



**BP OIL**

BP Oil Company  
Environmental Resources Management  
Building 13, Suite N  
295 SW 41st Street  
Renton, Washington 98055-4931  
(206) 251-0667

April 24, 1995

MR SCOTT SEERY  
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
80 SWAN WAY ROOM 200  
OAKLAND CA 94621

**RE: BP OIL FACILITY #11105  
3515 Castro Valley Blvd  
Castro Valley, CA**

ENVIRONMENTAL  
PROTECTION  
95 APR 26 PM 2: 05

Attached please find our GROUNDWATER MONITORING AND SAMPLING REPORT DATED April 3, 1995 for the above referenced facility.

Please note that John Bates of the Alameda County Department of Public Works has agreed to forward test boring logs and associated data for right-of-way assessment work performed by ACC Environmental. I will send you a copy upon receipt. Confirming our previous discussion, this additional information may warrant modification of the workplan previously approved by the ACHCSA.

If you should have any questions regarding this site, I may be reached at (206) 251-0689.

Respectfully,

Scott T. Hooton  
Environmental Resources Management  
Group Leader

STH:mu mswordIERM11105

cc: Mr. Eddy So, CRWQCB, San Francisco Bay Region, 2101 Webster Street, Suite 200,  
Oakland, CA 94612

Mr. Brady Nagle, Alisto Engineering Group, 1777 Oakland Blvd., Suite 200, Walnut Creek,  
CA 94596

Mr. Larry Silva, TOSCO Northwest CO, 601 Union Street, Suite 2500, Seattle, WA 98101

Site File

GROUNDWATER MONITORING AND SAMPLING REPORT

ENVIRONMENTAL SCIENCE  
WEST COAST REGION

BP Oil Company Service Station No. 11105  
3515 Castro Valley Boulevard  
Castro Valley, California

Project No. 10-138-02-004

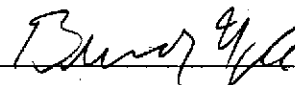
Prepared for:


BP Oil Company  
Environmental Resources Management  
295 S.W. 41st Street  
Building 13, Suite N  
Renton, Washington

Prepared by:

Alisto Engineering Group  
1777 Oakland Boulevard, Suite 200  
Walnut Creek, California

April 3, 1995

  
\_\_\_\_\_  
Brady Nagle  
Project Manager

  
\_\_\_\_\_  
Al Sevilla, P.E.  
Principal



# GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11105  
3515 Castro Valley Boulevard  
Castro Valley, California

Project No. 10-138-02-004

April 3, 1995

## INTRODUCTION

This report presents the results and findings of the January 19, 1995 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11105, 3515 Castro Valley Boulevard, Castro Valley, California. A site vicinity map is shown in Figure 1.

## FIELD PROCEDURES

Field activities were performed in accordance with the procedures and guidelines of the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region.

Before purging and sampling, the groundwater level in each well was measured from a permanent mark on top of the casing to the nearest 0.01 foot using an electronic sounder. The depth to groundwater and top of casing elevation data were used to calculate the groundwater elevation in each well. The survey data and groundwater elevation measurements collected to date are presented in Table 1.

Before sample collection, each well was purged of 3 casing volumes, while recording field readings of pH, temperature, electrical conductivity, and dissolved oxygen. Groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The samples were transferred from the bailer into laboratory-supplied containers. The water sampling field survey forms are presented in Appendix A.

## SAMPLING AND ANALYTICAL RESULTS

The results of monitoring and laboratory analysis of the groundwater samples collected during this and previous quarters are summarized in Table 1. The potentiometric groundwater elevations as interpreted from the results of this monitoring event are shown in Figure 2. The results of laboratory analysis are shown in Figure 3. The laboratory report and chain of custody record are presented in Appendix B.



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING  
 BP OIL COMPANY SERVICE STATION NO. 11105  
 3515 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

