

FAX

from **Geomatrix Consultants, Inc.**
2101 Webster Street, 12th Floor, Oakland, CA 94612
www.geomatrix.com



2521/02

Date: 3/15/04

Number of pages including cover sheet: 3

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To: Barney Chan

From: Jennifer Patterson

Fax Phone: 510-337-9335

Fax Phone: 510-663-4141

Phone: _____

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cc: _____

Direct dial: _____

Email: _____

Project No.: _____

Project Name: _____

REMARKS:

- Hard copy to follow
- Urgent
- For your review
- Reply ASAP
- Please comment

Barney -

Here are the new analytical results. I just updated the table we sent last week. I'll get back to you about the water.

Jennifer

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - METALS¹
 Former Fabco Manufacturing Facility
 Oakland, California

Concentrations in milligrams per kilograms (mg/kg)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft bgs) ² | Constituents Detected | | | | | | | | | | | | | | | | |
|--------------------------------------------|-----------------------------------------------------------------------------------|-------------|------------------------------------|-----------------------|-----|------|-------|----|-----|----|-----|-------|-------|----|-----|-------|-------|----|-----|--|
| | | | | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Hg | Mo | Ni | Se | Ag | Tl | V | Zn | |
| Underground Storage Tank Excavation | | | | | | | | | | | | | | | | | | | | |
| UST-B-6.0 | Bottom of UST excavation | 3/3/04 | 6 | NA | NA | NA | 0.27 | 26 | NA | NA | 10 | NA | NA | 21 | NA | NA | NA | NA | 31 | |
| SP-30304 | Soil Stockpile | 3/3/04 | — | 3 | 130 | 0.33 | 0.50 | 33 | 8.3 | 27 | 13 | 0.047 | <0.85 | 29 | 1.6 | <0.21 | <0.21 | 32 | 74 | |
| Debris Pit | | | | | | | | | | | | | | | | | | | | |
| SW-N-30304 | North sidewall of debris excavation | 3/3/04 | 3 | NA | NA | NA | 3.6 | 42 | NA | NA | 350 | NA | NA | 41 | NA | NA | NA | NA | 810 | |
| SW-N-2-4.0 | North sidewall of debris excavation (after overexcavation of SW-N-30304 location) | 3/10/04 | 4 | NA | NA | NA | NA | NA | NA | NA | 5 | NA | NA | NA | NA | NA | NA | NA | NA | |
| SS-5.0-21104 | Bottom debris excavation | 2/11/04 | 5 | NA | NA | NA | <0.24 | 28 | NA | NA | 29 | NA | NA | 22 | NA | NA | NA | NA | 50 | |
| SW-S-30404 | South sidewall of debris excavation | 3/4/04 | 3 | NA | NA | NA | 0.6 | 30 | NA | NA | 71 | NA | NA | 32 | NA | NA | NA | NA | 250 | |

New Sidewall * sample

Notes:

¹ Samples collected by Geomatrix Consultants, Inc. (Geomatrix), and analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, for metals using EPA Method 6010B

² ft bgs = feet below ground surface

Abbreviations:

NA = Not Analyzed

- As = Arsenic
- Ba = Barium
- Be = Beryllium
- Cd = Cadmium
- Cr = Chromium
- Co = Cobalt
- Cu = Copper
- Pb = Lead

"<" = indicates constituent was not detected at or above sample quantitation limits indicated

- Hg = Mercury
- Mo = Molybdenum
- Ni = Nickel
- Se = Selenium
- Ag = Silver
- Tl = Thallium
- Vn = Vanadium
- Zn = Zinc

TABLE 3
 SOIL SAMPLE ANALYTICAL RESULTS - PAHs¹
 Former Fabco Manufacturing Facility
 Oakland, California

