



70392

LETTER OF TRANSMITTAL

*Review
6/19/03
[Signature]*

May 27, 2003

TO: Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

FROM: Henry Barrientos
URS Corporation
55 South Market Street, Suite 1500
San Jose, CA 95113

SUBJECT: Final Soil Sampling report for Arco Station 2185

Enclosed you will find one copy of the Soil Sampling Report for the line/dispenser upgrade work performed at Arco Stations 2185 in Oakland, CA. Should you have any questions regarding these reports please call me at 408-297-9585.

Regards,

Cc: Scott Robinson, URS
Paul Supple, BP
Hernan Gomez, OFD



May 19, 2003

Mr. Hernan E. Gomez
Oakland Fire Department,
Hazardous Materials
1605 Martin Luther King Jr. Way
Oakland, CA 94612

Re: **Product Line Removal and Upgrade Soil Sampling Report**
ARCO Service Station No. 2185
9800 East 14th Street
Oakland, California
URS Project No. 38486049

Dear Mr. Gomez:

URS Corporation (URS) has prepared this report on behalf of BP West Coast Products, LLC to document soil sampling conducted during the removal and replacement of product lines and dispensers only, at the site referenced above.

Site Background

The site is located at 9800 East 14th Street, Oakland, California (Figures 1 and 2). Currently, the site is operated as an ARCO gasoline service station. The site is bound by 98th Avenue to the north, East 14th Street to the west, and commercial buildings to the east and south. The majority of the property is concrete and asphalt paved.

Current site structures include four double-walled fiberglass gasoline underground storage tanks (USTs), two pump islands with four dispensers, and a convenience store.

Soil Sampling – Dispensers and Line Sampling

During line upgrade and removal activities on November 12, 2002, all dispensers and related double walled fiberglass piping was removed by the contractor, B&M Construction. Prior to collecting soil samples, all sampling locations were reviewed, marked in the field, and approved by Mr. Hernan E. Gomez with the City of Oakland Fire Department, Hazardous Materials. URS personnel collected soil samples below each dispenser and along the fuel-piping trenches.

Prior to sampling, URS personnel inspected the fuel pipelines for any observable cracks or deterioration. In addition, sampling locations were inspected for any soil staining, hydrocarbon odor, and field screened using a Photo Ionization Detector (PID) to help determine if volatile organic compounds were present. No observable cracks, deterioration, soil staining, odors or measurable PID readings were reported and no over-excavation was performed.

URS Corporation
55 South Market Street, Suite 1500
San Jose, CA 95113
Tel: 408.297.9585
Fax: 408.297.6962

Under URS direction, the contractor operated the backhoe bucket and excavated at the sampling locations to the specified depths. URS personnel collected soil samples using 4-inch long by 2-inch in diameter brass tubes pushed into the native soil. Samples were collected as follows:

- Four soil samples (designated DI-1 through DI-4) were collected at depths varying between 4.5 feet and 6.5 feet below ground surface (bgs) at the former dispenser locations (Figure 2).
- Four soil samples (designated LS-1 through LS-4) were collected at depths varying between 4.5 feet and 6 feet bgs in the former product line trenches (Figure 2).

Samples were submitted to a California State Certified laboratory, Sequoia Analytical Laboratory (Lab) in Morgan Hill, California for analysis. Soil samples were analyzed by EPA Method 8260B for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl tert-butyl ether (MTBE). Total lead (Pb) was analyzed by EPA Method 6000/7000.

All dispenser and product line soil samples reported non-detect (ND) concentrations for TPHg, BTEX and MTBE (Table 1).

Stockpile Sampling and Disposal

The soil excavated during the removal and replacement of the product lines and dispensers was stockpiled separately from visually clean native soil designated as backfill.

On November 14, 2002, URS personnel collected four discrete soil samples from the stockpiled soil on-site, and submitted them to the Lab for TPHg/BTEX/MTBE and Total Lead analysis. The four soil samples collected in the field were composited by the Lab into one soil sample labeled SP (1-4). The stockpile soil sample reported ND concentrations for TPHg, BTEX and MTBE (Table 1). Total Pb concentrations were reported at 56 ppm (Table 3).

Subsequently, Dillard Environmental used the analytical results from the product line/dispenser samples and stockpiled soil to profile and dispose of the soil. On December 23, 2002 Dillard removed approximately 70 tons of soil from the site and transported it to Republic Landfill in Livermore, California (a Class II landfill).

Field and laboratory procedures are presented in Attachment A. Laboratory analytical reports and chain-of-custody documentation is presented in Attachment B. Field Sampling Data Sheets are presented in Attachment C. Copies of the soil waste manifests are presented in Attachment D. The Unauthorized Release Report (URR), if warranted, is included in Attachment E.

Conclusions

Based on the analytical data collected during the product line and dispenser island upgrades URS concludes the following:

- No over-excavation was performed at this site since no obvious stained soil, hydrocarbon odors or PID readings were encountered in the field. Subsequent soil sample analytical results supported the decision not to over-excavate.
- All pre-existing double-walled fiberglass product lines and fuel dispensers were removed and replaced in approximately the same locations, backfilled with pea gravel, and paved with concrete.
- No unauthorized release report was required for this site, since soil analytical results were non-detect for all constituents.

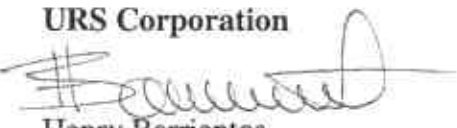
This report is based on data, site conditions, and other information that are generally applicable as of the date of the report, and the conclusions and recommendations herein are therefore applicable only to that time frame.

