background

On 7 November 1991, 3 underground storage tanks (USTs) were excavated and removed from the site. Two 9,600-gallon diesel tanks were found to have been set into a large concrete slab located along the eastern side of the building. Soil samples were not collected from this location at that time. At this time, a 500-gallon waste oil tank was also removed from the western side of the building. Soil samples collected from beneath this tank indicated the presence of constituents related to gasoline and diesel hydrocarbons, oil and grease, and polynuclear aromatic compounds.

Further subsurface explorations were performed from 21 November through 18 December 1991. The observations and results of both the tank removal and subsequent explorations were outlined in EBS report #004-189-01, dated 10 January 1992.

2.0) PERMITTING

Before commencement of work, all necessary permits from regulatory agencies will be obtained. All field work will be performed according to the site safety plan (SSP) prepared specifically for this project addressing the concerns of OSHA and Cal-OSHA. Work will begin following due notification of the Alameda County Health Agency (ACHA) and the Bay Area Air Quality Management District (BAAQMD). Underground service alert will be contacted at least 48 hours prior to work commencement to locate public owned utilities on the site.

3.0) EXCAVATION

Based upon the results of previous subsurface exploration, the anticipated lateral extent of hydrocarbon impact to be removed is shown in Figure 3. Excavation will be performed within the indicated area until the results of confirmation soil samples show residual levels of impacting constituents to be below the clean up targets, or until site limitations prevent further progress. Field screening will be performed to aid in the direction of excavation using a photoionization detector (PID), a portable instrument which measures organic vapors.

The vertical extent of excavation is estimated to be from 10 to 18-feet below grade. Shoring, or other accepted measures will be utilized by the client to prevent collapse and to comply with the guidelines of Cal-OSHA.

The total volume of soil to be excavated is estimated to be between 500 and 1,000-cubic yards, based upon the data and assumptions used in compiling Figure 3. Based upon the same information and assumptions, the total volume of hydrocarbon impacted soil to be removed is anticipated to be between 150 and 550-cubic yards.

3.1) Targeted Concentrations for Soil Excavation

The targeted levels for the excavation of impacted soil are greater than 10-parts per million (ppm) of total petroleum hydrocarbons as gas (TPHg) and benzene, toluene, ethylbenzene, and zylenes (BTEX) or total petroleum hydrocarbons as diesel (TPHd), and total oil and grease (TOG). The target for removal of the semi-volatile organic compounds identified by EPA method 8270 is to below limits of detection.

3.2) Confirmation Soil Sample Collection and Analysis

Soil sample locations will be located in the walls of the excavation at a frequency of 2 per 15-lineal feet of exposed surface. At each location, soil samples will be collected at depths of approximately 10 and 15-feet. The sample locations were chosen to reflect the depths at which impact was detected during earlier explorations. If the maximum vertical depth of excavation exceeds 15-feet, either the sampling depth interval will be increased, or additional samples will be collected.

The analysis of soil samples will be performed using both the services of an on-site mobile laboratory and a stationary laboratory. On-site analyses to include TOG using standard method 5520, TPHg and BTEX using EPA method 8015, and TPHd using a modified EPA method 8015 will be performed by Mobile Chem Labs, Inc. of Martinez, California (HMTL #1223). Analysis of samples for semi-volatile organic compounds using EPA method 8270 will be performed by Anametrix, Inc. of San Jose, California (HMTL #151). Individual samples collected during the progression of excavation may be run for any or all of the above mentioned constituents. The analyses of confirmation samples denoting the limits of excavation will include all compounds known to have been present at the source, unless previously collected samples have shown containment of an individual constituent(s) within a narrower radius of the source.

3.3) Soil Storage

That volume of soil which is suspected to contain concentration of impacting constituents, as indicated through previous exploration, will be placed in a storage pile(s) to be kept segregated from soil anticipated to be clean. Soil which is designated as clean overburden may be re-used as backfill material at the discretion of the client.

3.4) Soil Storage Pile Sample Collection and Analysis

Soil which is designated as being impacted will be sampled according to the analytical protocol requested by the intended disposal facility. Approximately 1 composite soil sample will be collected and analyzed for those compounds designated by the intended disposal facility for every 150-cubic yards of soil designated for disposal. An additional soil sample will be collected for every 200-cubic yards and analyzed for the following

analytes: reactivity with cyanide, sulfide, and water, corrosivity as pH, and ignitability by closed cup ignitability test (RCI), and the following heavy metals using EPA method 6010: barium (Ba), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), nickel (Ni), silver (Ag), and zinc (Zn), arsenic (As) using EPA method 7060, mercury (Hg) using EPA method 7470/7471, and Selenium (Se) using EPA method 7740. All samples will be tested at a laboratory certified by the State of California to perform the required analyses.

Soil designated for potential re-use as backfill will be sampled at a frequency of 1 discrete soil sample for every 20-cubic yards or according to the statistical protocol described in EPA #SW846. The soil samples collected will be examined for the following analytes at a laboratory certified by the State of California to perform the methods as stated above: TPHg and BTEX, TPHd, TOG, and semi-volatile organic compounds using those methods described in section 3.2.

The volume of soil shown to contain less than 10-mg/kg of TPHg and BTEX, TPHd, TOG, and less than the stated detection limits for semi-volatile organic compounds will be designated for possible re-use as backfill. All soil found to contain concentrations of impacting constituents in excess of these limits will be designated for disposal.

3.5) Wet Weather Contingency

To address the possibility of rain, all excavated soil will be placed on visqueen sheeting and covered. The National Weather Service will be accessed 2 days prior to work commencement to determine the likelihood of inclement weather. In the event that rain is forecast for the chosen work dates, an alternate start date may be chosen. The ACHA will be notified of any such alteration of this plan.

3.6) Backfill and Compaction

Following the completion of excavation, the resulting pit will be filled and compacted to grade. Imported engineered backfill material and excavated soil which has been indicated to be clean will be used to replace the removed soil. The backfilled soil will be compacted to 90% relative compaction up to a depth of 3-feet. Above the depth of 3-feet, the soil will be compacted to 95% relative compaction. One compaction test will be taken from backfilled and compacted material below the depth of 3-feet and one will be taken from the finished grade prior to paving.

3.7) Paving

Following completion of backfilling and compaction, the exposed surface of the excavation area will be repaved to conform to the existing structural section and configuration. Excavated areas in which asphalt pavement was removed shall be replaced with new pavement. A 3-inch thick lift of aggregate sub-base consisting of Cal Trans Class II baserock will be applied and compacted before the laying of asphalt. Tack coat oil shall be applied to all vertical surfaces. Paving in these areas shall consist of Type A asphalt

applied at a thickness conforming to the existing pavement. All asphaltic materials will conform with Cal Trans Standard Specifications.

3.8) Transport and Disposal of Impacted Soil

Soil designated for disposal will be transported by a licensed hauler to a Class II landfill or to a Class III landfill depending upon the concentration of contaminants revealed during analysis. A special non-hazardous waste manifest will be initiated and maintained for each truck load leaving the site. A certificate of destruction will be obtained from the final destination(s) following project completion.

4.0) GROUNDWATER EXPLORATION

Following the completion of soil excavation, backfill, and re-pavement, an exploration of the quality of the shallow water bearing layer will be performed. The scope of the exploration will include the installation, development, and sampling of three 4-inch diameter groundwater monitoring wells. Figure 4 shows a typical monitoring well design.

Proposed locations, reflecting the general topography of the site, are shown on figure 5. Discussion with Mr. Scott Seery of the ACHA did not indicate the existence of significant shallow groundwater quality data in the the vicinity of the site. Given the rural setting of the site, and lack of structures or improvements noted on adjacent properties, further inquiry was not performed.

4.1) Collection of Soil Samples

The borings will be drilled with a truck mounted mobile drilling rig equipped with 8-inch diameter hollow stemmed augers. Soil samples will be collected at 5-foot intervals within the borings. To collect the samples, a California-modified split-barrel sampler will be driven into the soil by a 140-pound weight falling 30-inches. The sampler will be driven a total of 18-inches. After the first 6-inches, the number of blows required to drive it the remaining 12-inches will be counted as an indicator of the relative density of granular soil and the consistency of cohesive soil.

The samples will be removed from the sampler as soon as it has been opened, and the ends of the brass liners containing soil designated for laboratory analysis will be wrapped with Teflon tape and sealed with plastic caps. The sample tubes will be labelled, stored on ice, and delivered to the certified analytical laboratory. The samples will be maintained and transferred in keeping with chain of custody procedures. The sampler will be washed with a non-phosphate cleaner and rinsed with distilled water between the collection of samples.

4.2) Groundwater Monitoring Well Installation

After advancing the augers to a depth approximately 15 to 20-feet below that depth at which water is first encountered, 4-inch diameter PVC casing will be inserted through the augers and completed as per currently accepted specifications for the installation of groundwater monitoring wells. The screened interval will be extended to a depth of approximately 5-feet above the depth at which water is encountered within the borings. Completion of the wells will include a filter pack of #3 sand to a depth of 2-feet above the

top of the well screen, 2-foot bentonite clay seal, portland cement seal to grade, traffic box set in concrete, and a well cap fitted with a lock.

4.3) Monitoring Well Development and Sampling

The wells will be developed after allowing at least 72-hours to elapse after completion of the groundwater monitoring well installations. Development of each well will be performed by evacuating water using a pump (typically, a peristaltic or piston type unit) until the effluent is noted to be free of silt or until at least ten well volumes have been evacuated and the measured parameters of the effluent, including pH, temperature, and conductivity indicate that the well has stabilized.

Sampling of the wells will be performed subsequent to allowing a period of at least 72-hours for stabilization following development. During purging and sampling of the wells, observations of the presence or absence and thickness of free product, presence of sheen or emulsified product, and well recharge rates will be noted on field logs by the sampling technician. A minimum of 4-casing volumes will be purged from each well prior to collection of a sample. Periodic measurements of pH, temperature, and conductivity will be performed and recorded on the field logs. When all three parameters are found to have stabilized, water samples will be collected using a new disposable bailer for each well. If free product is encountered in a well, no sample will be collected for laboratory analysis from that well.

If a well fails to recharge sufficiently prior to the purging of at least 4-well casing volumes, a sample will be collected only after that well has recovered to 80% of the initial water level encountered prior to purging.

4.4) Sample Analysis

Soil and water samples will be analyzed for some or all of the following constituents: TPHg and BTEX, TPHd, TOG, volatile organic compounds, semi-volatile organic compounds, and the heavy metals cadmium, chromium (total), nickel, lead, and zinc. Analyses will be performed at Anametrix, Inc., of San Jose, California.

4.5) Containment of Drill Cuttings and Well Purgings

All drill cuttings generated during advancement of soil borings will be placed on visqueen plastic and covered. Water purged from the wells during development and sampling, as well as that generated during the decontamination of equipment used in drilling, developing, and sampling of the wells will be contained and stored on-site within 55-gallon drums. Disposal of drill cuttings and stored water (if necessary) will be arranged for following the receipt of analytical results.

4.6) Groundwater Monitoring Schedule

Sampling and measurement of the wells will be performed for a minimum time period of 1-year on a quarterly basis. The results of the analyses of water samples collected during the performance of quarterly monitoring may present the need to extend or intensify this sampling protocol. Should the results of sampling indicate levels of constituents requiring remediation, a further plan may be drafted to reflect any changes in protocol.

4.7) Evaluation of the Direction of Groundwater Flow

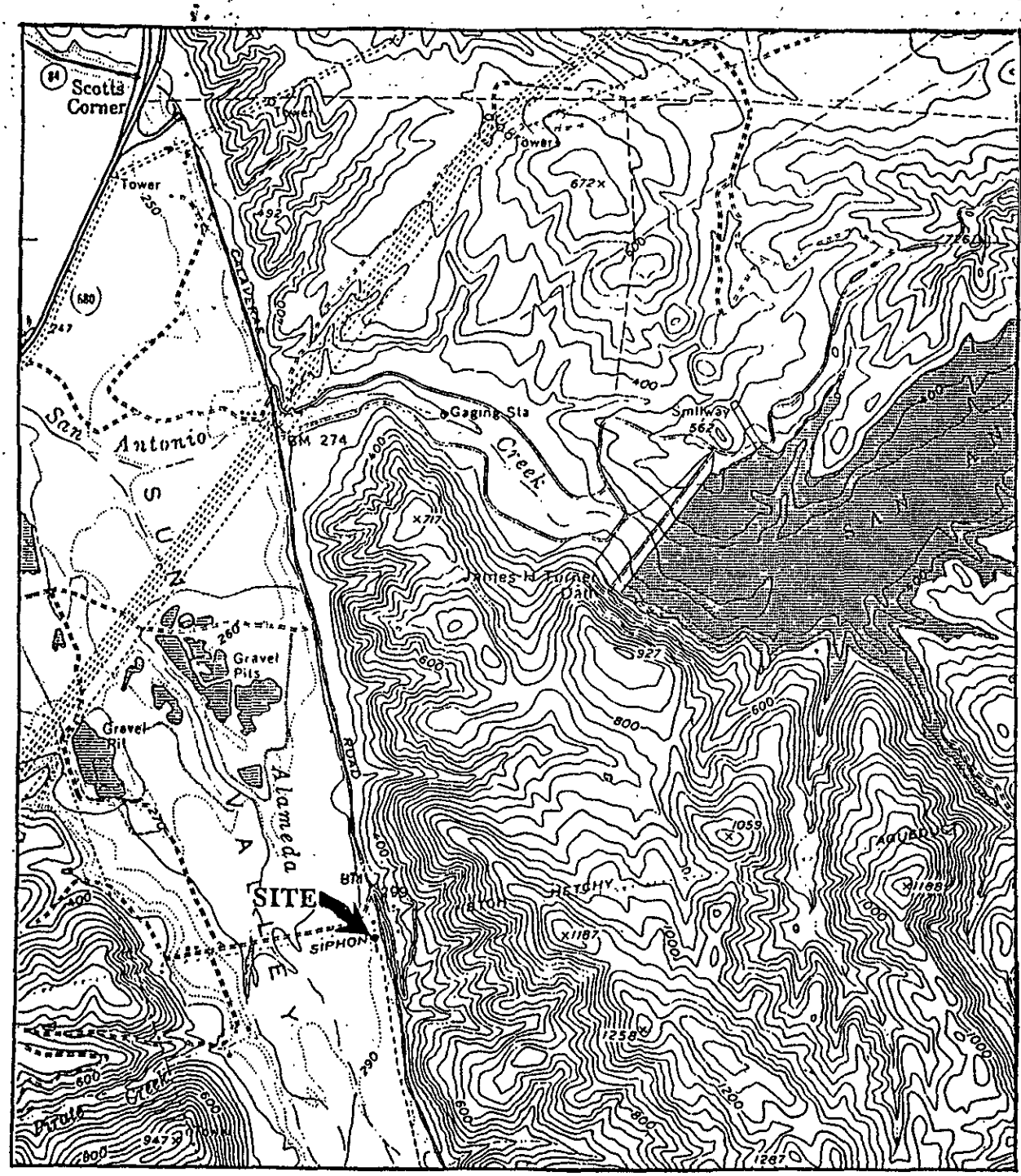
Following the development and sampling of the groundwater wells. The elevations of the well tops will be surveyed. Measurements of the depths to water within the wells will be made to allow calculation of a direction of groundwater flow beneath the site.

5.0) DOCUMENTATION

A final report documenting the observations, results, conclusions, and recommendations of the project will be prepared and submitted to the client within 30-days of the completion of groundwater sampling and flow direction evaluation. Interpretations of the site conditions and the results of analyses will also be provided. Documentation will include scaled diagrams, logs of soil types encountered, copies of the chain of custody forms, laboratory reports, tabulated data, and interpretative figures as needed. The information obtained during this work will remain confidential and will be released only with the authorization of our client, Power Engineering Contractors. It is the responsibility of the client to submit copies of this work plan and all reports to the following individuals and agencies:

California Regional Water Quality Control Board
San Francisco Bay Region
1800 Harrison Street, Suite 3
Oakland, CA 94559
ATTN: Mr. Eddy So

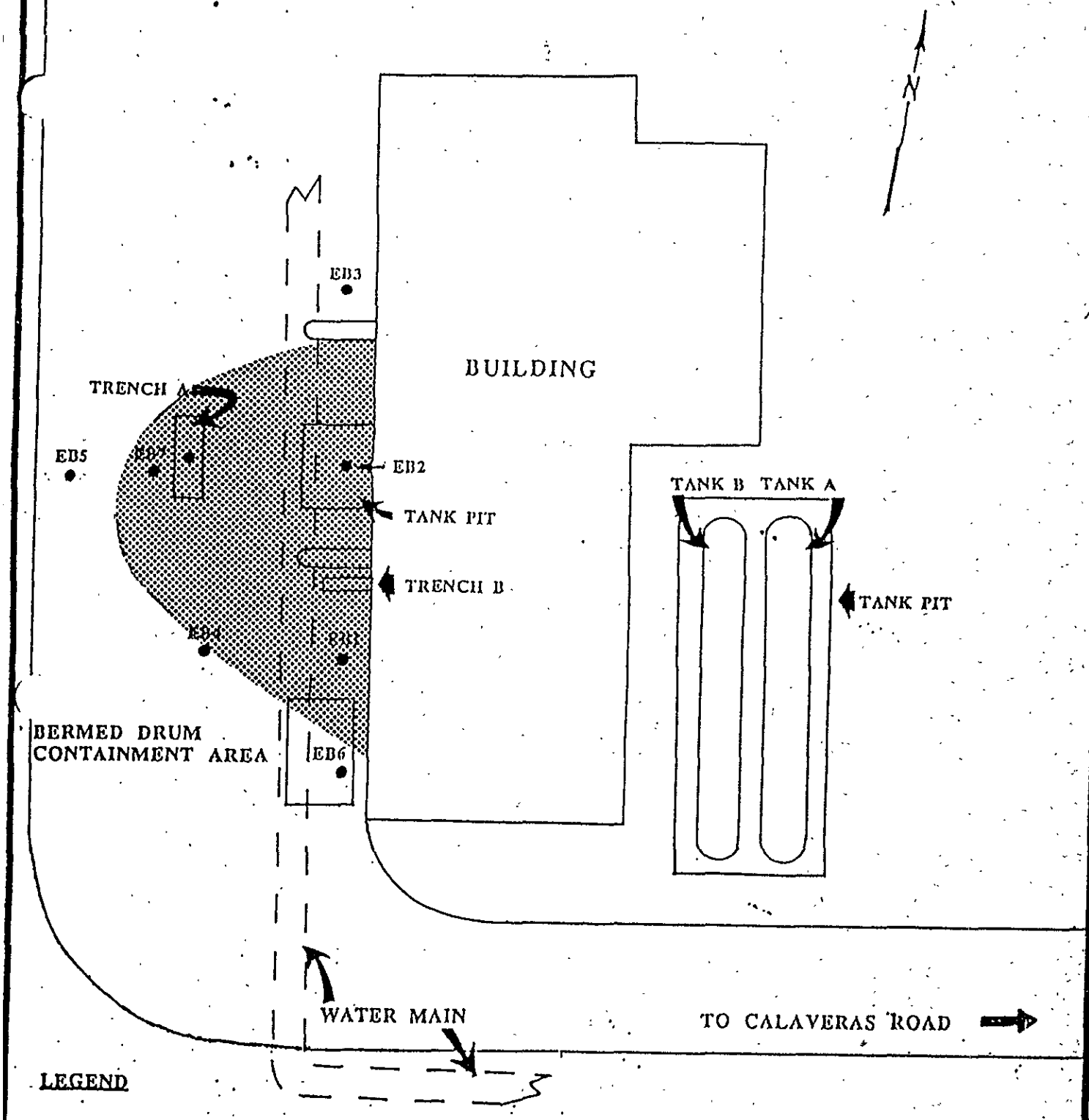
Alameda County Health Agency
Division of Hazardous Materials
Dept. of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621
ATTN: Dr. Ravi Arulanantham



Source: USGS Topographic Map, La Costa Valley Quadrangle

SCALE - 1:24,000

ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy., S.W. Suite C Hayward, CA 94544	DATE: FEB 1992 DRWN BY: SLS APPRVD: TMB	FIGURE 1: SITE LOCATION MAP SAN ANTONIO PUMP STA. 555 CALAVERAS ROAD SUNOL, CALIFORNIA



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Hayward, CA 94544

DATE: 2/3/92

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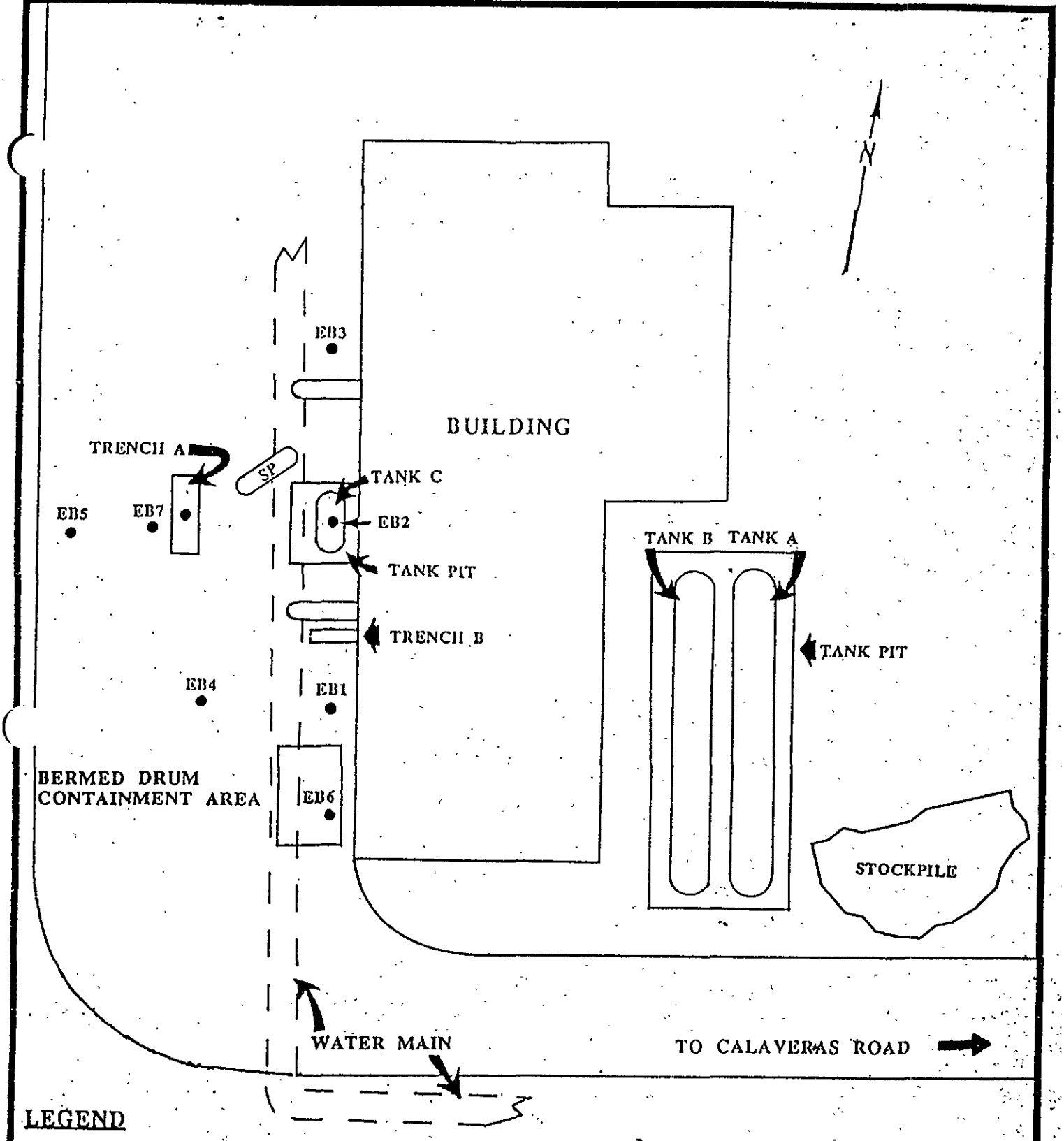
Figure 3: Estimated Area Of Excavation

SAN ANTONIO PUMP STA.
555 CALAVERAS ROAD
SUNOL, CALIFORNIA



LEGEND

EB7 ● - SOIL BORING
SP - STOCKPILE

SCALE - 1" = 20'

