

2082

92 JUL 21 11:56

THIS IS TO INFORM YOU THAT WE WILL BE DOING AN UNDERGROUND STORAGE TANK
TIGHTNESS TEST AT THE FOLLOWING LOCATION:

COUNTY Alameda

SITE NAME EDAN HOSPITAL

ADDRESS 20103 LAKE CHABOT RD.
CASTRO VALLEY CA

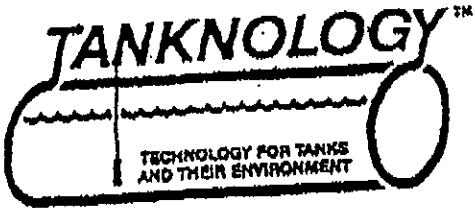
DATE OF TEST 8-6-92

TIME OF TEST 8 Am

NUMBER OF TANKS 1

IF YOU HAVE ANY QUESTIONS PLEASE CALL (707) 446-2494.





TELECOPY TRANSMITTAL COVER SHEET

Date 7/31/92
Reference No. _____

| | |
|---|---|
| TO: FAX No. <u>510-569-4757</u> <u>ALAMEDA COUNTY</u> Company: <u>HEALTH DEPT</u> Attn: <u>ARIU LEVI</u> | FROM: TANKNOLOGY CORPORATION INTERNATIONAL 4960-F Allison Parkway Vacaville, CA 95688 FAX (707) 446-2495 TELEPHONE (707) 446-2494 Sender: <u>KAREN</u> |
|---|---|

Total pages including this page 2 for problems call 707 446-2494

Notes: NOTIFICATION of Underground
Storage TANK Tightness Testing

Multiple horizontal lines provided for additional notes or comments.

If there are any difficulties in receiving this transmission,
please contact us at 707-446-2494.

TANKNOLOGY CORPORATION INTERNATIONAL
Western Region • 4960-F Allison Parkway • Vacaville, CA 95688



TABLE 2
East Bay Municipal Utility District
Soil Sample Analyses
Site: Harrington Street
Survey Date: July 17, 1992

| SAMPLE NO. | SAMPLE LOCATION | BENZENE | TOLUENE | ETHYL BENZENE | TOTAL XYLENES |
|------------|-------------------|---------|---------|---------------|---------------|
| 1 | East Trench | 13* | 78* | 37 | 240* |
| 2 | Center Trench | 21* | 120* | 35 | 190* |
| 3 | West Trench | 1.4* | 6.7 | 2.9 | 16 |
| 4 | South Spoils-pile | 0.010 | N/D | N/D | N/D |
| 5 | East Spoils-pile | N/D | N/D | N/D | 0.028 |
| 6 | West Spoils-pile | N/D | N/D | N/D | N/D |

N/D indicates "none detected."

Reporting result "mg/kg."

** Indicates that samples have possibly exceeded RWQCB guidelines.*

TABLE 1
East Bay Municipal Utility District
Soil Sample Analyses
Site: Harrington Street
Survey Date: July 17, 1992

| SAMPLE NO. | SAMPLE LOCATION | TOTAL HYDROCARBONS | TOTAL LEAD |
|------------|-------------------|--------------------|------------|
| 1 | East Trench | 1600* | 3.1 |
| 2 | Center Trench | 1100* | 2.8 |
| 3 | West Trench | 120 | 3.9 |
| 4 | South Spoils-pile | N/D | 16* |
| 5 | East Spoils-pile | 2.1 | 12* |
| 6 | West Spoils-pile | N/D | 5.3* |

N/D indicates "none detected."

Reporting result "mg/kg."

** indicates possible hazardous waste levels.*

A waste exhibits the characteristics of toxicity if representative samples of the waste contain a substance listed, as determined by the Waste Extraction Test (WET), which equals or exceeds its listed soluble threshold limit concentration (STLC); (A) Table II - List of Inorganic Persistent and Bioaccumulative Toxic Substances and Their STLC and Total Threshold Limit Concentration (TTLC) Values.

The STLC (as listed in Title 22) for lead and/or lead compounds is 5.0 mg/l. As shown in Table 1, the STLC level for lead is apparently exceeded by all the spoils-pile samples. Levels greater than the STLC but lower than the TTLC usually require additional analyses to confirm actual concentrations.

In contrast, however, the trench samples (see Table 2) show high levels of volatile organic compounds, above the cleanup standards as established by the Regional Water Quality Control Board (RWQCB), but low levels of lead. Using the RWQCB guidelines, benzene levels at the Harrington Street site are greater than acceptable cleanup levels in four of the samples. Total hydrocarbons, toluene and xylenes are also exceeded in two samples.

CONCLUSIONS

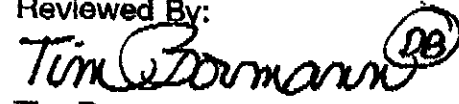
From J.M. Cohen's interpretations of the analyses conducted, it is indicated that the Harrington Street site does have contaminated soil within the trench and the spoils-pile, which may be considered a hazardous waste.