Background information, including but not limited to previous field measurements, site plans, and other data, has been furnished to URS by BP, its previous consultants, and/or third parties that URS has used in preparing this report. URS has relied on this information as furnished. URS is not responsible for nor has it confirmed the accuracy of this information.

If you have any questions or comments regarding this report, please contact Scott Robinson with URS at (510) 874-3280.

Sincerely,

URS Corporation


Henry Barrientos
Project Engineer


Scott Robinson
Project Manager

Table 1 – Line Upgrade Soil Analytical Data

Figure 1 - Site Location Map

Figure 2 - Site Map with Sample Locations

Attachment A - Field and Laboratory Procedures

Attachment B - Laboratory Analytical Laboratory Reports and Chain-of-Custody

Attachment C –Field Sampling Data Sheets

Attachment D –Waste Manifests

Attachment E –Unauthorized Release Report (if required)

cc: Mr. Paul Supple, Atlantic Richfield Company
Barney Chan, Alameda County Health Care Services Agency
Project and Chron files

Soil Analytical Data
 ARCO Service Station 2185
 9800 East 14th Street
 Oakland, California

TABLE 1
LINE/DISPENSERS SOIL SAMPLE RESULTS

| Soil Sample ID | Sample Depth (feet) | Date Sampled | TPH as Gasoline (ppm) | Benzene (ppm) | Toluene (ppm) | Ethylbenzene (ppm) | Xylenes (ppm) | MTBE (ppm) |
|----------------|---------------------|--------------|-----------------------|---------------|---------------|--------------------|---------------|------------|
| DI-1 | 4.5 | 11/12/02 | ND<1800 | ND<18 | ND<18 | ND<18 | ND<18 | ND<18 |
| DI-2 | 6 | 11/12/02 | ND<1900 | ND<19 | ND<19 | ND<19 | ND<19 | ND<19 |
| DI-3 | 6.5 | 11/12/02 | ND<1700 | ND<17 | ND<17 | ND<17 | ND<17 | ND<17 |
| DI-4 | 5 | 11/12/02 | ND<2500 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 |
| LS-1 | 4.5 | 11/12/02 | ND<1900 | ND<19 | ND<19 | ND<19 | ND<19 | ND<19 |
| LS-2 | 6 | 11/12/02 | ND<2300 | ND<23 | ND<23 | ND<23 | ND<23 | ND<23 |
| LS-3 | 6 | 11/12/02 | ND<2000 | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 |
| LS-4 | 6 | 11/12/02 | ND<2200 | ND<22 | ND<22 | ND<22 | ND<22 | ND<22 |

TABLE 2
STOCKPILE SAMPLE RESULTS

| Soil Sample ID | Sample Depth (feet) | Date Sampled | TPH as Gasoline (ppm) | Benzene (ppm) | Toluene (ppm) | Ethylbenzene (ppm) | Xylenes (ppm) | MTBE (ppm) | Total Pb (ppm) |
|----------------|---------------------|--------------|-----------------------|---------------|---------------|--------------------|---------------|------------|----------------|
| SP (1-4) | stockpile | 11/14/02 | ND<0.5 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.5 | 56 |

TPH = Total purgeable petroleum hydrocarbons using EPA Method 8260B.
 BTEX = Benzene, toluene, ethylbenzene, total xylenes using EPA Method 8260B.
 MTBE = Methyl Tertiary Butyl Ether using EPA Method 8260B.
 Total Pb = Total lead by EPA Method 6000/7000.
 ppb = Parts per billion.
 ppm = Parts per million.
 ND< = Less than stated laboratory detection limit.



