Delta
Environmental
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March 1, 2002

Mr. Robert Weston
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Subject: *Tank Basin, ~~Product Line~~ and Dispenser Island Sampling Results*
ARCO Station No. 5387
20200 Hesperian Boulevard
Hayward, California
Delta Project No. D000-318

Dear Mr. Weston:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Atlantic Richfield Company to conduct soil sampling during the removal of the underground storage tanks (USTs), product distribution lines, and product dispenser islands at ARCO Service Station No. 5387, located at 20200 Hesperian Boulevard, Hayward, California (Figure 1). Site details are illustrated in Figure 2. This report summarizes the sampling activities and analytical results for samples collected during the UST, product line and dispenser removal activities. Field activities were performed in accordance with Delta's field methods and procedures outlined in Enclosure A.

Underground Storage Tank Removal

On February 1, and 5 through 7, 2002, four USTs (12,000; 10,000; 8,000; and 6,000 gallon) were excavated and inspected upon removal. Paradiso Mechanical, Inc. was contracted by Atlantic Richfield Company to obtain all necessary tank removal permits, make all required preliminary notifications, and to clean, remove and dispose of the USTs. ECI Services transported the tanks to their facility in Richmond, California under a uniform hazardous waste manifest. Pertinent information concerning the UST removal activities is summarized below: Copies of the Uniform Hazardous Waste Manifests are included in Enclosure B.

Lead Agency:	Alameda County Health Care Services Agency
Agency Contact Name:	Robert Weston
Agency Phone Number:	(510) 567-6781
UST Cleaning Contractor:	Paradiso Mechanical, Inc. 2600 Williams Street, San Leandro, CA 94577
Final Disposition of Rinseate:	Romic Environmental, 2081 Bay Road, East Palo Alto, CA 94303
Final Disposition of USTs:	Ecology Control Industries, 255 Parr Blvd., Richmond, California

Due to the locations of sparging wells AS-5 and AS-8 and vapor extraction well AV-3 near the UST basin, the wells were permitted for and abandoned by grouting methods. A well abandonment completion letter is currently being prepared.

Product Lines and Dispenser Islands Soil Sampling Results

A Delta representative was on site March 1, 2002 to conduct soil sampling during product line and dispenser removal activities. A representative from Alameda County Health Care Services Agency (ACHCSA) was on site to observe the sampling. Soil samples were collected beneath the dispensers following their removal. Dispenser soil samples DP-1 through DP-4 were collected at depths ranging from 3.5 to 7.0 feet below surface grade (bsg). Product line soil samples PL-1 and PL-2 were collected within the product line trench at depths ranging from 4.5 to 5.0 feet bsg. The soil sample locations are shown in Figure 3.

Soil samples were submitted to Sequoia Analytical Laboratory (Sequoia) in Sacramento, California for chemical analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHg) using DHS LUFT method, tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), ethanol, and methyl tertiary butyl ether (MTBE) using EPA Method 8260B, and total lead using EPA 6000/7000 Series Methods. Soil sample analytical results are summarized in Tables 1 and 2.

Total petroleum hydrocarbon as gasoline concentrations were reported in soil samples DP-1-3.5 at 16 milligrams per kilogram (mg/kg) and DP-1-7 at 1,800 mg/kg. Benzene concentrations ranged from 0.0060 mg/kg in soil sample PL-2-5 to 0.19 mg/kg in soil sample DP-1-3. Methyl tertiary butyl ether concentrations ranged from 0.033 mg/kg in soil sample PL-2-5 to 19 mg/kg in soil sample DP-1-7. A copy of the laboratory analytical reports with chain-of-custody documentation is included in Enclosure C.