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Hayward, CA 94544

DATE: FEB 1992

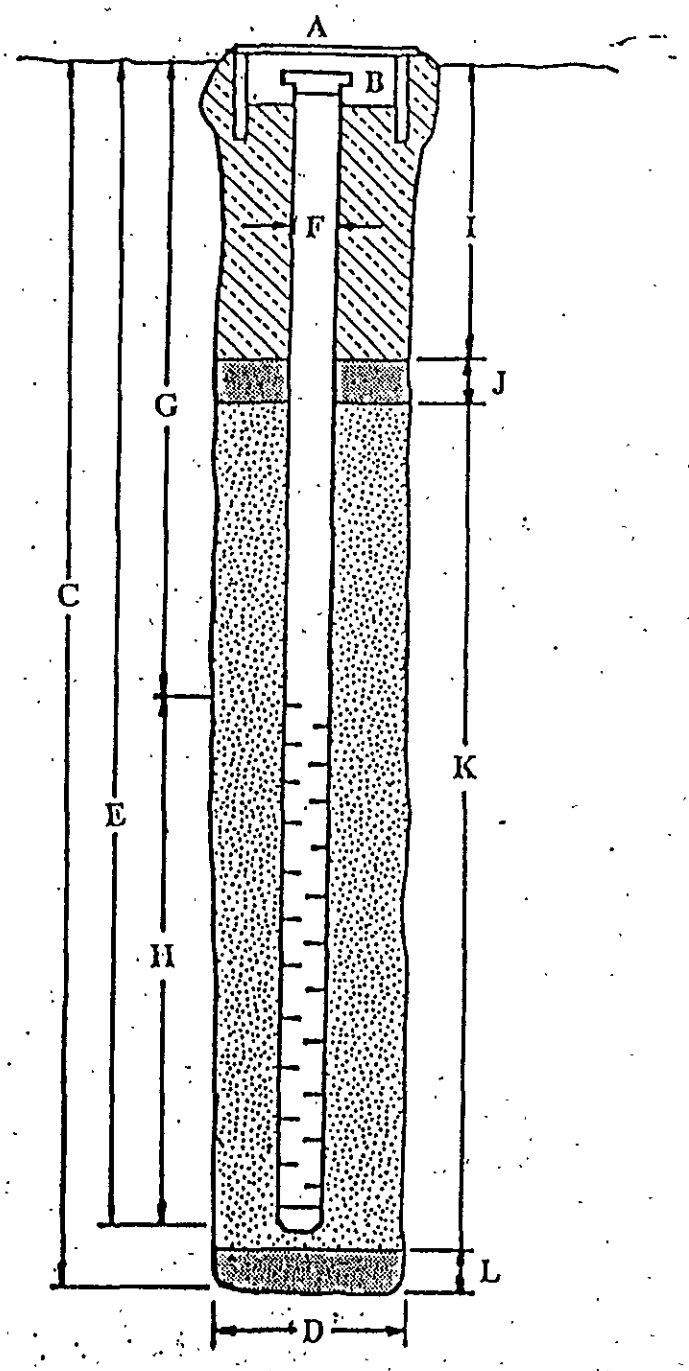
DRWN BY: SLS

APPRVD: TMB

FIGURE 2: SITE DIAGRAM

SAN ANTONIO PUMP STA.
555 CALAVERAS ROAD
SUNOL, CALIFORNIA

TYPICAL MONITORING WELL CONSTRUCTION DETAILS



A. Traffic Box

B. Locking Well Cap with Padlock

C. Total Boring Depth

D. Boring Diameter

E. Total Well Depth

F. Well Casing Diameter

G. Depth to Perforations

H. Perforated Interval

I. Surface Seal

J. Seal

K. Filter Pack

L. Bottom Seal

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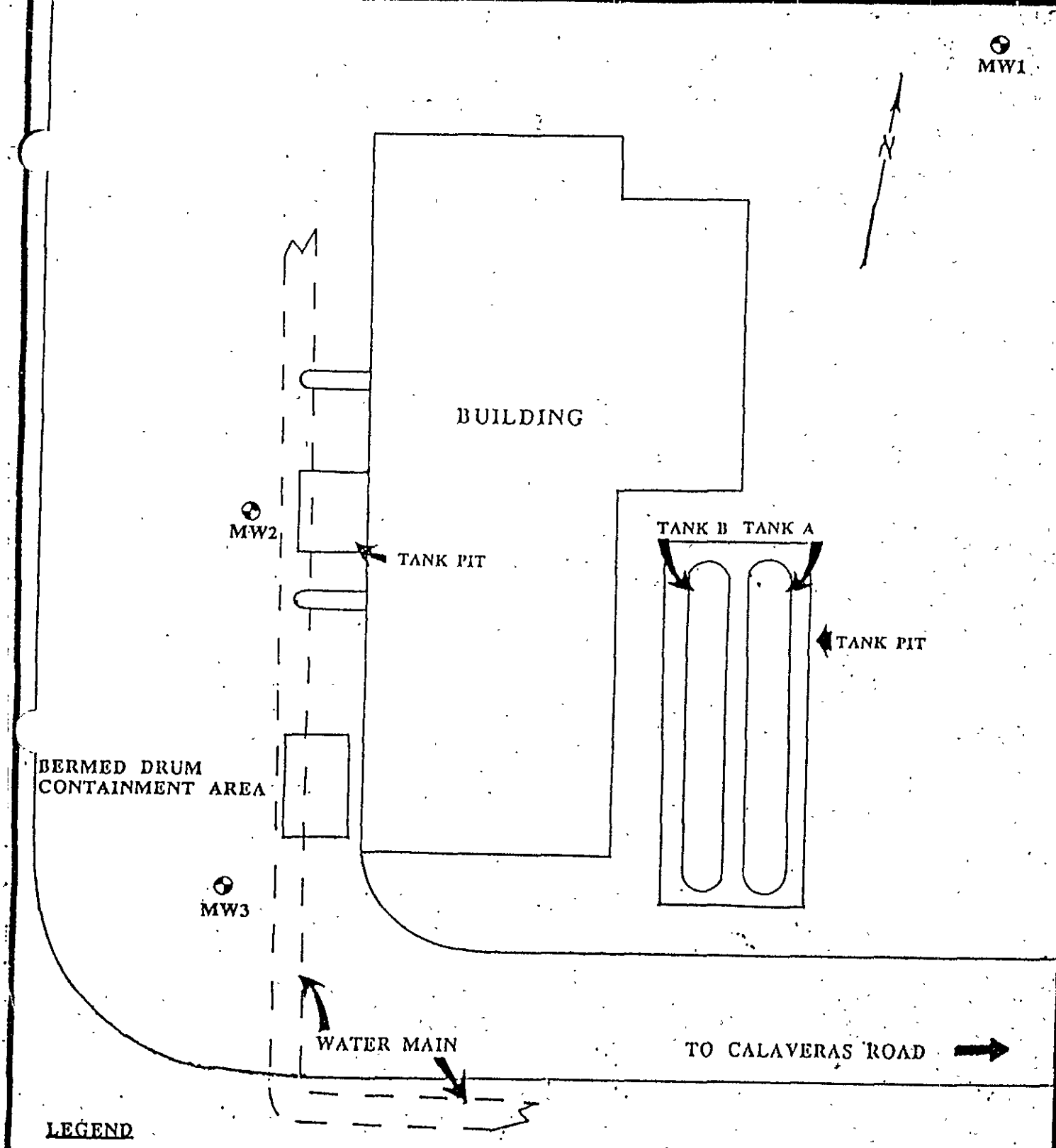
APPRVD:

Figure 4: Typical Well Construction Detail



SCALE - 1" = 20'

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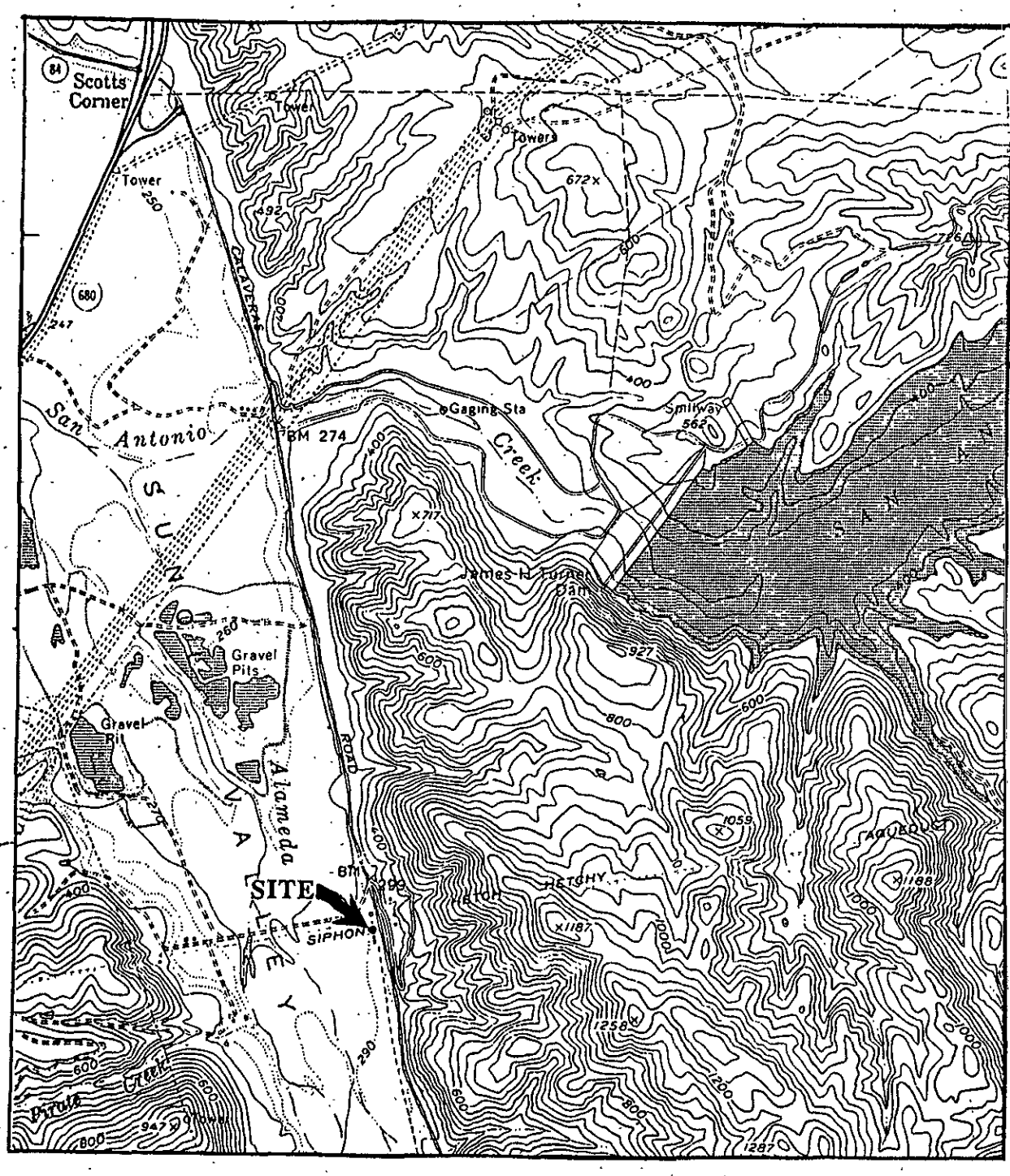
Figure 5: Proposed Well Locations

SAN ANTONIO PUMP STA.
555 CALAVERAS ROAD
SUNOL, CALIFORNIA



Source: USGS Topographic Map, La Costa Valley Quadrangle

SCALE - 1:24,000

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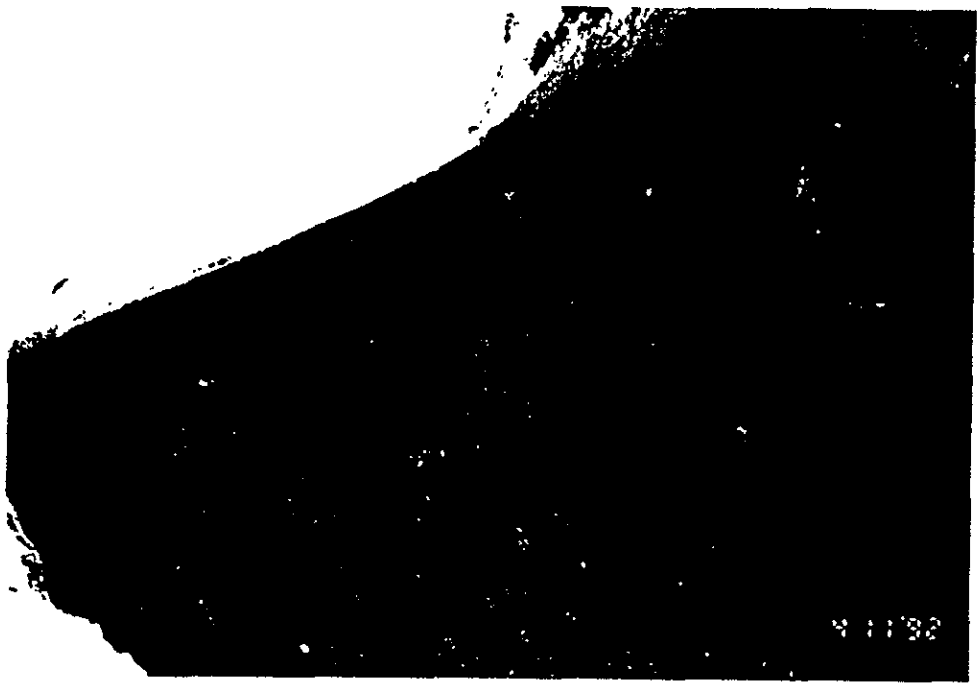
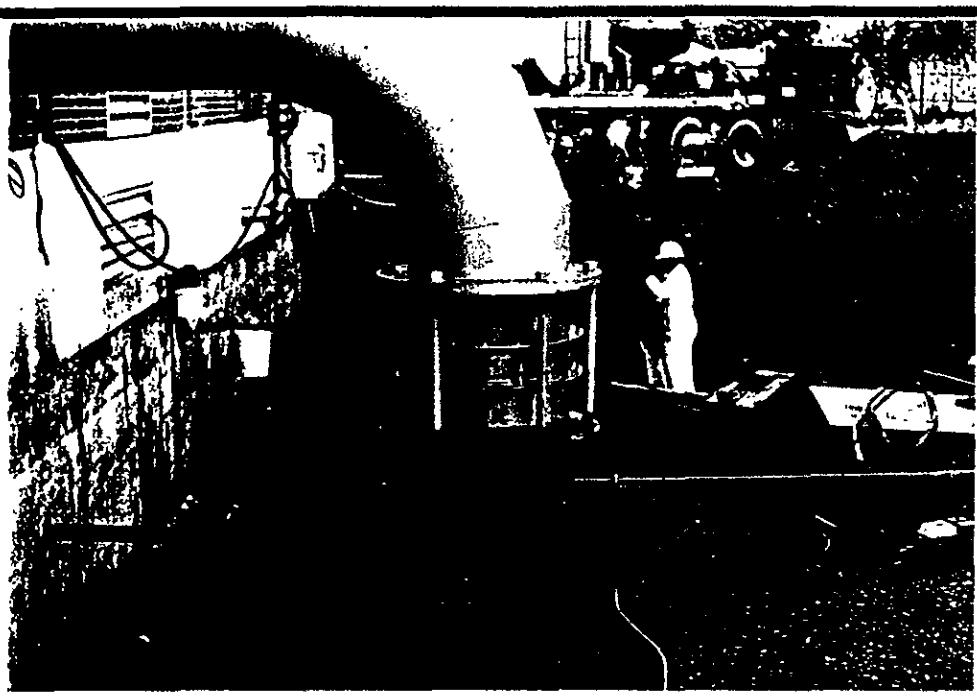
DATE: FEB 1992	FIGURE 1: SITE LOCATION MAP
DRWN BY: SLS	
APPRVD: TMB	SAN ANTONIO PUMP STA. 555 CALAVERAS ROAD SUNOL, CALIFORNIA

APPENDIX C

PHOTOGRAPHS OF EXCAVATION PROCEDURES



ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	**PHOTO PLATES OF EXCAVATION PROCEDURES** **SAN ANTONIO PUMP STATION** **5555 CALAVERAS ROAD** **SUNOL, CA**



ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment

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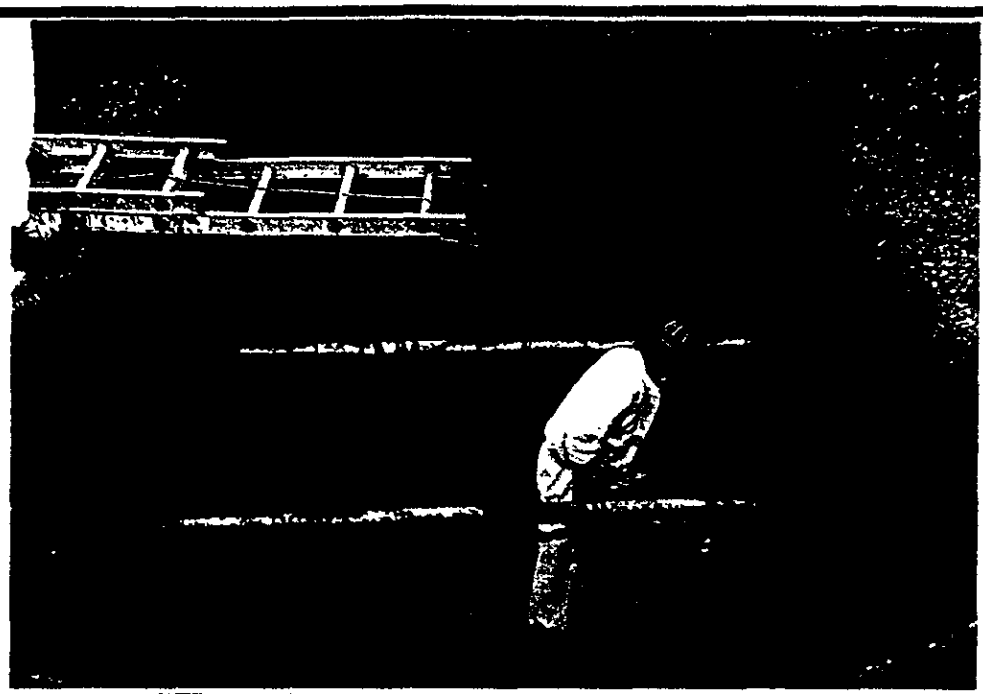
Suite C
Hayward, CA 94544

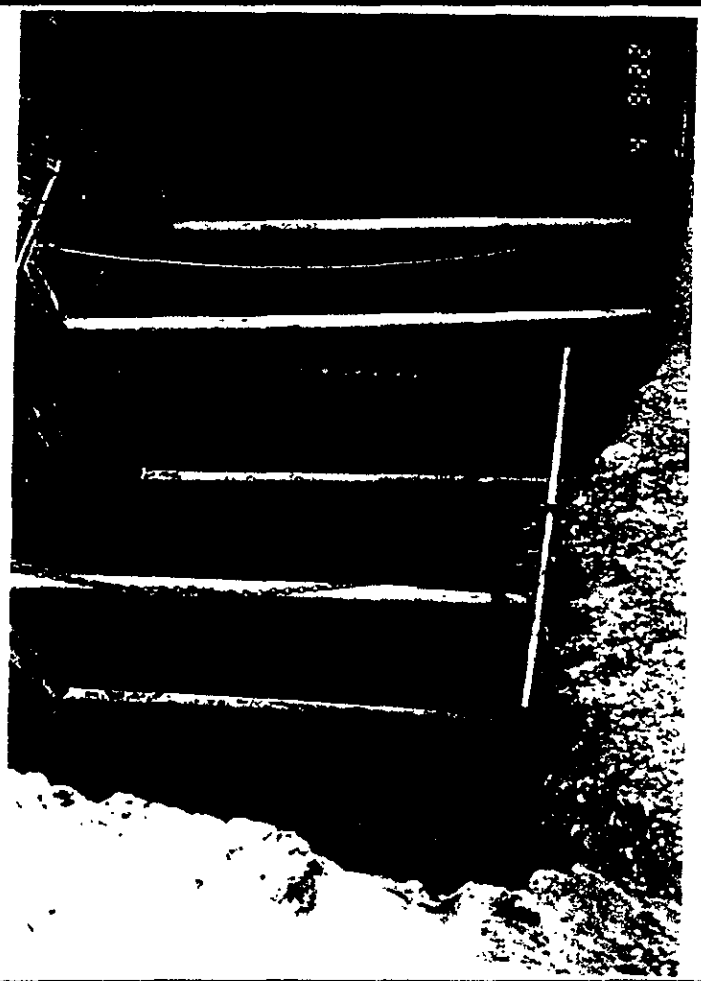
DATE: 11/25/92

PHOTO BY: TMB

PHOTO PLATES OF EXCAVATION PROCEDURES

SAN ANTONIO PUMP STATION
5555 CALAVERAS ROAD
SUNOL, CA





ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF EXCAVATION PROCEDURES SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA

ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF EXCAVATION PROCEDURES SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA

ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF EXCAVATION PROCEDURES SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA

ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF EXCAVATION PROCEDURES SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA

APPENDIX D
LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION FOR EXCAVATION PHASE SAMPLES

25 November 1992
EBS report

Appendix D Part I

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

004-189-02\011918

Environmental Bio-Systems
30028 Industrial Pkwy
Hayward, CA 94545
Attn: Tim Babcock
Project Manager

Date Sampled: 04-01-92
Date Received: 04-01-92
Date Reported: 04-01-92

Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
	Project No.: 004-189-02 San Antonio Pumping Station 5555 Calaveras Sunol, CA		
F042001	E1	5.0	28

QA/QC: Sample blank is none detected
Duplicate Deviation is 7.7%

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

004-189-02\011918

Environmental Bio-Systems
30028 Industrial Pkwy
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-01-92
Date Received: 04-01-92
Date Reported: 04-01-92

Sample Number	Sample Description	Detection Limit	SOIL Gravimetric Waste Oil as Petroleum Oil
		ppm	ppm
	San Antonio Pumping Station 5555 Calaveras Sunol, CA - Proj #004-189-02		
F042001	E1	10	40

QA/QC: Freon Blank is none detected.
Spike Recovery is 111%
Duplicate Deviation is 1.7%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503e
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Ramon Pump Station
5555 Calaveras Road
Sunol, CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TOG (5520 E/F)	ANALYSIS: TPH D	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
E1	Soil	1		✓	✓	on-site		

SAMPLING COMPLETED: DATE 4/1/92 TIME 1400
SAMPLING PERFORMED BY: Tim Balcom

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Tim Balcom	4/1/92	1600	Miriam Cueto	4/1/92	16:00

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

April 2, 1992 ChromaLab File # 0492021

Client: Environmental Bio-Systems, Inc.
Attn: Tim Babcock
Date Sampled: Apr. 01, 1992 Date Submitted: Apr. 01, 1992
Date of Analysis: Apr. 02, 1992

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E1-S
Method of Analysis: EPA 8240 Detection Limit: 5.0 µg/kg

COMPOUND NAME	µg/kg	Spike Recovery	
CHLOROMETHANE	N.D.	---	
VINYL CHLORIDE	N.D.	---	
BROMOMETHANE	N.D.	---	
CHLOROETHANE	N.D.	---	
TRICHLOROFLUOROMETHANE	N.D.	---	
1,1-DICHLOROETHENE	N.D.	98%	96%
METHYLENE CHLORIDE	N.D.	---	
1,2-DICHLOROETHENE (TOTAL)	N.D.	---	
1,1-DICHLOROETHANE	N.D.	---	
CHLOROFORM	N.D.	---	
1,1,1-TRICHLOROETHANE	N.D.	---	
CARBON TETRACHLORIDE	N.D.	---	
1,2-DICHLOROETHANE	N.D.	---	
BENZENE	N.D.	---	
TRICHLOROETHENE	N.D.	92%	95%
1,2-DICHLOROPROPANE	N.D.	---	
BROMODICHLOROMETHANE	N.D.	---	
2-CHLOROETHYLVINYLETHER	N.D.	---	
TRANS-1,3-DICHLOROPROPENE	N.D.	---	
TOLUENE	N.D.	---	
CIS-1,3-DICHLOROPROPENE	N.D.	---	
1,1,2-TRICHLOROETHANE	N.D.	---	
TETRACHLOROETHENE	N.D.	87%	92%
DIBROMOCHLOROMETHANE	N.D.	---	
CHLOROBENZENE	N.D.	---	
ETHYL BENZENE	N.D.	---	
BROMOFORM	N.D.	---	
1,1,2,2-TETRACHLOROETHANE	N.D.	90%	92%
1,3-DICHLOROBENZENE	N.D.	---	
1,4-DICHLOROBENZENE	N.D.	---	
1,2-DICHLOROBENZENE	N.D.	---	
TOTAL XYLENES	N.D.	---	
ACETONE	N.D.	---	
METHYL ETHYL KETONE	N.D.	---	
METHYL ISOBUTYL KETONE	N.D.	---	

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

April 2, 1992 ChromaLab File # 0492021

Client: Environmental Bio-Systems, Inc.
Attn: Tim Babcock
Date Sampled: Apr. 01, 1992 Date Submitted: Apr. 01, 1992
Date Extracted: Apr. 02, 1992 Date Analyzed: Apr. 02, 1992

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E1-S
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	95% 92%
2-CHLOROPHENOL	N.D.	0.05	-----
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	88% 85%
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	-----
NAPHTHALENE	N.D.	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	-----
2-METHYLNAPHTHALENE	N.D.	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	93% 89%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

(continued on next page)

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Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