In speculation of why there are lower levels of volatile organic compounds in the spoils-pile, this may be either indicative of the surface sample characteristics, that is, the samples represent portions of the trench excavation located above the contaminated portion of the soil or evaporation may have occurred in the spoils-pile while it has been uncovered.

Prepared By:


Roni J. Swan
J.M. Cohen, Inc.

Reviewed By:


Tim Bormann, CIH
J.M. Cohen, Inc.

SITE DESCRIPTION

The site is located at 2069 Harrington Street. A fuel line from a local refinery (no longer used) is located under the street in front of this residence and runs through the residential area.

Complaints about a chlorine taste in the drinking water were placed by the resident at this address. When the drinking water was tested by East Bay Municipal Utility District, levels of benzene were detected.

Samples were collected by J.M. Cohen, Inc. from within a trench, approximately 6 feet long by 4 feet wide, which had been dug by East Bay Municipal Utility District. A metal plate was removed by representatives of East Bay Municipal Utility District, prior to sampling, and it was noticed that groundwater had accumulated within the trench.

Three surface soil samples were taken from 4 to 8 inches deep from the bottom of the trench using brass tubes as sample collection media. These samples were taken at both the east and west-end of the trench, as well as at the center.

In addition, three samples were taken from the spoils-pile. The spoils-pile consists of excavated soil that was removed from the trench at the Harrington site on July 7, 1992, according to East Bay Municipal Utility District. The spoils-pile samples were taken approximately 6 inches under the surface of the soil at the south, east and west-ends of the pile.

STANDARDS/ FINDINGS

In Title 22, California Code of Regulations (CCR), Article 2, Section 66261.10, a hazardous waste is defined as (a) causing, or significantly contributing to, an increase in mortality or an increase in serious irreversible, illness, or (b) posing a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed. According to Title 22, characteristics of a hazardous waste (i.e., ignitability, corrosivity, reactivity or toxicity) may be measured by an available standardized test method which is reasonably within the capability of generators of waste, or private sector laboratories that are state certified. The hazardous waste characteristics may also be reasonably detected by generators of waste through their knowledge of their waste.



Environmental
& Occupational
Health Services

**SOIL SAMPLE COLLECTION AND ANALYSES
SURVEY REPORT
FOR
EAST BAY MUNICIPAL UTILITY DISTRICT
OAKLAND, CALIFORNIA**

**SURVEY DATE: JULY 17, 1992
REPORT DATE: JULY 27, 1992**

On July 17, 1992, Roni Swan, MS, of J.M. Cohen, Inc., met with representatives of the East Bay Municipal Utility District to conduct soil sample collection for analyses at the Harrington Street site in Oakland, California. The purpose of the survey was to analyze the site for surface-soil contamination and to collect samples of suspect soil for laboratory analysis. Analyses was completed for presence of benzene, toluene, ethyl benzene, xylenes (BTEX) and lead, as well as total hydrocarbons. The information obtained will be used to determine if soil contamination exists at the Harrington Street site.

LIMITATIONS

The findings, conclusions, and recommendations in this report are based on information received by J. M. Cohen, Inc. and circumstances occurring at the time and on the date the survey was performed. As with the results of any environmental sampling procedure, the findings are limited by the number of samples taken and the accuracy and precision of the sampling and analytical methodologies employed, in this case the appropriate methods recommended by the Environmental Protection Agency (EPA).

J.M. Cohen, Inc. has prepared this report for the exclusive use of East Bay Municipal Utility District for this particular project. The work was performed within the limitations set forth in the Agreement as to the degree of care, amount of time and expense, and any other limitations contained in the Agreement. No other representation, warranty or guarantee, expressed or implied, is included or intended in this report.



Environmental
& Occupational
Health Services

**SOIL SAMPLE COLLECTION AND ANALYSES
SURVEY REPORT**

FOR

**East Bay Municipal Utility District
Oakland, California**

Survey Date: July 17, 1992

Report Date: July 27, 1992

Prepared for: Jerry Gordon
East Bay Municipal Utility District

Prepared by: Roni Swan, MS
J.M. Cohen, Inc.

Approved by: Tim Bormann, CIH
J.M. Cohen, Inc.



Environmental
& Occupational
Health Services

RECEIVED
JUL 29 1992
OCCUPATIONAL HEALTH & SAFETY

July 27, 1992

Mr. Jerry Gordon
East Bay Municipal Utility District
P.O. Box 24055
Oakland, CA 94623-1055

Re: Surface Soil Samples and Analyses at Harrington Street, Oakland

Dear Mr. Gordon:

Attached is our report for the soil sample collection and analyses survey conducted at Harrington Street in Oakland, California. Please call if you have any questions regarding the report.

Sincerely,

A handwritten signature in black ink, appearing to read "Roni Swan", written in a cursive style.

Roni Swan, MS
J.M. Cohen, Inc.