Concentrations in micrograms per kilograms (ug/kg)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft bgs) ² | Constituents Detected ³ | | | | | | | | | | | | | | | | | |
|--------------------------------------------|-----------------------------------------------------------------------------------|-------------|------------------------------------|------------------------------------|-------------|----------------|--------------|----------|--------------|------------|--------------|--------|--------------------|----------|----------------------|----------------------|----------------|------------------------|-----------------------|----------------------|--|
| | | | | 2-Methylnaphthalene | Naphthalene | Acenaphthylene | Acenaphthene | Fluorene | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benzo(a)anthracene | Chrysene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Benzo(a)pyrene | Indeno(1,2,3-cd)pyrene | Dibenz(a,h)anthracene | Benzo(g,h,i)perylene | |
| Underground Storage Tank Excavation | | | | | | | | | | | | | | | | | | | | | |
| UST-B-6.0 | Bottom of UST excavation | 3/3/04 | 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| SP-30304 | Soil Stockpile | 3/3/04 | - | 76 | <66 | <66 | <66 | 190 | <66 | <66 | <66 | <66 | <66 | <66 | 98 | <66 | <66 | <66 | <66 | <66 | |
| Debris Pit | | | | | | | | | | | | | | | | | | | | | |
| SW-N-30304 | North sidewall of debris excavation | 3/3/04 | 1 | NA | 15 | 21 | -5 | 7.1 | 130 | 23 | 200 | 240 | 74 | 99 | 72 | 57 | 110 | 84 | 18 | 110 | |
| SW-N-2-4.0 | North sidewall of debris excavation (after overexcavation of SW-N-30304 location) | 3/10/04 | 4 | NA | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| SS-5.0-21104 | Between debris excavation | 2/11/04 | 5 | NA | 8.0 | <5 | <5 | <5 | 17 | <5 | 17 | 18 | 5.6 | 7.2 | 5.7 | <5 | 7.5 | <5 | <5 | 5.4 | |
| SW-S-30404 | South sidewall of debris excavation | 3/4/04 | 3 | NA | <5 | <5 | <5 | <5 | 14 | <5 | 16 | 22 | 11 | 16 | 16 | 10 | 12 | 11 | <5 | 14 | |

Notes:

NA = Not Analyzed

¹ Samples collected by Geomatrix Consultants, Inc. (Geomatrix), and analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, for polynuclear aromatic hydrocarbons using EPA Method 8270 with selective ion monitoring (SIM) except for the soil stockpile sample, which was analyzed using EPA Method 8270C.

² ft bgs = feet below ground surface

³ "nc" indicates analyte was not detected at or above the laboratory reporting limit shown.

New sidewall sample

FAX

from **Geomatrix Consultants, Inc.**

2101 Webster Street, 12th Floor, Oakland, CA 94612
www.geomatrix.com

20 2001

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Date: March 8, 2004

Number of pages including cover sheet: 5

To: **Barney Chan**

Alameda County Health Service Agency

From: **Robert Cheung & Jennifer Patterson**

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Phone: 510 337 9335

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Direct dial:

Email: rcheung@geomatrix.com

Project No.: 8367.001

Project Name: Former Fabco Manufacturing Facility

REMARKS:

- Hard copy to follow
- Urgent
- For your review
- Reply ASAP
- Please comment

Mr. Chan:

Please find summary tables of ALL of the analytical results following the UST and debris removal at the 1249 67th Street property. Please disregard my previous fax transmittal and replace those tables with the attached.

We will call you tomorrow morning for your approval to backfill the debris excavation. Thank you in advance for your assistance.

RE-FAXING PRELIM RESULTS.

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS - TPH, VOCs, PCBs¹
 Former Fabco Manufacturing Facility
 Oakland, California

Concentrations in milligrams per kilograms (mg/kg)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft bgs) ² | Constituents Detected ³ | | | | | | | |
|--------------------------------------------|-------------------------------------|-------------|------------------------------------|------------------------------------|-------------------|------------------|---------|---------------------|------------|------------|------|
| | | | | TPHg | TPHd | TPHmo | Acetone | Methylene Chloride | 2-Butanone | Other VOCs | PCBs |
| Underground Storage Tank Excavation | | | | | | | | | | | |
| UST-B-6.0 | Bottom of UST excavation | 3/3/04 | 6 | <1 | 2.6 ⁵ | 47 | 0.140 | 0.042 | 0.035 | ND | -- |
| SP-30304 | Soil Stockpile | 3/3/04 | -- | 4.9 ⁵ | 1700 ⁵ | 120 ⁵ | 0.100 | <0.020 ⁴ | 0.017 | ND | ND |
| Debris Pit | | | | | | | | | | | |
| SW-N-30304 | North sidewall of debris excavation | 3/3/04 | 3 | NA | 305 | 110 | <0.019 | <0.019 | <0.0093 | ND | ND |
| SS-5.0-21104 | Bottom debris excavation | 2/11/04 | 5 | NA | 38 | 190 | <0.019 | <0.019 | <0.0096 | ND | ND |
| SW-S-30404 | South sidewall of debris excavation | 3/4/04 | 3 | NA | 58 ⁵ | 380 | <0.019 | 0.041 | <0.0094 | ND | ND |