ALISTO PROJECT NO. 10-138

| WELL ID    | DATE OF SAMPLING/<br>MONITORING | CASING ELEVATION (Feet) | DEPTH TO WATER (Feet) | GROUNDWATER ELEVATION (b) (Feet) | TPH-G (ppb) | TPH-D (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | TOG (ppb) | 1,2-DGA (ppb) | DO (ppm) | LAB  |
|------------|---------------------------------|-------------------------|-----------------------|----------------------------------|-------------|-------------|---------|---------|---------|---------|-----------|---------------|----------|------|
| ESE-1      | 10/05/92                        | 182.49                  | 11.22                 | 171.27                           | 2100        | 96          | 370     | 150     | 17      | 110     | ND        | 1.8           | —        | —    |
| ESE-1D (c) | 10/05/92                        | —                       | —                     | —                                | 2300        | —           | 370     | 160     | 16      | 110     | —         | —             | —        | —    |
| ESE-1      | 04/01/93                        | 182.49                  | 8.79                  | 173.70                           | 5900        | —           | 1500    | 410     | 110     | 390     | —         | —             | —        | PACE |
| ESE-1      | 06/29/93                        | 182.49                  | 10.34                 | 172.15                           | 7600        | —           | 2900    | 390     | 130     | 460     | —         | —             | —        | PACE |
| ESE-1      | 09/23/93                        | 182.49                  | 10.91                 | 171.58                           | 2000        | —           | 490     | 40      | 20      | 56      | —         | —             | —        | PACE |
| QC-1 (c)   | 09/23/93                        | —                       | —                     | —                                | 1500        | —           | 420     | 39      | 19      | 56      | —         | —             | —        | PACE |
| ESE-1      | 12/10/93                        | 182.49                  | 9.93                  | 172.56                           | 1800        | —           | 480     | 42      | 19      | 66      | —         | —             | 3.2      | PACE |
| QC-1 (c)   | 12/10/93                        | —                       | —                     | —                                | 1500        | —           | 380     | 38      | 17      | 55      | —         | —             | —        | PACE |
| ESE-1      | 02/17/94                        | 182.49                  | 9.64                  | 172.85                           | 1900        | —           | 380     | 48      | 24      | 80      | —         | —             | —        | PACE |
| QC-1 (c)   | 02/17/94                        | —                       | —                     | —                                | 2200        | —           | 430     | 42      | 19      | 65      | —         | —             | —        | PACE |
| ESE-1      | 08/08/94                        | 177.69                  | (d) 11.72             | 165.97                           | 2100        | —           | 450     | 46      | 16      | 50      | —         | —             | 5.1      | PACE |
| ESE-1      | 10/12/94                        | 177.69                  | 10.48                 | 167.21                           | 760         | —           | 240     | 16      | 51      | 39      | —         | —             | 3.5      | PACE |
| ESE-1      | 01/19/95                        | 177.69                  | 7.77                  | 169.92                           | 840         | —           | 600     | 120     | 22      | 58      | —         | —             | 8.0      | ATI  |
| ESE-2      | 10/05/92                        | 181.95                  | 11.68                 | 170.27                           | 300         | —           | 5.4     | 16      | 3.9     | 45      | —         | —             | —        | —    |
| ESE-2      | 04/01/93                        | 181.95                  | 9.17                  | 172.78                           | 240         | —           | 27      | ND<0.5  | 17      | 2.6     | —         | —             | —        | PACE |
| ESE-2      | 06/29/93                        | 181.95                  | 10.88                 | 171.07                           | 1700        | —           | 260     | 24      | 110     | 23      | —         | —             | —        | PACE |
| QC-1 (c)   | 06/29/93                        | —                       | —                     | —                                | 1300        | —           | 240     | 17      | 110     | 25      | —         | —             | —        | PACE |
| ESE-2      | 09/23/93                        | 181.95                  | 11.56                 | 170.39                           | 240         | —           | 3.1     | 0.5     | 0.6     | 2.5     | —         | —             | —        | PACE |
| ESE-2      | 12/10/93                        | 181.95                  | 10.48                 | 171.47                           | 250         | —           | 2.4     | 2.4     | 1.5     | 11      | —         | —             | 2.6      | PACE |
| ESE-2      | 02/17/94                        | 181.95                  | 10.06                 | 171.89                           | 900         | —           | ND<0.5  | ND<0.5  | ND<0.5  | ND<0.5  | —         | —             | —        | PACE |
| ESE-2      | 08/08/94                        | 178.23                  | (d) 11.11             | 167.12                           | 750         | —           | ND<0.5  | ND<0.5  | ND<0.5  | ND<0.5  | —         | —             | 5.1      | PACE |
| ESE-2      | 10/12/94                        | 178.23                  | 11.31                 | 166.92                           | 1700        | —           | ND<0.5  | ND<0.5  | ND<0.5  | ND<0.5  | —         | —             | 3.6      | PACE |
| ESE-2      | 01/19/95                        | 178.23                  | 8.25                  | 169.98                           | 300         | —           | 2       | 0.9     | 0.7     | 1       | —         | —             | 8.1      | ATI  |
| ESE-3      | 10/05/92                        | 182.00                  | 10.58                 | 171.42                           | 430         | —           | 57      | 31      | 3.6     | 34      | —         | —             | —        | —    |
| ESE-3      | 04/01/93                        | 182.00                  | 8.14                  | 173.86                           | 2400        | —           | 460     | 220     | 74      | 210     | —         | —             | —        | PACE |
| ESE-3      | 06/29/93                        | 182.00                  | 9.72                  | 172.28                           | 280         | —           | 56      | 14      | 15      | 13      | —         | —             | —        | PACE |
| ESE-3      | 09/23/93                        | 182.00                  | 10.46                 | 171.54                           | 72          | —           | 13      | 3.5     | 1.7     | 4.1     | —         | —             | —        | PACE |
| ESE-3      | 12/10/93                        | 182.00                  | 9.30                  | 172.70                           | 270         | —           | 71      | 32      | 6.1     | 33      | —         | —             | 2.7      | PACE |
| ESE-3      | 02/17/94                        | 182.00                  | 8.97                  | 173.03                           | 520         | —           | 140     | 10      | 20      | 33      | —         | —             | —        | PACE |
| ESE-3      | 08/08/94                        | 178.20                  | (d) 10.02             | 168.18                           | ND<50       | —           | 8.8     | 1.6     | 1.6     | 2.3     | —         | —             | 6.2      | PACE |
| ESE-3      | 10/12/94                        | 178.20                  | 10.32                 | 167.88                           | 470         | —           | 190     | 6.4     | 15      | 18      | —         | —             | 3.5      | PACE |
| ESE-3      | 01/19/95                        | 178.20                  | 7.40                  | 170.80                           | 330         | —           | 260     | 27      | 21      | 20      | —         | —             | 6.7      | ATI  |
| ESE-4      | 10/05/92                        | 182.47                  | 10.33                 | 172.14                           | 98          | —           | 7.2     | 1.3     | 1.1     | 6.1     | —         | —             | —        | —    |
| ESE-4      | 04/01/93                        | 182.47                  | 7.88                  | 174.59                           | 550         | —           | 93      | 20      | 23      | 33      | —         | —             | —        | PACE |
| ESE-4      | 06/29/93                        | 182.40                  | (e) 8.33              | 174.07                           | 150         | —           | 23      | 0.8     | 5.4     | 0.5     | —         | —             | —        | PACE |
| ESE-4      | 09/23/93                        | 182.40                  | 10.05                 | 172.35                           | 110         | —           | 14      | 1.7     | 3.2     | 4.6     | —         | —             | —        | PACE |
| ESE-4      | 12/10/93                        | 182.40                  | 8.95                  | 173.45                           | 110         | —           | 21      | 7.2     | 4.2     | 10      | —         | —             | 2.8      | PACE |
| ESE-4      | 02/17/94                        | 182.40                  | 8.65                  | 173.75                           | 210         | —           | 26      | 1.2     | 4.7     | 11      | —         | —             | —        | PACE |
| ESE-4      | 08/08/94                        | 177.66                  | (d) 9.76              | 167.90                           | 76          | —           | 9.6     | ND<0.5  | 2.0     | ND<0.5  | —         | —             | 7.0      | PACE |
| ESE-4      | 10/12/94                        | 177.66                  | 9.62                  | 168.04                           | ND<50       | —           | ND<0.5  | ND<0.5  | ND<0.5  | ND<0.5  | —         | —             | 3.2      | PACE |
| ESE-4      | 01/19/95                        | 177.66                  | 6.97                  | 170.69                           | 140         | —           | 56      | 14      | 24      | 23      | —         | —             | 6.9      | ATI  |

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING  
 BP OIL COMPANY SERVICE STATION NO. 11105  
 3515 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