RS DAEBMSOIL

| | | | | | |
|-----------|------|-------------------------------|---|---------------|------|
| 920707160 | V032 | VINYL CHLORIDE | < | 100.000000 | ug/L |
| 920707160 | V033 | ACETONE | < | 1000.000000 | ug/L |
| 920707160 | V034 | DIBROMOCHLOROPROPANE | < | 100.000000 | ug/L |
| 920707160 | V035 | ETHYLENE DIBROMIDE | < | 90.000000 | ug/L |
| 920707160 | V036 | METHYLETHYL KETONE | < | 1000.000000 | ug/L |
| 920707160 | V037 | METHYL ISOBUTYL KETONE | < | 200.000000 | ug/L |
| 920707160 | V038 | STYRENE | < | 80.000000 | ug/L |
| 920707160 | V039 | TETRAHYDROFURAN | < | 2000.000000 | ug/L |
| 920707160 | V040 | FREDN 113 | < | 80.000000 | ug/L |
| 920707160 | V044 | SATURATED HYDROCARBONS | - | 130000.000000 | ug/L |
| 920707160 | V045 | UNSATURATED HYDROCARBONS | < | 2000.000000 | ug/L |
| 920707160 | V046 | AROMATIC HYDROCARBONS | - | 320000.000000 | ug/L |
| 920707160 | V047 | XYLENES | - | 16900.000000 | ug/L |
| 920707160 | V048 | 1,2,4-TRICHLOROBENZENE | < | 80.000000 | ug/L |
| 920707160 | V049 | FLUOROTRICHLOROMETHANE | < | 80.000000 | ug/L |
| 920707160 | V050 | DICHLORODIFLUOROMETHANE | < | 80.000000 | ug/L |
| 920707160 | V051 | M-CHLOROTOLUENE | < | 70.000000 | ug/L |
| 920707160 | V052 | DIBROMOMETHANE | < | 90.000000 | ug/L |
| 920707160 | V053 | 1,3-DICHLOROPROPANE | < | 100.000000 | ug/L |
| 920707160 | V054 | BROMOCHLOROMETHANE | < | 50.000000 | ug/L |
| 920707160 | V055 | 1,2,3-TRICHLOROPROPANE | < | 100.000000 | ug/L |
| 920707160 | V056 | 1,2,3-TRICHLOROBENZENE | < | 80.000000 | ug/L |
| 920707160 | V057 | N-PROPYLBENZENE | < | 210.000000 | ug/L |
| 920707160 | V058 | 1,1,1,2-TETRACHLOROETHANE | < | 70.000000 | ug/L |
| 920707160 | V059 | PENTACHLOROETHANE | < | 100.000000 | ug/L |
| 920707160 | V060 | BIS (2-CHLOROISOPROPYL) ETHER | < | 300.000000 | ug/L |
| 920707160 | V061 | SEC-DICHLOROPROPANE | < | 100.000000 | ug/L |
| 920707160 | V062 | 1,2,4-TRIMETHYLBENZENE | - | 2600.000000 | ug/L |
| 920707160 | V063 | N-BUTYLBENZENE | - | 140.000000 | ug/L |
| 920707160 | V064 | NAPHTHALENE | - | 390.000000 | ug/L |
| 920707160 | V065 | HEXACHLOROBUTADIENE | < | 80.000000 | ug/L |
| 920707160 | V066 | P-CHLOROTOLUENE | < | 80.000000 | ug/L |
| 920707160 | V067 | 1,3,5-TRIMETHYLBENZENE | - | 660.000000 | ug/L |
| 920707160 | V068 | P-ISOPROPYLTOLUENE | < | 100.000000 | ug/L |
| 920707160 | V069 | 1,1-DICHLOROPROPANE | < | 100.000000 | ug/L |
| 920707160 | V070 | ISOPROPYLBENZENE | < | 100.000000 | ug/L |
| 920707160 | V071 | TERT-BUTYLBENZENE | < | 100.000000 | ug/L |
| 920707160 | V072 | SEC-BUTYLBENZENE | < | 100.000000 | ug/L |
| 920707160 | V073 | BROMOBENZENE | < | 90.000000 | ug/L |
| 920707160 | V074 | CIS-1,2-DICHLOROETHENE | < | 60.000000 | ug/L |
| 920707160 | V075 | O-CHLOROTOLUENE | < | 60.000000 | ug/L |
| 920707160 | V076 | CARBON DISULFIDE | < | 100.000000 | ug/L |
| 920707160 | V077 | 1,1-DICHLOROPROPENE | < | 70.000000 | ug/L |
| 920707160 | V078 | ETHYL ACETATE | < | 100.000000 | ug/L |
| 920707160 | V080 | 2-HEXANONE | < | 100.000000 | ug/L |
| 920707160 | V082 | VINYL ACETATE | < | 100.000000 | ug/L |
| 920707160 | V083 | 1,3-BUTADIENE | < | 100.000000 | ug/L |
| 920707160 | V084 | 1,4-DIOXANE | < | 100000.000000 | ug/L |