Underground Storage Tanks Sampling Results

A Delta representative was on site February 1 and 5, 2002 to conduct soil sampling following the removal of the USTs. A representative from ACHCSA was on site to observe the sampling. Soil samples were collected at approximately one foot beneath the USTs following their removal. Tank samples UST-1-14 through UST-8-14 were collected at a depth of approximately 14.0 feet bsg. The soil samples were submitted to Sequoia for analyses of TPHg, BTEX, MTBE, TBA, DIPE, ETBE, ethanol, and total lead using the previously described methods. The soil sample analytical results are summarized in Tables 1 and 2. The sample locations are shown on Figure 3.

Total petroleum hydrocarbon as gasoline concentrations ranged from 0.76 mg/kg in soil sample UST-3-14 to 110 mg/kg in soil sample UST-8-4. The laboratory did not detect benzene concentrations at or above the laboratory reporting limits. Methyl tertiary butyl ether concentrations ranged from 0.50 mg/kg in UST-2-14 to 2.0 mg/kg in UST-8-14. A copy of the laboratory analytical reports with chain-of-custody documentation is included in Enclosure C.

Over-excavation and Sampling

Following receipt of the analytical results from the February 1, 2002, sampling event, Delta was on site February 6 and 7, 2002, to observe and direct the over-excavation of the upper two feet of soil from beneath the former 6,000 and 8000-gallon USTs and limited over-excavation of soil in the area of dispenser one (DP-1). Approximately 60 and 40 cubic yards of soil were over-excavated from the tank basin area and around DP-1, respectively. Following completion of the over-excavation activities, confirmation soil samples UST-5-15 through UST-8-15, OE-DP-1-12 and OE-DP-1-12.3 were collected from the base of the over-excavations. The soil samples were submitted to Sequoia for analyses of

TPHg, BTEX, MTBE, TBA, DIPE, ETBE, ethanol, and total lead using the previously described methods. Soil sample analytical results are summarized in Tables 1 and 2. A copy of the laboratory analytical reports with chain-of-custody documentation is included in Enclosure C. The soil sample locations and the extent of the over-excavations are shown on Figure 4.

Total petroleum hydrocarbon as gasoline concentrations ranged from 16 mg/kg in soil sample OE-DP-1-12.3 to 360 mg/kg in soil sample OE-DP-1-12. A benzene concentration of 0.13 mg/kg was detected in soil sample OE-DP-1-12.3. Methyl tertiary butyl ether concentrations ranged from 0.22 mg/kg in soil sample UST-6-15 to 1.3 mg/kg in soil sample UST-8-15.

Disposal of Soil Stockpile

The excavated overburden from the gasoline UST basin, dispensers, and lines was stockpiled on site for disposal profile analysis. Two composite soil samples were collected and submitted to Sequoia for chemical analyses of BTEX, TPHg, and lead using the previously described methods. Upon verbal approval of the ACHCSA, the soil was re-used as backfill.

The impacted soil from the over-excavation activities was stockpiled and covered with visqueen separately from the re-usable stockpile. On February 14 and 15, 2002, Dillard Environmental Services removed 184.54 tons of over-excavated soil and transported it to Forward landfill in Manteca, California. A copy of the soil stockpile analytical reports with chain-of-custody documentation is included in Enclosure C. A copy of the completion letter for soil removed is included in Enclosure D.

Remarks/Signatures

The interpretations contained in this document represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydro-geologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions regarding this project, please contact Steven W. Meeks at (916) 536-2613.

DELTA ENVIRONMENTAL CONSULTANTS, INC.

for

Brett A. Bardsley
Staff Geologist

Steven W. Meeks, P.E.
Project Manager
California Registered Civil Engineer No. C057461

REGISTERED PROFESSIONAL ENGINEER
STEVEN WHITTEN MEEKS
C 057461
Exp. 12/31/02
CIVIL
STATE OF CALIFORNIA
3/1/02

BAB (Lrp003.318)
Enclosures

cc: Mr. Paul Supple – Atlantic Richfield Company
Mr. Amir Gholami – Alameda County Health Care Services