ALISTO PROJECT NO. 10-138

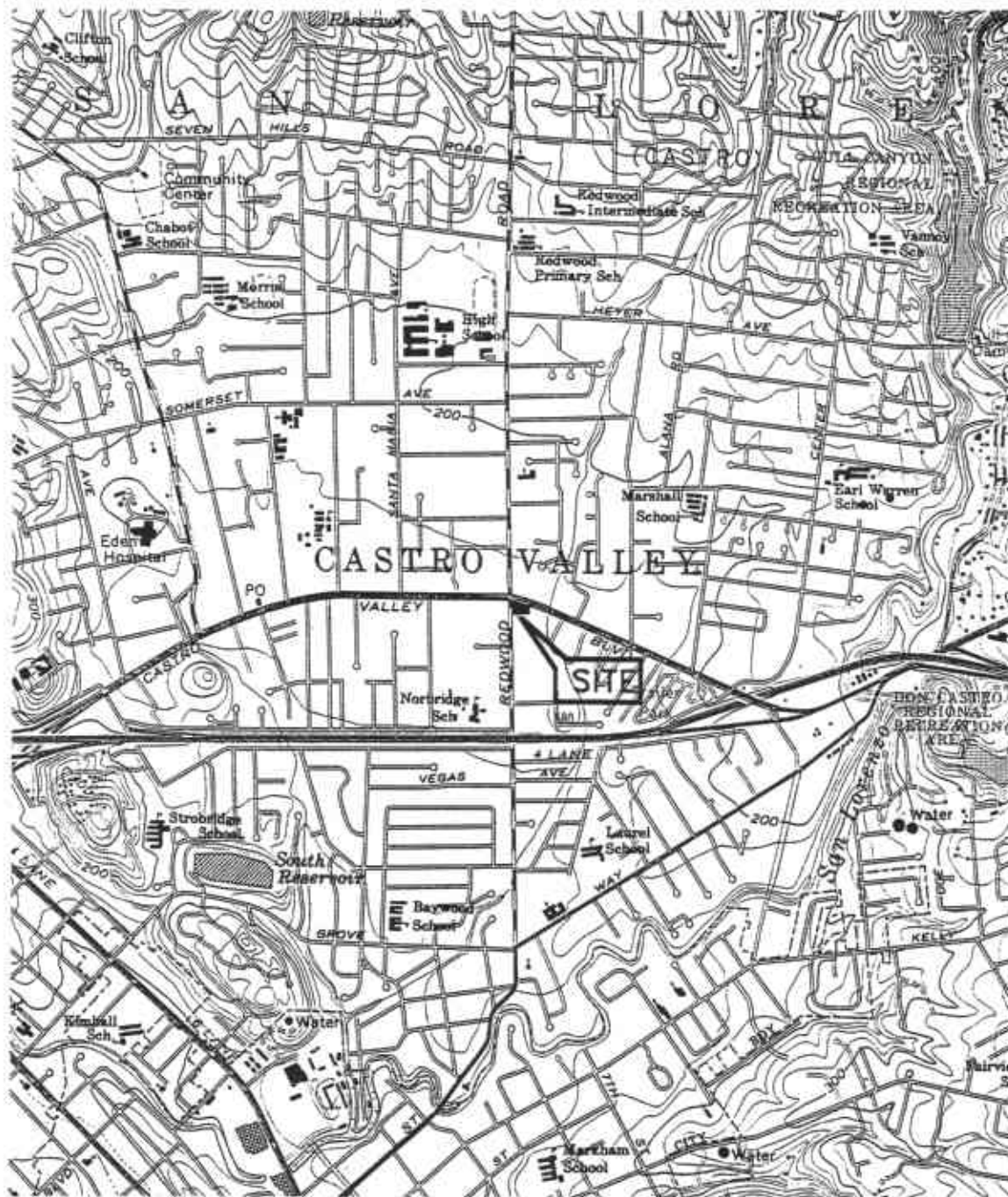
| WELL ID  | DATE OF SAMPLING/<br>MONITORING | CASING ELEVATION (a)<br>(Feet) | DEPTH TO WATER<br>(Feet) | GROUNDWATER ELEVATION (b)<br>(Feet) | TPH-G<br>(ppb) | TPH-D<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | TOG<br>(ppb) | 1,2-DCA<br>(ppb) | DO<br>(ppm) | LAB  |
|----------|---------------------------------|--------------------------------|--------------------------|-------------------------------------|----------------|----------------|------------|------------|------------|------------|--------------|------------------|-------------|------|
| ESE-5    | 10/05/92                        | 184.09                         | 9.22                     | 174.87                              | 1300           | —              | 200        | 3.8        | 1.2        | 18         | —            | —                | —           | —    |
| ESE-5    | 04/01/93                        | 184.09                         | 7.02                     | 177.07                              | 13000          | —              | 2200       | 26         | 730        | 1000       | —            | —                | —           | PACE |
| QC-1 (c) | 04/01/93                        | —                              | —                        | —                                   | 13000          | —              | 2500       | 25         | 740        | 1100       | —            | —                | —           | PACE |
| ESE-5    | 06/29/93                        | 184.09                         | 10.21                    | 173.88                              | 7600           | —              | 1500       | 9.3        | 170        | 100        | —            | —                | —           | PACE |
| ESE-5    | 09/23/93                        | 184.09                         | 10.64                    | 173.45                              | 560            | —              | 19         | 1.2        | 0.9        | 1.8        | —            | —                | —           | PACE |
| ESE-5    | 12/10/93                        | 184.09                         | 9.42                     | 174.67                              | 1700           | —              | 300        | 3.0        | 76         | 110        | —            | —                | 2.5         | PACE |
| ESE-5    | 02/07/94                        | 184.09                         | 9.35                     | 174.74                              | 3500           | —              | 640        | 7.8        | 90         | 130        | —            | —                | —           | PACE |
| ESE-5    | 08/08/94                        | 176.08 (d)                     | 8.76                     | 167.32                              | 2600           | —              | 210        | 4.6        | 9.4        | 4.4        | —            | —                | 5.8         | PACE |
| QC-1 (c) | 08/08/94                        | —                              | —                        | —                                   | 2500           | —              | 230        | 4.6        | 13         | 4.8        | —            | —                | —           | PACE |
| ESE-5    | 10/12/94                        | 176.08                         | 8.95                     | 167.13                              | 5600           | —              | 560        | 9.5        | 75         | 21         | —            | —                | 3.6         | PACE |
| QC-1 (c) | 10/12/94                        | —                              | —                        | —                                   | 6000           | —              | 550        | 10         | 78         | 22         | —            | —                | —           | PACE |
| ESE-5    | 01/19/95                        | 176.08                         | 5.40                     | 170.68                              | 1900           | —              | 620        | ND<5       | 95         | 15         | —            | —                | 7.6         | ATI  |
| QC-1 (c) | 01/19/95                        | —                              | —                        | —                                   | 1600           | —              | 620        | ND<5       | 93         | 17         | —            | —                | —           | ATI  |
| QC-2 (f) | 04/01/93                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 06/29/93                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 09/23/93                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 12/10/93                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 02/17/94                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 08/08/94                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 10/12/94                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<0.5     | —            | —                | —           | PACE |
| QC-2 (f) | 01/19/95                        | —                              | —                        | —                                   | ND<50          | —              | ND<0.5     | ND<0.5     | ND<0.5     | ND<1       | —            | —                | —           | ATI  |

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline  
 TPH-D Total petroleum hydrocarbons as diesel  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Total xylenes  
 TOG Total oil and grease  
 1,2-DCA 1,2-Dichloroethane  
 DO Dissolved oxygen  
 ppb Parts per billion  
 ppm Parts per million  
 ND Not detected above reported detection limit  
 — Not applicable/measured/analyzed  
 PACE Pace, Inc.  
 ATI Analytical Technologies, Inc.

NOTES:

(a) Top of casing elevations relative to mean sea level.  
 (b) Groundwater elevations in feet relative to mean sea level.  
 (c) Blind duplicate.  
 (d) Well resurveyed in March 1994.  
 (e) Top of casing lowered by 0.07 foot after the monitoring event on 4/01/93.  
 (f) Travel blank.