|920708228 CONCOM Consumer Complaint 2088 HARRINGTON

| | | | | | |
|-----------|------|----------------------------|---|----------|------|
| 920708228 | +624 | VOLATILE ORGANICS | | 1.000000 | DLF |
| 920708228 | V001 | ACROLEIN | < | 5.000000 | ug/L |
| 920708228 | V002 | ACRYLONITRILE | < | 5.000000 | ug/L |
| 920708228 | V003 | BENZENE | < | 0.500000 | ug/L |
| 920708228 | V004 | BROMODICHLOROMETHANE-GC/MS | | 3.000000 | ug/L |
| 920708228 | V005 | BROMOFORM-GC/MS | < | 0.500000 | ug/L |
| 920708228 | V006 | BROMOMETHANE | < | 1.000000 | ug/L |
| 920708228 | V007 | CARBON TETRACHLORIDE | < | 0.800000 | ug/L |
| 920708228 | V008 | CHLOROBENZENE | < | 0.900000 | ug/L |
| 920708228 | V009 | CHLOROETHANE | < | 0.800000 | ug/L |

| | | | | | |
|-----------|--------|--|---|-------------|------|
| 920706233 | V057 | N-PROPYLBENZENE | | 22.000000 | ug/L |
| 920706233 | V058 | 1,1,1,2-TETRACHLOROETHANE | < | 0.700000 | ug/L |
| 920706233 | V059 | PENTACHLOROETHANE | < | 1.000000 | ug/L |
| 920706233 | V060 | BIS (2-CHLOROISOPROPYL) ETHER | < | 3.000000 | ug/L |
| 920706233 | V061 | SEC-DICHLOROPROPANE | < | 1.000000 | ug/L |
| 920706233 | V062 | 1,2,4-TRIMETHYLBENZENE | - | 310.000000 | ug/L |
| 920706233 | V063 | N-BUTYLBENZENE | | 5.800000 | ug/L |
| 920706233 | V064 | NAPHTHALENE | - | 43.000000 | ug/L |
| 920706233 | V065 | HEXACHLOROBUTADIENE | < | 0.800000 | ug/L |
| 920706233 | V066 | P-CHLOROTOLUENE | < | 0.800000 | ug/L |
| 920706233 | V067 | 1,3,5-TRIMETHYLBENZENE | - | 76.000000 | ug/L |
| 920706233 | V068 | P-ISOPROPYLTOLUENE | < | 1.000000 | ug/L |
| 920706233 | V069 | 1,1-DICHLOROPROPANE | < | 1.000000 | ug/L |
| 920706233 | V070 | ISOPROPYLBENZENE | - | 9.800000 | ug/L |
| 920706233 | V071 | TERT-BUTYLBENZENE | < | 1.000000 | ug/L |
| 920706233 | V072 | SEC-BUTYLBENZENE | < | 1.000000 | ug/L |
| 920706233 | V073 | BROMOBENZENE | < | 0.900000 | ug/L |
| 920706233 | V074 | CIS-1,2-DICHLOROETHENE | < | 0.600000 | ug/L |
| 920706233 | V075 | O-CHLOROTOLUENE | < | 0.600000 | ug/L |
| 920706233 | V076 | CARBON DISULFIDE | < | 1.000000 | ug/L |
| 920706233 | V077 | 1,1-DICHLOROPROPENE | < | 0.700000 | ug/L |
| 920706233 | V078 | ETHYL ACETATE | < | 1.000000 | ug/L |
| 920706233 | V080 | 2-HEXANONE | < | 1.000000 | ug/L |
| 920706233 | V082 | VINYL ACETATE | < | 1.000000 | ug/L |
| 920706233 | V083 | 1,3-BUTADIENE | < | 1.000000 | ug/L |
| 920706233 | V084 | 1,4-DIOXANE | < | 1000.000000 | ug/L |
| 920707160 | CONCOM | Consumer Complaint <u>DITCH</u> AT 2069 HARRINGTON OAKLAND | | | |