NORTH

ELMHURST

185

PROJECT LOCATION

94TH AVE

SUNNYSIDE STREET

BANCROFT AVE

VERDESE CARTER PARK

99TH AVE

100TH AVE

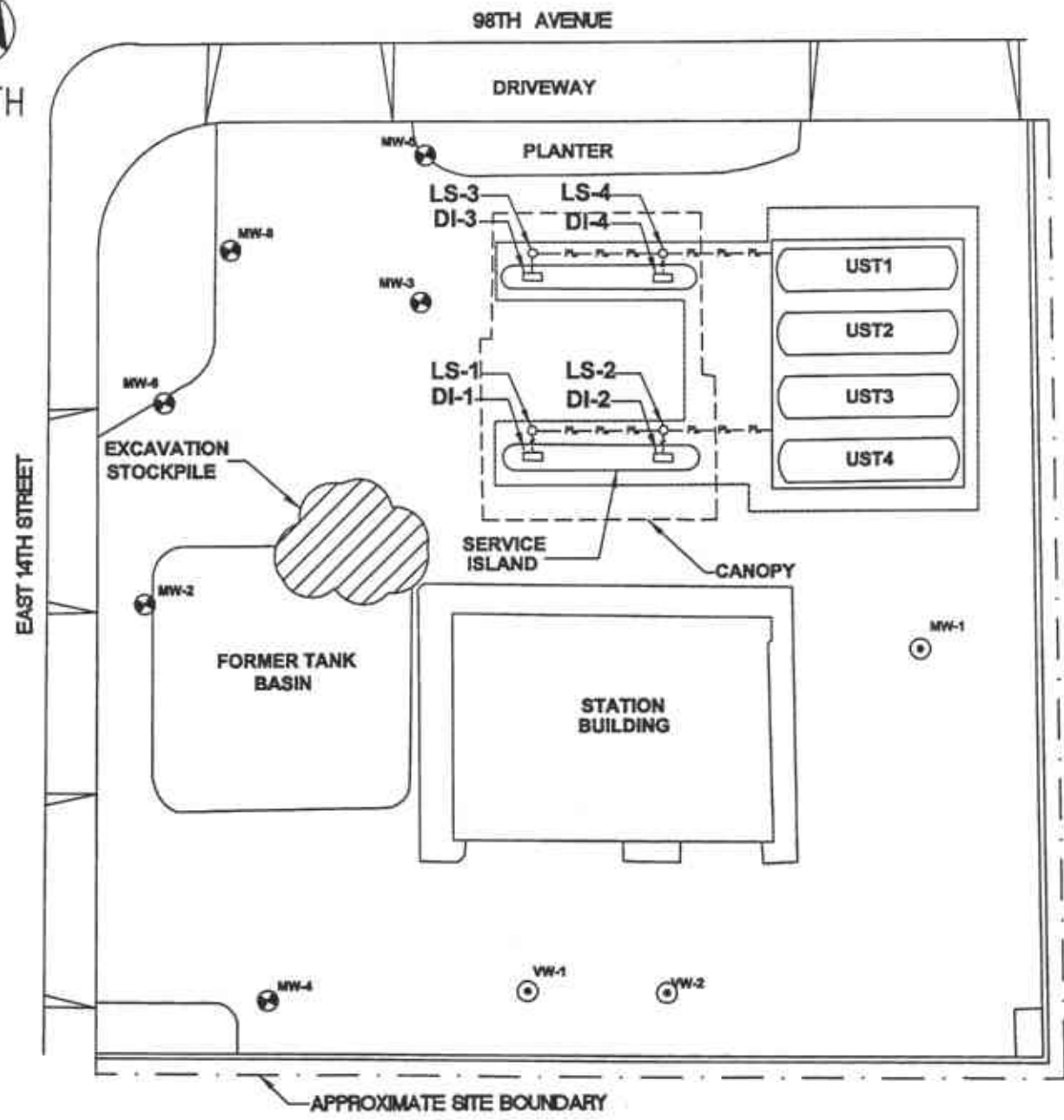
ELMHURST PLAZA

100TH AVE

INTERNATIONAL BLVD

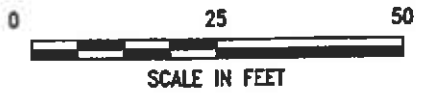
200 m 1000 ft

| | | | |
|------------|---|-------------------|-------------|
| URS | Project No. 38486049 | SITE LOCATION MAP | Figure 1 |
| | ARCO Service Station 2185 9800 East 14th Street Oakland, California | | |



LEGEND:

- LS-1 FUEL LINE SAMPLING LOCATION
- DI FUEL DISPENSER/SUMP SAMPLING LOCATION
- VW-1 GROUNDWATER MONITORING WELL
- MW-1 GROUNDWATER EXTRACTION WELL
- - - EXPOSED PRODUCT LINE PIPING
- APPROXIMATE LIMITS OF EXCAVATION



| | | | |
|------------|---|--|-------------|
| URS | Project No. 38486049 | SOIL SAMPLING LOCATION PLAN NOVEMBER 12, 2002 | Figure 2 |
| | ARCO Service Station 2185 9800 East 14th Street Oakland, California | | |

ATTACHMENT A
FIELD AND LABORATORY PROCEDURES

Attachment A

Field and Laboratory Procedures

Soil Sampling

Soil samples were collected by advancing a 4-inch long by 2-inch in diameter brass sample liners into undisturbed soil. Soil samples for chemical analysis were retained in the brass liners, capped with Teflon sheets and plastic end caps, and labeled. The samples were then placed on ice, and transported to the laboratory accompanied by the appropriate chain-of-custody documentation.

Laboratory Analysis of Soil Samples

Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MTBE), and total lead (Pb) by EPA Methods 8260B and 6000/7000, respectively.



URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0455
Reported:
11/18/02 14:24

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------|---------------|--------|----------------|----------------|
| SP (1-4) Composite | MLK0455-01 | Soil | 11/14/02 11:00 | 11/14/02 10:15 |

There were no custody seals that were received with this project.

URS Corporation [1]
 2870 Gateway Oaks Dr., Ste 300
 Sacramento CA, 95833

 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0455
Reported:
 11/18/02 14:24

Total Purgeable Hydrocarbons and BTEX by DHS LUFT
Sequoia Analytical - Sacramento

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|----------|-------|
| SP (1-4) Composite (MLK0455-01) Soil Sampled: 11/14/02 11:00 Received: 11/14/02 10:15 | | | | | | | | | |
| Purgeable Hydrocarbons | ND | 0.50 | mg/kg | 1 | 2110221 | 11/14/02 | 11/14/02 | DHS LUFT | |
| Benzene | ND | 0.0050 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | | 79 % | | 60-140 | " | " | " | " | |



URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0455
Reported:
11/18/02 14:24

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| SP (1-4) Composite (MLK0455-01) Soil Sampled: 11/14/02 11:00 Received: 11/14/02 10:15 | | | | | | | | | |
| Lead | 56 | 10 | mg/kg | 4 | 2110234 | 11/15/02 | 11/17/02 | EPA 6010B | |

URS Corporation [1]
 2870 Gateway Oaks Dr., Ste 300
 Sacramento CA, 95833

 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0455
 Reported:
 11/18/02 14:24

Total Purgeable Hydrocarbons and BTEX by DHS LUFT - Quality Control Sequoia Analytical - Sacramento

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 2110221 - EPA 5030B (MeOH)
Blank (2110221-BLK1)