SOURCE:  
 USGS MAP, HAYWARD QUADRANGLE,  
 CALIFORNIA, 7.5 MINUTE SERIES, 1959.  
 PHOTOREVISED 1980.

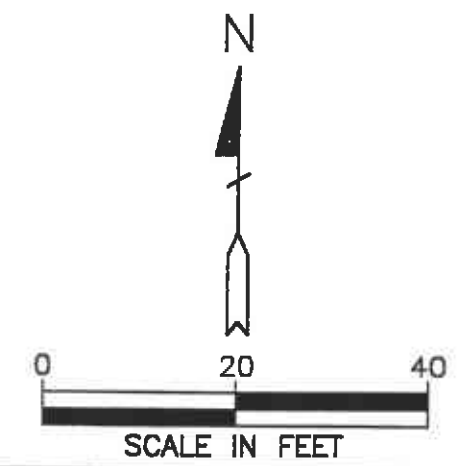
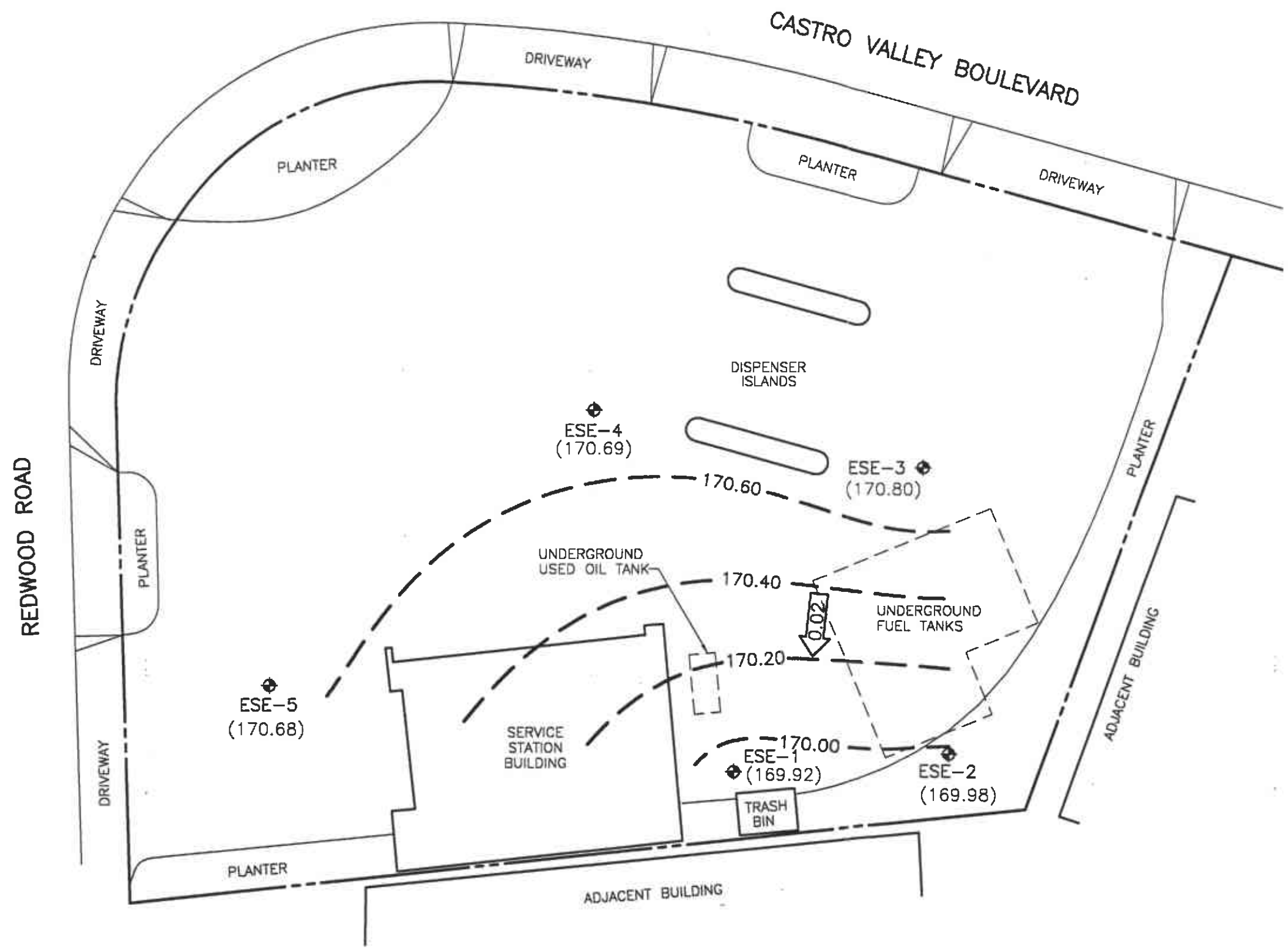


**FIGURE 1**  
**SITE VICINITY MAP**

**BP OIL SERVICE STATION NO. 11105**  
**3515 CASTRO VALLEY BOULEVARD**  
**CASTRO VALLEY, CALIFORNIA**  
**PROJECT NO. 10-138**