TABLE 1

SOIL SAMPLE LABORATORY ANALYTICAL RESULTS

ARCO Service Station No. 5387
20200 Hesperian Blvd. Hayward,California

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
Dispenser Island Samples									
DP-1-3.5	02/01/02	3.5	0.19	1.6	0.47	2.8	16	0.27	<10
DP-1-7	02/01/02	7.0	<1.0	36	25	140	1800	19	<10
DP-2-4	02/01/02	4.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<10
DP-3-3.5	02/01/02	3.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<10
DP-4-4	02/01/02	4.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<10
Product Line Samples									
PL-1-4.5	02/01/02	4.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<10
PL-2-5	02/01/02	5.0	0.0060	0.014	<0.0050	0.0080	<0.050	0.033	130
Tank Basin Samples									
UST-1-14	02/01/02	14.0	<0.025	<0.025	<0.025	0.029	8.1	<0.0050	<10
UST-2-14	02/01/02	14.0	<0.50	<0.0050	<0.0050	0.025	1.4	0.50	<12
UST-3-14	02/01/02	14.0	<0.025	0.041	<0.025	<0.025	0.76	0.67	<12
UST-4-14	02/01/02	14.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.0050	<10
UST-5-14	02/05/02	14.0	<0.050	0.099	0.23	0.050	56	1.2	<10
UST-6-14	02/05/02	14.0	<0.050	0.28	0.70	2.2	100	0.74	20
UST-7-14	02/06/02	14.0	<0.050	<0.050	0.18	<0.050	42	1.5	<10
UST-8-14	02/06/02	14.0	<0.050	0.18	0.49	0.073	110	2.0	<10
Over-excavation Results									
OE-DP-1-12	12/06/02	12.0	<0.50	0.76	2.1	2.5	360	0.85	<10
OE-DP-1-12.3	12/06/02	12.3	0.13	0.42	0.15	0.12	16	0.59	<12
UST-5-15	02/07/02	15.0	<0.050	0.080	<0.050	<0.050	45	0.47	<10
UST-6-15	02/07/02	15.0	<0.050	0.87	0.80	0.70	270	0.22	<10
UST-7-15	02/07/02	15.0	<0.050	0.065	0.23	0.12	50	0.53	<10
UST-8-15	02/07/02	15.0	<0.050	0.081	0.086	0.28	43	1.3	<10
Soil Stockpile Results									
SP-(1,2,3,4)	02/01/02	---	<0.0050	0.012	<0.0050	0.011	0.66	NA	17
SP-(5,6,7,8)	02/01/02	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.5	NA	660[1]/14
SP-(9,10,11,12)	02/01/02	---	0.23	2.9	3.2	14	250	NA	<10

[1] Sample result was believed to be anomolous based on other lead results from same stockpile and site soil samples. The exact same sample was re-run with a result of 14 mg/kg.