ChromaLab File # 0492021

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E1-S
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	91% 93%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	N.D.	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	-----
PHENANTHRENE	N.D.	0.05	-----
ANTHRACENE	N.D.	0.05	-----
DI-N-BUTYL PHTHALATE	N.D.	0.05	-----
FLUORANTHENE	N.D.	0.05	-----
PYRENE	N.D.	0.05	-----
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	87% 84%
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Eric Tam
Lab Director

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Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

April 13, 1992 ChromaLab File # 0492021

ENVIRONMENTAL BIO-SYSTEMS, INC.
Attn: Tim Babcock
Date Sampled: Apr. 01, 1992 Date Submitted: Apr. 01, 1992
Date Extracted: Apr. 08, 1992 Date Analyzed: Apr. 09, 1992
Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: Pipe Water
Method of Analysis: 625 Matrix: water

COMPOUND NAME	Sample mg/L	MDL mg/L	Spike Recovery
PHENOL	N.D.	0.002	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.002	93% 95%
2-CHLOROPHENOL	N.D.	0.002	-----
1,3-DICHLOROBENZENE	N.D.	0.002	-----
1,4-DICHLOROBENZENE	N.D.	0.002	-----
BENZYL ALCOHOL	N.D.	0.004	-----
1,2-DICHLOROBENZENE	N.D.	0.002	-----
2-METHYLPHENOL	N.D.	0.002	94% 90%
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.002	-----
4-METHYLPHENOL	N.D.	0.002	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.002	-----
HEXACHLOROETHANE	N.D.	0.002	-----
NITROBENZENE	N.D.	0.002	-----
ISOPHORONE	N.D.	0.002	-----
2-NITROPHENOL	N.D.	0.002	-----
2,4-DIMETHYLPHENOL	N.D.	0.002	-----
BENZOIC ACID	N.D.	0.010	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.002	87% 85%
2,4-DICHLOROPHENOL	N.D.	0.002	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.002	-----
NAPHTHALENE	N.D.	0.002	-----
4-CHLOROANILINE	N.D.	0.004	-----
HEXACHLOROBUTADIENE	N.D.	0.002	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.004	-----
2-METHYLNAPHTHALENE	N.D.	0.002	98% 91%
HEXACHLOROCYCLOPENTADIENE	N.D.	0.002	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.002	- - - - -
2,4,5-TRICHLOROPHENOL	N.D.	0.002	-----
2-CHLORONAPHTHALENE	N.D.	0.002	-----
2-NITROANILINE	N.D.	0.010	-----
DIMETHYL PHTHALATE	N.D.	0.002	-----
ACENAPHTHYLENE	N.D.	0.002	-----
3-NITROANILINE	N.D.	0.010	-----
ACENAPHTHENE	N.D.	0.002	96% 90%
2,4-DINITROPHENOL	N.D.	0.010	-----
4-NITROPHENOL	N.D.	0.010	-----
DIBENZOFURAN	N.D.	0.002	-----

(continued on next page)

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510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

ChromaLab File # 0492021

Project Number: 004-189-02
Project Name: Power Engineering
Sample I.D.: Pipe Water
Method of Analysis: 625
Matrix: water

COMPOUND NAME	Sample mg/L	MDL mg/L	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.002	-----
2,6-DINITROTOLUENE	N.D.	0.002	95% 90%
DIETHYL PHTHALATE	N.D.	0.002	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.002	-----
FLUORENE	N.D.	0.002	-----
4-NITROANILINE	N.D.	0.010	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.010	-----
N-NITROSODIPHENYLAMINE	N.D.	0.002	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.002	-----
HEXACHLOROBENZENE	N.D.	0.002	-----
PENTACHLOROPHENOL	N.D.	0.010	83% 87%
PHENANTHRENE	N.D.	0.002	-----
ANTHRACENE	N.D.	0.002	-----
DI-N-BUTYL PHTHALATE	N.D.	0.002	-----
FLUORANTHENE	N.D.	0.002	-----
PYRENE	N.D.	0.002	-----
BUTYLBENZYLPHTHALATE	N.D.	0.002	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.004	-----
BENZO(A)ANTHRACENE	N.D.	0.002	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.002	-----
CHRYSENE	N.D.	0.002	96% 92%
DI-N-OCTYLPHTHALATE	N.D.	0.002	-----
BENZO(B)FLUORANTHENE	N.D.	0.002	-----
BENZO(K)FLUORANTHENE	N.D.	0.002	-----
BENZO(A)PYRENE	N.D.	0.002	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.002	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.002	-----
BENZO(G,H,I)PERYLENE	N.D.	0.002	-----

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
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Federal ID #68-0140157

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pump Station
5555 Calaveras
Sunol, CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

CHROMALAB FILE # 492021
ORDER # 5963

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: 8290	ANALYSIS: Hold	ANALYSIS: 8270 1/2 KRIGAL	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
EI-5	Soil	1		✓			overnight		
Pipe Water	Water	4			✓		—		

SAMPLING COMPLETED: DATE 4/1/92 TIME 1400
SAMPLING PERFORMED BY: Tim Babcock

		DATE	TIME		DATE	TIME
RELEASED BY		4/1/92	16:00	RECEIVED BY		
RELEASED BY		4-1-92		RECEIVED BY	4-1-92	16:01
RELEASED BY		DATE	TIME	RECEIVED BY	DATE	TIME
					4/1/92	1745

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204042
Date Received : 04/03/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor 4-7-92 Date

Chemist 4.7.92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204042
Date Received : 04/03/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204042- 1	E2	SOIL	04/02/92	8270
9204042- 2	E3	SOIL	04/02/92	8270
9204042- 3	E4	SOIL	04/03/92	8270
9204042- 4	E5	SOIL	04/03/92	8270

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E2
Matrix : SOIL
Date Sampled : 4/ 2/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 3/92
Instrument ID : F2

Anametrix ID : 9204042-01
Analyst : CF.
Supervisor : LM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E2
Matrix : SOIL
Date Sampled : 4/ 2/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 3/92
Instrument ID : F2

Anametrix ID : 9204042-01
Analyst : CF.
Supervisor : MM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	: 004-189-	Anametrix ID	: 9204042-02
Sample ID	: E3	Analyst	: CF
Matrix	: SOIL	Supervisor	: MH
Date Sampled	: 4/ 2/92		
Date Extracted	: 4/ 3/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 4/ 3/92	Dilution Factor	: 1.00
Instrument ID	: F2	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E3
Matrix : SOIL
Date Sampled : 4/ 2/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 3/92
Instrument ID : F2

Anametrix ID : 9204042-02
Analyst : CF.
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	430.	
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E4
Matrix : SOIL
Date Sampled : 4/ 3/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 6/92
Instrument ID : F2

Anametrix ID : 9204042-03
Analyst : CF
Supervisor : MH

Dilution Factor : 5.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	1700.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	1700.	ND	U
95-57-8	2-CHLOROPHENOL	1700.	ND	U
541-73-1	1,3-DICHLOROBENZENE	1700.	ND	U
106-46-7	1,4-DICHLOROBENZENE	1700.	ND	U
100-51-6	BENZYL ALCOHOL	1700.	ND	U
95-50-1	1,2-DICHLOROBENZENE	1700.	ND	U
95-48-7	2-METHYLPHENOL	1700.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1700.	ND	U
106-44-5	4-METHYLPHENOL	1700.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1700.	ND	U
67-72-1	HEXACHLOROETHANE	1700.	ND	U
98-95-3	NITROBENZENE	1700.	ND	U
78-59-1	ISOPHORONE	1700.	ND	U
88-75-5	2-NITROPHENOL	1700.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	1700.	ND	U
65-85-0	BENZOIC ACID	8300.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1700.	ND	U
120-83-2	2,4-DICHLOROPHENOL	1700.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	1700.	ND	U
91-20-3	NAPHTHALENE	1700.	1700.	
106-47-8	4-CHLOROANILINE	1700.	ND	U
87-68-3	HEXACHLOROBUTADIENE	1700.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	1700.	ND	U
91-57-6	2-METHYLNAPHTHALENE	1700.	15000.	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1700.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	1700.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	8300.	ND	U
91-58-7	2-CHLORONAPHTHALENE	1700.	ND	U
88-74-4	2-NITROANILINE	8300.	ND	U
131-11-3	DIMETHYLPHTHALATE	1700.	ND	U
208-96-8	ACENAPHTHYLENE	1700.	ND	U
606-20-2	2,6-DINITROTOLUENE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E4
Matrix : SOIL
Date Sampled : 4/ 3/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 6/92
Instrument ID : F2

Anametrix ID : 9204042-03
Analyst : CF
Supervisor : MJ

Dilution Factor : 5.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	8300.	ND	U
83-32-9	ACENAPHTHENE	1700.	2800.	
51-28-5	2,4-DINITROPHENOL	8300.	ND	U
100-02-7	4-NITROPHENOL	8300.	ND	U
132-64-9	DIBENZOFURAN	1700.	1100.	J
121-14-2	2,4-DINITROTOLUENE	1700.	ND	U
84-66-2	DIETHYLPHTHALATE	1700.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	1700.	ND	U
86-73-7	FLUORENE	1700.	2100.	
100-01-6	4-NITROANILINE	8300.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	8300.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	1700.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	1700.	ND	U
118-74-1	HEXACHLOROBENZENE	1700.	ND	U
87-86-5	PENTACHLOROPHENOL	8300.	ND	U
85-01-8	PHENANTHRENE	1700.	4600.	
120-12-7	ANTHRACENE	1700.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	1700.	ND	U
206-44-0	FLUORANTHENE	1700.	ND	U
129-00-0	PYRENE	1700.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	1700.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	3300.	ND	U
56-55-3	BENZO(A)ANTHRACENE	1700.	ND	U
218-01-9	CHRYSENE	1700.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1700.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	1700.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	1700.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	1700.	ND	U
50-32-8	BENZO(A)PYRENE	1700.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	1700.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	1700.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	1700.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	1700.	ND	U
4165-61-1	ANILINE	1700.	ND	U
103-33-3	AZOBENZENE	1700.	ND	U
92-87-5	BENZIDINE	8300.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E5
Matrix : SOIL
Date Sampled : 4/ 3/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 3/92
Instrument ID : F2

Anametrix ID : 9204042-04
Analyst : CF
Supervisor : MJ

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E5
Matrix : SOIL
Date Sampled : 4/ 3/92
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 3/92
Instrument ID : F2

Anametrix ID : 9204042-04
Analyst : CF
Supervisor : MH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	:	Anametrix ID	: 0403B002
Sample ID	: BLANK	Analyst	: CF
Matrix	: SOIL	Supervisor	: M
Date Sampled	: 0/ 0/ 0		
Date Extracted	: 4/ 3/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 4/ 3/92	Dilution Factor	: 1.00
Instrument ID	: F2	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/ 3/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 3/92
Instrument ID : F2

Anametrix ID : 0403B002
Analyst : CF
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9204042
Analyst : CF
Supervisor : UM

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	72	60	84	84	95	86	0
2	E2	68	57	77	78	93	85	0
3	E3	68	56	77	77	88	88	0
4	E5	65	55	73	72	91	79	0
5	E4	68	54	82	84	74	69	0
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
1028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204042
Date Received : 04/03/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204042- 2	E3	SOIL	04/02/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204042
Date Received : 04/03/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as diesel for sample E3 is primarily due to the presence of a combination of diesel and a lighter petroleum product, possibly aged gasoline, kerosene or jet fuel.

Cheryl Brenner 4/16/92
Department Supervisor Date

Lucia Shor 4/16/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204042
Matrix : SOIL
Date Sampled : 04/02/92
Date Extracted: 04/10/92

Project Number : 004-189-02
Date Released : 04/16/92
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204042-02	E3	04/15/92	200	2600
DSBL041092	METHOD BLANK	04/15/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 4/16/92 Date

Supervisor 4/16/92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204042
Date Received : 04/03/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204042- 2	E3	SOIL	04/02/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204042
Date Received : 04/03/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

Department Supervisor — Date 4/13/92

Chemist — Date 04-13-92

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project #	: 004-189-02	Anametrix I.D.	: 9204042
Matrix	: SOIL	Analyst	: AHP
Date sampled	: 04/02/92	Supervisor	: CeR
Date ext. TOG	: 04/10/92	Date released	: 04/13/92
Date anl. TOG	: 04/10/92		

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204042-02	E3	30	1,700
GSBL041092	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520E&F.

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

9204042 (10/10)

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pump Sta.
5555 Calaveras
Sunol, CA

INSTRUCTIONS:
~~X~~ Samples E2 & E3 collected 4/2/92

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	~~X~~E2	Soil			✓	~~2 week~~ ASAP		
2	~~X~~E3	↓			✓	~~ASAP~~ 2 week		
3	E4				✓	ASAP		
4	E5				✓	ASAP		

SAMPLING COMPLETED	DATE 4/3/92	TIME 12:00	SAMPLING PERFORMED BY Tim Babcock				
RELEASED BY	DATE 4/3/92	TIME 12:00	RECEIVED BY		DATE 4/03/92	TIME 1200	
RELEASED BY	DATE	TIME	RECEIVED BY		DATE	TIME	
RELEASED BY	DATE	TIME	RECEIVED BY		DATE	TIME	
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #				

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

April 7, 1992 ChromaLab File # 0492056 A

Client: Environmental Bio-Systems, Inc.
Attn: Tim Babcock
Date Sampled: Apr. 06, 1992 Date Submitted: Apr. 06, 1992
Date Extracted: Apr. 06, 1992 Date Analyzed: Apr. 06, 1992

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E-6
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	93% 89%
2-CHLOROPHENOL	N.D.	0.05	-----
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	91% 90%
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	-----
NAPHTHALENE	N.D.	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	-----
2-METHYLNAPHTHALENE	N.D.	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	0.15	0.05	96% 92%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

(continued on next page)

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

ChromaLab File # 0492056 A

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E-6
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	95% 89%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	0.17	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	-----
PHENANTHRENE	0.09	0.05	-----
ANTHRACENE	0.09	0.05	-----
DI-N-BUTYL PHTHALATE	0.07	0.05	-----
FLUORANTHENE	0.05	0.05	-----
PYRENE	0.06	0.05	-----
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	97% 92%
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

5 DAYS TURNAROUND

Analytical Laboratory (E694)

April 7, 1992 ChromaLab File # 0492056 B

Client: Environmental Bio-Systems, Inc.
Attn: Tim Babcock
Date Sampled: Apr. 06, 1992 Date Submitted: Apr. 06, 1992
Date Extracted: Apr. 06, 1992 Date Analyzed: Apr. 06, 1992

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E-7
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	93% 89%
2-CHLOROPHENOL	N.D.	0.05	-----
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	91% 90%
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	-----
NAPHTHALENE	N.D.	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	-----
2-METHYLNAPHTHALENE	N.D.	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	96% 92%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

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Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

ChromaLab File # 0492056 B

Project Number: 004-189-02 Project Name: Power Engineering
Sample I.D.: E-7
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	95% 89%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	N.D.	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	-----
PHENANTHRENE	N.D.	0.05	-----
ANTHRACENE	N.D.	0.05	-----
DI-N-BUTYL PHTHALATE	N.D.	0.05	-----
FLUORANTHENE	N.D.	0.05	-----
PYRENE	N.D.	0.05	-----
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	97% 92%
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

April 22, 1992 ChromaLab File No.: 0492056

ENVIRONMENTAL BIO-SYSTEMS, INC.

Attn: Tim Babcock

RE: One rush soil sample for Gasoline, Diesel and Oil & Grease analyses

Project Name: POWER ENGINEERING
Project Number: 004-189-102
Date Sampled: April 6, 1992 Date Submitted: April 6, 1992
Date Extracted: April 20, 1992 Date Analyzed: April 20, 1992

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Oil & Grease (mg/Kg)
E-7	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.
SPIKED RECOVERY	99%	104%	----
DETECTION LIMIT	1.0	1.0	10
METHOD OF ANALYSIS	5030/8015	3550/8015	5520 E/F

ChromaLab, Inc.

Ronald Halsne
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

CHROMALAB FILE # 4920
ORDER # 6000

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

PROJECT NUMBER: 0041-189-02
CLIENT: POWER ENGINEERING
SITE: SAN ANTONIO PUMP STA
5555 CALAVARAS
SUNOL, CA

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
E-6	SOIL			✓	~~ASAP~~ 24		
E-7	↓			✓	24		
E-8				✓	~~24~~ Hold		
E-9	↓			✓	24		

	DATE	TIME		DATE	TIME
SAMPLING COMPLETED	4-6-92	17:00	SAMPLING PERFORMED BY	DAVID OTERO	
RELEASED BY			RECEIVED BY		
RELEASED BY	4-6-92	14:30	RECEIVED BY	4/6/92	2:20 PM
RELEASED BY			RECEIVED BY		
RELEASED BY			RECEIVED BY		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204107
Date Received : 04/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204107- 4	E-9	SOIL	04/06/92	8270
9204107- 6	E-11	SOIL	04/07/92	8270
9204107- 7	E-12	SOIL	04/07/92	8270
9204107- 8	E-13	SOIL	04/07/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204107
Date Received : 04/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- Internal standard areas are outside the established limits in the EPA Method 8270 analysis of samples E-9, E-11, E-12, and E-13.
- Bis (2-ethylhexyl) phthalate exceeded the calibration range in the EPA Method 8270 analysis of sample E-9.

Department Supervisor 4.10.92 Date

Chemist 4-10-92 Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-9
Matrix : SOIL
Date Sampled : 4/ 6/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-04
Analyst : mcT
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-9
Matrix : SOIL
Date Sampled : 4/ 6/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-04
Analyst : MT
Supervisor : M

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	5900.	E
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-11
Matrix : SOIL
Date Sampled : 4/ 7/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-06
Analyst : MGT
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-11
Matrix : SOIL
Date Sampled : 4/ 7/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-06
Analyst : MT
Supervisor : MJ

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-12
Matrix : SOIL
Date Sampled : 4/ 7/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-07
Analyst : MC
Supervisor : M

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-12
Matrix : SOIL
Date Sampled : 4/ 7/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-07
Analyst : MCT
Supervisor : UH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	: 004-189-	Anametrix ID	: 9204107-08
Sample ID	: E-13	Analyst	: MCT
Matrix	: SOIL	Supervisor	: [illegible]
Date Sampled	: 4/ 7/92		
Date Extracted	: 4/ 8/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 4/ 8/92	Dilution Factor	: 1.00
Instrument ID	: F3	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-13
Matrix : SOIL
Date Sampled : 4/ 7/92
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-08
Analyst : MCT
Supervisor : MC

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 0408B001
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/ 8/92
Amount Extracted : 30.0 g
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 0408B001
Analyst : MCT
Supervisor : M

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9204107
Analyst : MCT
Supervisor : MJ

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	87	69	87	87	90	112	0
2	E-9	74	60	76	78	83	101	0
3	E-11	77	63	80	77	85	103	0
4	E-12	70	56	72	72	86	98	0
5	E-13	76	61	77	72	78	88	0
6	E-12 MS	65	52	68	68	76	90	0
7	E-12 MSD	80	64	83	77	78	96	0
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-12
Matrix : SOIL
Date Sampled : 4/ 7/92
Date Extracted : 4/ 8/92
Date Analyzed : 4/ 8/92
Instrument ID : F3

Anametrix ID : 9204107-07
Analyst : MCT
Supervisor : [illegible]

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	%REC LIMITS
PHENOL	3333.	0.	2356.	71	14-118
2-CHLOROPHENOL	3333.	0.	2302.	69	31-113
1,4-DICHLOROBENZENE	1667.	0.	1070.	64	32-104
N-NITROSO-DI-N-PROP.(1)	1667.	0.	1388.	83	27-120
1,2,4-TRICHLOROBENZENE	1667.	0.	1122.	67	33-114
4-CHLORO-3-METHYLPHENOL	3333.	0.	2610.	78	32-125
ACENAPHTHENE	1667.	0.	1258.	75	34-115
4-NITROPHENOL	3333.	0.	2729.	82	32-129
2,4-DINITROTOLUENE	1667.	0.	1266.	76	20-126
PENTACHLOROPHENOL	3333.	0.	2805.	84	29-150
PYRENE	1667.	0.	1741.	104	28-143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
PHENOL	3333.	2780.	83	16	35	14-118
2-CHLOROPHENOL	3333.	2859.	86	22	50	31-113
1,4-DICHLOROBENZENE	1667.	1353.	81	23	27	32-104
N-NITROSO-DI-N-PROP.(1)	1667.	1708.	103	21	38	27-120
1,2,4-TRICHLOROBENZENE	1667.	1381.	83	21	23	33-114
4-CHLORO-3-METHYLPHENOL	3333.	2943.	88	12	33	32-125
ACENAPHTHENE	1667.	1368.	82	8	19	34-115
4-NITROPHENOL	3333.	2674.	80	2	50	32-129
2,4-DINITROTOLUENE	1667.	1304.	78	3	47	20-126
PENTACHLOROPHENOL	3333.	2915.	87	4	47	29-150
PYRENE	1667.	1836.	110	5	36	28-143

* Value is outside of Anametrix QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pumping Station
5555 Calaveras Rd
Sunol, California

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:
* all the E- samples on 24hrs to anya Tim 4592

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TOC 5520 C+F	ANALYSIS: TPH 8015 M	ANALYSIS: 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
6	E-11	Soil	1				X	24 ~~normal~~		
7	E-12	"	1				X	24 "		
8	E-13	"	1				X	24 "		

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4-7-92	1100	James A Jacobs

RELEASED BY: James A Jacobs	DATE: 4-7-92	TIME: 1100	RECEIVED BY:	DATE: 4-7-92	TIME: 11:00
RELEASED BY:	DATE: 4-7-92	TIME: 18:35	RECEIVED BY:	DATE: 4/7/92	TIME: 6:34 PM
RELEASED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: POWER ENGINEERING
SITE: SAN ANTONIO PUMP STATION
5555 CALAVERAS ~~BLVD~~ S.O. RD.
SUNOL, CA.

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:
(48hrs on #2, #5 for TOG & TPHd all the E-samples 24hrs. KO as per Tim 4892
#1, #3 on HOLD

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TOG 5520-E&C	ANALYSIS: TPHd - 8015 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	SP2 D	SOIL			X	X	~~24 HR~~		Released by
2	SP2 E	↓			X	X	~~"~~		↓
3	SP2 F	↓			X	X	~~"~~		↓
4	E-9	↓				X	24 HR		
5	SP3-B	↓			X	X	~~24 HR~~		Released by An. 4/08/92 11:12

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4-6-92	15:30	DAVID OTERO

RELEASED BY	DATE 4-7-92	TIME 18:34	RECEIVED BY	DATE 4/7/92	TIME 6:34
RELEASED BY	DATE 4-7-92	TIME 1112	RECEIVED BY	DATE 4/8/92	TIME 11:15
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

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

MR. TIM BABCOCK
NVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204226
Date Received : 04/15/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204226- 1	E-9	SOIL	04/06/92	TPHg/BTEX
9204226- 2	E-13	SOIL	04/07/92	TPHg/BTEX

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204226
Date Received : 04/15/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balsmeier 4/20/92
Department Supervisor Date

Peggie Davison 4/20/92
Chemist Date

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

Anametrix W.O.: 9204226
Matrix : SOIL
Date Sampled : 04/06/92

Project Number : 004-189-02
Date Released : 04/20/92

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# E-9 -01	Sample I.D.# E-13 -02	Sample I.D.# 12B0416A BLANK
Benzene	0.005	ND	ND	ND
Toluene	0.005	ND	ND	ND
Ethylbenzene	0.005	ND	ND	ND
Total Xylenes	0.005	ND	ND	ND
TPH as Gasoline	0.5	ND	ND	ND
% Surrogate Recovery		78%	84%	94%
Instrument I.D.		HP12	HP12	HP12
Date Analyzed		04/16/92	04/16/92	04/16/92
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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Reggie Davison 4/20/92
Analyst Date

Cheryl Balmer 4/20/92
Supervisor Date

#2 182(1204220 9204107 4/27 8:30

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

rcvd 4/15/92 due 4/17/92

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ______ OF THE STATE WATER RESOURCES CONTROL BOARD.

PROJECT NUMBER: D04-189-02

CLIENT: POWER ENGINEERING

SITE: SAN ANTONIO PUMP STATION
5555 CALAVERAS ~~ROAD~~ S.O. RD
SUNOL, CA.