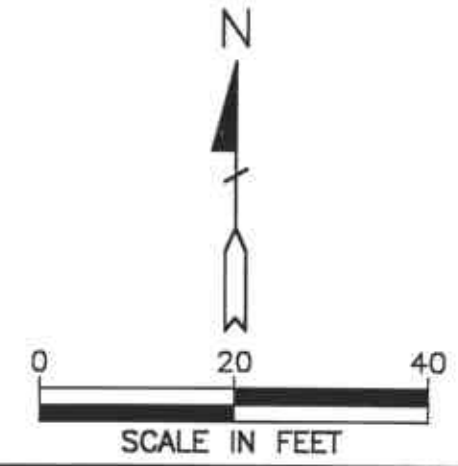
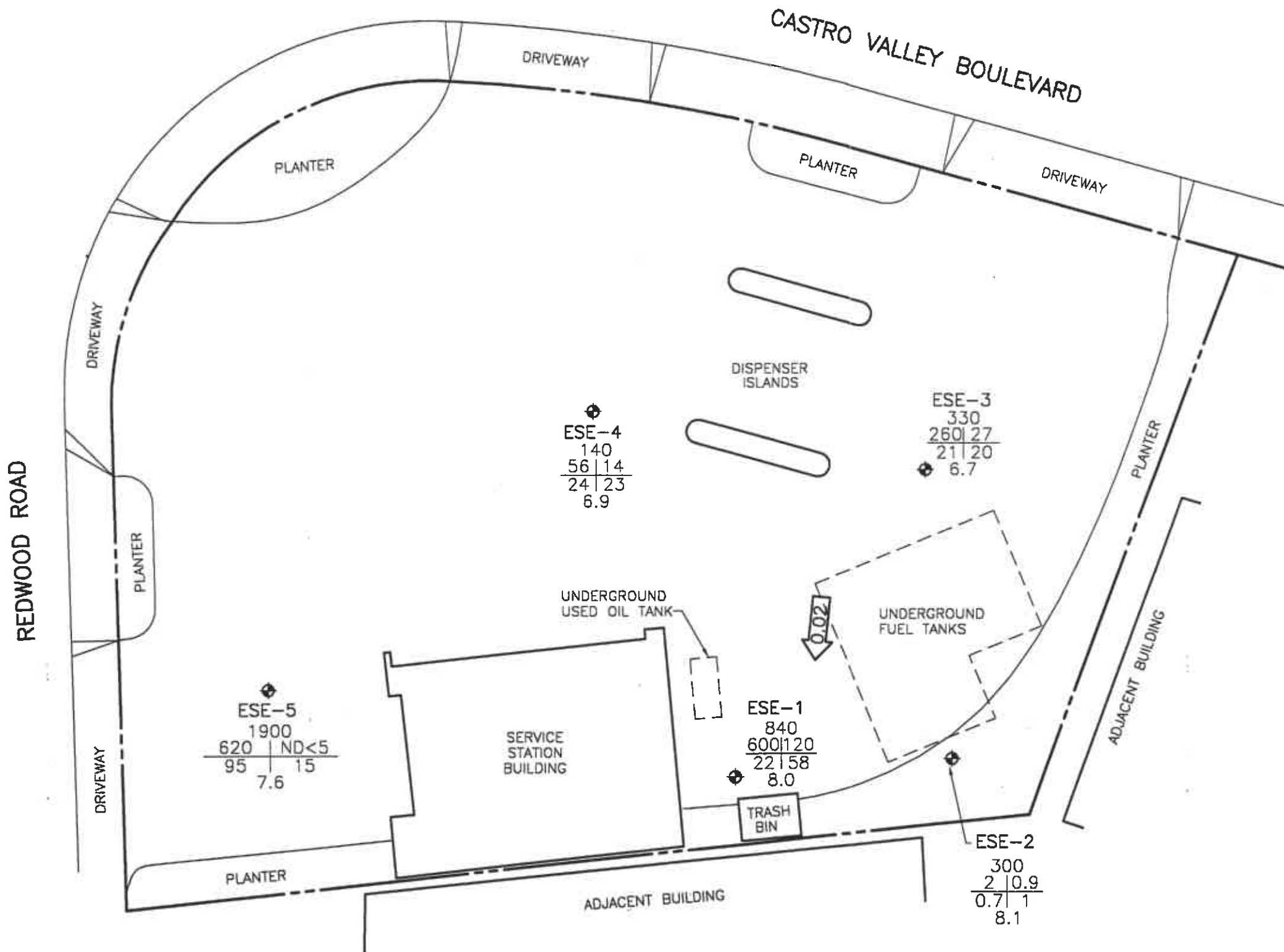


**ALISTO ENGINEERING GROUP**  
 WALNUT CREEK, CALIFORNIA



- LEGEND**
- ◆ GROUNDWATER MONITORING WELL
  - (170.80) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
  - 170.80 - GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL - 0.20 FOOT)
  - ← 0.02 → CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

**FIGURE 2**  
**POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP**  
**JANUARY 19, 1995**  
 BP OIL SERVICE STATION NO. 11105  
 3515 CASTRO VALLEY BOULEVARD  
 CASTRO VALLEY, CALIFORNIA  
 PROJECT NO. 10-138



**LEGEND**

- ◆ GROUNDWATER MONITORING WELL
- TPH-G CONCENTRATION OF CONSTITUENTS IN PARTS PER BILLION, EXCEPT
- B | T DISSOLVED OXYGEN, WHICH IS IN
- E | X PARTS PER MILLION
- DO
- TPH-G TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X TOTAL XYLENES
- DO DISSOLVED OXYGEN
- ND NOT DETECTED ABOVE REPORTED DETECTION LIMIT
- ←0.02 CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

**FIGURE 3**  
**CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER**  
**JANUARY 19, 1995**  
 BP OIL SERVICE STATION NO. 11105  
 3515 CASTRO VALLEY BOULEVARD  
 CASTRO VALLEY, CALIFORNIA  
 PROJECT NO. 10-138



**APPENDIX A**  
**WATER SAMPLING FIELD SURVEY FORMS**

# ALISTO ENGINEERING GROUP GROUNDWATER MONITORING

Client: BP  
 Alisto Project No: 10-138  
 Service Station No: 1105

Date: 1/19/95  
 Field Personnel: LB  
 Site Address: Castro Valley, CA

**FIELD ACTIVITY:**

- Groundwater Monitoring
- Groundwater Sampling
- Well Development

**QUALITY CONTROL SAMPLES:**

- ESE-SQC-1 (S-6) Sample Duplicate (Well ID)
- QC-2 Trip Blank (S-7)
- QC-3 Rinsate Blank

| Well ID  | Well Diam | Order Measured/<br>Sampled | Total Depth | Depth to Water | Depth to Product | Product Thick-ness | Comments<br><br>Sample ID |
|----------|-----------|----------------------------|-------------|----------------|------------------|--------------------|---------------------------|
| ESE MW-1 | 2"        | 4                          | 30.00       | 7.77           | ∅                | ∅                  | S-4                       |
| ESE MW-2 |           | 3                          | 30.00       | 8.25           |                  |                    | S-3                       |
| ESE MW-3 |           | 2                          | 30.00       | 7.40           |                  |                    | S-2                       |
| ESE MW-4 |           | 1                          | 25.00       | 6.97           |                  |                    | S-1                       |
| ESE MW-5 | ↓         | 5                          | 24.00       | 5.40           | ↓                | ↓                  | S-5                       |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |
|          |           |                            |             |                |                  |                    |                           |

Notes:

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# ALISTO

## Field Report / Sampling Data Sheet

ENGINEERING  
GROUP  
1777 OAKLAND BLVD, STE 200  
WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Groundwater Sampling