Notes:

- ¹ Samples collected by Geomatrix Consultants, Inc. (Geomatrix), and analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, for total petroleum hydrocarbons quantified as gasoline, diesel, and motor oil using EPA Method 801.5B; VOCs using EPA Method 8260B; and PCBs using EPA Method 8082. A silica gel preparation (EPA Method 3630C) was performed on soil samples prior to analysis of TPHd.
- ² ft bgs = feet below ground surface
- ³ TPHg = total petroleum hydrocarbons quantified as gasoline
 TPHd = total petroleum hydrocarbons quantified as diesel
 TPHmo = total petroleum hydrocarbons quantified as motor oil
 VOCs = volatile organic compounds PCBs = polychlorinated biphenyls
 NA = Not Analyzed
 ND = Not detected above the laboratory reporting limit. Refer to analytical laboratory sheets for reporting limits.
- ⁴ "<" indicates analyte was not detected at or above the laboratory reporting limit shown.
- ⁵ Laboratory indicated that heavier hydrocarbons contributed to quantitation and the chromatographic pattern did not match the laboratory standard. The result is considered estimated (J flagged) and may be biased high.
- ⁶ Laboratory indicated that lighter hydrocarbons contributed to quantitation and the chromatographic pattern did not match the laboratory standard. The result is considered estimated (J flagged) and maybe biased high.

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - METALS¹
 Former Fabco Manufacturing Facility
 Oakland, California

Concentrations in milligrams per kilograms (mg/kg)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft bgs) ² | Constituents Detected | | | | | | | | | | | | | | | |
|--------------------------------------------|-------------------------------------|-------------|------------------------------------|-----------------------|-----|------|-------|----|-----|----|-----|-------|-------|----|-----|-------|-------|----|-----|
| | | | | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Hg | Mo | Ni | Se | Ag | Tl | V | Zn |
| Underground Storage Tank Excavation | | | | | | | | | | | | | | | | | | | |
| UST-B-6.0 | Bottom of UST excavation | 3/3/04 | 6 | NA | NA | NA | 0.27 | 26 | NA | NA | 10 | NA | NA | 21 | NA | NA | NA | NA | 31 |
| SP-30304 | Soil Stockpile | 3/3/04 | -- | 3 | 130 | 0.33 | 0.50 | 33 | 8.3 | 27 | 13 | 0.047 | <0.85 | 29 | 1.6 | <0.21 | <0.21 | 32 | 74 |
| Debris Pit | | | | | | | | | | | | | | | | | | | |
| SW-N-30304 | North sidewall of debris excavation | 3/3/04 | 3 | NA | NA | NA | 3.6 | 42 | NA | NA | 350 | NA | NA | 41 | NA | NA | NA | NA | 810 |
| SS-5.0-21104 | Bottom debris excavation | 2/11/04 | 5 | NA | NA | NA | <0.24 | 28 | NA | NA | 29 | NA | NA | 22 | NA | NA | NA | NA | 50 |
| SW-S-30404 | South sidewall of debris excavation | 3/4/04 | 3 | NA | NA | NA | 0.6 | 30 | NA | NA | 71 | NA | NA | 32 | NA | NA | NA | NA | 250 |

Notes:

¹ Samples collected by Geomatrix Consultants, Inc. (Geomatrix), and analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, for metals using EPA Method 6010B

² ft bgs = feet below ground surface

Abbreviations:

NA = Not Analyzed

As = Arsenic Cr = Chromium
 Ba = Barium Co = Cobalt
 Be = Beryllium Cu = Copper
 Cd = Cadmium Pb = Lead

"<" = indicates constituent was not detected at or above sample quantitation limits indicated

Hg = Mercury Ag = Silver
 Mo = Molybdenum Tl = Thallium
 Ni = Nickel Vn = Vanadium
 Se = Selenium Zn = Zinc