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tertiary butyl ether

NA = Not analyzed

--- = Not applicable

TABLE 2

SOIL SAMPLE OXYGENATES LABORATORY ANALYTICAL RESULTS

ARCO Service Station No. 5387
20200 Hesperian Blvd. Hayward,California

Sample ID	Date	Depth (ft)	TBA (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
Dispenser Island Samples								
DP-1-1-3.5	02/01/02	3.5	<0.050	0.27	<0.0050	<0.0050	0.0050	NA
DP-1-7	02/01/02	7.0	4.1	19	<0.050	<0.050	21	NA
DP-2-4	02/01/02	4.0	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	NA
DP-3-3.5	02/01/02	3.5	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	NA
DP-4-4	02/01/02	4.0	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	NA
Product Line Samples								
PL-1-4.5	02/01/02	4.5	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	NA
PL-2-5	02/01/02	5.0	<0.050	0.033	<0.0050	<0.0050	<0.0050	NA
Tank Basin Samples								
UST-1-14	02/01/02	14.0	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	NA
UST-2-14	02/01/02	14.0	<0.25	0.50	<0.025	<0.025	<0.025	NA
UST-3-14	02/01/02	14.0	<0.25	0.67	<0.025	<0.025	<0.025	NA
UST-4-14	02/01/02	14.0	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	NA
UST-5-14	02/05/02	14.0	<1.0	1.2	<0.10	0.10	<0.10	<10
UST-6-14	02/05/02	14.0	<5.0	0.74	<0.50	<0.50	<0.50	<50
UST-7-14	02/06/02	14.0	<2.0	1.5	<0.20	<0.20	<0.20	20
UST-8-14	02/06/02	14.0	<1.0	2.0	<0.10	<0.10	<0.10	<10
Over-excavation Results								
OE-DP-1-12	12/06/02	12.0	<5.0	<0.50	<0.50	<0.50	0.85	<50
OE-DP-1-12.3	12/06/02	12.3	<2.0	0.59	<0.20	<0.20	<20	<20
UST-5-15	02/07/02	15.0	<1.0	0.47	<0.10	<0.10	<0.10	<10
UST-6-15	02/07/02	15.0	<1.0	0.22	<0.10	<0.10	<0.10	<10
UST-7-15	02/07/02	15.0	<1.0	0.53	<0.10	<0.10	<0.10	<10
UST-8-15	02/07/02	15.0	<1.0	1.3	<0.10	<0.10	<0.10	<10

TBA = Tert-butyl alcohol

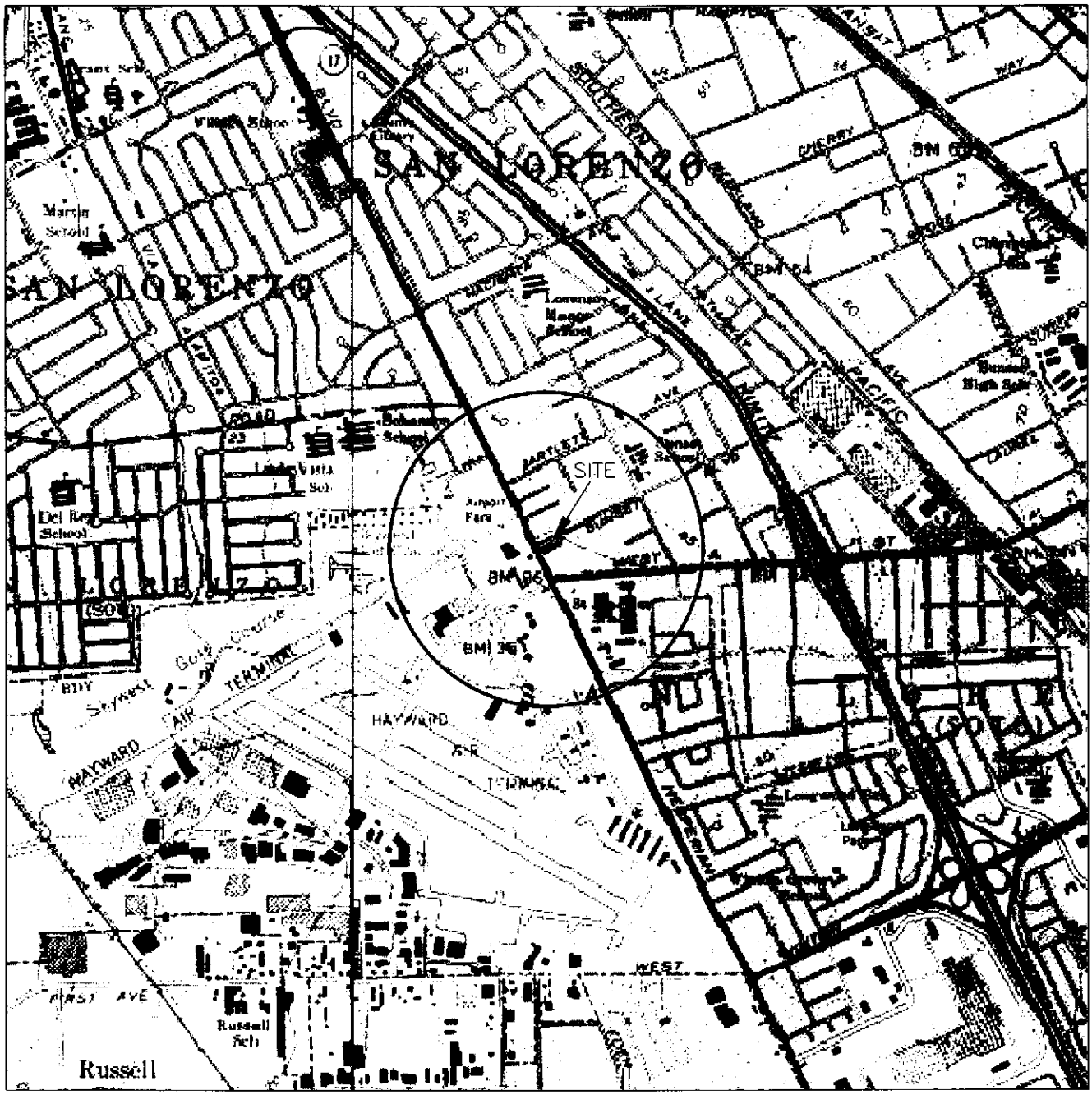
MTBE = Methyl tertiary butyl ether (analyzed by DHS LUFT)