Date: 11/19/95 Project No. 10-138  
Day: Thurs Station No. 1105  
Weather: Cloudy Address: Castro Valley, CA  
SAMPLER: LBS

| Well ID   | Depth to Water | Diam | Cap/Lock | Product Depth | Thickness | Gal. | Time | Temp *F | pH   | E.C. | D.O. |  |
|---|----------------|------|----------|---------------|-----------|------|------|---------|------|------|------|--|
| ESE-4   | 6.97           | 2"   | OK       | Ø             | Ø         | 3    | 1100 | 67.8    | 6.98 | 1110 | 8.1  | 0 EPA 601  |
| Total Depth - Water Level = x Wall Vol. Factor = x#vol. to Purge = PurgeVol.  |                |      |          |               |           | 6    |      | 67.9    | 7.11 | 1000 |      | <input checked="" type="checkbox"/> TPH-G/BTEX HCL |
| 25.00 - 6.97 = 18.03 x .16 = 2.88 x 3 = 8.64  |                |      |          |               |           | 9    | 1115 | 68.1    | 7.24 | 930  | 6.9  | 0 TPH Diesel                                       |
| Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) <input type="checkbox"/> OSys Port |                |      |          |               |           |      |      |         |      |      |      | 0 TOG 5620   |
| Comments:   |                |      |          |               |           |      |      |         |      |      |      | Time Sampled                                       |
|   |                |      |          |               |           |      |      |         |      |      |      | 1120 / S-1   |

| Well ID   | Depth to Water | Diam | Cap/Lock | Product Depth | Thickness | Gal. | Time | Temp *F | pH   | E.C. | D.O. |  |
|---|----------------|------|----------|---------------|-----------|------|------|---------|------|------|------|--|
| ESE-3   | 7.40           | 2"   | OK       | Ø             | Ø         | 3    | 1123 | 66.2    | 6.99 | 799  | 8.4  | 0 EPA 601  |
| Total Depth - Water Level = x Wall Vol. Factor = x#vol. to Purge = PurgeVol.  |                |      |          |               |           | 6    |      | 67.1    | 7.41 | 540  |      | <input checked="" type="checkbox"/> TPH-G/BTEX HCL |
| 30.00 - 7.40 = 22.60 x .16 = 3.62 x 3 = 10.86   |                |      |          |               |           | 11   | 1135 | 67.7    | 7.52 | 520  | 6.7  | 0 TPH Diesel                                       |
| Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) <input type="checkbox"/> OSys Port |                |      |          |               |           |      |      |         |      |      |      | 0 TOG 5620   |
| Comments:   |                |      |          |               |           |      |      |         |      |      |      | Time Sampled                                       |
|   |                |      |          |               |           |      |      |         |      |      |      | 1145 / S-2   |

| Well ID   | Depth to Water | Diam | Cap/Lock | Product Depth | Thickness | Gal. | Time | Temp *F | pH   | E.C. | D.O. |  |
|---|----------------|------|----------|---------------|-----------|------|------|---------|------|------|------|--|
| ESE-2   | 8.25           | 2"   | OK       | Ø             | Ø         | 4    | 1149 | 64.9    | 7.19 | 766  | 7.6  | 0 EPA 601  |
| Total Depth - Water Level = x Wall Vol. Factor = x#vol. to Purge = PurgeVol.  |                |      |          |               |           | 8    |      | 65.6    | 7.27 | 764  |      | <input checked="" type="checkbox"/> TPH-G/BTEX HCL |
| 30.00 - 8.25 = 21.75 x .16 = 3.48 x 3 = 10.44   |                |      |          |               |           | 11   | 1207 | 67.1    | 7.36 | 764  | 8.1  | 0 TPH Diesel                                       |
| Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) <input type="checkbox"/> OSys Port |                |      |          |               |           |      |      |         |      |      |      | 0 TOG 5620   |
| Comments:   |                |      |          |               |           |      |      |         |      |      |      | Time Sampled                                       |
|   |                |      |          |               |           |      |      |         |      |      |      | 1215 / S-3   |

| Well ID   | Depth to Water | Diam | Cap/Lock | Product Depth | Thickness | Gal. | Time | Temp *F | pH   | E.C. | D.O. |  |
|---|----------------|------|----------|---------------|-----------|------|------|---------|------|------|------|--|
| ESE-1   | 7.77           | 2"   | OK       | Ø             | Ø         | 4    | 1320 | 64.9    | 7.57 | 909  | 8.0  | 0 EPA 601  |
| Total Depth - Water Level = x Wall Vol. Factor = x#vol. to Purge = PurgeVol.  |                |      |          |               |           | 8    |      | 65.5    | 7.41 | 960  |      | <input checked="" type="checkbox"/> TPH-G/BTEX HCL |
| 30.00 - 7.77 = 22.23 x .16 = 3.56 x 3 = 10.68   |                |      |          |               |           | 11   | 1340 | 66.1    | 7.39 | 970  | 8.0  | 0 TPH Diesel                                       |
| Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) <input type="checkbox"/> OSys Port |                |      |          |               |           |      |      |         |      |      |      | 0 TOG 5620   |
| Comments:   |                |      |          |               |           |      |      |         |      |      |      | Time Sampled                                       |
|   |                |      |          |               |           |      |      |         |      |      |      | 1345 / S-4   |

| Well ID   | Depth to Water | Diam | Cap/Lock | Product Depth | Thickness | Gal. | Time | Temp *F | pH   | E.C. | D.O. |  |
|---|----------------|------|----------|---------------|-----------|------|------|---------|------|------|------|--|
| ESE-5   | 5.40           | 2"   | OK       | Ø             | Ø         | 3    | 1400 | 62.9    | 7.57 | 1120 | 7.2  | 0 EPA 601  |
| Total Depth - Water Level = x Wall Vol. Factor = x#vol. to Purge = PurgeVol.  |                |      |          |               |           | 6    |      | 64.7    | 7.63 | 760  |      | <input checked="" type="checkbox"/> TPH-G/BTEX HCL |
| 24.00 - 5.40 = 18.60 x .16 = 2.98 x 3 = 8.94  |                |      |          |               |           | 9    | 1415 | 65.3    | 7.67 | 750  |      | 0 TPH Diesel                                       |
| Purge Method: <input checked="" type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input type="checkbox"/> Disp. Baller(s) <input type="checkbox"/> OSys Port |                |      |          |               |           |      |      |         |      |      | 7.6  | 0 TOG 5620   |
| Comments: QC-1 taken from this well   |                |      |          |               |           |      |      |         |      |      |      | Time Sampled                                       |
|   |                |      |          |               |           |      |      |         |      |      |      | 1425 / S-5   |

**APPENDIX B**

**LABORATORY REPORT AND CHAIN OF CUSTODY RECORD**



SIGNATURE PAGE

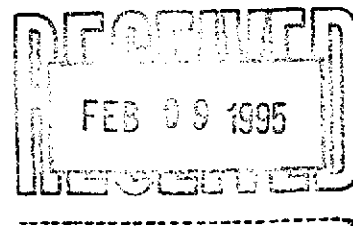
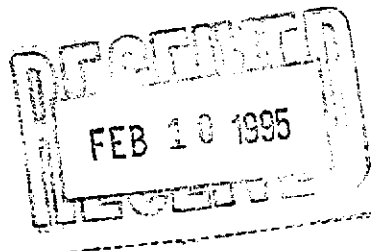
Reviewed by:

Melissa L. Pope  
ATI Project Manager

Client: BP OIL COMPANY  
RENTON, WASHINGTON

Project Name: BP SITE #11105  
Project Number: 10-138-02-004  
Project Location: CASTRO VALLEY, CA  
Accession Number: 501536