Prepared & Analyzed: 11/14/02

| | | | | | | | | | | |
|--|---------------|--------|-------|---------------|--|-----------|---------------|--|--|--|
| Purgeable Hydrocarbons | ND | 0.50 | mg/kg | | | | | | | |
| Benzene | ND | 0.0050 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.0050 | " | | | | | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>0.0196</i> | | " | <i>0.0200</i> | | <i>98</i> | <i>60-140</i> | | | |

Laboratory Control Sample (2110221-BS1)

Prepared & Analyzed: 11/14/02

| | | | | | | | | | | |
|--|---------------|--------|-------|---------------|--|-----------|---------------|--|--|--|
| Benzene | 0.0150 | 0.0050 | mg/kg | 0.0200 | | 75 | 70-130 | | | |
| Toluene | 0.0176 | 0.0050 | " | 0.0200 | | 88 | 70-130 | | | |
| Ethylbenzene | 0.0187 | 0.0050 | " | 0.0200 | | 94 | 70-130 | | | |
| Xylenes (total) | 0.0569 | 0.0050 | " | 0.0600 | | 95 | 70-130 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>0.0198</i> | | " | <i>0.0200</i> | | <i>99</i> | <i>60-140</i> | | | |

Matrix Spike (2110221-MS1)

Source: S211099-13

Prepared: 11/14/02 Analyzed: 11/15/02

| | | | | | | | | | | |
|--|---------------|--------|-------|---------------|----|-----------|---------------|--|--|--|
| Benzene | 0.0130 | 0.0050 | mg/kg | 0.0200 | ND | 65 | 60-140 | | | |
| Toluene | 0.0158 | 0.0050 | " | 0.0200 | ND | 79 | 60-140 | | | |
| Ethylbenzene | 0.0167 | 0.0050 | " | 0.0200 | ND | 84 | 60-140 | | | |
| Xylenes (total) | 0.0511 | 0.0050 | " | 0.0600 | ND | 85 | 60-140 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>0.0178</i> | | " | <i>0.0200</i> | | <i>89</i> | <i>60-140</i> | | | |

Matrix Spike Dup (2110221-MSD1)

Source: S211099-13

Prepared: 11/14/02 Analyzed: 11/15/02

| | | | | | | | | | | |
|--|---------------|--------|-------|---------------|----|-----------|---------------|----|----|-------|
| Benzene | 0.0101 | 0.0050 | mg/kg | 0.0200 | ND | 50 | 60-140 | 25 | 25 | QR-07 |
| Toluene | 0.0122 | 0.0050 | " | 0.0200 | ND | 61 | 60-140 | 26 | 25 | QR-07 |
| Ethylbenzene | 0.0129 | 0.0050 | " | 0.0200 | ND | 64 | 60-140 | 26 | 25 | QR-07 |
| Xylenes (total) | 0.0401 | 0.0050 | " | 0.0600 | ND | 67 | 60-140 | 24 | 25 | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>0.0128</i> | | " | <i>0.0200</i> | | <i>64</i> | <i>60-140</i> | | | |



URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0455
Reported:
11/18/02 14:24

**Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Sacramento**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Batch 2110234 - EPA 3050B | | | | | | | | | | |
| Blank (2110234-BLK1) Prepared: 11/15/02 Analyzed: 11/17/02 | | | | | | | | | | |
| Lead | ND | 10 | mg/kg | | | | | | | |
| Laboratory Control Sample (2110234-BS1) Prepared: 11/15/02 Analyzed: 11/17/02 | | | | | | | | | | |
| Lead | 47.9 | 10 | mg/kg | 50.0 | | 96 | 80-120 | | | |
| Matrix Spike (2110234-MS1) Source: S211347-01 Prepared: 11/15/02 Analyzed: 11/17/02 | | | | | | | | | | |
| Lead | 52.3 | 10 | mg/kg | 50.0 | ND | 89 | 80-120 | | | |
| Matrix Spike Dup (2110234-MSD1) Source: S211347-01 Prepared: 11/15/02 Analyzed: 11/17/02 | | | | | | | | | | |
| Lead | 51.1 | 10 | mg/kg | 50.0 | ND | 87 | 80-120 | 2 | 20 | |



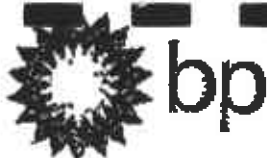
URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0455
Reported:
11/18/02 14:24

Notes and Definitions

- QR-07 The RPD was outside QC acceptance limits. The results may still be useful for their intended purpose.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



Chain of Custody Record

Project Name

STATION 2185

BP/BUGEM CO Portfolio:

MLK0955

BP Laboratory Contract Number:

Requested Due Date (mm/dd/yy)

48 HOUR

Date: 11-14-02

| | |
|------------------------|------------|
| On-site Time: 9:00 AM | Temp: |
| Off-site Time: 1:45 | Temp: |
| Sky Conditions: Cloudy | |
| Meteorological Events: | |
| Wind Speed: | Direction: |

| | | |
|-------------------------|--|--|
| Send To: | BP/GEM Facility No.: 2185 | Consultant/Contractor: MRS CORP. |
| Lab Name: MORGAN HILL | BP/GEM Facility Address: 9800 EAST 14TH ST. DAKOTA | Address: 2870 GATEWAY OAKS DR. |
| Lab Address: | Site ID No. | SUITE 300 SAC CA 95833 |
| | Site Lat/Long: | e-mail FDD: |
| | California Global ID #: | Consultant/Contractor Project No.: |
| Lab PM: LATONYA PELT | BP/GEM PM Contact: PAUL SUPPLE | Consultant/Contractor Tele/Fax: 510-871-3296 |
| Site/Fax: | Address: | Consultant/Contractor PM: BARBARA JAKUB |
| Report Type & QC Level: | | Invoice to: Consultant/Contractor or BP/GEM (Circle one) |
| BP/GEM Account No.: | Tele/Fax: 925-299-8891 | BP/GEM Work Release No.: |