DIPE = Di-isopropyl ether

ETBE =Ethyl ter-butyl ether

TAME = Tert-amyl methyl ether

NA = Not Analyzed



North

GENERAL NOTES:
BASE MAP FROM U.S.G.S.
SAN LEANDRO & HAYWARD, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

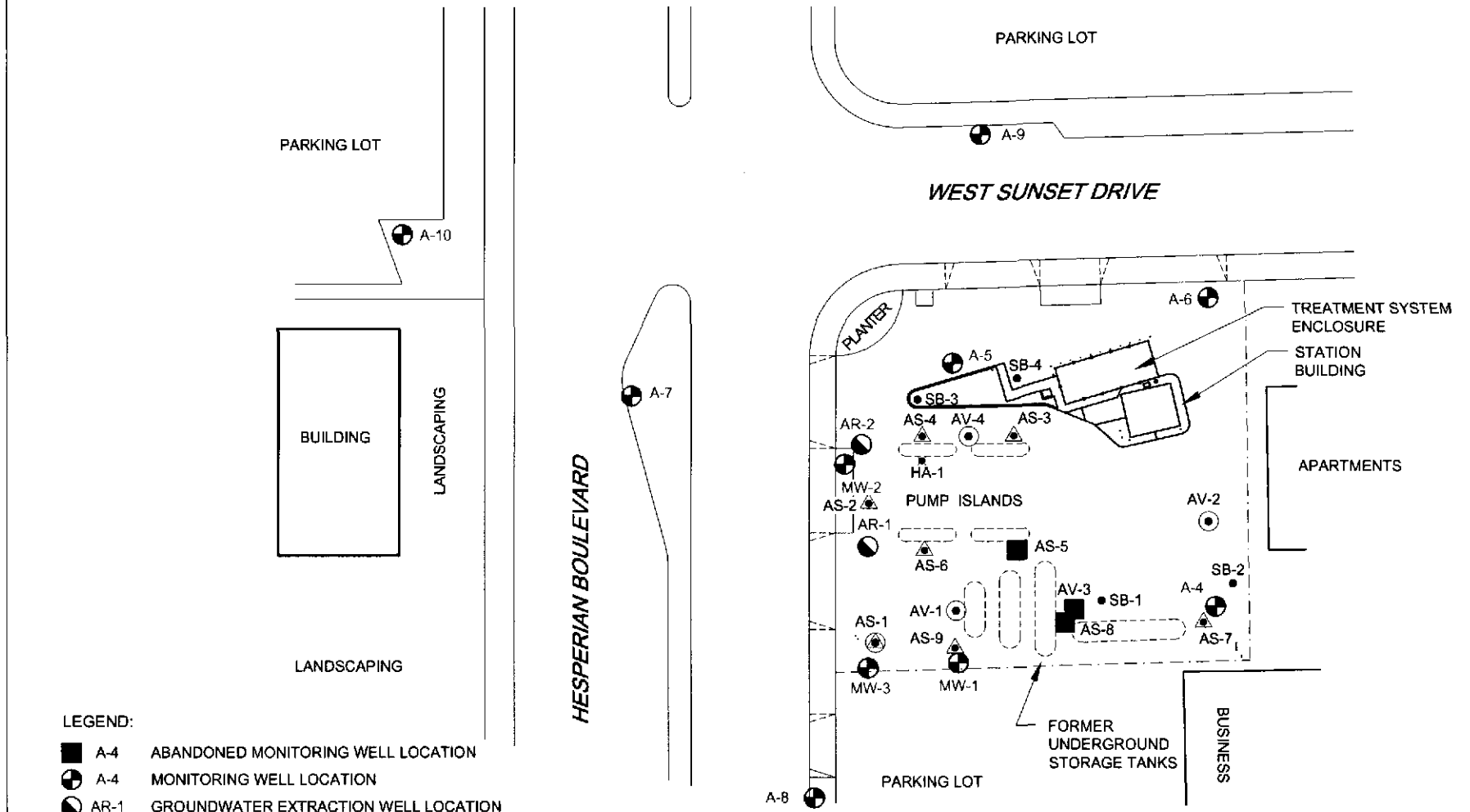
0 2000 FT

SCALE 1:24,000

FIGURE 1
SITE TOPOGRAPHIC MAP
ARCO SERVICE STATION NO. 05387
20200 HESPERIAN BOULEVARD
HAYWARD, CA.

PROJECT NO. 0000-318	DRAWN BY M.L. 8/8/00
FILE NO. 0000318A	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