INSTRUCTIONS:
48hrs on #2, #5 for TOG & TPHd all the E-samples 24hrs. ko as per Tim 4 8 92
#1, #3 on HOLD

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	TOG 5520-E&F	TPHd-8015	8270	TPHg/BTEX					TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1 SP2 D	SOIL			X	X							~~2 week~~		Released by Ananti
2 ~~SP2 E~~	↓			X	X							~~#~~		↓
3 SP2 F				X	X							~~#~~		↓
4 E-9	↓					X	+					24 hr		
5 ~~SP2 ?~~	↓			X	X							~~2 week~~		Released by Anuradha 4/08/92 11:12

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4-6-92	15:30	DAVID OTERO

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	4-7-92	18:34	[signature]	4/7/92	6:34
[signature]	4-7-92	11/12	[signature]	4/8/92	11:15

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204149
Date Received : 04/09/92
Project ID : 186-004-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204149- 1	E-14	SOIL	04/09/92	8270
9204149- 2	E-15	SOIL	04/09/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204149
Date Received : 04/09/92
Project ID : 186-004-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor — Date: 4-14-92

Chemist — Date: 4-14-92

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 186-004-
Sample ID : E-14
Matrix : SOIL
Date Sampled : 4/ 9/92
Date Extracted : 4/10/92
Amount Extracted : 30.0 g
Date Analyzed : 4/10/92
Instrument ID : F2

Anametrix ID : 9204149-0
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	: 186-004-	Anametrix ID	: 9204149-01
Sample ID	: E-14	Analyst	: MCT
Matrix	: SOIL	Supervisor	: [illegible]
Date Sampled	: 4/ 9/92		
Date Extracted	: 4/10/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 4/10/92	Dilution Factor	: 1.00
Instrument ID	: F2	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	: 186-004-	Anametrix ID	: 9204149-02
Sample ID	: E-15	Analyst	: MCT
Matrix	: SOIL	Supervisor	: LM
Date Sampled	: 4/ 9/92		
Date Extracted	: 4/10/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 4/10/92	Dilution Factor	: 1.00
Instrument ID	: F2	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 186-004-
Sample ID : E-15
Matrix : SOIL
Date Sampled : 4/ 9/92
Date Extracted : 4/10/92
Amount Extracted : 30.0 g
Date Analyzed : 4/10/92
Instrument ID : F2

Anametrix ID : 9204149-02
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	350.	
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/10/92
Amount Extracted : 30.0 g
Date Analyzed : 4/10/92
Instrument ID : F2

Anametrix ID : 0410B001
Analyst : MCT
Supervisor : LM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/10/92
Amount Extracted : 30.0 g
Date Analyzed : 4/10/92
Instrument ID : F2

Anametrix ID : 0410B001
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 186-004-
Matrix : SOLID

Anametrix ID : 9204149
Analyst : MCT
Supervisor : UH

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	71	60	87	88	97	88	0
2	E-14	61	52	72	81	83	76	0
3	E-15	62	53	75	80	87	80	0
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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17								
18								
19								
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21								
22								
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24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

9204149 (10/55) 1760 AC.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER 186-004-02

CLIENT EBS - Sunol

SITE San Antonio Pumping Station
5555 Calaveras Rd
Sunol California

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	E-14	soil	1		✓	48hr		
2	E-15	soil	1		✓	48hr	Headspace	

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4/9/92	1450	

RELEASED BY	DATE 4-9-92	TIME 1450	RECEIVED BY	DATE 4/9/92	TIME 1450
RELEASED BY	DATE 4/9/92	TIME 1648	RECEIVED BY	DATE 4/09/92	TIME 1648
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204200
Date Received : 04/14/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204200- 1	E16	SOIL	04/13/92	TPHd
9204200- 2	E17	SOIL	04/13/92	TPHd
9204200- 3	E18	SOIL	04/13/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204200
Date Received : 04/14/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Bateman 4/15/92
Department Supervisor Date

Reggie Davison 4/15/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204200
Matrix : SOIL
Date Sampled : 04/13/92
Date Extracted: 04/14/92

Project Number : 044-189-02
Date Released : 04/15/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204200-01	E16	04/14/92	10	ND
9204200-02	E17	04/14/92	10	ND
9204200-03	E18	04/14/92	10	12
DSBL041492	METHOD BLANK	04/14/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Reggie Davison 4/15/92
Analyst Date

Cheryl Balmer 4/15/92
Supervisor Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204200
Date Received : 04/14/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204200- 1	E16	SOIL	04/13/92	5520EF
9204200- 2	E17	SOIL	04/13/92	5520EF
9204200- 3	E18	SOIL	04/13/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204200
Date Received : 04/14/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 4/15/92 Date

Chemist 04-15-92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project #	: 004-189-02	Anametrix I.D.	: 9204200
Matrix	: SOIL	Analyst	: APP
Date sampled	: 04/13/92	Supervisor	: [illegible]
Date ext. TOG	: 04/14/92	Date released	: 04/15/92
Date anl. TOG	: 04/14/92		

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204200-01	E16	30	57
9204200-02	E17	30	40
9204200-03	E18	30	130
GSBL041492	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520E&F.

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

9224200 (10/5) C.L. 9:45-

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pump Station
5555 Calaveras
Sunol, CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:
will call ~~me~~ to arrange for 8270's & TPH (gas)'s

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	8270	T&C (5520 E&F)	TPH (diesel)	TPH (Gas) & BTEX					TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1) E16	soil	1			✓	✓	~~✓~~					24hr	OK	
2) E17	↓	1			✓	✓	~~✓~~					24hr	↓	
3) E18	↓	1			✓	✓	~~✓~~					24hr	↓	

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4/13/92	13:00	Tim Babcock

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	4/14/92	9:20	Calvin Robinson	4-14-92	9:20
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
				ALL SAMPLES COLD PROPER CONTAINERS NO HEADSPACE.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
0028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204253
Date Received : 04/16/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204253- 2	E20	SOIL	04/16/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204253
Date Received : 04/16/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for this sample.

Department Supervisor — Date: 4/30/92

Chemist — Date: 4/21/92

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204253
Matrix : SOIL
Date Sampled : 04/16/92
Date Extracted: 04/17/92

Project Number : 004-189-02
Date Released : 04/20/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204253-02	E20	04/20/92	10	ND
DSBL041792	METHOD BLANK	04/20/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 4/21/92 Date

Supervisor 4/20/92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204253
Date Received : 04/16/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204253- 2	E20	SOIL	04/16/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204253
Date Received : 04/16/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

Department Supervisor 4/20/92 Date

Chemist 04-20-92 Dat

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 04/16/92
Date ext. TOG : 04/17/92
Date anl. TOG : 04/17/92

Anametrix I.D. : 9204253
Analyst : ARR
Supervisor : [illegible]
Date released : 04/20/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204253-02	E20	30	ND
GSBL041792	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520E&F.

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

9204253 #1010

1925 FB

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 1104-BG-02
CLIENT: POLIER ENGINEERING
SITE: 5555 CALAVERAS RD
SUNOL, CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TVG (5520 EF)	ANALYSIS: TPH (diesel)	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	E19	S	1		✓	✓	Hold		
2	E20	S	1		✓	✓	24 hr		
3	E21						Hold		
							Samples Received cold, no headspace		

	DATE	TIME			DATE	TIME
SAMPLING COMPLETED	4-11-92	14:37	SAMPLING PERFORMED BY	DAVID OTERO		
RELEASED BY	4-11-92	19:20	RECEIVED BY	Fedex Bucket	4-16-92	19:20
RELEASED BY			RECEIVED BY			
RELEASED BY			RECEIVED BY			
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #			

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

PG/3274

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204369- 1	E20	SOIL	04/16/92	8270
9204369- 2	E21	SOIL	04/16/92	8270
9204369- 3	E22	SOIL	04/20/92	8270
9204369- 4	E23	SOIL	04/20/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor 5-7-92 Date

Chemist 5-7-92 Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E20
Matrix : SOIL
Date Sampled : 4/16/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-0
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E20
Matrix : SOIL
Date Sampled : 4/16/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-0
Analyst : MCT
Supervisor : WM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E21
Matrix : SOIL
Date Sampled : 4/16/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-02
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E21
Matrix : SOIL
Date Sampled : 4/16/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-0
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E22
Matrix : SOIL
Date Sampled : 4/20/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-0
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E22
Matrix : SOIL
Date Sampled : 4/20/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-03
Analyst : MCT
Supervisor : CM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E23
Matrix : SOIL
Date Sampled : 4/20/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-04
Analyst : MLT
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E23
Matrix : SOIL
Date Sampled : 4/20/92
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 9204369-(
Analyst : MG
Supervisor : M

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 0427B002
Analyst : MG
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 4/27/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 1/92
Instrument ID : F3

Anametrix ID : 0427B002
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9204369
Analyst : MC
Supervisor : M

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	73	71	105	75	65	77	0
2	E20	64	61	88	65	60	74	0
3	E21	70	68	95	68	61	76	0
4	E22	69	66	98	70	63	76	0
5	E23	66	65	92	68	62	75	0
6	E21MS	64	61	85	62	62	75	0
7	E21MSD	74	68	92	68	81	88	0
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E21
Matrix : SOIL
Date Sampled : 4/16/92
Date Extracted : 4/27/92
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204369-02
Analyst : MC
Supervisor : MH

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	%REC LIMITS
PHENOL	3333.	0.	2430.	73	14-118
2-CHLOROPHENOL	3333.	0.	2530.	76	31-113
1,4-DICHLOROBENZENE	1667.	0.	1231.	74	32-104
N-NITROSO-DI-N-PROP.(1)	1667.	0.	1201.	72	27-120
1,2,4-TRICHLOROBENZENE	1667.	0.	1553.	93	33-114
4-CHLORO-3-METHYLPHENOL	3333.	0.	3116.	93	32-125
ACENAPHTHENE	1667.	0.	1009.	61	34-115
4-NITROPHENOL	3333.	0.	2359.	71	32-129
2,4-DINITROTOLUENE	1667.	0.	924.	55	20-126
PENTACHLOROPHENOL	3333.	0.	2311.	69	29-150
PYRENE	1667.	0.	1169.	70	28-143

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
PHENOL	3333.	2778.	83	13	35	14-118
2-CHLOROPHENOL	3333.	2727.	82	8	50	31-113
1,4-DICHLOROBENZENE	1667.	1299.	78	5	27	32-104
N-NITROSO-DI-N-PROP.(1)	1667.	1371.	82	13	38	27-120
1,2,4-TRICHLOROBENZENE	1667.	1555.	93	0	23	33-114
4-CHLORO-3-METHYLPHENOL	3333.	3023.	91	3	33	32-125
ACENAPHTHENE	1667.	1033.	62	2	19	34-115
4-NITROPHENOL	3333.	2328.	70	1	50	32-129
2,4-DINITROTOLUENE	1667.	933.	56	* 1	47	20-126
PENTACHLOROPHENOL	3333.	2533.	76	9	47	29-150
PYRENE	1667.	1169.	70	0	36	28-143

* Value is outside of Anametrix QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
10028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204369- 2	E21	SOIL	04/16/92	TPHd
9204369- 1	E20	SOIL	04/16/92	TPHg/BTEX
9204369- 2	E21	SOIL	04/16/92	TPHg/BTEX
9204369- 3	E22	SOIL	04/20/92	TPHg/BTEX
9204369- 4	E23	SOIL	04/20/92	TPHg/BTEX

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 044-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmagia 5/10/92
Department Supervisor Date

Steve Soma 5/6/92
Chemist Date

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

Anametrix W.O.: 9204369
Matrix : SOIL
Date Sampled : 04/16 & 20/92

Project Number : 004-189-02
Date Released : 05/06/92

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# E20 -01	Sample I.D.# E21 -02	Sample I.D.# E22 -03	Sample I.D.# E23 -04	Sample I.D.# 21B0428A BLANK
Benzene	0.005	ND	ND	ND	ND	ND
Toluene	0.005	ND	ND	ND	ND	ND
Ethylbenzene	0.005	ND	ND	ND	ND	ND
Total Xylenes	0.005	ND	ND	ND	ND	ND
TPH as Gasoline	0.5	ND	ND	ND	ND	ND
% Surrogate Recovery		103%	105%	62%	85%	103%
Instrument I.D.		HP21	HP21	HP21	HP21	HP21
Date Analyzed		04/28/92	04/28/92	04/28/92	04/28/92	04/28/92
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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Linda Shor 5/8/92
Analyst Date

Cheryl Bulmer 5/8/92
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204369
Matrix : SOIL
Date Sampled : 04/16/92
Date Extracted: 04/28/92

Project Number : 004-189-02
Date Released : 05/06/92
Instrument I.D.: HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204369-02	E21	04/28/92	10	ND
DSBL042892	METHOD BLANK	04/28/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 5/8/92 Date

Supervisor 5/8/92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
3028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204369- 2	E21	SOIL	04/16/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
0028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204369- 2	E21	SOIL	04/16/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204369
Date Received : 04/24/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

Department Supervisor 5.11.92 Date

Chemist 05.11.92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 04/16/92
Date ext. TOG : 04/28/92
Date anl. TOG : 04/28/92

Anametrix I.D. : 9204369
Analyst : AFF
Supervisor : CEB
Date released : 05/11/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204369-02	E21	30	37
GSBL042892	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

9204253 #1 (2) 9204169 (18/20)
1038 FB 4/27/92 AC

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ______ OF THE STATE WATER RESOURCES CONTROL BOARD.

PROJECT NUMBER: 004-179-02
CLIENT: POWER ENGINEERING
SITE: 5555 CALAVERAS RD.
SUNOL, CA.

INSTRUCTIONS:
E20 TPHg / BTEX, 8270
E21 TPHg / BTEX, TPHd, TOG & 8270 requested. LD / 4-24-92

ANALYSIS: TOG (5520 EF); TPH (diesel)

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	TOG (5520 EF)	TPH (diesel)							TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#	
1	E19	S	1										Hold			
2	E20	S	1		✓	✓							24 hr			(1)
3	E21												Hold			(2)
													samples received cold w/ headspace			

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4-11-92	11:57	DAVID OTERO

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	4-11-92	19:20	[signature]	4-11-92	19:20

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
2028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204295
Date Received : 04/20/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204295- 1	E22	SOIL	04/20/92	TPHd
9204295- 2	E23	SOIL	04/20/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204295
Date Received : 04/20/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Department Supervisor — Date 4/23/92

Chemist — Date 4/23/92

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204295
Matrix : SOIL
Date Sampled : 04/20/92
Date Extracted: 04/21/92

Project Number : 004-189-02
Date Released : 04/23/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204295-01	E22	04/21/92	10	ND
9204295-02	E23	04/21/92	10	ND
DSBL042192	METHOD BLANK	04/21/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 4/23/92 Date

Supervisor 4/23/92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204295
Date Received : 04/20/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204295- 1	E22	SOIL	04/20/92	5520EF
9204295- 2	E23	SOIL	04/20/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204295
Date Received : 04/20/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 4/24/92 Date

Chemist 04-21-92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 04/20/92
Date ext. TOG : 04/21/92
Date anl. TOG : 04/21/92

Anametrix I.D. : 9204295
Analyst : APP
Supervisor : CeB
Date released : 04/21/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204295-01	E22	30	ND
9204295-02	E23	30	30
GSBL042192	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520E&F.

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

9204295 (10/17) 1612 AC.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pump Sta.
5555 Calaveras
Sunol, CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH (diesel)	ANALYSIS: TOG (5520 E/F)	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
(1)	E22	Soil	1		✓	✓	24 hr.		
(2)	E23	↓	↓		✓	✓	↓		

SAMPLING COMPLETED: DATE 4/20/92 TIME 15:25 SAMPLING PERFORMED BY David Otero

	DATE	TIME		DATE	TIME
RELEASED BY			RECEIVED BY		
RELEASED BY	4-20-92	16:05	RECEIVED BY	4-20-92	1605
RELEASED BY			RECEIVED BY		
RELEASED BY			RECEIVED BY		

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204356
Date Received : 04/23/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204356- 2	E25	SOIL	04/23/92	TPHd
9204356- 3	E26	SOIL	04/23/92	TPHd
9204356- 4	E27	SOIL	04/23/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204356
Date Received : 04/23/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Bachman 4/27/92
Department Supervisor Date

Bruce Shaw 4/27/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204356
Matrix : SOIL
Date Sampled : 04/23/92
Date Extracted: 04/24/92

Project Number : 004-189-02
Date Released : 04/27/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204356-02	E25	04/24/92	10	ND
9204356-03	E26	04/24/92	10	ND
9204356-04	E27	04/24/92	10	ND
DSBL042492	METHOD BLANK	04/24/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Lucia Shea 4/27/92
Analyst Date

Cheryl Balmer 4/27/92
Supervisor Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204356
Date Received : 04/23/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204356- 2	E25	SOIL	04/23/92	5520EF
9204356- 3	E26	SOIL	04/23/92	5520EF
9204356- 4	E27	SOIL	04/23/92	5520EF

APPENDIX D

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION FOR EXCAVATION PHASE SAMPLES

25 November 1992
EBS report

Appendix D Part II

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204356
Date Received : 04/23/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 4/24/92 Date

Chemist 04-24-92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 04/23/92
Date ext. TOG : 04/24/92
Date anl. TOG : 04/24/92

Anametrix I.D. : 9204356
Analyst : APP
Supervisor : CEB
Date released : 04/24/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204356-02	E25	30	57
9204356-03	E26	30	43
9204356-04	E27	30	80
GSBL042492	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

18-05 FB

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

PROJECT NUMBER: 004-189-02
CLIENT: Power Egineering
SITE: San Antonio Pump Station
5555 Calaveras
Sunol, CA

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH (Diesel)	ANALYSIS: TOG/5520 IR-F	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	E24	Soil	1				Hold		
2	E25	↓	↓		✓	✓	24 hr		sample
3	E26	↓	↓		✓	✓	↓		Revised
4	E27	↓	↓		✓	✓	↓		call.

	DATE	TIME			DATE	TIME
SAMPLING COMPLETED	4/23/92	15:30	SAMPLING PERFORMED BY: Tim Babcock			
RELEASED BY: [signature]	4/23/92	17:55	RECEIVED BY: [signature]		4/23/92	17:55
RELEASED BY:			RECEIVED BY:			
RELEASED BY			RECEIVED BY			
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #			

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

PG/3274

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204435
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204435- 1	E25	SOIL	04/23/92	8270
9204435- 2	E26	SOIL	04/23/92	8270
9204435- 3	E27	SOIL	04/23/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204435
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor — Date: 5-5-92

Chemist — Date: 5.5.92

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E25
Matrix : SOIL
Date Sampled : 4/23/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204435-01
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E25
Matrix : SOIL
Date Sampled : 4/23/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204435-01
Analyst : MCT
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	: 004-189-	Anametrix ID	: 9204435-0
Sample ID	: E26	Analyst	: MA
Matrix	: SOIL	Supervisor	:
Date Sampled	: 4/23/92		
Date Extracted	: 5/ 1/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 5/ 4/92	Dilution Factor	: 1.00
Instrument ID	: F3	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E26
Matrix : SOIL
Date Sampled : 4/23/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204435-0
Analyst : MC
Supervisor : MH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E27
Matrix : SOIL
Date Sampled : 4/23/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204435-03
Analyst : MJ
Supervisor : CM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E27
Matrix : SOIL
Date Sampled : 4/23/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204435-0
Analyst : MCT
Supervisor : MH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 0501B001
Analyst : MG
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 0501B001
Analyst : MG
Supervisor : MY

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9204435
Analyst : mc
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	61	57	73	81	54	91	0
2	E25	50	48	60	66	48	72	0
3	E26	56	53	67	76	56	86	0
4	E27	56	53	66	74	53	83	0
5								
6								
7								
8								
9								
10								
11								
12								
13								
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17								
18								
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24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
3028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204435
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204435- 1	E25	SOIL	04/23/92	TPHg/BTEX
9204435- 2	E26	SOIL	04/23/92	TPHg/BTEX
9204435- 3	E27	SOIL	04/23/92	TPHg/BTEX

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

R. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204435
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Chuck Babmer 5/5/92
Department Supervisor Date

Inna Shor 5/5/92
Chemist Date

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

Anametrix W.O.: 9204435
Matrix : SOIL
Date Sampled : 04/23/92

Project Number : 004-189-02
Date Released : 05/05/92

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# E25 -01	Sample I.D.# E26 -02	Sample I.D.# E27 -03	Sample I.D.# 21B0504A 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		89%	88%	66%	112%	
Instrument I.D.		HP21	HP21	HP21	HP21	
Date Analyzed		05/04/92	05/04/92	05/04/92	05/04/92	
RLMF		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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Analyst: Susan Shor Date: 5/5/92

Supervisor: Cheryl Balmer Date: 5/5/92

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204389
Date Received : 04/27/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204389- 1	E-29	SOIL	04/27/92	8270
9204389- 2	E-30	SOIL	04/27/92	8270
9204389- 3	E-31	SOIL	04/27/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204389
Date Received : 04/27/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor — Date: 5-5-92

Chemist — Date: 5-5-92

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-29
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-01
Analyst : MCT
Supervisor : MH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-29
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-01
Analyst : MCT
Supervisor : MH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-30
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-0
Analyst : MC
Supervisor : JM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-30
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-02
Analyst : MCT
Supervisor : UH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-31
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-0
Analyst : MG
Supervisor : UH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-31
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-03
Analyst : MCT
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 0501B001
Analyst : MCT
Supervisor : UH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 0501B001
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9204389
Analyst : MCT
Supervisor : UH

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	61	57	73	81	54	91	0
2	E-29	51	48	61	67	50	81	0
3	E-30	58	54	69	76	55	86	0
4	E-31	55	52	66	72	54	84	0
5	E-29MS	53	50	61	70	55	80	0
6	E-29MSD	56	54	67	73	58	84	0
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E-29
Matrix : SOIL
Date Sampled : 4/27/92
Date Extracted : 5/ 1/92
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204389-(
Analyst : MS
Supervisor : MJ

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	%REC LIMIT
PHENOL	3333.	0.	2456.	74	14-11
2-CHLOROPHENOL	3333.	0.	2322.	70	31-11
1,4-DICHLOROBENZENE	1667.	0.	1120.	67	32-10
N-NITROSO-DI-N-PROP.(1)	1667.	0.	1213.	73	27-12
1,2,4-TRICHLOROBENZENE	1667.	0.	1158.	69	33-11
4-CHLORO-3-METHYLPHENOL	3333.	0.	2350.	71	32-12
ACENAPHTHENE	1667.	0.	1120.	67	34-11
4-NITROPHENOL	3333.	0.	2556.	77	32-12
2,4-DINITROTOLUENE	1667.	0.	1012.	61	20-12
PENTACHLOROPHENOL	3333.	0.	2636.	79	29-15
PYRENE	1667.	0.	1369.	82	28-14

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	RPD LIMITS	%REC LIMIT
PHENOL	3333.	2561.	77	4	35	14-11
2-CHLOROPHENOL	3333.	2460.	74	6	50	31-11
1,4-DICHLOROBENZENE	1667.	1180.	71	5	27	32-10
N-NITROSO-DI-N-PROP.(1)	1667.	1229.	74	1	38	27-12
1,2,4-TRICHLOROBENZENE	1667.	1233.	74	6	23	33-11
4-CHLORO-3-METHYLPHENOL	3333.	2559.	77	8	33	32-12
ACENAPHTHENE	1667.	1165.	70	4	19	34-11
4-NITROPHENOL	3333.	2656.	80	4	50	32-12
2,4-DINITROTOLUENE	1667.	1100.	66	8	47	20-12
PENTACHLOROPHENOL	3333.	2822.	85	7	47	29-15
PYRENE	1667.	1422.	85	4	36	28-14

* Value is outside of Anametrix QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
20028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204389
Date Received : 04/27/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204389- 1	E-29	SOIL	04/27/92	TPHd
9204389- 2	E-30	SOIL	04/27/92	TPHd
9204389- 3	E-31	SOIL	04/27/92	TPHd
9204389- 1	E-29	SOIL	04/27/92	TPHg/BTEX
9204389- 2	E-30	SOIL	04/27/92	TPHg/BTEX
9204389- 3	E-31	SOIL	04/27/92	TPHg/BTEX

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204389
Date Received : 04/27/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Basmen 5/5/92
Department Supervisor Date

Lucia Shor 5/5/92
Chemist Date

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

Anametrix W.O.: 9204389
Matrix : SOIL
Date Sampled : 04/27/92

Project Number : 004-189-02
Date Released : 05/05/92

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# E-29 -01	Sample I.D.# E-30 -02	Sample I.D.# E-31 -03	Sample I.D.# 21B0504A 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		94%	100%	58%	112%	
Instrument I.D.		HP21	HP21	HP21	HP21	
Date Analyzed		05/04/92	05/04/92	05/04/92	05/04/92	
RLMF		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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Analyst 5/5/92 Date

Supervisor 5/5/92 Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204389
Matrix : SOIL
Date Sampled : 04/27/92
Date Extracted: 05/01/92

Project Number : 004-189-02
Date Released : 05/05/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204389-01	E-29	05/01/92	10	ND
9204389-02	E-30	05/01/92	10	ND
9204389-03	E-31	05/01/92	10	ND
DSBL050192	METHOD BLANK	05/01/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 5/5/92 Date

Supervisor 5/5/92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204389
Date Received : 04/27/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204389- 1	E-29	SOIL	04/27/92	5520EF
9204389- 2	E-30	SOIL	04/27/92	5520EF
9204389- 3	E-31	SOIL	04/27/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204389
Date Received : 04/27/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 4-28-92 Date

Chemist 04-28-92 Dat

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 04/27/92
Date ext. TOG : 04/28/92
Date anl. TOG : 04/28/92

Anametrix I.D. : 9204389
Analyst : APP
Supervisor : CB
Date released : 04/28/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204389-01	E-29	30	30
9204389-02	E-30	30	63
9204389-03	E-31	30	63
GSBL042892	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

TOTAL OIL AND GREASE MATRIX SPIKE REPORT
STANDARD METHOD 5520EF
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 004-189-02 E-29
Matrix : SOIL
Date sampled : 04/27/92
Date extracted : 04/28/92
Date analyzed : 04/28/92

Anametrix I.D. : 9204389
Analyst : ARP
Supervisor : CEB
Date Released : 04/28/92

COMPOUND	SPIKE AMT. (mg/Kg)	MS (mg/Kg)	%REC MS	MSD (mg/Kg)	%REC MSD	%RPD	%REC LIMITS
Motor Oil	300	340	103%	337	102%	1%	48-114%

* Quality control limits established by Anametrix, Inc.