| Item No. | Sample Description | Time | Matrix | | | | Laboratory No. | No. of containers | Preservatives | | | | Requested Analysis | | | | Sample Point Lat/Long and Comments |
|----------|--------------------|-------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|-----|--------------------|----------|----------|-----------|------------------------------------|
| | | | Soil/Solid | Water/Liquid | Sediments | Air | | | Unpreserved | H ₂ SO ₄ | HNO ₃ | HCl | MLK 8023 | BTEX/PHC | EPA 8260 | EPA 8270 | |
| 1 | SP-1-4 | 11:00 | X | | | | 4 | | | | | X | | | X | COMPOSITE | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | | | | | | |
|-----------------------------|--|----------------|-------------|--|----------------|------------|
| Sample's Name: Bill CERRITO | Relinquished By / Affiliation: [Signature] | Date: 11/14/02 | Time: 10:45 | Accepted By / Affiliation: [Signature] | Date: 11/14/02 | Time: 10:5 |
| Sample's Company: MRS CORP | 11/14/02 | | | | | |
| Shipment Date: 11-14-02 | | | | | | |
| Shipment Method: | | | | | | |
| Shipment Trucking No: | | | | | | |
| Special Instructions: | | | | | | |

Body Seals In Place Yes No
 Temperature Blank Yes No
 Cooler Temperature on Receipt Y/C
 Trip Blank Yes No

LABORATORY

BP/COC Rev.1 2/5/02

NOV 14 '02 12:12PM SEQ 0101/98



**Sequoia
Analytical**

885 Jarvis Dr
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

19 December, 2002

Barbara Jakub
URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento, CA 95833

RE: ARCO #2185, Oakland, CA
Sequoia Work Order: MLK0562

Enclosed are the results of analyses for samples received by the laboratory on 11/14/02 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager
CA ELAP Certificate #1210



URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0562
Reported:
12/19/02 07:48

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| DI-1 | MLK0562-01 | Soil | 11/12/02 11:35 | 11/14/02 10:15 |
| DI-2 | MLK0562-02 | Soil | 11/12/02 12:05 | 11/14/02 10:15 |
| DI-3 | MLK0562-03 | Soil | 11/12/02 12:40 | 11/14/02 10:15 |
| DI-4 | MLK0562-04 | Soil | 11/12/02 13:05 | 11/14/02 10:15 |
| LS-1 | MLK0562-05 | Soil | 11/12/02 11:20 | 11/14/02 10:15 |
| LS-2 | MLK0562-06 | Soil | 11/12/02 12:15 | 11/14/02 10:15 |
| LS-3 | MLK0562-07 | Soil | 11/12/02 12:50 | 11/14/02 10:15 |
| LS-4 | MLK0562-08 | Soil | 11/12/02 13:20 | 11/14/02 10:15 |

There were no custody seals that were received with this project.

URS Corporation [1]
 2870 Gateway Oaks Dr., Ste 300
 Sacramento CA, 95833

 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0562
 Reported:
 12/19/02 07:48

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| DI-1 (MLK0562-01) Soil Sampled: 11/12/02 11:35 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 720 | ug/kg | 3.6 | 2K23001 | 11/23/02 | 11/23/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 360 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 18 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 18 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 18 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 18 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 18 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 18 | " | " | " | " | " | " | |
| Benzene | ND | 18 | " | " | " | " | " | " | |
| Toluene | ND | 18 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 18 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 18 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 1800 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 81.6 % | 60-140 | " | " | " | " | " | |
| DI-2 (MLK0562-02) Soil Sampled: 11/12/02 12:05 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 750 | ug/kg | 3.76 | 2K23001 | 11/23/02 | 11/23/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 380 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 19 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 19 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 19 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 19 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 19 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 19 | " | " | " | " | " | " | |
| Benzene | ND | 19 | " | " | " | " | " | " | |
| Toluene | ND | 19 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 19 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 19 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 1900 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 87.2 % | 60-140 | " | " | " | " | " | |

URS Corporation [1]
 2870 Gateway Oaks Dr., Ste 300
 Sacramento CA, 95833

 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0562
 Reported:
 12/19/02 07:48

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| DI-3 (MLK0562-03) Soil Sampled: 11/12/02 12:40 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 690 | ug/kg | 3.47 | 2K23001 | 11/23/02 | 11/23/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 350 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 17 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 17 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 17 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 17 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 17 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 17 | " | " | " | " | " | " | |
| Benzene | ND | 17 | " | " | " | " | " | " | |
| Toluene | ND | 17 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 17 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 17 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 1700 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 93.6 % | 60-140 | " | " | " | " | " | |
| DI-4 (MLK0562-04) Soil Sampled: 11/12/02 13:05 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 990 | ug/kg | 4.95 | 2K23001 | 11/23/02 | 11/23/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 500 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 25 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 25 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 25 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 25 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 25 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 25 | " | " | " | " | " | " | |
| Benzene | ND | 25 | " | " | " | " | " | " | |
| Toluene | ND | 25 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 25 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 25 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 2500 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 84.4 % | 60-140 | " | " | " | " | " | |

URS Corporation [1]
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 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0562
 Reported:
 12/19/02 07:48