| | | | | | |
|-----------|------|----------------------------|---|--------------|------|
| 920707160 | +624 | VOLATILE ORGANICS | | 100.000000 | DIF |
| 920707160 | V001 | ACROLEIN | < | 500.000000 | ug/L |
| 920707160 | V002 | ACRYLONITRILE | < | 500.000000 | ug/L |
| 920707160 | V003 | BENZENE | - | 31000.000000 | ug/L |
| 920707160 | V004 | BROMODICHLOROMETHANE-GC/MS | < | 40.000000 | ug/L |
| 920707160 | V005 | BROMOFORM-GC/MS | < | 60.000000 | ug/L |
| 920707160 | V006 | BROMOMETHANE | < | 100.000000 | ug/L |
| 920707160 | V007 | CARBON TETRACHLORIDE | < | 80.000000 | ug/L |
| 920707160 | V008 | CHLOROBENZENE | < | 90.000000 | ug/L |
| 920707160 | V009 | CHLOROETHANE | < | 80.000000 | ug/L |
| 920707160 | V010 | 2-CHLOROETHYLVINYL ETHER | < | 100.000000 | ug/L |
| 920707160 | V011 | CHLOROFORM | < | 30.000000 | ug/L |
| 920707160 | V012 | CHLOROMETHANE | < | 100.000000 | ug/L |
| 920707160 | V013 | DIBROMOCHLOROMETHANE | < | 50.000000 | ug/L |
| 920707160 | V014 | 1,2-DICHLOROBENZENE | < | 30.000000 | ug/L |
| 920707160 | V015 | 1,3-DICHLOROBENZENE | < | 70.000000 | ug/L |
| 920707160 | V016 | 1,4-DICHLOROBENZENE | < | 40.000000 | ug/L |
| 920707160 | V017 | 1,1-DICHLOROETHANE | < | 40.000000 | ug/L |
| 920707160 | V018 | 1,2-DICHLOROETHANE | < | 100.000000 | ug/L |
| 920707160 | V019 | 1,1-DICHLOROETHENE | < | 100.000000 | ug/L |
| 920707160 | V020 | TRANS-1,2-DICHLOROETHENE | < | 60.000000 | ug/L |
| 920707160 | V021 | 1,2-DICHLOROPROPANE | < | 100.000000 | ug/L |
| 920707160 | V022 | CIS-1,2-DICHLOROPROPENE | < | 100.000000 | ug/L |
| 920707160 | V023 | TRANS-1,3-DICHLOROPROPENE | < | 90.000000 | ug/L |
| 920707160 | V024 | ETHYL BENZENE | | 2900.000000 | ug/L |
| 920707160 | V025 | METHYLENE CHLORIDE | < | 100.000000 | ug/L |
| 920707160 | V026 | 1,1,2,2-TETRACHLOROETHANE | < | 70.000000 | ug/L |
| 920707160 | V027 | TETRACHLOROETHENE | < | 100.000000 | ug/L |
| 920707160 | V028 | TOLUENE | - | 43000.000000 | ug/L |
| 920707160 | V029 | 1,1,1-TRICHLOROETHANE | < | 100.000000 | ug/L |
| 920707160 | V030 | 1,1,2-TRICHLOROETHANE | < | 70.000000 | ug/L |
| 920707160 | V031 | TRICHLOROETHENE | < | 60.000000 | ug/L |

DATE: July 31, 1992

FAX NO.: (510) 569-4757

TO: But Johnson
Ala. City Hg/Mat.

FROM: Jerry Green

EAST BAY MUNICIPAL UTILITY DISTRICT
(510) 287-0709

FAX NO: 287-0988

10 PAGES INCLUDING THIS COVER

MESSAGE: The laboratory analysis material
you requested from us.

CHROMALAB, INC.

5 DAYS TURNAROUND

Environmental Laboratory (1094)

July 8, 1992

ChromaLab File No.: 0692278

JONAS & ASSOCIATES

Attn: Mark Jonas

RE: Two soil samples for Gas/BTEX, Diesel and Lead analyses

Project Name: 9201 PACO UST

Project Number: PCO-221

Date Sampled: June 30, 1992

Date Extracted: July 7, 1992

Date Submitted: June 30, 1992

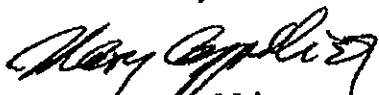
Date Analyzed: July 7, 1992

RESULTS:

| Sample I.D. | Gasoline (mg/Kg) | Diesel (mg/Kg) | Benzene (µg/Kg) | Toluene (µg/Kg) | Ethyl Benzene (µg/Kg) | Total Xylenes (µg/Kg) | Lead (mg/Kg) |
|----------------|---------------------|-------------------|--------------------|--------------------|-----------------------------|-----------------------------|-----------------|
| P1 | 15 | N.D. | 9.5 | N.D. | 170 | 140 | 89 |
| B1 | 9.2 | N.D. | 43 | N.D. | 86 | 67 | ---- |

| | | | | | | | |
|-----------------------|---------------|---------------|------|------|------|------|------|
| BLANK | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| SPIKE REC. | 105% | 97% | 93% | 112% | 107% | 106% | 113% |
| DUP SPIKE REC | ---- | 93% | 94% | 113% | 108% | 106% | 119% |
| DET. LIMIT | 1.0 | 1.0 | 5.0 | 5.0 | 5.0 | 5.0 | 2.5 |
| METHOD OF ANALYSIS | 5030/ 8015 | 3550/ 8015 | 8020 | 8020 | 8020 | 8020 | 7420 |

ChromaLab, Inc.


Mary Cappelli
Analytical Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

5 DAYS TURNAROUND

Environmental Laboratory (1084)

July 29, 1992

ChromaLab File No.: 0792240

JONAS & ASSOCIATES INC.

Attn: Mark Jonas

RE: Four soil samples for Gasoline/BTEX analysis

Project Name: 9201 PACO UST

Project Number: PCO-221

Date Sampled: July 27, 1992

Date Submitted: July 27, 1992

Date Analyzed: July 28, 1992

RESULTS:

| Sample I.D. | Gasoline (mg/Kg) | Benzene (µg/Kg) | Toluene (µg/Kg) | Ethyl Benzene (µg/Kg) | Total Xylenes (µg/Kg) |
|---------------------|---------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| B2-72792-6' | 6.2 | 1800 | N.D. | 180 | N.D. |
| B3-72792-6' | 7.3 | 53 | N.D. | 200 | N.D. |
| B4-72792-6' | 5.3 | 650 | N.D. | 160 | 14 |
| B5-72792-6' | 1.9 | 34 | N.D. | 12 | N.D. |
| BLANK | N.D. | N.D. | N.D. | N.D. | N.D. |
| SPIKE RECOVERY | 88% | 88% | 93% | 94% | 94% |
| DUP. SPIKE RECOVERY | ----- | 90% | 91% | 96% | 95% |
| DETECTION LIMIT | 1.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| METHOD OF ANALYSIS | 5030/8015 | 8020 | 8020 | 8020 | 8020 |

ChromaLab, Inc.