9204389 (1924) 10:30 AM

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: DOH-189-02
CLIENT: POWER ENGINEERING
SITE: SAN ANTONIO PUMP STATION
55555 CALAVERAS ROAD
SUNOL, CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TOG (5520 E/F)	ANALYSIS: 8270 (added 4-28-92)	ANALYSIS: TPHd	ANALYSIS: TPHg / BTEX (HOLD 4/30/92)	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	E-29	SOIL	1		✓	✓	✓	✓			
2	E-31	↓	↓		✓	✓	✓	✓			
3	E-31	↓	↓		✓	✓	✓	✓			

SAMPLING COMPLETED	DATE 4-27-92	TIME 1200	SAMPLING PERFORMED BY	DAVID OTERO			
RELEASED BY		DATE 4-27	TIME 1616	RECEIVED BY		DATE 4-27-92	TIME 1616
RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME
RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME
SHIPPED VIA		DATE SENT	TIME SENT	COOLER #			

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 05/01/92
Date ext. TOG : 05/04/92
Date anl. TOG : 05/04/92

Anametrix I.D. : 9205013
Analyst : RR
Supervisor : CB
Date released : 05/04/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9205013-01	E33	30	ND
9205013-02	E34	30	ND
9205013-03	E35	30	ND
GSBL050492	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

PG/3274

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204434
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204434- 1	E32	SOIL	04/30/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204434
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor 5-5-92 Date

Chemist 5-5-92 Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	: 004-189-	Anametrix ID	: 9204434-01
Sample ID	: E32	Analyst	: MG
Matrix	: SOIL	Supervisor	:
Date Sampled	: 4/30/92		
Date Extracted	: 5/ 1/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 5/ 4/92	Dilution Factor	: 1.00
Instrument ID	: F3	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : E32
Matrix : SOIL
Date Sampled : 4/30/92
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 9204434-01
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 0501B001
Analyst : MJ
Supervisor : LH

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/ 1/92
Amount Extracted : 30.0 g
Date Analyzed : 5/ 4/92
Instrument ID : F3

Anametrix ID : 0501B001
Analyst : MCT
Supervisor : WA

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9204434
Analyst : MCT
Supervisor : MH

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	61	57	73	81	54	91	0
2	E32	51	49	63	68	54	80	0
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204434
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204434- 1	E32	SOIL	04/30/92	TPHd
9204434- 1	E32	SOIL	04/30/92	TPHg/BTEX

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204107
Date Received : 04/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204107- 2	SP2 E	SOIL	04/06/92	5520EF
9204107- 5	SP3-B	SOIL	04/06/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204434
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for this sample.

Cheryl Bateman 5/5/92
Department Supervisor Date

Chemist 5/5/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204107
Matrix : SOIL
Date Sampled : 04/06/92
Date Extracted: 04/08/92

Project Number : 044-189-02
Date Released : 04/13/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204107-02	SP2 E	04/09/92	10	45
9204107-05	SP3-B	04/09/92	10	ND
DSBL040892	METHOD BLANK	04/09/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 4/13/92 Date

Supervisor 4/13/92 Date

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

Anametrix W.O.: 9204434
Matrix : SOIL
Date Sampled : 04/30/92

Project Number : 004-189-02
Date Released : 05/05/92

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# E32 -01	Sample I.D.# 21B0504A BLANK
Benzene	0.005	ND	ND
Toluene	0.005	ND	ND
Ethylbenzene	0.005	ND	ND
Total Xylenes	0.005	ND	ND
TPH as Gasoline	0.5	ND	ND
% Surrogate Recovery		89%	112%
Instrument I.D.		HP21	HP21
Date Analyzed		05/04/92	05/04/92
RLMF		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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Lucia Stier 5/5/92
Analyst Date

Cheryl Bachman 5/6/92
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9204434
Matrix : SOIL
Date Sampled : 04/30/92
Date Extracted: 05/01/92

Project Number : 044-189-02
Date Released : 05/05/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204434-01	E32	05/01/92	10	ND
DSBL050192	METHOD BLANK	05/01/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 5/5/92 Date

Supervisor 5/5/92 Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204434
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204434- 1	E32	SOIL	04/30/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204434
Date Received : 04/30/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

Department Supervisor 5-7-92 Date

Chemist 05-04-92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 04/30/92
Date ext. TOG : 05/01/92
Date anl. TOG : 05/01/92

Anametrix I.D. : 9204434
Analyst : DFF
Supervisor : CEB
Date released : 05/04/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204434-01	E32	30	ND
GSBL050192	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

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

9204430 #12 1705 FB

CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER: 004-189-02
PROJECT NAME: San Antonio Pump Station
Send Report Attention of:
Report Due: / /
Verbal Due: / /

Sample Number	Date	Time	Comp	Matrix	Station Location	Number of Cntnrs	Type of Containers	TPHg BTEX	TPHD	TOG (5520EF)	8270						Condition of Samples	Initial
E32	4/30	~~10:50~~ 10:00		Soil		1	2X6 Brass	✓	✓	✓	✓						Sample Received cold. No headspace	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4/30/92 16:38		
		Received by Lab: Farah Bail	4/30/92 16:53

Remarks: 48 hr

COMPANY:
ADDRESS:
PHONE :
FAX :

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205013
Date Received : 05/01/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205013- 1	E33	SOIL	05/01/92	5520EF
9205013- 2	E34	SOIL	05/01/92	5520EF
9205013- 3	E35	SOIL	05/01/92	5520EF

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 05/01/92
Date ext. TOG : 05/04/92
Date anl. TOG : 05/04/92

Anametrix I.D. : 9205013
Analyst : RPF
Supervisor : CEB
Date released : 05/04/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9205013-01	E33	30	ND
9205013-02	E34	30	ND
9205013-03	E35	30	ND
GSBL050492	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205013
Date Received : 05/01/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 5.5.92 Date

Chemist E R Patel 05-05-92 Date

9205013 #10 (2)

1745

F3

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pump Station
5555 Calaveras
Sunol, CA

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH g BTEX	ANALYSIS: TPH D	ANALYSIS: TOG (5520 EF)	ANALYSIS: 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
E33	soil	1				✓		24hr		
E34	↓	1				✓		24hr		samples,
E35	↓	1				✓		24hr		Raised gold,
										no headspace

SAMPLING COMPLETED	DATE 5/1/92	TIME 11:00	SAMPLING PERFORMED BY	Tim Babcock	
RELEASED BY	DATE 5/1/92	TIME 17:20	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY Fresh Bath	DATE 5/6/92	TIME 1720
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205114
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205114- 1	E37	SOIL	05/07/92	TPHd
9205114- 2	E38	SOIL	05/07/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205114
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Bachman 5/21/92
Department Supervisor Date

Reggie Davison 5/21/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9205114
Matrix : SOIL
Date Sampled : 05/07/92
Date Extracted: 05/19/92

Project Number : 004-189-02
Date Released : 05/20/92
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9205114-01	E37	05/20/92	10	ND
9205114-02	E38	05/20/92	10	ND
DSBL051992	METHOD BLANK	05/20/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

M. Harrington 5/21/92
Analyst Date

Cheryl Balmer 5/21/92
Supervisor Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205114
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205114- 1	E37	SOIL	05/07/92	5520EF
9205114- 2	E38	SOIL	05/07/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205114
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 5.22.92 Date

Chemist 05.22.92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-02
Matrix : SOIL
Date sampled : 05/07/92
Date ext. TOG : 05/20/92
Date anl. TOG : 05/20/92

Anametrix I.D. : 9205114
Analyst : ARC.
Supervisor : CAS
Date released : 05/22/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9205114-01	E37	30	57
9205114-02	E38	30	30
GSBL052092	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

#10 (9) 2000 FB (10/14) 20:30 J.D.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ______ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio P.S.
5555 Calaveras
Sunol, CA

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	TPH (diesel)	TPH gas & BTEX	TOG (5520 EF)	8270					TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	E37	Soil	1		✓	✓	✓	✓					2 week		samples
2	E38	Soil	1		✓	✓	✓	✓					2 week		Received cold,
															no headspace
													Cancel 8270		
													& TPHG/BTEX.		
													KS/Tim 5/11/92		

SAMPLING COMPLETED — DATE: 5/7/92 — TIME: 10:00 — SAMPLING PERFORMED BY: Tim Babcock

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Tim Babcock	5/7/92	11:05	[signature]	5/7/92	11:05 AM
[signature]	5-7-92	19:37	Fenh Bul	5-7-92	1937

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

004-189-02\011918

Environmental Bio-Systems
30028 Industrial Pkwy
Hayward, CA 94545
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
	Project No.: 004-189-02 San Antonio Pumping Station 5555 Calaveras Sunol, CA		
F042002	SP1A	5.0	<5.0
F042003	SP1B	5.0	<5.0
F042004	SP1C	5.0	<5.0
F042005	SP2A	5.0	<5.0
F042006	SP2B	5.0	<5.0
F042007	SP2C	5.0	15
F042008	SP3A	5.0	<5.0

QA/QC: Sample blank is none detected
Duplicate Deviation on F042007 is 9.7%
Spike Recovery on F042003 is 106%

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

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004-189-02\011918

Environmental Bio-Systems
30028 Industrial Pkwy
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description	Detection Limit ppm	SOIL Gravimetric Waste Oil as Petroleum Oil ppm
	San Antonio Pumping Station 5555 Calaveras Sunol, CA - Proj #004-189-02		
F042002	SP1A	10	320
F042003	SP1B	10	130
F042004	SP1C	10	240
F042005	SP2A	10	100
F042006	SP2B	10	200
F042007	SP2C	10	130
F042008	SP3A	10	50

QA/QC: Freon Blank is none detected.
Spike Recovery on F042008 is 103%
Duplicate Deviation on F042004 is 4.0%

Note: Analysis was performed using EPA extraction method 3550 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503e
(ppm) = (mg/kg)

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042002	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP1A SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected
Duplicate Deviation is 4.8%
Spike Recovery is 87%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042003	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP1B SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042004	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP1C SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042005	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP2A SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042006	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP2B SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Lab Director

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042007	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP2C SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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004-189-02/011918

Environmental Bio-Systems
30028 Industrial Parkway, S.W.
Hayward, CA 94544
Attn: Tim Babcock
Project Manager

Date Sampled: 04-02-92
Date Received: 04-06-92
Date Reported: 04-06-92

Sample Number	Sample Description
F042008	Project # 004-189-02 San Antonio Pumping St. 5555 Calaveras - Sunol SP3A SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: Power Engineering
SITE: San Antonio Pump Station
5555 Calaveras
Sunol CA

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH diesel	ANALYSIS: TOG (5520 EF)	ANALYSIS: 8270	ANALYSIS: BTEX	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
~~E2~~	~~Soil~~	~~1~~						—		
~~E3~~								—		
SP1A				✓	✓		✓	48 Hour		
SP1B										
SP1C										
SP2A										
SP2B										
SP2C										
SP3A	↓	↓		↓	↓		↓	↓		

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY				
	4-2-92	5:00	David Otero				
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME		
	4-2-92	19:00		4/2/92	18:00		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME		
	4/3/92	14:30		4/3/92	1800		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME		
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #				

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
2028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204107
Date Received : 04/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9204107- 2	SP2 E	SOIL	04/06/92	TPHd
9204107- 5	SP3-B	SOIL	04/06/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204107
Date Received : 04/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as diesel for sample SP2 E is primarily due to the presence of a heavier petroleum product, possibly motor oil.

Cheryl Brenner 4/13/92
Department Supervisor Date

Susan Shen 4/13/92
Chemist Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9204107
Date Received : 04/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 4/9/92 Date

Chemist 04-09-92 Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project #	: 004-189-02	Anametrix I.D.	: 9204107
Matrix	: SOIL	Analyst	:
Date sampled	: 04/06/92	Supervisor	:
Date ext. TOG	: 04/09/92	Date released	: 04/09/92
Date anl. TOG	: 04/09/92		

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9204107-02	SP2 E	30	200
9204107-05	SP3-B	30	40
GSBL040892	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520E&F.

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

9204107 10/7 8:30 MA

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-02
CLIENT: POWER ENGINEERING
SITE: SAN ANTONIO PUMP STATION
5555 CALAVERAS (S.O. HAND. RD.)
SUNOL, CA.

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:
(48hrs on #2, #5 for TOG & TPHd. all the E-samples 24hrs. KO as per Tim 4892
#1, #3 on HOLD

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TOG SM5520-E&F	ANALYSIS: TPHd - 8015 (GC)	ANALYSIS:	ANALYSIS:	ANALYSIS:	ANALYSIS:	ANALYSIS:	ANALYSIS:	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	SP2 D	SOIL			X	X							~~2 WEEK~~		Released by Anametrix
2	SP2 E	↓			X	X							~~5~~		↓
3	SP2 F	↓			X	X							~~10 WEEK~~		
4	E-9	↓					X						24 HR		
5	SP3-B	↓			X	X							~~2 WEEK~~		Released by Anametrix 4/08/92 11:12

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	4-6-92	15:30	DAVID OTERO

RELEASED BY	DATE 4-7-92	TIME 8:34	RECEIVED BY	Steve Jones	DATE 4/7/92	TIME 6:34
RELEASED BY	DATE 4-7-92	TIME 1112	RECEIVED BY	David Lewis	DATE 4/8/92	TIME 11:15
RELEASED BY	DATE	TIME	RECEIVED BY		DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205115- 9	SPI	SOIL	05/07/92	8240
9205115-10	SPII	SOIL	05/07/92	8240
9205115- 9	SPI	SOIL	05/07/92	8270
9205115-10	SPII	SOIL	05/07/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Department Supervisor 5-28-92 Date

Chemist 5-18-92 Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : SPI
Matrix : SOIL
Date Sampled : 5/ 7/92
Date Analyzed : 5/21/92
Instrument ID : MSD2

Anametrix ID : 9205115-09
Analyst : W
Supervisor : MM

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : SPII
Matrix : SOIL
Date Sampled : 5/ 7/92
Date Analyzed : 5/21/92
Instrument ID : MSD2

Anametrix ID : 9205115-10
Analyst : WW
Supervisor : WM

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID	:	Anametrix ID	: 0521B002
Sample ID	: BLANK	Analyst	: W
Matrix	: SOIL	Supervisor	: M
Date Sampled	: 0/ 0/ 0		
Date Analyzed	: 5/21/92	Dilution Factor	: 1.0
Instrument ID	: MSD2	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 624/8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9205115
Analyst : DP
Supervisor : WM

	SAMPLE ID	SU1	SU2	SU3
1	BLANK	97	104	102
2	SPI	99	100	90
3	SPII	101	100	94
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
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25				
26				
27				
28				
29				
30				

	QC LIMITS
SU1 = 1,2-Dichloroethane-d4	(73-130)
SU2 = Toluene-d8	(74-121)
SU3 = 1,4-Bromofluorobenzene	(70-124)

* Values outside of Anametrix QC limits

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : SPI
Matrix : SOIL
Date Sampled : 5/ 7/92
Date Extracted : 5/20/92
Amount Extracted : 30.0 g
Date Analyzed : 5/21/92
Instrument ID : F2

Anametrix ID : 9205115-0
Analyst : MC
Supervisor : M
Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : SPI
Matrix : SOIL
Date Sampled : 5/ 7/92
Date Extracted : 5/20/92
Amount Extracted : 30.0 g
Date Analyzed : 5/21/92
Instrument ID : F2

Anametrix ID : 9205115-09
Analyst : MG
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	1300.	B
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : SPII
Matrix : SOIL
Date Sampled : 5/ 7/92
Date Extracted : 5/20/92
Amount Extracted : 30.0 g
Date Analyzed : 5/21/92
Instrument ID : F2

Anametrix ID : 9205115-10
Analyst : MG
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : SPII
Matrix : SOIL
Date Sampled : 5/ 7/92
Date Extracted : 5/20/92
Amount Extracted : 30.0 g
Date Analyzed : 5/21/92
Instrument ID : F2

Anametrix ID : 9205115-1C
Analyst : MC
Supervisor : MJ

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	1200.	B
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID	:	Anametrix ID	: 0520B001
Sample ID	: BLANK	Analyst	: MG
Matrix	: SOIL	Supervisor	: UM
Date Sampled	: 0/ 0/ 0		
Date Extracted	: 5/20/92		
Amount Extracted	: 30.0 g		
Date Analyzed	: 5/20/92	Dilution Factor	: 1.00
Instrument ID	: F2	Conc. Units	: ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 5/20/92
Amount Extracted : 30.0 g
Date Analyzed : 5/20/92
Instrument ID : F2

Anametrix ID : 0520B001
Analyst : MG
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	830.	
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9205115
Analyst : MC
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	81	109	74	80	57	68	0
2	SPII	62	82	68	70	68	64	0
3	SPI	59	81	64	71	70	61	0
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205115- 1	SP1A-D	SOIL	05/07/92	TPHd
9205115- 2	SP2A-D	SOIL	05/07/92	TPHd
9205115- 3	SP3A-D	SOIL	05/07/92	TPHd
9205115- 4	SP4A-D	SOIL	05/07/92	TPHd
9205115- 5	SP5A-D	SOIL	05/07/92	TPHd
9205115- 6	SP6A-D	SOIL	05/07/92	TPHd
9205115- 7	SP7A-D	SOIL	05/07/92	TPHd
9205115- 8	SP8A-D	SOIL	05/07/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as motor oil for sample SP6A-D is primarily due to the presence of a lighter petroleum product, possibly diesel fuel.

Cheryl Babcock 5/27/92
Department Supervisor Date

Steve Jones 5/27/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9205115
Matrix : SOIL
Date Sampled : 05/07/92
Date Extracted: 05/21/92

Project Number : 004-189-02
Date Released : 05/27/92
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9205115-01	SP1A-D	05/22/92	10	ND
9205115-02	SP2A-D	05/26/92	10	28
9205115-03	SP3A-D	05/22/92	10	ND
9205115-04	SP4A-D	05/22/92	10	16
9205115-05	SP5A-D	05/22/92	10	ND
9205115-06	SP6A-D	05/22/92	10	170
9205115-07	SP7A-D	05/22/92	10	17
9205115-08	SP8A-D	05/22/92	10	48
DSBL052192	METHOD BLANK	05/22/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as motor oil is determined by GCFID following sample extraction by EPA Method 3550.

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

Analyst 5/27/92
Date

Supervisor 5/27/92
Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9205115
Matrix : SOIL
Date Sampled : 05/07/92
Date Extracted: 05/21/92

Project Number : 004-189-02
Date Released : 05/27/92
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9205115-01	SP1A-D	05/22/92	10	ND
9205115-02	SP2A-D	05/26/92	10	28
9205115-03	SP3A-D	05/22/92	10	ND
9205115-04	SP4A-D	05/22/92	10	16
9205115-05	SP5A-D	05/22/92	10	ND
9205115-06	SP6A-D	05/22/92	10	170
9205115-07	SP7A-D	05/22/92	10	17
9205115-08	SP8A-D	05/22/92	10	48
DSBL052192	METHOD BLANK	05/22/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as motor oil is determined by GCFID following sample extraction by EPA Method 3550.

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

Steve Ims 5/27/92
Analyst Date

Cheryl Beelman 5/27/92
Supervisor Date

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205115-11	SPIII	SOIL	05/07/92	1010

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

Carl C. Brallo 5.22.92
Department Supervisor Date

C R Patel 05-22-92
Chemist Date

ANALYSIS DATA SHEET - EPA METHOD 1010 - FLASHPOINT
ANAMETRIX, INC. (408) 432-8192

Project No. : 004-189-02
Date Sampled : 05/07/92
Date Analyzed : 05/20/92

Anametrix I.D. : 9205115
Analyst : AR
Supervisor : CCB
Date released : 05/22/92

Workorder #	Sample I.D.	Matrix	Centrigrade
9205115-11	SPIII	SOIL	>100 C

1010 : Pensky-Martens Closed-Cup Methods for Determining Ignitability. SW-846, 3rd Edition.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9205115-11	SPIII	SOIL	05/07/92	9045
9205115- 9	SPI	SOIL	05/07/92	CWET-INORG
9205115-10	SPII	SOIL	05/07/92	CWET-INORG
9205115- 9	SPI	SOIL	05/07/92	CWETMETALS
9205115-10	SPII	SOIL	05/07/92	CWETMETALS

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9205115
Date Received : 05/07/92
Project ID : 004-189-02
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- Spike recoveries for sample SPI for silver by EPA Method 6010, selenium by EPA Method 7740 and thallium by EPA Method 7841 were outside of Anametrix control limits.
- Spike recovery for sample SPI for mercury by EPA Method 7470 was outside of Anametrix control limits.

Manny Nguyen 5/28/92
Department Supervisor Date

Nona Kamel 5/28/92
Chemist Date

ANALYSIS DATA SHEET - TITLE 22 CWET METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9205115
Matrix : SOIL
Date Sampled : 05/07/92
Project Number: 004-189-02

Date Prepared : 05/22/92
Date Analyzed : 05/27/92
Date Released : 05/28/92
Instrument I.D.: AA1/AA2/ICP1

ELEMENTS	EPA Method#	Reporting Limit (mg/L)	Sample I.D.# SPI -09	Sample I.D.# SPII -10
Silver (Ag)	6010	0.020	0.022	ND
Arsenic (As)	7060	0.050	ND	ND
Barium (Ba)	6010	0.200	4.62	4.51
Beryllium (Be)	6010	0.010	ND	ND
Cadmium (Cd)	6010	0.010	0.013	ND
Cobalt (Co)	6010	0.100	0.240	0.248
Total Cr	6010	0.020	0.114	0.099
Copper (Cu)	6010	0.050	0.643	0.927
Mercury (Hg)	7470	0.0006	ND	ND
Molybdenum (Mo)	6010	0.020	ND	ND
Nickel (Ni)	6010	0.080	0.525	0.574
Lead (Pb)	6010	0.080	0.104	ND
Antimony (Sb)	6010	0.120	ND	ND
Selenium (Se)	7740	0.025	ND	ND
Thallium (Tl)	7841	0.050	ND	ND
Vanadium (V)	6010	0.100	0.226	0.206
Zinc (Zn)	6010	0.040	0.887	2.04

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Code of Regulations Title 22.

Samples and blank were extracted by the Waste Extraction Test (WET) method as per client request. Results are reported in mg/L of extracts according to procedures of CCR Title 22 Section 66261, Appendix II.

Manny Noguera 5/28/92
Supervisor Date

Mona Kamel 5/28/92
Chemist Date

ANAMETRIX, INC.
1961 CONCOURSE DRIVE, SUITE E
SAN JOSE, CA 95131, (408) 432-8192

INORGANIC MATRIX SPIKE REPORT

Spike I.D. : 9205115-09MS,MD
Date Prepared: 05/22/92
Date Analyzed: 05/27/92
Assoc. WO # : 9205115

Inst. ID : AA1/AA2/ICP1
Date : 5/28/92
Matrix : SOIL
Conc. Units: mg/L

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.*	M S CONC.	% REC	M S D CONC.	% REC	R P D
Ag	6010	0.050	0.022	0.043	42.0	0.041	38.0	10.0
As	7060	0.020	0.0	0.019	95.0	0.024	120	23.3
Ba	6010	2.00	4.62	6.50	94.0	6.60	99.0	5.2
Be	6010	0.050	0.0	0.051	102	0.052	104	1.9
Cd	6010	0.050	0.013	0.053	80.0	0.054	82.0	2.5
Co	6010	0.500	0.240	0.661	84.2	0.670	86.0	2.1
TTl Cr	6010	0.200	0.113	0.280	83.5	0.286	86.5	3.5
Cu	6010	0.250	0.643	0.870	90.8	0.881	95.2	4.7
Hg	7470	0.0014	0.0	0.0018	130	0.0015	110	16.7
Mo	6010	2.00	0.0	1.87	93.5	1.91	95.5	2.1
Ni	6010	0.500	0.525	0.940	83.0	0.944	83.8	1.0
Pb	6010	0.500	0.104	0.532	85.6	0.534	86.0	0.5
Sb	6010	0.500	0.0	0.488	97.6	0.516	103	5.6
Se	7740	0.010	0.0	0.0	0.0	0.0	0.0	0.0
Tl	7841	2.00	0.0	0.132	6.6	0.152	7.6	14.1
V	6010	0.500	0.226	0.674	89.6	0.684	91.6	2.2
Zn	6010	0.500	0.887	1.31	84.6	1.32	86.6	2.3

COMMENT: Quality control limits for percent recovery are 75-125% and 25% for RPD.
NOTE : Spikes were prepared after extractions by the Waste Extraction Test (WET) method.
* : Sample concentration of 0.0 indicates that the analyte in the sample was below detection limit for the method. 0.0 is entered for calculations of the percent recovery and RPD only.