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| LS-1 (MLK0562-05) Soil Sampled: 11/12/02 11:20 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 750 | ug/kg | 3.73 | 2K23001 | 11/23/02 | 11/23/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 370 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 19 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 19 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 19 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 19 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 19 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 19 | " | " | " | " | " | " | |
| Benzene | ND | 19 | " | " | " | " | " | " | |
| Toluene | ND | 19 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 19 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 19 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 1900 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 91.6 % | 60-140 | " | " | " | " | " | |
| LS-2 (MLK0562-06) Soil Sampled: 11/12/02 12:15 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 930 | ug/kg | 4.63 | 2K23001 | 11/23/02 | 11/23/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 460 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 23 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 23 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 23 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 23 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 23 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 23 | " | " | " | " | " | " | |
| Benzene | ND | 23 | " | " | " | " | " | " | |
| Toluene | ND | 23 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 23 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 23 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 2300 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 85.4 % | 60-140 | " | " | " | " | " | |

URS Corporation [1]
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 Sacramento CA, 95833

 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0562
Reported:
 12/19/02 07:48

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| LS-3 (MLK0562-07) Soil Sampled: 11/12/02 12:50 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 800 | ug/kg | 4 | 2K23001 | 11/23/02 | 11/24/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 400 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 20 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 20 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 20 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 20 | " | " | " | " | " | " | O-09 |
| 1,2-Dichloroethane | ND | 20 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 20 | " | " | " | " | " | " | |
| Benzene | ND | 20 | " | " | " | " | " | " | |
| Toluene | ND | 20 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 20 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 20 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 2000 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 92.8 % | 60-140 | | | | | | |
| LS-4 (MLK0562-08) Soil Sampled: 11/12/02 13:20 Received: 11/14/02 10:15 | | | | | | | | | |
| Ethanol | ND | 860 | ug/kg | 4.31 | 2K23001 | 11/23/02 | 11/24/02 | EPA 8260B | |
| tert-Butyl alcohol | ND | 430 | " | " | " | " | " | " | O-09 |
| Methyl tert-butyl ether | ND | 22 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 22 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 22 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 22 | " | " | " | " | " | " | O-09 |
| 1,2-Dichloroethane | ND | 22 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 22 | " | " | " | " | " | " | |
| Benzene | ND | 22 | " | " | " | " | " | " | |
| Toluene | ND | 22 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 22 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 22 | " | " | " | " | " | " | |
| Gasoline Range Organics (C6-C10) | ND | 2200 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 92.4 % | 60-140 | | | | | | |

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 Project: ARCO #2185, Oakland, CA
 Project Number: ARCO #2185, Oakland, CA
 Project Manager: Barbara Jakub

 MLK0562
 Reported:
 12/19/02 07:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|-------------|-----------------|-------|-------------|---------------|-------------|---------------|------|-----------|-------|
| Batch 2K23001 - EPA 5035 | | | | | | | | | | |
| Blank (2K23001-BLK1) Prepared & Analyzed: 11/23/02 | | | | | | | | | | |
| Ethanol | ND | 200 | ug/kg | | | | | | | |
| tert-Butyl alcohol | ND | 100 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 5.0 | " | | | | | | | |
| Di-isopropyl ether | ND | 5.0 | " | | | | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | " | | | | | | | |
| tert-Amyl methyl ether | ND | 5.0 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 5.0 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | | | | | | | |
| Benzene | ND | 5.0 | " | | | | | | | |
| Toluene | ND | 5.0 | " | | | | | | | |
| Ethylbenzene | ND | 5.0 | " | | | | | | | |
| Xylenes (total) | ND | 5.0 | " | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 500 | " | | | | | | | |
| <hr/> | | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.34</i> | | " | <i>5.00</i> | | <i>86.8</i> | <i>60-140</i> | | | |
| <hr/> | | | | | | | | | | |
| Laboratory Control Sample (2K23001-BS1) Prepared & Analyzed: 11/23/02 | | | | | | | | | | |
| Methyl tert-butyl ether | 12.5 | 5.0 | ug/kg | 10.0 | | 125 | 60-140 | | | |
| Benzene | 10.3 | 5.0 | " | 10.0 | | 103 | 60-140 | | | |
| Toluene | 10.1 | 5.0 | " | 10.0 | | 101 | 60-140 | | | |
| <hr/> | | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.38</i> | | " | <i>5.00</i> | | <i>87.6</i> | <i>60-140</i> | | | |
| <hr/> | | | | | | | | | | |
| Laboratory Control Sample (2K23001-BS2) Prepared & Analyzed: 11/23/02 | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 500 | ug/kg | 440 | | 85.7 | 60-140 | | | |
| <hr/> | | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.38</i> | | " | <i>5.00</i> | | <i>87.6</i> | <i>60-140</i> | | | |
| <hr/> | | | | | | | | | | |
| Laboratory Control Sample Dup (2K23001-BSD1) Prepared & Analyzed: 11/23/02 | | | | | | | | | | |
| Methyl tert-butyl ether | 12.8 | 5.0 | ug/kg | 10.0 | | 128 | 60-140 | 2.37 | 11 | |
| Benzene | 10.5 | 5.0 | " | 10.0 | | 105 | 60-140 | 1.92 | 25 | |
| Toluene | 10.1 | 5.0 | " | 10.0 | | 101 | 60-140 | 0.00 | 25 | |
| <hr/> | | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.56</i> | | " | <i>5.00</i> | | <i>91.2</i> | <i>60-140</i> | | | |

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0562
Reported:
12/19/02 07:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|-------------------------------|------|-------------|------|-----------|-------|
| Batch 2K23001 - EPA 5035 | | | | | | | | | | |
| Laboratory Control Sample Dup (2K23001-BSD2) | | | | | Prepared & Analyzed: 11/23/02 | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 500 | ug/kg | 440 | | 70.2 | 60-140 | 19.8 | 25 | |
| Surrogate: 1,2-Dichloroethane-d4 | 4.42 | | * | 5.00 | | 88.4 | 60-140 | | | |