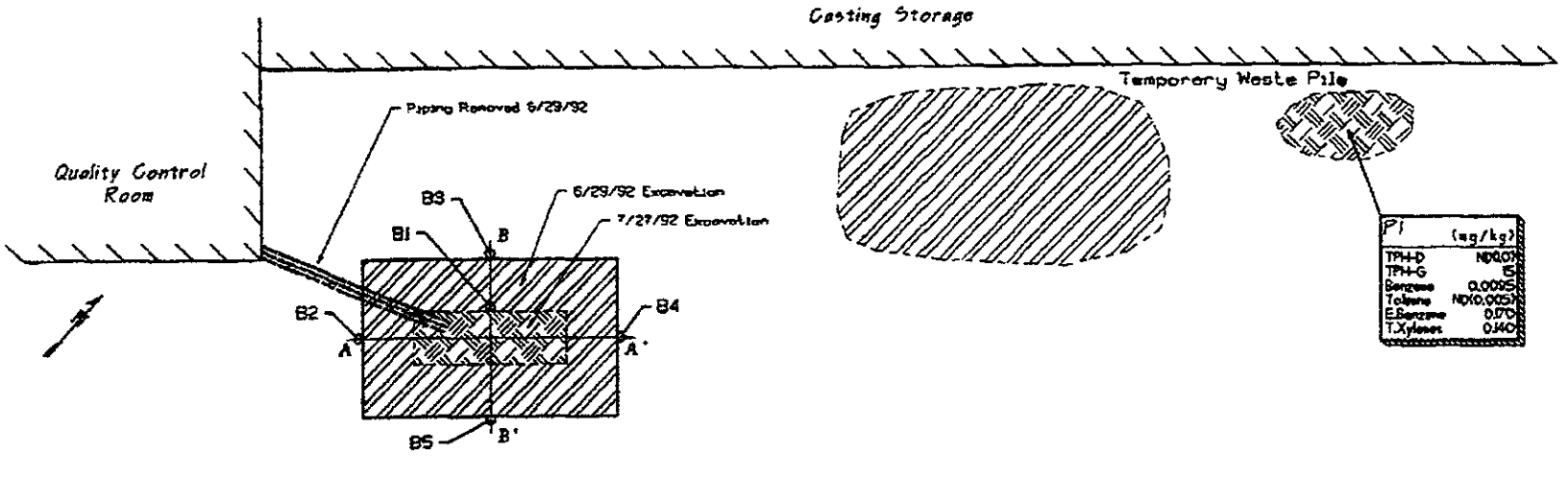

Billy Thach
Analytical Chemist


Eric Tam
Laboratory Director

Drawn by
A.J.L.
7/27/92
Checked by
Approved by

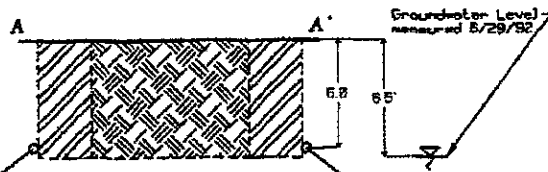
Drawing Number
PC0221-7/92-TNK3

Figure
TNK-3



| P1 (ug/kg) | |
|------------|-----------|
| TPH-D | ND(0.01) |
| TPH-G | 5 |
| Benzene | 0.0005 |
| Toluene | ND(0.005) |
| E.Benzene | 0.070 |
| T.Xylenes | 0.140 |

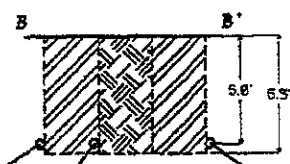
Cross-section A-A'



| B2 (ug/kg) | |
|------------|-----------|
| TPH-G | 0.2 |
| Benzene | 1.000 |
| Toluene | ND(0.005) |
| E.Benzene | 0.030 |
| T.Xylenes | ND(0.005) |

| B4 (ug/kg) | |
|------------|-----------|
| TPH-G | 5.3 |
| Benzene | 0.650 |
| Toluene | ND(0.005) |
| E.Benzene | 0.160 |
| T.Xylenes | 0.120 |

Cross-section B-B'



| B3 (ug/kg) | |
|------------|-----------|
| TPH-G | 7.3 |
| Benzene | 0.053 |
| Toluene | ND(0.005) |
| E.Benzene | 0.200 |
| T.Xylenes | ND(0.005) |

| B1 (ug/kg) | |
|------------|-----------|
| TPH-D | ND(0.01) |
| TPH-G | 9.2 |
| Benzene | 0.043 |
| Toluene | ND(0.005) |
| E.Benzene | 0.086 |
| T.Xylenes | 0.067 |

| B5 (ug/kg) | |
|------------|-----------|
| TPH-G | 10 |
| Benzene | 0.034 |
| Toluene | ND(0.005) |
| E.Benzene | 0.012 |
| T.Xylenes | ND(0.005) |

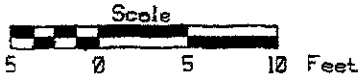
Legend:

- A — A' Cross Sections
- B3 Sample Number
- B1 to B5 Soil Samples

ND(0.005) - Not Detected above the laboratory detection limit in parentheses.