Manny Nguyen 5/28/92
Supervisor Date

Mona Kamel 5/28/92
Chemist Date

ANALYSIS DATA SHEET - pH - EPA METHOD 9045
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.:	9205115	Date Prepared :	05/28/92
Matrix :	SOIL	Date Analyzed :	05/28/92
Date Sampled :	05/07/92	Date Released :	05/28/92
Project Number:	004-189-02	Instrument I.D.:	OR1

ANAMETRIX ID	CLIENT ID	pH
9205115-11	SPIII	8.5

ND : Not detected at or above the practical quantitation limit for the method.

pH Electrometric measurement as determined by SW-846, 3rd edition, or by Methods for Chemical Analysis of Water and Wastes, EPA, 3rd Edition, 1983.

Manny Nguyen 5/28/92
Supervisor Date

Mona Kame 5/28/92
Chemist Date

10/14 2015 FB

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ______ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

PROJECT NUMBER: C04-189-02

CLIENT: Power Engineering

SITE: San Antonio Pump Station
5555 Calaveras
Sunol, CA

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	TCLP gas w/ BTEX	TCLP diesel	TCLP metals	TCLP 8270	TCLP 8240	TCLP TOG			TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	SP1A-D	Soil	4	✓	✓	✓	✓	✓	✓	✓			2 week		samples
2	SP2A-D	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓		Received
3	SP3A-D														cold w/ no
4	SP4 A-D														headspace
5	SP5 A-D														except sp4-B
6	SP6 A-D														sp3-D, sp6 C
7	SP7 A-D														
8	SP8 A-D	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓		

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	5-7-92	1930	DAVID OTERO

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	5-7-92	19:30	Frank Bali	5-7-92	1930

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206016
Date Received : 06/02/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206016- 1	SP6-TCLP-A-D	SOIL	06/02/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206016
Date Received : 06/02/92
Project ID : 004-189-02
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as TPHd for sample SP6-TCLP-A-D is primarily due to the presence of discrete hydrocarbon peaks not indicative of diesel fuel.
- Sample and blank were extracted according to TCLP. Concentrations are reported in ug/L of the aqueous extract.

Cheryl Baerman 6/9/92
Department Supervisor Date

Lucia Shor 6/9/92
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9206016
Matrix : SOIL
Date Sampled : 06/02/92
Date Extracted: 06/05/92

Project Number : 004-189-02
Date Released : 06/08/92
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9206016-01	SP6-TCLP-A-D	06/05/92	50	95
DSB;060592	METHOD BLANK	06/05/92	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

June, 9TH 1992
Analyst Date

6/9/92
Supervisor Date

TOTAL EXTRACTABLE HYDROCARBON MATRIX SPIKE REPORT
EPA METHOD 3510 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 004-189-02 SP6-TCLP-A-D
Matrix : SOIL
Date Sampled : 06/02/92
Date Extracted: 06/04/92
Date Analyzed : 06/05/92

Anametrix I.D. : 9206016-01M
Analyst : LS
Supervisor : [illegible]
Date Released : 06/08/92
Instrument I.D.: HP09

COMPOUND	SPIKE AMT (ug/L)	REC MS (ug/L)	% REC MS	% REC LIMITS
Diesel	1250	1137	91%	40-140

10/25 g.D. 12:0

928 ?16

10/25 g.D.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER	004-189-02
CLIENT	Power Engineering
SITE	San Antonio Pumpstation
	5555 Calaveras
	Sunol, CA

ANALYSIS: TCLP-Motor Oil

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ______ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS: Ref #275

	SAMPLE I.D	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	TCLP-Motor Oil							TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
1	SP6-TCLP-AHwD	Soil	4	✓	✓							By Fri	Cool	

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	6/2/92	9:30	Tim Babcock

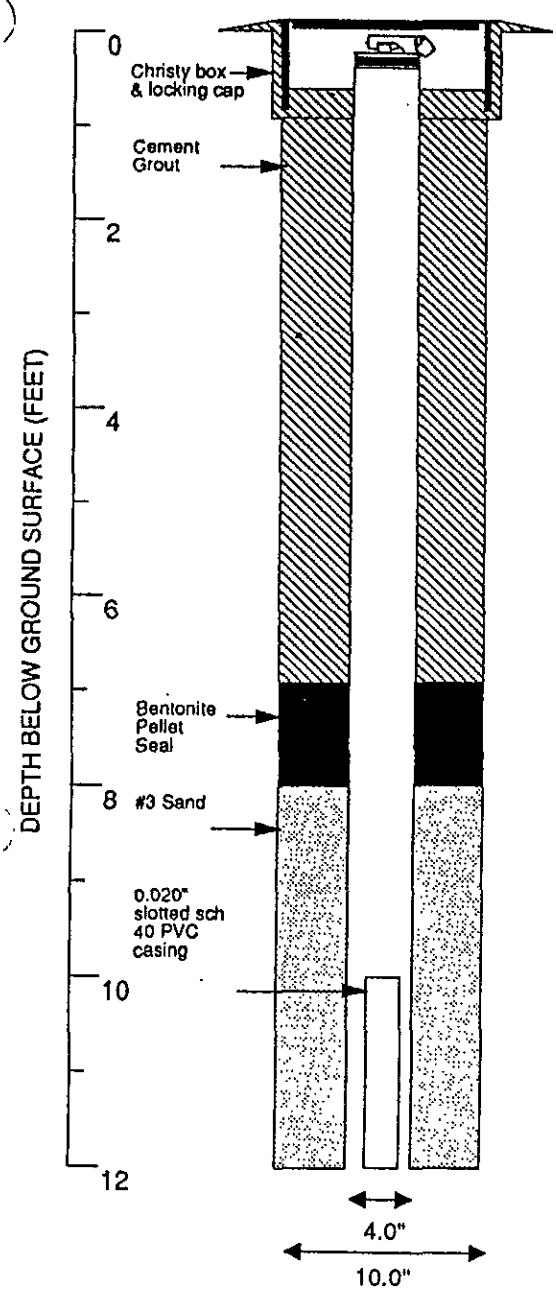
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	6/2/92	10:30	Josephine DeCarli	6/2/92	10:30

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

APPENDIX E

SOIL BORING LOGS AND

MONITORING WELL CONSTRUCTION DETAILS



PID (ppmv)	Blow Counts	GRAPHIC LOG	DESCRIPTION
0			Eight inches of asphalt and backfill.
			Backfill, base rock, compacted to 95%.
2			
4			
6			
8			
10			
12			

Continues

Logged by:	Dave Sadoff	Drilling Company:	Exploration Geoservices, Inc.	Well Head Completion:	Christy box & locking cap
Inspector:	Scott Seery	Drilling Method:	Hollow Stem Auger	Type of Sampler:	California Split Spoon
Dates Drilled:	6/1/92	Lead Agency:	Alameda County	TD (Total Depth):	16.0 ft.

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

esi K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

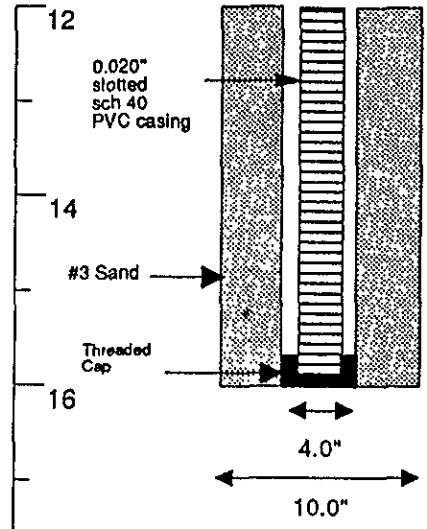
Boring Log and Well Completion Details
MW-1 (Boring 1)

San Antonio Pump Station
5555 Calaveras Road
Sunol, California

MONITOR WELL **1**

ENVIRONMENTAL BIO-SYSTEMS, INC.
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02



DEPTH BELOW GROUND SURFACE (FEET)

12 14 16 18 20 22 24 26

PID Blow (ppmv) Counts | GRAPHIC LOG | DESCRIPTION

50

Backfill to 14'.

Hard Drilling at 14'. First water at 14'7".
MW-1; 14.5-15.0.

Extremely hard packed from 15'5"; Gray, very well indurated siltstone with abundant quartz and lithic fragments, weathered serpentine? Refusal at 16'.

Final Page

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- ..... Dotted where approximate
- – – – Dashed where uncertain
- //////// Hachured where gradational
- est K Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR No recovery

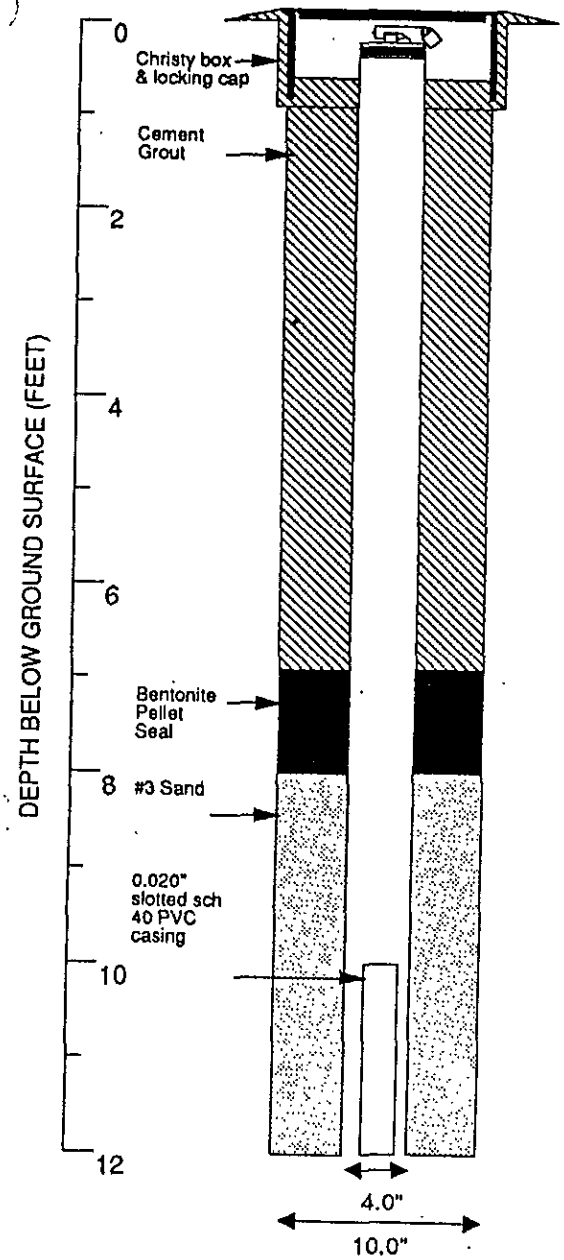
Boring Log and Well Completion Details
MW-1 (Boring 1)

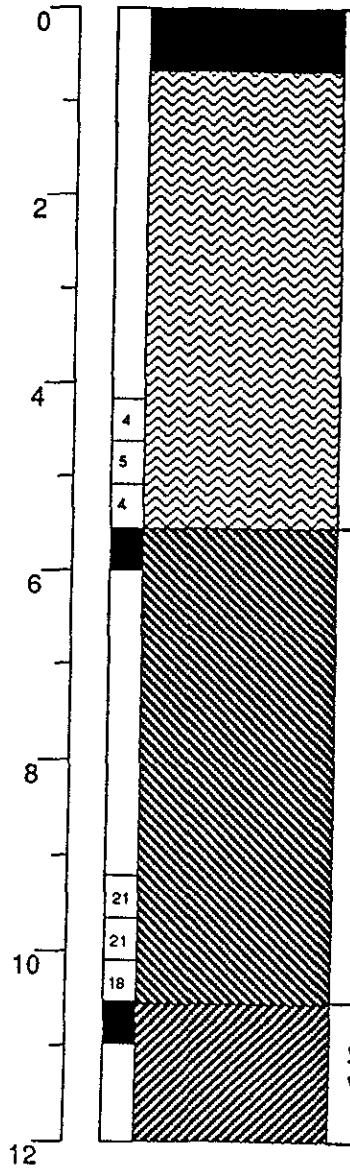
San Antonio Pump Station
5555 Calaveras Road
Sunol, California

MONITOR WELL
1

ENVIRONMENTAL BIO-SYSTEMS, INC.
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02





DESCRIPTION

Eight inches of asphalt and backfill. No odor.

Clayey silt, black (organic?).

MW-2; 5.5-6.0; Poorly consolidated fine grained sand, light brown, gravels and cobbles (?), 65% recovery.

MW-2; 10.5-11.0. Fine/medium grained sand with gravels, light brown, poorly consolidated, with iron oxide staining, 65% recovery.

Continues

Logged by:	Dave Sadoff	Drilling Company:	Exploration Geoservices, Inc.	Well Head Completion:	Christy box & locking cap
Inspector:	Scott Seery	Drilling Method:	Hollow Stem Auger	Type of Sampler:	California Split Spoon
Dates Drilled:	6/1/92	Lead Agency:	Alameda County	TD (Total Depth):	22.0 ft.

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- eve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
MW-2 (Boring 2)

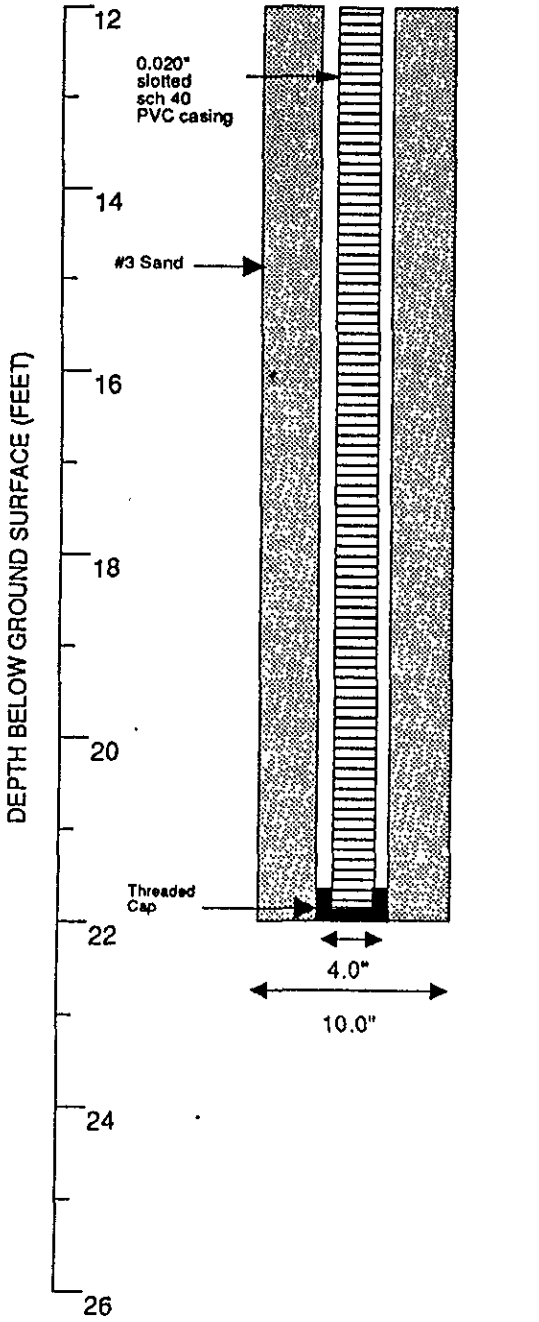
San Antonio Pump Station
5555 Calaveras Road
Sunol, California

MONITOR WELL

2

ENVIRONMENTAL BIO-SYSTEMS, INC.
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02



PID (ppmv)	Blow Counts	GRAPHIC LOG	DESCRIPTION
			Gravel, minor sand,difficult drilling.
	50		MW-2; 15.5-16.0. Gravel, cobbles (?) in fine/medium grained sand.
			At 16.5' light brown/tan silty, fine grained sand, abundant gravel.
			At 18.5' light gray, sandy silt, rare oxide staining.
			MW-2; 20.5'-21.0'. Gravels/cobbles (?) composed of serpentine (?).

Final Page

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

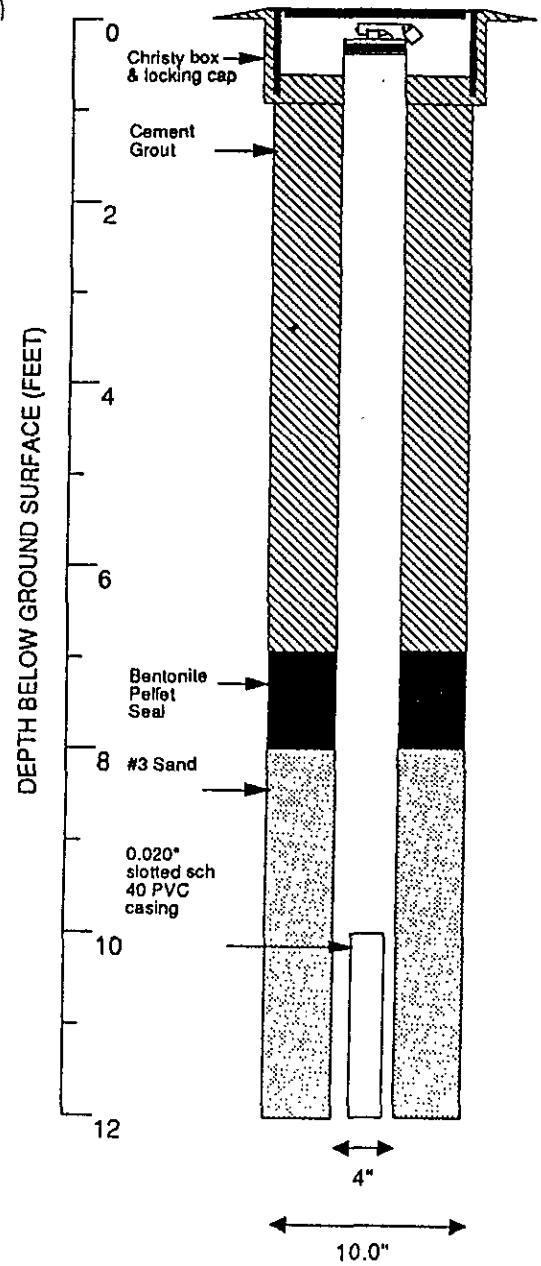
Boring Log and Well Completion Details
MW-2 (Boring 2)

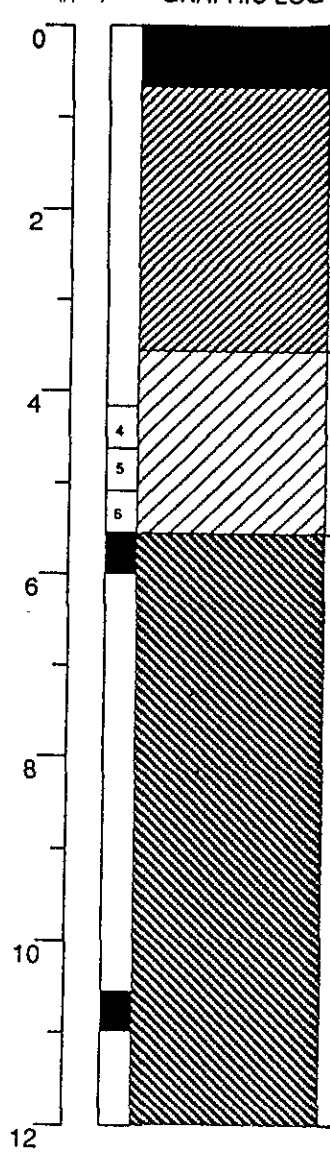
San Antonio Pump Station
5555 Calaveras Road
Sunol, California

MONITOR WELL **2**

ENVIRONMENTAL BIO-SYSTEMS, INC
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02





DESCRIPTION

Eight inches of asphalt and backfill. No odor.

Gravels/cobbles (?) to 3.5'..

Clay.

MW-3; 5.5-6.0. Sandy silt, organic rich (roots), dark brown, no gravel, 70% recovery.

MW-3; 10.5-11.0.
Silty sand, fine grained, brown, rare gravels, some iron oxide staining, poorly consolidated.

Continues

Logged by:	Dave Sadoff	Drilling Company:	Exploration Geoservices, Inc.	Well Head Completion:	Christy box & locking cap
Inspector:	Scott Seery	Drilling Method:	Hollow Stem Auger	Type of Sampler:	California Split Spoon
Dates Drilled:	6/1/92	Lead Agency:	Alameda County	TD (Total Depth):	42.0 ft.

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

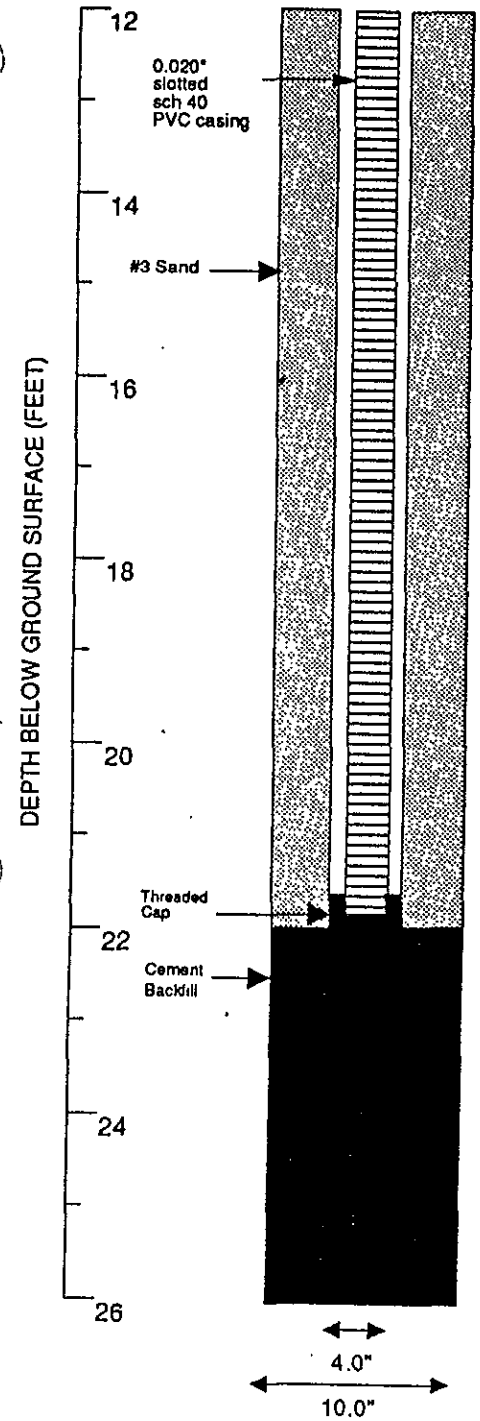
Boring Log and Well Completion Details
MW-3 (Boring 3)

San Antonio Pump Station
5555 Calaveras Road
Sunol, California

MONITOR WELL
3

ENVIRONMENTAL BIO-SYSTEMS, INC
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02



PID (ppmv)	Blow Counts	GRAPHIC LOG	DESCRIPTION
	18		Cobbles (?) at 13.5'-harder drilling.
	27		
	38		
	18		MW-3; 15.5-16.0. Subrounded gravels in silty sand. Difficult drilling at 16'.
	35		
	50		
			MW-3; 20.5-21.0. Gravels and cobbles (?), (to 6" diameter), composed of subangular serpentine (?).
			Gray silty mudstone with abundant gravels, poorly indurated.
	21		
	50		MW-3; 25.5-26.0.