Project Manager: BILL HOWELL (ALISTO ENG., CA), SCOTT HOOTON (BP OIL)  
Sampled By: LARRY BUENVEINDA



Analysis Report

Analysis: CA-LUFT BETX AND TPH C6-C10 RANGE

|                   |                   |
|-------------------|-------------------|
| Accession:        | 501536            |
| Client:           | BP OIL COMPANY    |
| Project Number:   | 10-138-02-004     |
| Project Name:     | BP SITE #11105    |
| Project Location: | CASTRO VALLEY, CA |
| Department:       | GC/VOA            |

"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
Client: BP OIL COMPANY  
Project Number: 10-138-02-004  
Project Name: BP SITE #11105  
Project Location: CASTRO VALLEY, CA  
Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
Extraction Method: N/A  
Matrix: WATER  
QC Level: N

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Lab Id: 001 Sample Date/Time: 19-JAN-95 N/S  
Client Sample Id: S-1 Received Date: 21-JAN-95  
Batch: GRW002 Extraction Date: N/A  
Blank: B Dry Weight %: N/A Analysis Date: 02-FEB-95

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | 56       | 0.5       |    |
| TOLUENE                     | UG/L      | 14       | 0.5       |    |
| ETHYLBENZENE                | UG/L      | 24       | 0.5       |    |
| XYLENES (TOTAL)             | UG/L      | 23       | 1         |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | 0.14     | 0.050     |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 78       | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 81       | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
Client: BP OIL COMPANY  
Project Number: 10-138-02-004  
Project Name: BP SITE #11105  
Project Location: CASTRO VALLEY, CA  
Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
Extraction Method: N/A  
Matrix: WATER  
QC Level: N

Lab Id: 002  
Client Sample Id: S-2  
Sample Date/Time: 19-JAN-95 N/S  
Received Date: 21-JAN-95  
Batch: GRW002  
Blank: B  
Dry Weight %: N/A  
Extraction Date: N/A  
Analysis Date: 02-FEB-95

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | 260      | 0.5       |    |
| TOLUENE                     | UG/L      | 27       | 0.5       |    |
| ETHYLBENZENE                | UG/L      | 21       | 0.5       |    |
| XYLENES (TOTAL)             | UG/L      | 20       | 1         |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | 0.33     | 0.050     |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 75       | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 70       | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:



"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
Client: BP OIL COMPANY  
Project Number: 10-138-02-004  
Project Name: BP SITE #11105  
Project Location: CASTRO VALLEY, CA  
Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
Extraction Method: N/A  
Matrix: WATER  
QC Level: N

Lab Id: 003 Sample Date/Time: 19-JAN-95 N/S  
Client Sample Id: S-3 Received Date: 21-JAN-95

Batch: GRW002 Extraction Date: N/A  
Blank: B Dry Weight %: N/A Analysis Date: 02-FEB-95

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | 2        | 0.5       |    |
| TOLUENE                     | UG/L      | 0.9      | 0.5       |    |
| ETHYLBENZENE                | UG/L      | 0.7      | 0.5       |    |
| XYLENES (TOTAL)             | UG/L      | 1        | 1         |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | 0.30     | 0.050     |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 119      | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 108      | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
Client: BP OIL COMPANY  
Project Number: 10-138-02-004  
Project Name: BP SITE #11105  
Project Location: CASTRO VALLEY, CA  
Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
Extraction Method: N/A  
Matrix: WATER  
QC Level: N

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Lab Id: 004 Sample Date/Time: 19-JAN-95 N/S  
Client Sample Id: S-4 Received Date: 21-JAN-95  
Batch: GRW002 Extraction Date: N/A  
Blank: B Dry Weight %: N/A Analysis Date: 02-FEB-95

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | 600      | 5         |    |
| TOLUENE                     | UG/L      | 120      | 5         |    |
| ETHYLBENZENE                | UG/L      | 22       | 5         |    |
| XYLENES (TOTAL)             | UG/L      | 58       | 10        |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | 0.84     | 0.5       |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 115      | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 84       | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
 Client: BP OIL COMPANY  
 Project Number: 10-138-02-004  
 Project Name: BP SITE #11105  
 Project Location: CASTRO VALLEY, CA  
 Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
 Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
 Extraction Method: N/A  
 Matrix: WATER  
 QC Level: N

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|                   |                   |                   |               |
|-------------------|-------------------|-------------------|---------------|
| Lab Id:           | 005               | Sample Date/Time: | 19-JAN-95 N/S |
| Client Sample Id: | S-5               | Received Date:    | 21-JAN-95     |
| Batch: GRW002     |                   | Extraction Date:  | N/A           |
| Blank: B          | Dry Weight %: N/A | Analysis Date:    | 02-FEB-95     |

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | 620      | 5         |    |
| TOLUENE                     | UG/L      | ND       | 5         |    |
| ETHYLBENZENE                | UG/L      | 95       | 5         |    |
| XYLENES (TOTAL)             | UG/L      | 15       | 10        |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | 1.9      | 0.5       |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 102      | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 85       | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
Client: BP OIL COMPANY  
Project Number: 10-138-02-004  
Project Name: BP SITE #11105  
Project Location: CASTRO VALLEY, CA  
Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
Extraction Method: N/A  
Matrix: WATER  
QC Level: N

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Lab Id: 006 Sample Date/Time: 19-JAN-95 N/S  
Client Sample Id: S-6 Received Date: 21-JAN-95  
Batch: GRW002 Extraction Date: N/A  
Blank: B Dry Weight %: N/A Analysis Date: 02-FEB-95

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | 620      | 5         |    |
| TOLUENE                     | UG/L      | ND       | 5         |    |
| ETHYLBENZENE                | UG/L      | 93       | 5         |    |
| XYLENES (TOTAL)             | UG/L      | 17       | 10        |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | 1.6      | 0.5       |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 103      | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 94       | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 501536  
 Client: BP OIL COMPANY  
 Project Number: 10-138-02-004  
 Project Name: BP SITE #11105  
 Project Location: CASTRO VALLEY, CA  
 Test: CA-LUFT BETX AND TPH C6-C10 RANGE  
 Analysis Method: 5030/8020/8015/SW 846, 3rd Edition, Sep. 1986 and Rev. 1, July 1992  
 Extraction Method: N/A  
 Matrix: WATER  
 QC Level: N

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Lab Id: 007 Sample Date/Time: 19-JAN-95 N/S  
 Client Sample Id: S-7 Received Date: 21-JAN-95  
 Batch: GRW002 Extraction Date: N/A  
 Blank: B Dry Weight %: N/A Analysis Date: 02-FEB-95

| Parameter:                  | Units:    | Results: | Rpt Lmts: | Q: |
|-----------------------------|-----------|----------|-----------|----|
| BENZENE                     | UG/L      | ND       | 0.5       |    |
| TOLUENE                     | UG/L      | ND       | 0.5       |    |
| ETHYLBENZENE                | UG/L      | ND       | 0.5       |    |
| XYLENES (TOTAL)             | UG/L      | ND       | 1         |    |
| TOTAL PETROLEUM HYDROCARBON | MG/L      | ND       | 0.050     |    |
| TRIFLUOROTOLUENE (PID)      | %REC/SURR | 110      | 63-135    |    |
| TRIFLUOROTOLUENE (FID)      | %REC/SURR | 110      | 63-135    |    |
| ANALYST                     | INITIALS  | KWS      |           |    |