Measurements were made with a tape accurate and are approximate.

No tank was found in the excavation, only piping and debris.
Excavations occurred on 6/29/92 and 7/27/92



EXCAVATION SAMPLING RESULTS
PACO PUMPS, INC.
9201 San Leandro Street
Oakland, California

Prepared by
JONAS & ASSOCIATES INC.

Date: 7/27/92
Locations Approx.

Figure TNK-3

Drawing Number
PC0221-7/92-TNK3



FAX/TELECOPY TRANSMITTAL

| | | |
|----------------------------|------------------------------------|--------------------------------|
| From: Mark L. Jonas | of: JONAS & ASSOCIATES INC. | FAX #: (510) 680 - 6511 |
| To: Mr. Barney Chan | of: Alameda County Health | FAX #: (510) 569-4757 |

| | |
|----------------------------|--|
| Date: 7 / 31 / 1992 | Project: 9201 PACO UST |
| Time: 9 am / pm | J&A Project #: PCO-221-01-UST |

| |
|-----------------------------------|
| Attachments: |
| 1) Figure TNK-3 & Laboratory Data |
| 2) |
| 3) |

Number of attached pages (not including transmittal page): 3

Message:

Barney:

Attached are the current results from excavation activities in an area where an underground storage tank was probably present. The facility is PACO Pumps at 9201 San Leandro Street, Oakland, California. We located the suspected tank by superimposing an old facility map on the current building configuration. When we excavated in that area we found some piping and fill that was probably associated with a tank, but no tank was present.

As presented in the attachments, the results indicate that significant concentrations still exist in the ground (1.8 mg/kg benzene). Based upon these results we are recommending to our client that further excavation will probably be required. We are considering digging another three feet out from each wall and then collecting four more samples from each wall. But there are some limits to this activity because of the location of the building. Please review the data and call us with your determination. We are currently scheduled for excavation activities on Monday, August 3, 1992 @ 10 A.M.

Mark L. Jonas

Signature

Distribution: (1) (3)
(2) (4)

CITY OF OAKLAND



CITY HALL • 1333 BROADWAY • OAKLAND, CALIFORNIA 94612

Office of Public Works

FAX: 287-6412

TDD 839-6451

FAX COVER SHEET

DATE: 7-31-92

TO: 509-4797 (FAX NUMBER)

ATTENTION: MR. DENNIS BURNS

COMMENTS: * RESULTS OF LATEST BIOASSAY
TEST CONDUCTED ON 7-8-92 AFTER A
RAINY STORM.

* I WILL CALL YOU ON TUESDAY TO
SET A TIME FOR THE MEETING.

FROM: FUAD SWISS

THIS IS PAGE 1 OF 4 PAGES.

IF NOT RECEIVED COMPLETELY OR CLEARLY, PLEASE ADVISE THROUGH FAX OR CALL
(415) 273-3868 FOR IMMEDIATE RETRANSMITTAL.

THANK YOU!

FAX OPERATOR:



BC Analytical

1000 POWELL STREET • EMERYVILLE, CA 94608 • (415) 428-8300 • Fax (415) 847-8843

TOXICITY BIOASSAY

Log No: E92-07-091-1

Report To:

City of Oakland
Office of Parks and Recreation
7101 Edgewater Drive, Room 405
Oakland, California 94621

Date Sampled: 07/07/92
Date Received: 07/07/92
Date Mailed: JUL 22 1992

Attn: Mr. Jim Ryugo

cc:

96 HOUR STATIC BIOASSAY: PERCENT SURVIVAL

Sample Description Lake Chabot Stream #1
Test Organism Oncorhynchus mykiss, Rainbow Trout Source Thomas Fish Company
Dilution Water Fresh Source Emeryville Dechlorinated Tap Water Temperature Range 12.0 - 12.4
Aeration: Air Oxygen None Test Initiated 07/08/92 Control Initial hardness Not Applicable