URS Corporation [1]
2870 Gateway Oaks Dr., Ste 300
Sacramento CA, 95833

Project: ARCO #2185, Oakland, CA
Project Number: ARCO #2185, Oakland, CA
Project Manager: Barbara Jakub

MLK0562
Reported:
12/19/02 07:48

Notes and Definitions

O-09 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Chain of Custody Record

Project Name STATION 2185
 BP BU/GEM CO Portfolio: MUK 0562
 BP Laboratory Contract Number: _____

Date: 11-14-02

Requested Due Date (mm/dd/yy) 2 WEEK

On-site Time: 9:00 AM Temp: _____
 Off-site Time: 1:45 PM Temp: _____
 Sky Conditions: CLOUDY
 Meteorological Events: _____
 Wind Speed: _____ Direction: _____

| Send To: | | | BP/GEM Facility No.: <u>2185</u> | | | | Consultant/Contractor: <u>URS CORP</u> | | | | | | | | | | |
|-------------------------------------|--------------------|-------|---|--------------|-----------|-----|--|-------------------|---|--------------------------------|------------------|-----|--------------------|---------|----------|----------|------------------------------------|
| Lab Name: <u>MORGAN H:14</u> | | | BP/GEM Facility Address: <u>9800 EAST 14TH ST OAKLAND</u> | | | | Address: <u>2870 GATEWAY OAKS DR.</u> | | | | | | | | | | |
| Lab Address: | | | Site ID No.: | | | | Suite: <u>300 SAC CA 95833</u> | | | | | | | | | | |
| | | | Site Lat/Long: | | | | e-mail: EDD: | | | | | | | | | | |
| Lab PM: <u>LATOYA FELT</u> | | | California Global ID #: | | | | Consultant/Contractor Project No.: | | | | | | | | | | |
| Tele/Fax: | | | BP/GEM PM Contact: <u>PAUL SUPPLE</u> | | | | Consultant/Contractor Tele/Fax: <u>510-874-3296</u> | | | | | | | | | | |
| Report Type & QC Level: | | | Address: | | | | Consultant/Contractor PM: <u>BARBARA SAKUB</u> | | | | | | | | | | |
| BP/GEM Account No.: | | | Tele/Fax: <u>425-299-8891</u> | | | | Invoice to: Consultant/Contractor or BP/GEM (Circle one) | | | | | | | | | | |
| Lab Bottle Order No.: | | | BP/GEM Work Release No.: | | | | | | | | | | | | | | |
| Item No. | Sample Description | Time | Matrix | | | | Laboratory No. | No. of containers | Preservation | | | | Requested Analysis | | | | Sample Point Lat/Long and Comments |
| | | | Soils/Solid | Water/Liquid | Sediments | Air | | | Unpreserved | H ₂ SO ₄ | HNO ₃ | HCl | DATE 8071 | HTK/THG | EPA 8160 | EPA 8170 | |
| 1 | DI-1 | 11:35 | X | | | | 01 | 1 | | | | | X | X | | | |
| 2 | DI-2 | 12:05 | X | | | | 02 | 1 | | | | | X | X | | | |
| 3 | DI-3 | 12:40 | X | | | | 03 | 1 | | | | | X | X | | | |
| 4 | DI-4 | 1:05 | Y | | | | 04 | 1 | | | | | X | X | | | |
| 5 | LS-1 | 11:20 | Y | | | | 05 | 1 | | | | | X | X | | | |
| 6 | LS-2 | 12:45 | X | | | | 06 | 1 | | | | | X | X | | | |
| 7 | LS-3 | 12:50 | X | | | | 07 | 1 | | | | | X | X | | | |
| 8 | LS-4 | 1:20 | X | | | | 08 | 1 | | | | | X | X | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| Sampler's Name: <u>BILL CERRITO</u> | | | Relinquished By / Affiliation: <u>Morgan H:14</u> | | | | Date: | Time: | Accepted By / Affiliation: <u>Monica Golden SAS</u> | | | | Date: | Time: | | | |
| Sampler's Company: <u>URS CORP</u> | | | Signature: <u>[Signature]</u> | | | | 11/14/02 | 1815 | Signature: <u>[Signature]</u> | | | | 11/15 | 1726 | | | |
| Shipment Date: <u>11-14-02</u> | | | Signature: <u>[Signature]</u> | | | | | | Signature: <u>[Signature]</u> | | | | 11/15 | 1955 | | | |
| Shipment Method: | | | Signature: <u>[Signature]</u> | | | | 11-15 | 1726 | Signature: <u>[Signature]</u> | | | | 11/15 | 1726 | | | |
| Shipment Tracking No.: | | | Signature: <u>[Signature]</u> | | | | 11-15 | 1955 | Signature: <u>[Signature]</u> | | | | 11/15 | 1955 | | | |
| Additional Instructions: | | | | | | | | | | | | | | | | | |

Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt: 2 °F (C) Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

| | | |
|----------------------------|---------------------------------------|--|
| CLIENT NAME: <u>URS</u> | DATE Received at Lab: <u>11/15/02</u> | Drinking water for regulatory purposes: YES/NO <input checked="" type="checkbox"/> |
| REC. BY (PRINT): <u>TL</u> | TIME Received at Lab: <u>1955</u> | Wastewater for regulatory purposes: YES/NO <input checked="" type="checkbox"/> |
| WORKORDER: <u>MUR 0562</u> | LOGIN DATE: <u>11-16-02</u> | |

| CIRCLE THE APPROPRIATE RESPONSE | | LAB SAMPLE # | # | CLIENT ID | CONTAINER DESCRIPTION | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|---|--------------|---|-----------|-----------------------|---------------|--------------|---------------------------|
| 1. Custody Seal(s) | Present / <u>Absent</u> Intact / Broken* | 1 | | DE -1 | 17 Nitrate Can | S | 07 N/A | |
| 2. Chain-of-Custody | <u>Present</u> / Absent* | 2 | | -2 | | | | |
| 3. Traffic Reports or Packaging List: | Present / <u>Absent</u> | 3 | | -3 | | | | |
| 4. Airbill: | Airbill / <u>Sticker</u> Present / <u>Absent</u> | 4 | | -4 | | | | |
| 5. Airbill #: | | 5 | | LS -1 | | | | |
| 6. Sample Labels: | <u>Present</u> / Absent | 6 | | -2 | | | | |
| 7. Sample IDs: | <u>Listed</u> / Not Listed or Chain-of-Custody | 7 | | -3 | | | | |
| 8. Sample Condition: | <u>Intact</u> / Broken* / Leaking* | 8 | | -4 | | | | |
| 9. Does information on custody reports, traffic reports and sample labels agree? | Yes / <u>No*</u> | | | | | | | |
| 10. Sample received within hold time: | Yes / <u>No*</u> | | | | | | | |
| 11. Proper Preservatives used: | Yes / <u>No*</u> | | | | | | | |
| 12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres. +/-2°C) | <u>TL</u> Yes / No** | | | | | | | |
| **Reception (if any): | | | | | | | | |

*If Circled, contact Project Manager and attach record of resolution.

Sample Receipt Log
Revision 2.2 (04/11/02)
Previous Revision 2.1 (11/10/00)
Date 04/15/02

ATTACHMENT C
FIELD SAMPLING DATA SHEET

ATTACHMENT D
WASTE MANIFESTS



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 340347
CUSTOMER: DILL / DILLARD/EXXON
TRUCK: 391
ACCT#: 0007814
PROFILE #: 1001941

DATE: 12/23/2002

TIME: 16:10 - 16:10

GENERATOR: 1001941 - ARCOO #2185
ORIGIN: S / OAKLAND
LICENSE:
COMMENT:

GROSS: 62100 LBS
TARE: 31700 LBS Manual
NET: 30400 LBS

| WASTE: | QUANTITY | UNIT | RATE | AMOUNT |
|-------------------|----------|------|------|--------|
| SOIL / SOIL - ADC | 15.20 | T | | |

Tax

RECEIVED
DEC 26 2002

I certify that I have not disposed of any liquid or hazardous waste.

Total:
MARK P

Mark P
DRIVER

Weighmaster: *TP*

RECYCLING

All children must remain in vehicles.
Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 343222
CUSTOMER: DILLARD/EXXON
TRUCK: 391
ACCT#: 5007814
PROFILE #: 1001941

DATE: 12/23/2002
TIME: 10:57 - 12:51

GENERATOR: 1001941 / ARCO #2185
ORIGIN: 8 / OAKLAND
LICENSE:
COMMENT:

GROSS: 75740 LBS
TARE: 31700 LBS
NET: 45040 LBS

| WASTE: | QUANTITY | UNIT | RATE | AMOUNT |
|-------------------|----------|------|------|--------|
| SOIL / SOIL - ADC | 22.52 | T | | |

DEC 26 2002

Tax

I certify that I have not disposed of any liquid or hazardous waste.

Total:
MARK P

Weighmaster:

DRIVER

RECYCLING

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WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 349228
CUSTOMER: DILL / DILLARD/EXXON
TRUCK: 091
ACCT#: 5007814
PROFILE #: 1001941

DATE: 12/23/2002
TIME: 11:42 - 12:57

GENERATOR: 1001941 / ARCO #C185
ORIGIN: 8 / OAKLAND
LICENSE:
COMMENT:

GROSS: 72420 LBS
TARE: 31140 LBS
NET: 41280 LBS

| WASTE: | QUANTITY | UNIT | RATE | AMOUNT |
|-------------------|----------|------|------|--------|
| SOIL / SOIL - ADC | 20.64 | T | | |

Tax

I certify that I have not disposed of any liquid or hazardous waste.

Total:
MARK P

Weighmaster:

DRIVER

RECYCLING

RECEIVED
DEC 26 2002

All children must remain in vehicles. Absolutely no salvaging allowed.
WARNING: Violating any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 349500
CUSTOMER: DILL / DILLARD/EXXON
TRUCK: 091
ACCT#: 5007814
PROFILE #: 1001941

DATE: 12/24, 2002

TIME: 11:10 - 11:11

GENERATOR: 1001941 / ARCO #2185
ORIGIN: 8 / OAKLAND
LICENSE:
COMMENT:

GROSS: 54920 LBS
TARE: 31140 LBS Manual
NET: 23780 LBS

| WASTE: | QUANTITY | UNIT | RATE | AMOUNT |
|-------------------|----------|------|------|--------|
| SOIL / SOIL - ADC | 11.89 | T | | |

RECEIVED
DEC 26 2002

Tax

I certify that I have not disposed of any liquid or hazardous waste.

Total:
RAYMOND Y.

Weighmaster:

DRIVER

RECYCLING

At children must remain in vehicles. Absolutely no salvaging allowed.
WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

ATTACHMENT E

UNAUTHORIZED RELEASE REPORT

(NOT REQUIRED FOR THIS SITE)