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS - PAHs¹
 Former Fabco Manufacturing Facility
 Oakland, California

Concentrations in micrograms per kilograms (ug/kg)

| Sample ID | Sample Location | Sample Date | Sample Depth (ft bgs) ² | Constituents Detected ¹ | | | | | | | | | | | | | | | | |
|--------------------------------------------|-------------------------------------|-------------|------------------------------------|------------------------------------|-------------|----------------|--------------|----------|--------------|------------|--------------|--------|--------------------|----------|----------------------|----------------------|----------------|------------------------|-----------------------|----------------------|
| | | | | 2-Methylnaphthalene | Naphthalene | Acenaphthylene | Acenaphthene | Fluorene | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benzo(a)anthracene | Chrysene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Benzo(a)pyrene | Indeno(1,2,3-cd)pyrene | Dibenz(a,h)anthracene | Benzo(g,h,i)perylene |
| Underground Storage Tank Excavation | | | | | | | | | | | | | | | | | | | | |
| UST-B-6.0 | Bottom of UST excavation | 3/3/04 | 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| SP-30304 | Soil Stockpile | 3/3/04 | - | 76 | <66 | <66 | <66 | 190 | <66 | <66 | <66 | <66 | <66 | <66 | 98 | <66 | <66 | <66 | <66 | |
| Debris Pit | | | | | | | | | | | | | | | | | | | | |
| SW-N-30304 | North sidewall of debris excavation | 3/3/04 | 3 | NA | 15 | 21 | -5 | 7.1 | 130 | 23 | 200 | 240 | 74 | 99 | 72 | 57 | 84 | 18 | 110 | |
| SS-S-0-21104 | Bottom debris excavation | 2/11/04 | 5 | NA | 8.6 | <5 | <5 | <5 | 17 | <5 | 17 | 18 | 5.6 | 7.2 | 5.7 | <5 | 7.5 | <5 | 5.4 | |
| SW-S-30404 | South sidewall of debris excavation | 3/4/04 | 3 | NA | <5 | <5 | <5 | <5 | 14 | <5 | 16 | 22 | 11 | 16 | 16 | 10 | 12 | 11 | <5 | |

ESL

38

Notes:

NA = Not Analyzed

¹ Samples collected by Geomatrix Consultants, Inc. (Geomatrix), and analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, for polynuclear aromatic hydrocarbons using EPA Method 8270 with selective ion monitoring (SIM) except for the soil stockpile sample, which was analyzed using EPA Method 8270C.² ft bgs = feet below ground surface³ "<" indicates analyte was not detected at or above the laboratory reporting limit shown.

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS¹
 Former Fabco Manufacturing Facility
 Oakland, California

Concentrations in micrograms per liter (µg/l)

| Sample ID | Sample Date | Constituents Detected ² | | | | | | | |
|----------------|-------------|------------------------------------|---------------------|---------------------|---------|------------|---------------|-----------|------------|
| | | TPHg | TPHd | TPHmo | Acetone | 2-Butanone | Total Xylenes | 1,2,4-TMB | Other VOCs |
| Pitwater-30304 | 3/3/04 | 560 ³ | 12,000 ³ | 16,000 ⁴ | 48 | 12 | 0.7 | 0.7 | ND |

debris pit

Est 500 (ew) MEK

Notes:

- ¹ Samples collected by Geomatrix Consultants, Inc. (Geomatrix), and analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, for total petroleum hydrocarbons quantified as gasoline, diesel, and motor oil using EPA Method 8015B; VOCs using EPA Method 8260B; and PCBs using EPA Method 8082. A silica gel preparation (EPA Method 3630C) was performed on water samples prior to analysis of TPHd.
- ² TPHg = Total petroleum hydrocarbons quantified as gasoline
 TPHd = Total petroleum hydrocarbons quantified as diesel
 TPHmp = Total petroleum hydrocarbons quantified as motor oil
 TMB = Trimethylbenzene; VOCs = Volatile Organic Compounds
- ³ Laboratory indicated that heavier hydrocarbons contributed to quantitation and the chromatographic pattern did not match the laboratory standard.
- ⁴ Laboratory indicated that lighter hydrocarbons contributed to quantitation and the chromatographic pattern did not match the laboratory standard.