Continues

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

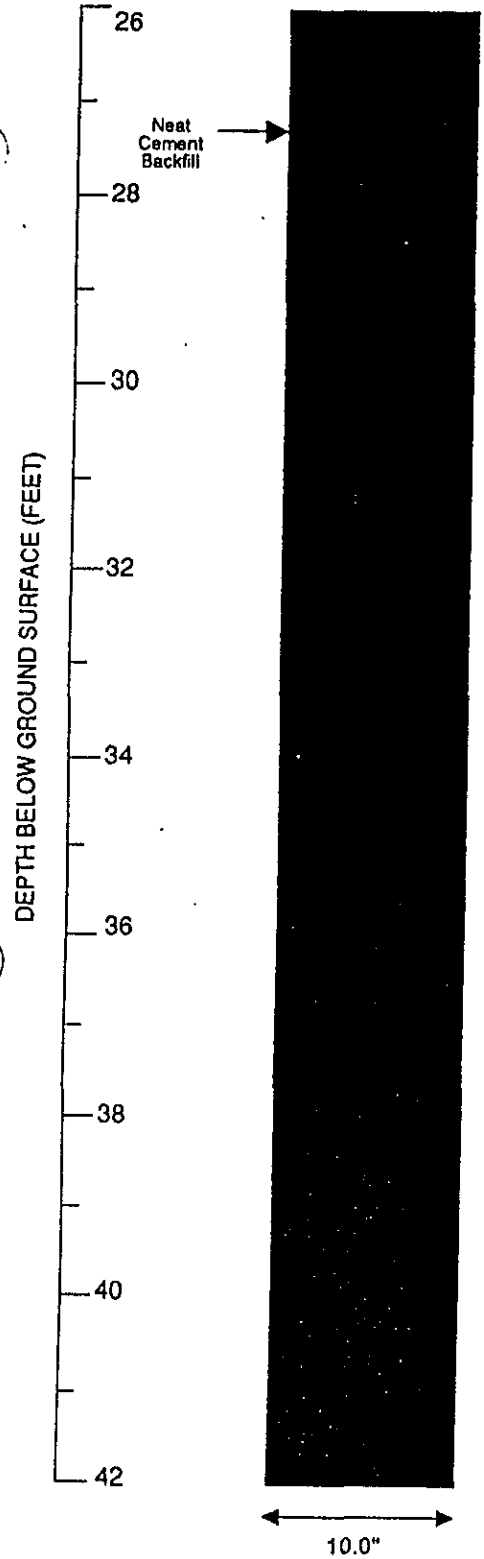
Boring Log and Well Completion Details
MW-3 (Boring 3)

San Antonio Pump Station
5555 Calaveras Road
Sunol, California

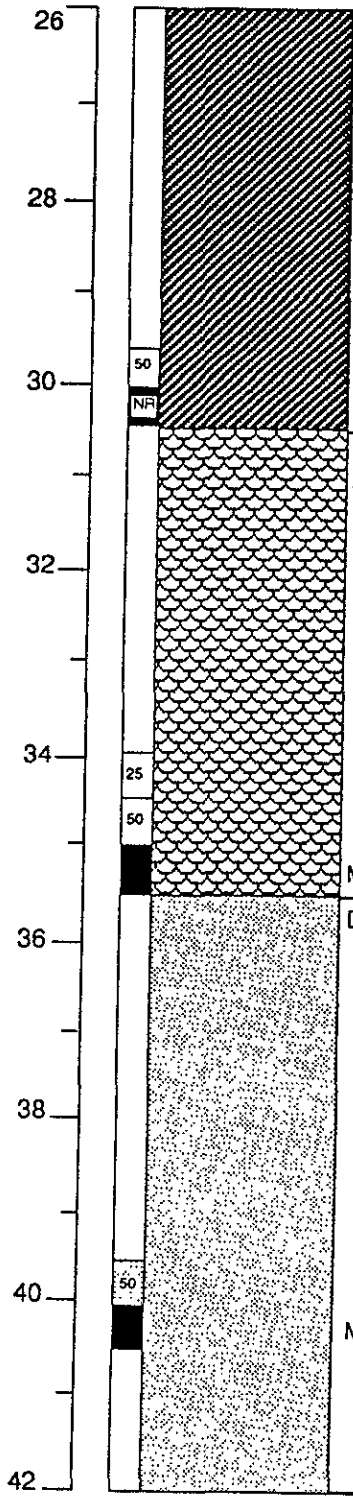
MONITOR WELL 3

ENVIRONMENTAL BIO-SYSTEMS, INC.
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02



GRAPHIC LOG



DESCRIPTION

Gray, silty mudstone with abundant gravels, poorly indurated.

0 recovery over 3 inches.

Hard, light gray, silty clay with pyrite/chalcopyrite, quartz and angular pebbles.

MW-3-35.0-35.5. 4.5" recovered

Dark brown/Gray siltstone, well indurated.

MW-3-40.0-40.5. 4 inches recovered.

Final Page

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

Boring Log and Well Completion Details
MW-3 (Boring 3)

San Antonio Pump Station
5555 Calaveras Road
Sunol, California

MONITOR WELL
3

ENVIRONMENTAL BIO-SYSTEMS, INC.
30028 INDUSTRIAL PARKWAY, SW, SUITE C, HAYWARD, CA 94544 TEL 510-429-9988

004-189-02

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS — MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		G W	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
				G P	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		G M	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				G C	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS — MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	CLEAN SAND (LITTLE OR NO FINES)		S W	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		S M	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS — LIQUID LIMIT LESS THAN 50			M L	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS — LIQUID LIMIT GREATER THAN 50			M H	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				C H	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

KEY TO LOG OF BORINGS

SAMPLES & BLOWCOUNTS

30 — HAMMER BLOWS PER FOOT OF PENETRATION

■ INDICATES UNDISTURBED SAMPLE

⊠ INDICATES DISTURBED SAMPLE

◪ STANDARD PENETRATION TEST SAMPLE

NR INDICATES NO RECOVERY

SAMPLES DRIVEN WITH A 140-POUND HAMMER DROPPING 30 INCHES

LABORATORY TESTS

AL	ATTERBERG LIMITS TEST
DSCU	DIRECT SHEAR TEST (Consolidated, Undrained)
CBR	CALIFORNIA BEARING RATIO TEST
COMP	COMPACTION TEST
CON	CONFINED COMPRESSION (Consolidation Test)
-200	PERCENT PASSING NO. 200 SIEVE (Test Results in Parentheses)

APPENDIX F

WELL CONSTRUCTION PERMITS

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE ♦ PLEASANTON, CALIFORNIA 94588 ♦ (510) 484-2600

2 June 1992

Environmental Bio-Systems, Inc.
30028 Industrial Parkway S.W., Suite C
Hayward, CA 94544

Gentlemen:

Enclosed is drilling permit 92274 for a monitoring well construction project at 5555 Calaveras Road near Sunol for Power Engineering Contractors.

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
Water Resources Engineer

- 6

WH:mm
Enc.

ZONE 7 WATER AGENCY

6997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600 FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT San Antonio Pumping Station
5665 Calaveras Road
Sunol, CA

CLIENT
Name Parker Engineering Contractors
Address 1225 North Santa Fe Phone (415) 964-9796
City Palo Alto Zip 94303-4312

APPLICANT
Name Envirogen Mental Bio-Systems, Inc
Address 30028 Industrial Parkway SW Suite C Phone (510) 489-9988
City Hayward Zip 94544

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE N/A

Domestic		Industrial		Other	
Municipal		Irrigation			

DRILLING METHOD:

Mud Rotary		Air Rotary		Auger	X
Cable		Other			

DRILLER'S LICENSE NO. 482088

WELL PROJECTS

Drill Hole Diameter	12 in.	Maximum Depth	30 ft.
Casing Diameter	4 in.	Number	3
Surface Seal Depth	15 ft.		

GEOTECHNICAL PROJECTS N/A

Number of Borings		Maximum Depth	ft.
Hole Diameter	in.		

ESTIMATED STARTING DATE 6/1/92
ESTIMATED COMPLETION DATE 6/2/92

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

APPLICANT'S SIGNATURE Timothy M Babcock Date 5/29/92

FOR OFFICE USE

PERMIT NUMBER 92274
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

(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.

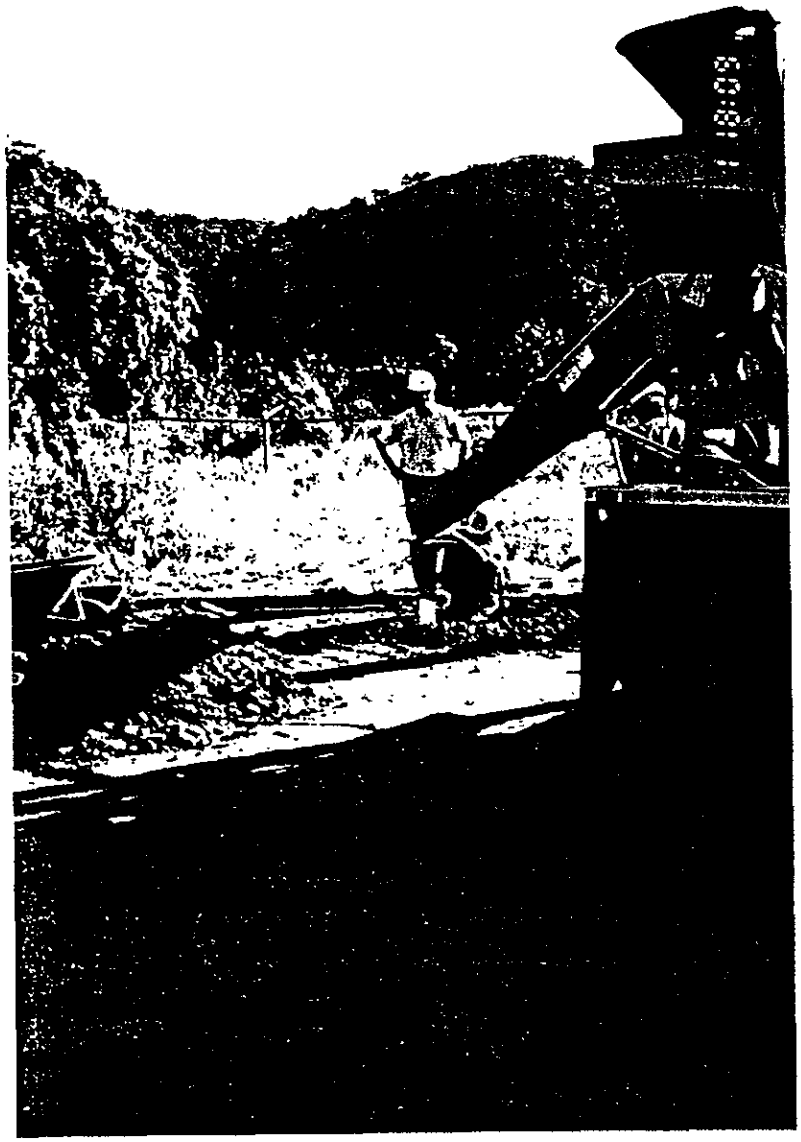
Approved Wyman Hong Date 1 Jun 92
Wyman Hong

31092

APPENDIX G

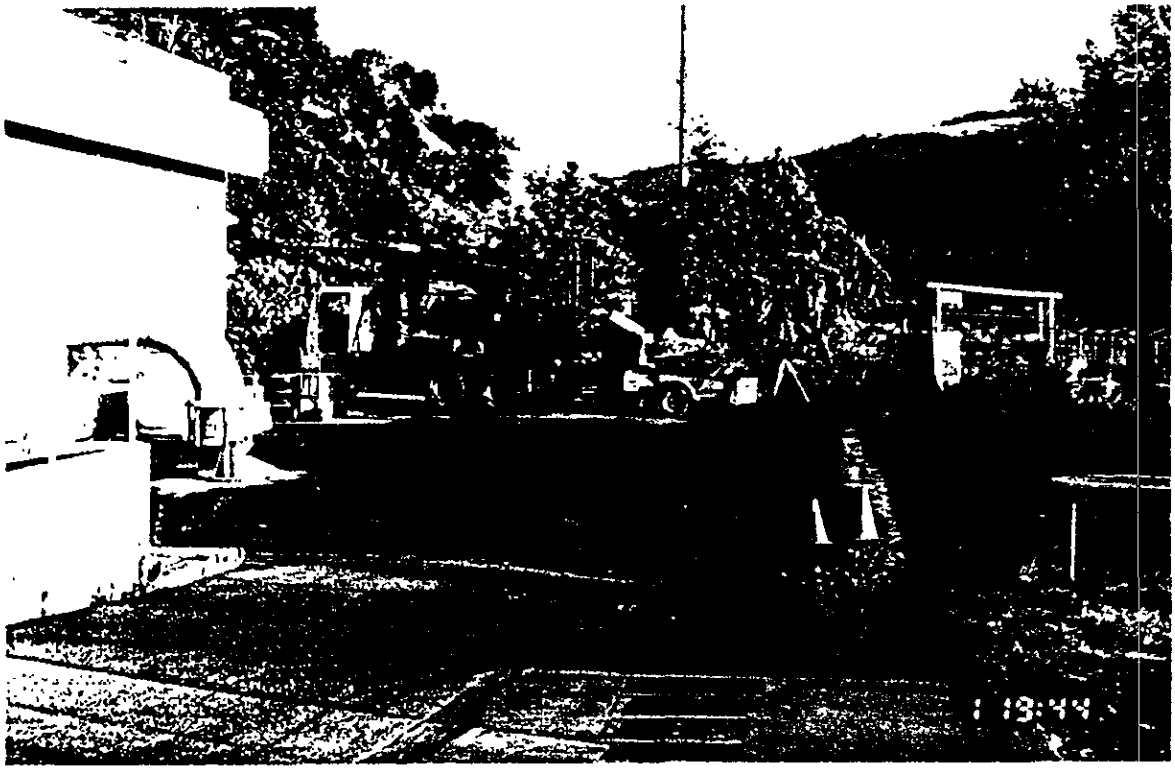
PHOTOGRAPHS OF DRILLING AND MONITORING WELL CONSTRUCTION

ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF DRILLING AND MONITORING WELL CONSTRUCTION SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA



ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF DRILLING AND MONITORING WELL CONSTRUCTION SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA

ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF DRILLING AND MONITORING WELL CONSTRUCTION SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA



ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment 30028 Industrial Pkwy. S.W. Suite C Hayward, CA 94544	DATE: 11/25/92 PHOTO BY: TMB	PHOTO PLATES OF DRILLING AND MONITORING WELL CONSTRUCTION SAN ANTONIO PUMP STATION 5555 CALAVERAS ROAD SUNOL, CA

APPENDIX H

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION FOR SOIL BORING SAMPLES

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206017
Date Received : 06/02/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206017- 5	MW2-20.5	SOIL	06/01/92	8270
9206017- 9	MW3-20.5	SOIL	06/01/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206017
Date Received : 06/02/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

[redacted]

[illegible signature] 6·16·92
Department Supervisor Date

[illegible signature] 6-16-92
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW2-20.5
Matrix : SOIL
Date Sampled : 6/ 1/92
Date Extracted : 6/ 5/92
Amount Extracted : 30.0 g
Date Analyzed : 6/10/92
Instrument ID : F3

Anametrix ID : 9206017-05
Analyst : MT
Supervisor : MH

Dilution Factor : 5.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	1700.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	1700.	ND	U
95-57-8	2-CHLOROPHENOL	1700.	ND	U
541-73-1	1,3-DICHLOROBENZENE	1700.	ND	U
106-46-7	1,4-DICHLOROBENZENE	1700.	ND	U
100-51-6	BENZYL ALCOHOL	1700.	ND	U
95-50-1	1,2-DICHLOROBENZENE	1700.	ND	U
95-48-7	2-METHYLPHENOL	1700.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1700.	ND	U
106-44-5	4-METHYLPHENOL	1700.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1700.	ND	U
67-72-1	HEXACHLOROETHANE	1700.	ND	U
98-95-3	NITROBENZENE	1700.	ND	U
78-59-1	ISOPHORONE	1700.	ND	U
88-75-5	2-NITROPHENOL	1700.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	1700.	ND	U
65-85-0	BENZOIC ACID	8300.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1700.	ND	U
120-83-2	2,4-DICHLOROPHENOL	1700.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	1700.	ND	U
91-20-3	NAPHTHALENE	1700.	ND	U
106-47-8	4-CHLOROANILINE	1700.	ND	U
87-68-3	HEXACHLOROBUTADIENE	1700.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	1700.	ND	U
91-57-6	2-METHYLNAPHTHALENE	1700.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	1700.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	1700.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	8300.	ND	U
91-58-7	2-CHLORONAPHTHALENE	1700.	ND	U
88-74-4	2-NITROANILINE	8300.	ND	U
131-11-3	DIMETHYLPHTHALATE	1700.	ND	U
208-96-8	ACENAPHTHYLENE	1700.	ND	U
606-20-2	2,6-DINITROTOLUENE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW2-20.5
Matrix : SOIL
Date Sampled : 6/ 1/92
Date Extracted : 6/ 5/92
Amount Extracted : 30.0 g
Date Analyzed : 6/10/92
Instrument ID : F3

Anametrix ID : 9206017-05
Analyst : MCT
Supervisor : MP

Dilution Factor : 5.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	8300.	ND	U
83-32-9	ACENAPHTHENE	1700.	ND	U
51-28-5	2,4-DINITROPHENOL	8300.	ND	U
100-02-7	4-NITROPHENOL	8300.	ND	U
132-64-9	DIBENZOFURAN	1700.	ND	U
121-14-2	2,4-DINITROTOLUENE	1700.	ND	U
84-66-2	DIETHYLPHTHALATE	1700.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	1700.	ND	U
86-73-7	FLUORENE	1700.	ND	U
100-01-6	4-NITROANILINE	8300.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	8300.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	1700.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	1700.	ND	U
118-74-1	HEXACHLOROBENZENE	1700.	ND	U
87-86-5	PENTACHLOROPHENOL	8300.	ND	U
85-01-8	PHENANTHRENE	1700.	ND	U
120-12-7	ANTHRACENE	1700.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	1700.	ND	U
206-44-0	FLUORANTHENE	1700.	ND	U
129-00-0	PYRENE	1700.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	1700.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	3300.	ND	U
56-55-3	BENZO(A)ANTHRACENE	1700.	ND	U
218-01-9	CHRYSENE	1700.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1700.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	1700.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	1700.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	1700.	ND	U
50-32-8	BENZO(A)PYRENE	1700.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	1700.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	1700.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	1700.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	1700.	ND	U
4165-61-1	ANILINE	1700.	ND	U
103-33-3	AZOBENZENE	1700.	ND	U
92-87-5	BENZIDINE	8300.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW3-20.5
Matrix : SOIL
Date Sampled : 6/ 1/92
Date Extracted : 6/ 5/92
Amount Extracted : 30.0 g
Date Analyzed : 6/ 9/92
Instrument ID : F3

Anametrix ID : 9206017-09
Analyst : MC
Supervisor : MM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	[redacted]	330.	[redacted]	J
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW3-20.5
Matrix : SOIL
Date Sampled : 6/ 1/92
Date Extracted : 6/ 5/92
Amount Extracted : 30.0 g
Date Analyzed : 6/ 9/92
Instrument ID : F3

Anametrix ID : 9206017-0
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	[redacted]	330.	130	J
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 6/ 5/92
Amount Extracted : 30.0 g
Date Analyzed : 6/ 8/92
Instrument ID : F3

Anametrix ID : BU0501B1
Analyst : MCT
Supervisor : MJ

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Extracted : 6/ 5/92
Amount Extracted : 30.0 g
Date Analyzed : 6/ 8/92
Instrument ID : F3

Anametrix ID : BU0501B1
Analyst : MCT
Supervisor : JM

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	110	J
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBENZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : SOLID

Anametrix ID : 9206017
Analyst : MT
Supervisor : UH

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	69	75	69	63	61	55	0
2	MW3-20.5	62	66	61	54	30	48	0
3	MW2-20.5	64	61	63	53	35	48	0
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(25-121)
SU2 = PHENOL-D5	(24-113)
SU3 = NITROBENZENE-D5	(23-120)
SU4 = 2-FLUOROBIPHENYL	(30-115)
SU5 = 2,4,6-TRIBROMOPHENOL	(19-122)
SU6 = TERPHENYL-D14	(18-137)

* Values outside of Anametrix QC limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206017
Date Received : 06/02/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206017- 5	MW2-20.5	SOIL	06/01/92	TPHd
9206017- 9	MW3-20.5	SOIL	06/01/92	TPHd
9206017- 5	MW2-20.5	SOIL	06/01/92	TPHg/BTEX
9206017- 9	MW3-20.5	SOIL	06/01/92	TPHg/BTEX

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206017
Date Received : 06/02/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

The identification reported as diesel for sample MW2-20.5 is primarily due to the presence of a heavier petroleum product, possibly motor oil.

Cheryl Balmer 6/10/92
Department Supervisor Date

Steve Sims 6/16/92
Chemist Date

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

Anametrix W.O.: 9206017
Matrix : SOIL
Date Sampled : 06/01/92

Project Number : 004-189-03
Date Released : 06/16/92

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# MW2-20.5 -01	Sample I.D.# MW3-20.5 -02	Sample I.D.# BU0901E2 BLANK
Benzene	0.005	ND	ND	ND
Toluene	0.005	ND	ND	ND
Ethylbenzene	0.005	ND	ND	ND
Total Xylenes	0.005	ND	ND	ND
TPH as Gasoline	0.5	ND	ND	ND
% Surrogate Recovery		74%	83%	127%
Instrument I.D.		HP21	HP21	HP21
Date Analyzed		06/09/92	06/09/92	06/09/92
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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Steve Jones 6/16/92
Analyst Date

Cheryl Balmer 6/16/92
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9206017
Matrix : SOIL
Date Sampled : 06/01/92
Date Extracted: 06/08/92

Project Number : 004-189-03
Date Released : 06/16/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9206017-05	MW2-20.5	06/10/92	20	370
9206017-09	MW3-20.5	06/09/92	10	ND
DSBL060892	METHOD BLANK	06/09/92	10	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3550.

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

Steve Jones 6/16/92
Analyst Date

Cheryl Beelman 6/16/92
Supervisor Date

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

MR. TIM BABCOCK
NVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206017
Date Received : 06/02/92
Project ID : 004-189-03
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206017- 5	MW2-20.5	SOIL	06/01/92	5520EF
9206017- 9	MW3-20.5	SOIL	06/01/92	5520EF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206017
Date Received : 06/02/92
Project ID : 004-189-03
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor — Date: 6.16.92

Chemist — Date: 06.16.92

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 004-189-03
Matrix : SOIL
Date sampled : 06/01/92
Date ext. TOG : 06/10/92
Date anl. TOG : 06/10/92

Anametrix I.D. : 9206017
Analyst : AR
Supervisor : CEB
Date released : 06/16/92

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9206017-05	MW2-20.5	30	5.0
9206017-09	MW3-20.5	30	2.0
GSBL061092	METHOD BLANK	30	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

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

TOTAL OIL AND GREASE MATRIX SPIKE REPORT
STANDARD METHOD 5520EF
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 004-189-03 MW2-20.5
Matrix : SOIL
Date sampled : 06/01/92
Date extracted : 06/10/92
Date analyzed : 06/10/92

Anametrix I.D. : 9206017-05
Analyst : APP.
Supervisor : [signature]
Date Released : 06/16/92

COMPOUND	SPIKE AMT. (mg/Kg)	MS (mg/Kg)	%REC MS	MSD (mg/Kg)	%REC MSD	%RPD	%REC LIMITS
Motor Oil	300	250	83%	270	90%	8%	48-114%

* Quality control limits established by Anametrix, Inc.

9206??17 ② 12:20

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ______ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS: Ref # 376

PROJECT NUMBER: 004-189-03
CLIENT: POWER ENGINEERING
SITE: SAN ANTONIO PUMP STATION
5555 CALAVERAS RD.
SUNOL, CA

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH-G + BTEX	TPH-D	5520 E,F	8270					TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
① MW-1, 14.5-15	SOIL	1		X	X	X	X					STANDARD	Cool	
② MW-2, 5.5-6	"	1										HOLD	↓	
③ MW-2, 10.5-11	"	1										"		
④ MW-2, 15.5-16	"	1		~~X~~	~~X~~	~~X~~	~~X~~					"		
⑤ MW-2, 20.5-21	"	1		X	X	X	X					STANDARD		
⑥ MW-3, 5.5-6	"	1										HOLD		
⑦ MW-3, 10.5-11	"	1										"		
⑧ MW-3, 15.5-16	"	1		~~X~~	~~X~~	~~X~~	~~X~~					"		
⑨ MW-3, 20.5-21	"	1		X	X	X	X					STANDARD		
⑩ MW-3, 25.5-26	"	1										HOLD	↓	

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	6/1/92		Dave [signature]

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Dave [signature]	6/1/92	19:55	[signature]	6/1/92	19:55
[signature]	6/2/92	10:30	Josephine DeCarli	6/2/92	10:30

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

APPENDIX I

WELL MONITORING FIELD LOG SHEETS

9206017 (2)

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION ________ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS: Ref 376

PROJECT NUMBER: C04-189-03
CLIENT: [illegible] ENGINEERING
SITE: [illegible] STATION
5555 CALAVERAS RD.
SUNOL, CA

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	TPH-G + BTEX	TPH-D	5520 E,F	8270				TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
~~MW-3, 30.5-31~~	~~SOIL~~	~~1~~											
(11) MW-3, 35.5-36	SOIL	1									HOLD	Cool	

SAMPLING COMPLETED — DATE: 6/1/92 TIME: 12:05 — SAMPLING PERFORMED BY: Dave [illegible]

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Dave [illegible]	6/1/92	1955	[illegible]	6/1/92	19:55
[illegible]	6/2/92	10:30	Josephine DeCarli	6/2/92	10:30

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment

GROUND WATER SAMPLE COLLECTION LOG FOR WELL No. MW1

Project Name: SAN ANTONIO PUMP STATION
Project No.: 004-189-02
Date and Time Collected: 6/11/92 2:19
Sample No.: MW1

Sample Collected by: D.SADOFF
Weather: CLEAR & WARM

EQUIPMENT

Purging Method/Equipment: BAILER
Sampling Method/ Equipment: DISPOSABLE BAILER

PURGING INFORMATION

Casing Diameter (A): 4" Unit Casing Volume (Gal/Linear Ft.) (B): .66
Total Depth to Well Bottom (C): 15.90 Depth to Water (D): 14.95
Length of Water Column in Casing (E) = (C) - (D) = 15.90 - 14.95 = 0.95
Casing Water Volume (F) = (B) × (E) = .66 × 0.95 = .62
Purged Well Volume (G) = (F) × 4 = 2.48
2"= 0.17 (Gal/Lin.Ft.); 3"= 0.38 (Gal/Lin.Ft.); 4"= 0.66 (Gal/Lin.Ft.); 6"= 1.50 (Gal/Lin.Ft.)