| Bioassay Conditions | Time, Hrs | Control | | 100% - 1 | | 100% - 2 | | Dilution | | | | | | | | | |
|-----------------------|-----------|---------|------|----------|------|----------|------|----------|---|-----|---|-----|---|-----|---|--|--|
| | | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | |
| Organisms Surviving | Start | 10 | 100 | 10 | 100 | 10 | 100 | | | | | | | | | | |
| | 24 | 10 | 100 | 7 | 70 | 7 | 70 | | | | | | | | | | |
| | 48 | 10 | 100 | 4 | 40 | 4 | 40 | | | | | | | | | | |
| | 72 | 10 | 100 | 4 | 40 | 0 | 0 | | | | | | | | | | |
| | 96 | 10 | 100 | 2 | 20 | 0 | 0 | | | | | | | | | | |
| Dissolved Oxygen mg/L | Start | | 10.7 | | 10.0 | | 10.5 | | | | | | | | | | |
| | 24 | | 11.1 | | 11.0 | | 11.3 | | | | | | | | | | |
| | 48 | | 10.0 | | 10.3 | | 10.4 | | | | | | | | | | |
| | 72 | | 10.5 | | 10.6 | | 10.9 | | | | | | | | | | |
| | 96 | | 10.7 | | 10.9 | | - | | | | | | | | | | |
| pH | Start | | 7.2 | | 7.7 | | 7.8 | | | | | | | | | | |
| | 24 | | 7.0 | | 8.3 | | 8.3 | | | | | | | | | | |
| | 48 | | 7.1 | | 8.3 | | 8.4 | | | | | | | | | | |
| | 72 | | 7.8 | | 8.7 | | 8.8 | | | | | | | | | | |
| | 96 | | 7.7 | | 8.6 | | - | | | | | | | | | | |
| Temperature | Start | | 12.2 | | 12.3 | | 12.3 | | | | | | | | | | |
| | 24 | | 12.1 | | 12.1 | | 12.1 | | | | | | | | | | |
| | 48 | | 12.1 | | 12.0 | | 12.0 | | | | | | | | | | |
| | 72 | | 12.4 | | 12.3 | | 12.2 | | | | | | | | | | |
| | 96 | | 12.3 | | 12.2 | | - | | | | | | | | | | |

RESULTS TL₅₀ Not Applicable Toxicity Units 1.15 95% confidence limits of TL₅₀ Not Established Percent survival in undiluted sample 10

Length of fish, cm: Max. 2.7 Min. 2.4 Mean 2.5
Weight of fish, g.: Max. 0.24 Min. 0.16 Mean 0.19

* In cases where 96 hour mortality does not equal or exceed 50% in at least one dilution of the sample, no TL₅₀ value is established.

Analyst D.L. Fulliam

BC Analytical

ANALYTICAL REPORT

1885 Powell Street
Emeryville, CA 94608
510/438-2300
Fax: 510/547-3643

LOG NO: E92-07-091

Received: 07 JUL 92

Mailed: JUL 22 1992

Mr. Jim Nyugo
City of Oakland, Office of Parks and Recreation
7101 Edgewater Drive, Room 405
Oakland, California 94621

Purchase Order: 10131

REPORT OF ANALYTICAL RESULTS

Page 1

| LOG NO | SAMPLE DESCRIPTION, SURFACE WATER SAMPLES | DATE SAMPLED |
|-------------------------------------|---|--------------|
| 07-091-1 | Lake Chabot Stream #1 | 07 JUL 92 |
| PARAMETER | 07-091-1 | |
| Aquatic Bioassay, Survival, Percent | 10 | |
| Bioassay Set Up Date | 07.08.92 | |

Edward Wilson
Edward Wilson, Laboratory Director



CHAIN OF CUSTODY RECORD

BCA Log Number 9207091

| Client name <u>City of Oakland</u> | | | | Project or POB | | Analytes required (Diagonal lines indicating no analysis required) | | | | | | |
|---|----------------|----------------|---------------------|--|---------------------------|---|---------|--|--|--|--|--|
| Address <u>1520 Lakeside Dr.</u> | | | | Phone # <u>232-3151</u> | | | | | | | | |
| City, State, Zip <u>Oakland, Ca. 94612</u> | | | | Report submitted <u>Jim Ryugo/Bill Meurer</u> | | | | | | | | |
| Lab Sample number | Date sampled | Time sampled | Type* See key below | Sampled by <u>Harold Lattimore</u> | Sample description | Number of containers | Remarks | | | | | |
| <u>1</u> | <u>7/17/92</u> | <u>11:00am</u> | | | <u>Take chloroform #1</u> | <u>1</u> | | | | | | |

| Signature | Print Name | Company | Date | Time |
|-------------------------|-------------------------|------------------------|-----------------|-----------------|
| <u>Harold Lattimore</u> | <u>HAROLD LATTIMORE</u> | <u>CITY OF OAKLAND</u> | <u>7/17/92</u> | |
| <u>[Signature]</u> | <u>GLORIA GOYENA</u> | <u>BCA</u> | <u>7/17/92</u> | <u>1200</u> |
| Signature | Print Name | Company | Date | Time |
| Signature | Print Name | Company | Date | Time |
| <u>[Signature]</u> | <u>GLORIA GOYENA</u> | <u>BCA</u> | <u>7/17/92</u> | <u>1200</u> |

BC ANALYTICAL
 1256 Powell Street, Emeryville, CA 94608 (510) 422-2300
 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
 Hazardous samples will be returned to client or disposed of at client's expense.
 Disposal arrangements: _____

KEY: WW—Wastewater SU—Surface Water SO—Soil
 SL—Sludge PE—Petroleum OT—Other
 NA—Nonspecific GW—Groundwater AQ—Aquatic



FAX/TELECOPY TRANSMITTAL

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