Comments:

## "Method Report Summary"

Accession Number: 501536  
 Client: BP OIL COMPANY  
 Project Number: 10-138-02-004  
 Project Name: BP SITE #11105  
 Project Location: CASTRO VALLEY, CA  
 Test: CA-LUFT BETX AND TPH C6-C10 RANGE

| Client Sample Id: | Parameter:                  | Unit: | Result: |
|-------------------|-----------------------------|-------|---------|
| S-1               | BENZENE                     | UG/L  | 56      |
|                   | TOLUENE                     | UG/L  | 14      |
|                   | ETHYLBENZENE                | UG/L  | 24      |
|                   | XYLENES (TOTAL)             | UG/L  | 23      |
|                   | TOTAL PETROLEUM HYDROCARBON | MG/L  | 0.14    |
| S-2               | BENZENE                     | UG/L  | 260     |
|                   | TOLUENE                     | UG/L  | 27      |
|                   | ETHYLBENZENE                | UG/L  | 21      |
|                   | XYLENES (TOTAL)             | UG/L  | 20      |
|                   | TOTAL PETROLEUM HYDROCARBON | MG/L  | 0.33    |
| S-3               | BENZENE                     | UG/L  | 2       |
|                   | TOLUENE                     | UG/L  | 0.9     |
|                   | ETHYLBENZENE                | UG/L  | 0.7     |
|                   | XYLENES (TOTAL)             | UG/L  | 1       |
|                   | TOTAL PETROLEUM HYDROCARBON | MG/L  | 0.30    |
| S-4               | BENZENE                     | UG/L  | 600     |
|                   | TOLUENE                     | UG/L  | 120     |
|                   | ETHYLBENZENE                | UG/L  | 22      |
|                   | XYLENES (TOTAL)             | UG/L  | 58      |
|                   | TOTAL PETROLEUM HYDROCARBON | MG/L  | 0.84    |
| S-5               | BENZENE                     | UG/L  | 620     |
|                   | ETHYLBENZENE                | UG/L  | 95      |
|                   | XYLENES (TOTAL)             | UG/L  | 15      |
|                   | TOTAL PETROLEUM HYDROCARBON | MG/L  | 1.9     |
| S-6               | BENZENE                     | UG/L  | 620     |
|                   | ETHYLBENZENE                | UG/L  | 93      |
|                   | XYLENES (TOTAL)             | UG/L  | 17      |
|                   | TOTAL PETROLEUM HYDROCARBON | MG/L  | 1.6     |

Common notation for Organic reporting

N/S = NOT SUBMITTED  
N/A = NOT APPLICABLE  
D = DILUTED OUT  
UG/L = PARTS PER BILLION.  
MG/KG = PARTS PER MILLION.  
MG/L = PARTS PER MILLION.  
< = LESS THAN DETECTION LIMIT.  
\* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS  
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM  
AND REFERENCED METHOD.  
ORGANIC SOILS ARE REPORTED ON A DRY WEIGHT BASIS.  
\*\* COMPOUNDS FLAGGED IN METHOD ARE NOT WITHIN THE FIVE POINT CURVE. THEY  
ARE SEARCHED FOR QUALITATIVELY.  
ND = NOT DETECTED ABOVE REPORTING LIMIT.

SR-SHELLEY REAMSMA  
DC-DAVID CELESTIAL  
LKD-LEIGH DUVALL  
MM-MIKE MCKENZIE  
KWS-KENDALL SMITH  
KKS-KIMBERLY SMITH  
GF-GREG FOOTE  
NC-NICOLE CALL  
JA-JENNIFER ALEXANDER  
PAM-PENNY A. MALOUIN  
MCW-MARIE CLAUDIA WALTON  
SB-SHARON BRADDOCK  
KF-KAROLE FERGUSON  
SC-SCOTT CLARK  
AM-AMANDA MCCRAY



# CHAIN OF CUSTODY 501536 No.052508

CONSULTANT'S NAME: Alisto Engineering ADDRESS: 1777 Oakland Blvd #200 Walnut Creek CITY: CA STATE: CA ZIP CODE: 94596

BP SITE NUMBER: 11105 BP CORNER ADDRESS/CITY: Castro Valley, CA CONSULTANT PROJECT NUMBER: 10-138-02-004

CONSULTANT PROJECT MANAGER: Bill Howell PHONE NUMBER: (510) 295-1650 FAX NUMBER: 295-1823 CONSULTANT CONTRACT NUMBER:

BP CONTACT: Scott Hooton BP ADDRESS: Kenton, WA PHONE NUMBER: FAX NO.:

LAB CONTACT: ATI LABORATORY ADDRESS: Pensacola, FL PHONE NUMBER: (206) 228-8335 FAX NO.: (206) 363-1742

SAMPLED BY (Please Print Name): Larry Buenvenida SAMPLED BY (Signature): [Signature] SHIPMENT DATE: SHIPMENT METHOD: Fed. Express

TAT:  24 Hours  48 Hours  1 Week  Standard 2 Weeks ANALYSIS REQUIRED

AIRBILL NUMBER:

| SAMPLE DESCRIPTION | COLLECTION DATE | MATRIX SOIL/WATER | CONTAINERS |             | PRESERVATIVE | COMMENTS |
|--------------------|-----------------|-------------------|------------|-------------|--------------|----------|
|                    | COLLECTION TIME |                   | NO.        | TYPE (VOL.) | LAB SAMPLE # |          |
| S-1                | 1/19/95         | W                 | 2          | 4cc         | pres.        | S-7      |
| S-2                | ↓               | ↓                 | ↓          | ↓           | ↓            |          |
| S-3                | ↓               | ↓                 | ↓          | ↓           | ↓            |          |
| S-4                | ↓               | ↓                 | ↓          | ↓           | ↓            |          |
| S-5                | ↓               | ↓                 | ↓          | ↓           | ↓            |          |
| S-6                | ↓               | ↓                 | ↓          | ↓           | ↓            |          |
| S-7                | ↓               | ↓                 | ↓          | ↓           | ↓            |          |

| RELINQUISHED BY / AFFILIATION | DATE           | TIME | ACCEPTED BY / AFFILIATION | DATE             | TIME        | ADDITIONAL COMMENTS     |
|-------------------------------|----------------|------|---------------------------|------------------|-------------|-------------------------|
| <u>[Signature]</u>            | <u>1/20/95</u> |      | <u>[Signature]</u>        | <u>21-Jan-95</u> | <u>1007</u> | <u>COOLER TEMP. 40C</u> |