Volume	Temperature	Conductance (×100)	pH	Water Description	Time
0	64.0	1.33	7.99	SILTY	12:01
0.5	63.1	1.30	7.93	SILTY	12:04
1.0	62.5	1.32	7.91	SILTY	12:07
1.5	62.5	1.31	7.90	SILTY	12:09
2.0	62.5	1.32	7.90	SILTY	12:12
2.5	62.5	1.32	7.91	SILTY	12:14

COMMENTS:

DEPTH AT SAMPLING = 15.10

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment

GROUND WATER SAMPLE COLLECTION LOG FOR WELL No. MW2

Project Name: SAN ANTONIO PUMP STATION
Project No.: 004-189-02
Date and Time Collected: 6/11/92 2:01
Sample No.: MW2

Sample Collected by: D.SADOFF
Weather: CLEAR & WARM

EQUIPMENT

Purging Method/Equipment: BAILER
Sampling Method/ Equipment: DISPOSABLE BAILER

PURGING INFORMATION

Casing Diameter (A): 4" Unit Casing Volume (Gal/Linear Ft.) (B): .66
Total Depth to Well Bottom (C): 21.20 Depth to Water (D): 14.74
Length of Water Column in Casing (E) = (C) - (D) = 21.20 - 14.74 = 6.46
Casing Water Volume (F) = (B) × (E) = 6.46 × .66 = 4.26
Purged Well Volume (G) = (F) × 4 = 17.04
2"= 0.17 (Gal/Lin.Ft.); 3"= 0.38 (Gal/Lin.Ft.); 4"= 0.66 (Gal/Lin.Ft.); 6"= 1.50 (Gal/Lin.Ft.)

Volume	Temperature	Conductance (× 100)	pH	Water Description	Time
0	61.2	1.11	8.54	SILTY	12:57
2.5	61.3	1.16	8.50	SILTY	1:02
5.0	60.07	1.16	8.46	CLEARING	1:10
7.5	61.3	1.16	7.99	CLEARING	1:14
10.0	61.8	1.16	8.04	CLEARING	1:20
12.5	61.4	1.18	8.12	CLEARING	1:27
15.0	61.8	1.17	8.03	CLEARING	1:34

COMMENTS:

DEPTH AT SAMPLING = 14.79

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment

GROUND WATER SAMPLE COLLECTION LOG FOR WELL No. MW3

Project Name: SAN ANTONIO PUMP STATION
Project No.: 004-189-02
Date and Time Collected: 6/11/92 12:15
Sample No.: MW3

Sample Collected by: D.SADOFF
Weather: CLEAR & WARM

EQUIPMENT

Purging Method/Equipment: BAILER
Sampling Method/ Equipment: DISPOSABLE BAILER

PURGING INFORMATION

Casing Diameter (A): 4" Unit Casing Volume (Gal/Linear Ft.) (B): .66
Total Depth to Well Bottom (C): 21.22 Depth to Water (D): 15.43
Length of Water Column in Casing (E) = (C) - (D) = 21.22 - 15.43 = 5.79
Casing Water Volume (F) = (B) × (E) = .66 × 5.79 = 3.82
Purged Well Volume (G) = (F) × 4 = 15.2
2"= 0.17 (Gal/Lin.Ft.); 3"= 0.38 (Gal/Lin.Ft.); 4"= 0.66 (Gal/Lin.Ft.); 6"= 1.50 (Gal/Lin.Ft.)

Volume	Temperature	Conductance (× 100)	pH	Water Description	Time
0	64.0	1.89	6.51	FAIRLY/CLR	11:01
2.5	62.1	1.90	7.10	FAIRLY/CLR	11:07
5.0	61.2	1.87	7.27	FAIRLY/CLR	11:16
7.5	61.2	1.85	7.43	FAIRLY/CLR	11:24
10.0	61.6	1.85	7.52	FAIRLY/CLR	11:30
12.5	61.5	1.82	7.53	FAIRLY/CLR	11:38
15.0	61.6	1.82	7.52	FAIRLY/CLR	11:45

COMMENTS:

DEPTH AT SAMPLING ≈ 15.61

APPENDIX J

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION FOR MONITORING WELL WATER SAMPLES

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
20028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206189
Date Received : 06/11/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206189- 1	MW-1	WATER	06/11/92	8240
9206189- 2	MW-2	WATER	06/11/92	8240
9206189- 3	MW-3	WATER	06/11/92	8240
9206189- 4	T. BLANK	WATER	06/11/92	8240
9206189- 2	MW-2	WATER	06/11/92	8270
9206189- 3	MW-3	WATER	06/11/92	8270

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206189
Date Received : 06/11/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- Samples MW-2 and MW-3 were re-extracted outside of the EPA Method 8270 established hold time. The original extraction that was performed inside of hold time exhibited poor recoveries in the method blank. Due to this problem, both samples and the method blank were re-extracted. Howver, both the original extraction and the re-extraction yielded similiar results in the samples, so only the re-extractions are reported.

Department Supervisor 6.25.92 Date

Chemist 6-25-92 Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-1
Matrix : WATER
Date Sampled : 6/11/92
Date Analyzed : 6/24/92
Instrument ID : MSD1

Anametrix ID : 9206189-01
Analyst : LY
Supervisor : LM

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-2
Matrix : WATER
Date Sampled : 6/11/92
Date Analyzed : 6/24/92
Instrument ID : MSD1

Anametrix ID : 9206189-02
Analyst : LM
Supervisor : LM

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-3
Matrix : WATER
Date Sampled : 6/11/92
Date Analyzed : 6/24/92
Instrument ID : MSD1

Anametrix ID : 9206189-03
Analyst : LH
Supervisor : LH

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : [redacted] BLANK
Matrix : WATER
Date Sampled : 6/11/92
Date Analyzed : 6/24/92
Instrument ID : MSD1

Anametrix ID : 9206189-04
Analyst : [redacted]
Supervisor : [redacted]

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	[redacted]	[redacted]
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-18
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/24/92
Instrument ID : MSD1

Anametrix ID : BU2404A2
Analyst : LY
Supervisor : UM

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : LIQUID

Anametrix ID : 9206189
Analyst : LY
Supervisor : MM

	SAMPLE ID	SU1	SU2	SU3
1	BLANK	94	98	97
2	MW-1	93	97	97
3	MW-2	92	98	98
4	MW-3	96	98	97
5	T. BLANK	94	97	96
6	MW-2 MS	94	97	98
7	MW-2 MSD	97	98	98
8				
9				
10				
11				
12				
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	QC LIMITS
SU1 = 1,2-Dichloroethane-d4	(75-113)
SU2 = Toluene-d8	(83-110)
SU3 = 1,4-Bromofluorobenzene	(82-114)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-2
Matrix : WATER
Date Sampled : 6/11/92
Date Analyzed : 6/24/92
Instrument ID : MSD1

Anametrix ID : 9206189-02
Analyst : LY
Supervisor : UM

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	%REC LIMITS
1,1-Dichloroethene	50.	0.	48.	96	67-150
Benzene	50.	0.	50.	101	75-134
Trichloroethene	50.	0.	49.	97	69-136
Toluene	50.	0.	48.	96	78-130
Chlorobenzene	50.	0.	53.	106	85-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
1,1-Dichloroethene	50.	48.	96	0	25	67-150
Benzene	50.	51.	103	2	25	75-134
Trichloroethene	50.	48.	96	1	25	69-136
Toluene	50.	49.	98	2	25	78-130
Chlorobenzene	50.	55.	109	3	25	85-130

* Value is outside of Anametrix QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-2
Matrix : WATER
Date Sampled : 6/11/92
Date Extracted : 6/23/92
Amount Extracted : 980.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : 9206189-02
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	51.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	51.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	51.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-2
Matrix : WATER
Date Sampled : 6/11/92
Date Extracted : 6/23/92
Amount Extracted : 980.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : 9206189-02
Analyst : MET
Supervisor : MM

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	LIMIT	DETECTED	Q
99-09-2	3-NITROANILINE	51.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	51.	ND	U
100-02-7	4-NITROPHENOL	51.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	51.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	51.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	51.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	51.	ND	U

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-3
Matrix : WATER
Date Sampled : 6/11/92
Date Extracted : 6/23/92
Amount Extracted : 980.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : 9206189-03
Analyst : MCT
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	51.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	51.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	51.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-3
Matrix : WATER
Date Sampled : 6/11/92
Date Extracted : 6/23/92
Amount Extracted : 980.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : 9206189-03
Analyst : MCT
Supervisor : MH

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	51.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	51.	ND	U
100-02-7	4-NITROPHENOL	51.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	51.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	51.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	51.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	51.	ND	U

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : [redacted]
Sample ID : [redacted]
Matrix : [redacted]
Date Sampled : 0/ 0/ 0
Date Extracted : 6/23/92
Amount Extracted : 1000.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : BU2301B1
Analyst : MCT
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/23/92
Amount Extracted : 1000.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : BU2301B1
Analyst : MC
Supervisor : M

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	50.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	50.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : LIQUID

Anametrix ID : 9206189
Analyst : MCT
Supervisor : MM

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	35	35	81	67	44	69	0
2	MW-2	41	30	62	53	52	53	0
3	MW-3	39	30	69	67	52	45	0
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	QC LIMITS
SU1 = 2-FLUOROPHENOL	(21-100)
SU2 = PHENOL-D5	(10- 94)
SU3 = NITROBENZENE-D5	(35-114)
SU4 = 2-FLUOROBIPHENYL	(43-116)
SU5 = 2,4,6-TRIBROMOPHENOL	(10-123)
SU6 = TERPHENYL-D14	(33-141)

* Values outside of Anametrix QC limits

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
20028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206189
Date Received : 06/11/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206189- 2	MW-2	WATER	06/11/92	TPHd
9206189- 3	MW-3	WATER	06/11/92	TPHd
9206189- 1	MW-1	WATER	06/11/92	TPHg
9206189- 2	MW-2	WATER	06/11/92	TPHg
9206189- 3	MW-3	WATER	06/11/92	TPHg

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206189
Date Received : 06/11/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmer 6/24/92
Department Supervisor Date

Reggie Davison 6/24/92
Chemist Date

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

Anametrix W.O.: 9206189
Matrix : WATER
Date Sampled : 06/11/92

Project Number : 004-189-03
Date Released : 06/24/92

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# MW-1 -01	Sample I.D.# MW-2 -02	Sample I.D.# MW-3 -03	Sample I.D.# BU2001E2 BLANK
TPH as Gasoline	50	ND	ND	ND	ND
% Surrogate Recovery		101%	96%	93%	107%
Instrument I.D.		HP4	HP4	HP4	HP4
Date Analyzed		06/20/92	06/20/92	06/20/92	06/20/92
RLMF		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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Reggie Davison 6/24/92
Analyst Date

Cheryl Balmer 6/24/92
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9206189
Matrix : WATER
Date Sampled : 06/11/92
Date Extracted: 06/18/92

Project Number : 044-189-03
Date Released : 06/24/92
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9206189-02	MW-2	06/21/92	50	ND
9206189-03	MW-3	06/22/92	50	ND
DSBL061892	METHOD BLANK	06/21/92	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3510.

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

Reggie Davison 6/24/92
Analyst Date

Cheryl Balmer 6/24/92
Supervisor Date

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE
EPA METHOD 3510 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD SPIKE
Matrix : REAGENT WATER
Date Sampled : N/A
Date Extracted: 06/17/92
Date Analyzed : 06/22/92

Anametrix I.D. : SPK0617A
Analyst : RD
Supervisor : [illegible]
Date Released : 06/24/92
Instrument I.D.: HP23

COMPOUND	SPIKE AMT. (ug/L)	MS (ug/L)	%REC MS	MSD (ug/L)	%REC MSD	RPD	%REC LIMITS
Diesel	1250	1400	112%	1700	136%	19%	36-150

* Limits established by Anametrix, Inc.

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206189
Date Received : 06/11/92
Project ID : 004-189-03
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206189- 2	MW-2	WATER	06/11/92	5520BF
9206189- 3	MW-3	WATER	06/11/92	5520BF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206189
Date Received : 06/11/92
Project ID : 004-189-03
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor — Date: 6-24-92

Chemist — Date: 06-24-92

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project #	: 004-189-03	Anametrix I.D.	: 9206189
Matrix	: WATER	Analyst	: ARP
Date sampled	: 06/11/92	Supervisor	:
Date ext. TOG	: 06/18/92	Date released	: 06/24/92
Date anl. TOG	: 06/18/92		

Workorder #	Sample I.D.	Reporting Limit (mg/L)	Amount Found (mg/L)
9206189-02	MW-2	5	ND
9206189-03	MW-3	5	ND
GWBL061892	METHOD BLANK	5	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520BF.

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

TOTAL OIL AND GREASE LAB CONTROL SAMPLE REPORT
STANDARD METHOD 5520BF
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: LAB CONTROL SAMPLE	Anametrix I.D.	: SPK061892
Matrix	: WATER	Analyst	: AFF
Date sampled	: N/A	Supervisor	:
Date extracted	: 06/18/92	Date Released	: 06/24/92
Date analyzed	: 06/18/92		

COMPOUND	SPIKE AMT. (mg/L)	LCS (mg/L)	%REC LCS	LCSD (mg/L)	%REC LCSD	%RPD	%REC LIMITS
Motor Oil	50	33	66%	30	60%	10%	47-99%

* Quality control limits established by Anametrix, Inc.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

92-189

CHAIN OF CUSTODY

10/7 (15) (2) (1)

PROJECT NUMBER	004-189-03
CLIENT	~~AEGIS~~ POWER ENGINEERING
SITE	SAN ANTONIO PUMP STATION

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH-G	TPH-D	5520	8240	8270				TURNAROUND	SAMPLE CONDITION	LAB SAMPLE #
(1)	MW-1	H_2O	~~6~~ 6		X			X					STANDARD	Cool	
(2)	MW-2	"	12		X	X	X	X	X				"	↓	
(3)	MW-3	"	12		X	X	X	X	X				"	↓	
														↓	
(4)	TRIP BLANK	"	3					X					"	↓	

SAMPLING COMPLETED	DATE 6/11/92	TIME 15:00	SAMPLING PERFORMED BY	Dave Sadoff			
RELEASED BY	Dave Sadoff	DATE 6/11/92	TIME 16:05	RECEIVED BY	Josephine DeCarli	DATE 6/11/92	TIME 16:05
RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME
RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME
SHIPPED VIA		DATE SENT	TIME SENT	COOLER #			

ANAMETRIX REPORT DESCRIPTION
GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anametrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anametrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anametrix uses several data qualifiers (Q) in it's report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. DAVE SADOFF
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206208
Date Received : 06/12/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206208- 1	[redacted]	WATER	06/12/92	[redacted]

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

MR. DAVE SADOFF
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206208
Date Received : 06/12/92
Project ID : 004-189-03
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

Due to unacceptable surrogate recoveries in the method blank, sample MW-1 and the associated method blank were re-extracted. The [redacted] collection occurred outside the EPA Method 8270 established hold [redacted]. The original extraction of the sample was within hold time and exhibited similiar surrogate recoveries to the re-extracted sample. In view of this, only the re-extracted sample data is submitted.

Department Supervisor — Date: 6.26.92

Chemist — Date: 26 June 92

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-1
Matrix : WATER
Date Sampled : 6/11/92
Date Extracted : 6/23/92
Amount Extracted : 980.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : 9206208-01
Analyst : CF
Supervisor : M

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	51.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	51.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	10.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Sample ID : MW-1
Matrix : WATER
Date Sampled : 6/11/92
Date Extracted : 6/23/92
Amount Extracted : 980.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : 9206208-01
Analyst : CF
Supervisor : [illegible]

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	51.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	51.	ND	U
100-02-7	4-NITROPHENOL	51.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	51.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	51.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	51.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	51.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/23/92
Amount Extracted : 1000.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : BU2301B1
Analyst : CF.
Supervisor : UM

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL)ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/23/92
Amount Extracted : 1000.0 mL
Date Analyzed : 6/25/92
Instrument ID : F2

Anametrix ID : BU2301B1
Analyst : CF
Supervisor : UH

Dilution Factor : 1.00
Conc. Units : ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	50.	ND	U
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A)ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B)FLUORANTHENE	10.	ND	U
207-08-9	BENZO(K)FLUORANTHENE	10.	ND	U
50-32-8	BENZO(A)PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	50.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 004-189-
Matrix : LIQUID

Anametrix ID : 9206208
Analyst : CF.
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
1	BLANK	35	35	81	67	44	69	0
4	MW-1	50	40	64	61	64	55	0
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
SU1 = 2-FLUOROPHENOL	(21-100)
SU2 = PHENOL-D5	(10- 94)
SU3 = NITROBENZENE-D5	(35-114)
SU4 = 2-FLUOROBIPHENYL	(43-116)
SU5 = 2,4,6-TRIBROMOPHENOL	(10-123)
SU6 = TERPHENYL-D14	(33-141)

* Values outside of Anametrix QC limits

9206208 (10/8) CK 1.30

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHA. OF CUSTODY

PROJECT NUMBER: 004-189-03
CLIENT: POWER ENGINEERING
SITE: SAN ANTONIO PUMP STATION

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: 8270	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
MW-1	H_2O	2	X	X	NORMAL	ok	

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	6/12/92	10:45	DAVE SADOFF

	DATE	TIME		DATE	TIME
RELEASED BY	6/12/92	13:10	RECEIVED BY: Colin Nolan	6-12-92	13:10
RELEASED BY			RECEIVED BY		
RELEASED BY			RECEIVED BY		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
0028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206278
Date Received : 06/17/92
Project ID : 004-189-003
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206278- 1	MW-1	WATER	06/16/92	TPHd

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206278
Date Received : 06/17/92
Project ID : 004-189-003
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for this sample.

Department Supervisor — Date 6/30/92

Chemist — Date 6/30/92

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9206278
Matrix : WATER
Date Sampled : 06/16/92
Date Extracted: 06/23/92

Project Number : 044-189-003
Date Released : 06/30/92
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9206278-01	MW-1	06/25/92	50	ND
DWBL062392	METHOD BLANK	06/25/92	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3510.

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

Analyst 6/30/92 Date

Supervisor 6/30/92 Date

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE
EPA METHOD 3510 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD SPIKE
Matrix : REAGENT WATER
Date Sampled : N/A
Date Extracted: 06/23/92
Date Analyzed : 06/25/92

Anametrix I.D. : LCS0623A
Analyst : LS
Supervisor : CM
Date Released : 06/30/92
Instrument I.D.: HP09

COMPOUND	SPIKE AMT. (ug/L)	LCS (ug/L)	%REC	LCS (ug/L)	%REC	RPD	%REC LIMITS
Diesel	1250	540	43%	650	52%	18%	36-150

* Limits established by Anametrix, Inc.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

PROJECT NUMBER: 004-189-003
CLIENT: POWER ENGINEERING
SITE: PUMP STATION

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: TPH-G	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
(1) MW-1	H_2O	2	X	X	STANDARD		

SAMPLING COMPLETED — DATE: 6/16/92 — TIME: 13:07 — SAMPLING PERFORMED BY: DAVE SHOFF

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Dave Shoff	6/16/92	17:00	[signature]	6/16/92	17:00
[signature]	6/17/92	17:00	[signature]	6/17/91	17:00
[signature]	6/17/92	18:05	Michele D. Aguilar	6/17/92	18:05

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206305
Date Received : 06/19/92
Project ID : 004-189-003
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206305- 1	MW-1	WATER	06/18/92	5520BF

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

MR. TIM BABCOCK
ENVIRONMENTAL BIO-SYSTEMS
30028 INDUSTRIAL PARKWAY.S.W., SUITE C
HAYWARD, CA 94544

Workorder # : 9206305
Date Received : 06/19/92
Project ID : 004-189-003
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

6-25-92
Department Supervisor Date

06-25-92
Chemist Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project #	: 004-189-003	Anametrix I.D.	: 9206305
Matrix	: WATER	Analyst	:
Date sampled	: 06/18/92	Supervisor	:
Date ext. TOG	: 06/24/92	Date released	: 06/25/92
Date anl. TOG	: 06/24/92		

Workorder #	Sample I.D.	Reporting Limit (mg/L)	Amount Found (mg/L)
9206305-01	MW-1	5	ND
GWBL062492	METHOD BLANK	5	ND

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520BF.

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

TOTAL OIL AND GREASE LAB CONTROL SAMPLE REPORT
STANDARD METHOD 5520BF
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: LAB CONTROL SAMPLE	Anametrix I.D.	: LCSW0624
Matrix	: WATER	Analyst	:
Date sampled	: N/A	Supervisor	:
Date extracted	: 06/24/92	Date Released	: 06/25/92
Date analyzed	: 06/24/92		

COMPOUND	SPIKE AMT. (mg/L)	LCS (mg/L)	%REC LCS	LCSD (mg/L)	%REC LCSD	%RPD	%REC LIMITS
Motor Oil	50	34	68%	36	72%	6%	47-99%

* Quality control limits established by Anametrix, Inc.

ENVIRONMENTAL BIO-SYSTEMS, INC.
Innovative Solutions for a Better Environment
30028 Industrial Pkwy., S.W.
Suite C
Hayward, CA 94544

CHAIN OF CUSTODY

9206305

10/19

PROJECT NUMBER: 004-189-003

CLIENT: ROWER ENGINEERING

SITE: SAN ANTONIO PUMP STATION

ALL SAMPLES TO BE ANALYZED USING METHODS AND DETECTION LIMITS ESTABLISHED BY REGION _____ OF THE STATE WATER RESOURCES CONTROL BOARD.

INSTRUCTIONS:

	SAMPLE I.D.	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYSIS: 706/5520 B,F	TURNAROUND	SAMPLE CONDITION	LAB SAMPLE#
(1)	MW1	H2O	2	X		ONE WEEK		

SAMPLING COMPLETED: DATE 6/18/92 TIME 1515 SAMPLING PERFORMED BY DAVE SADOFF

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Dave Sadoff	6/19/92	10:30	Bonny L. Canizoso	6/19/92	1030
Bonny L. Canizoso	6/19/92	1105		6-19-92	11:05

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

APPENDIX K

LIQUIDS DISPOSAL RECEIPT

ALLIED OIL & PUMPING

P.O. Box 32128
SAN JOSE, CA 95152
(408) 432-0333
E.P.A. CAT000014277

004-189-03

Manifest # 915 47451

CUSTOMER'S ORDER NO.	PHONE	DATE
		6-2-92

NAME Environmental Bio Systems

ADDRESS 30028 Industrial Pkwy SW
Hayward Ca. 94544 STEC

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
			X			

QTY.	DESCRIPTION	PRICE	AMOUNT
55	Gal Water		[redacted]
2	hrs.		[redacted]
	Ship To: Refineries Service		
	13331 North Highway 33		[redacted]
	Patterson, CA 95363		
	E.P.A. CAD083166728		
	Accounts over 30 days will be charged 1½% per month.		
		TAX	
		TOTAL	

POSTED 6/1/92

RECEIVED BY

11673

All claims and returned goods MUST be accompanied by this bill.

Thank You

APPENDIX L

WELL ELEVATIONS AND SURVEY DATA

HMH, Incorporated
Civil Engineers • Planners • Surveyors

Kenneth H. Hankins, R.C.E.
Edwin J. Miller, R.C.E.
James T. Harper
John E. Eastus, R.C.E.
William J. Wagner, R.C.E.

June 15, 1992
Job No. 2132-00-00
Sheet 1 of 1

WELL ELEVATIONS
SAN ANTONIO PUMPING STATION
5555 CALAVERAS ROAD
SUNOL, CALIFORNIA

WELL DESIGNATION	ELEVATION	REMARK
MW-1	289.86	Top North Rim Christy Box
	289.50	Top P.V.C. Casing
MW-2	289.50	Top North Rim Christy Box
	288.98	Top P.V.C. Casing
MW-3	290.22	Top North Rim Christy Box
	289.74	Top P.V.C. Casing

Bench Mark:

Brass disk stamped "San Francisco Water Dept." on top of concrete vault W-20.

Elevation: 292.89 M.S.L.

WELLS/SMM:cs/2132-00.WEL

1353 Oakland Road P.O. Box 611510, San Jose, CA 95161-1510 408/294-3232 Fax: 408/298-3812

HMH, INCORPORATED
Civil Engineers
Planners • Surveyors

JOB

SHEET NO. 1 OF 1

CALCULATED BY SM DATE 6-9-92

CHECKED BY DATE

SCALE