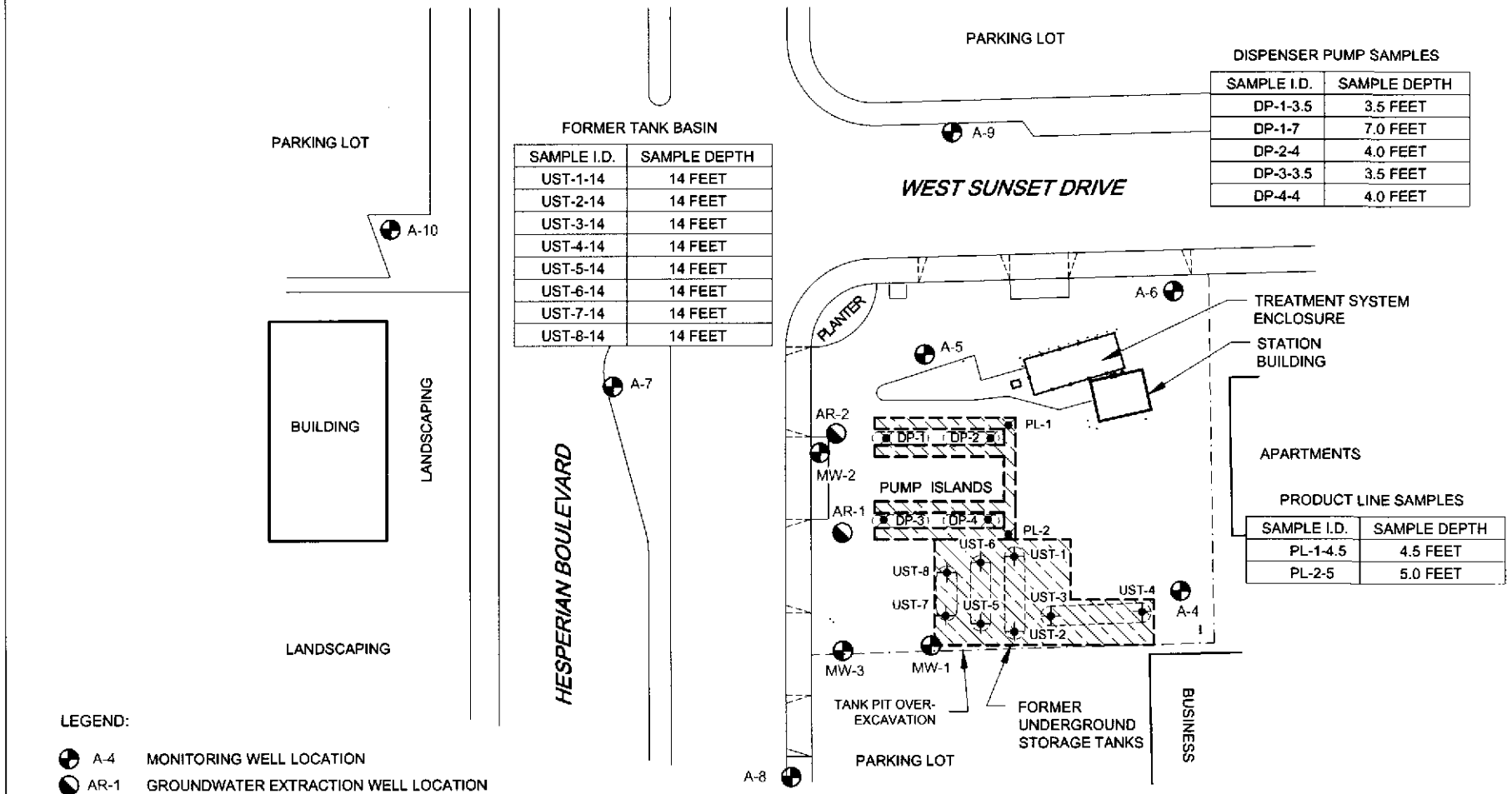
NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 2
SITE MAP

ARCO SERVICE STATION NO. 5387
20200 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

PROJECT NO. D000-318	DRAWN BY TLA 2/22/02
FILE NO. 5387-1	PREPARED BY TLA
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.



FORMER TANK BASIN

SAMPLE I.D.	SAMPLE DEPTH
UST-1-14	14 FEET
UST-2-14	14 FEET
UST-3-14	14 FEET
UST-4-14	14 FEET
UST-5-14	14 FEET
UST-6-14	14 FEET
UST-7-14	14 FEET
UST-8-14	14 FEET

DISPENSER PUMP SAMPLES

SAMPLE I.D.	SAMPLE DEPTH
DP-1-3.5	3.5 FEET
DP-1-7	7.0 FEET
DP-2-4	4.0 FEET
DP-3-3.5	3.5 FEET
DP-4-4	4.0 FEET

PRODUCT LINE SAMPLES

SAMPLE I.D.	SAMPLE DEPTH
PL-1-4.5	4.5 FEET
PL-2-5	5.0 FEET

LEGEND:

A-4 MONITORING WELL LOCATION

AR-1 GROUNDWATER EXTRACTION WELL LOCATION

LEGEND:

PL-1 / DP-1 FORMER PRODUCT LINE SOIL SAMPLE AND DISPENSER PUMP SOIL SAMPLE LOCATIONS

UST-1 TANK BASIN SOIL SAMPLE LOCATIONS

AREA OF SOIL EXCAVATION DURING REPLACEMENT OF TANKS/ PRODUCT LINES/ DISPENSER PUMPS

North

0 50 FT

SCALE

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 3

SOIL SAMPLE LOCATION MAP

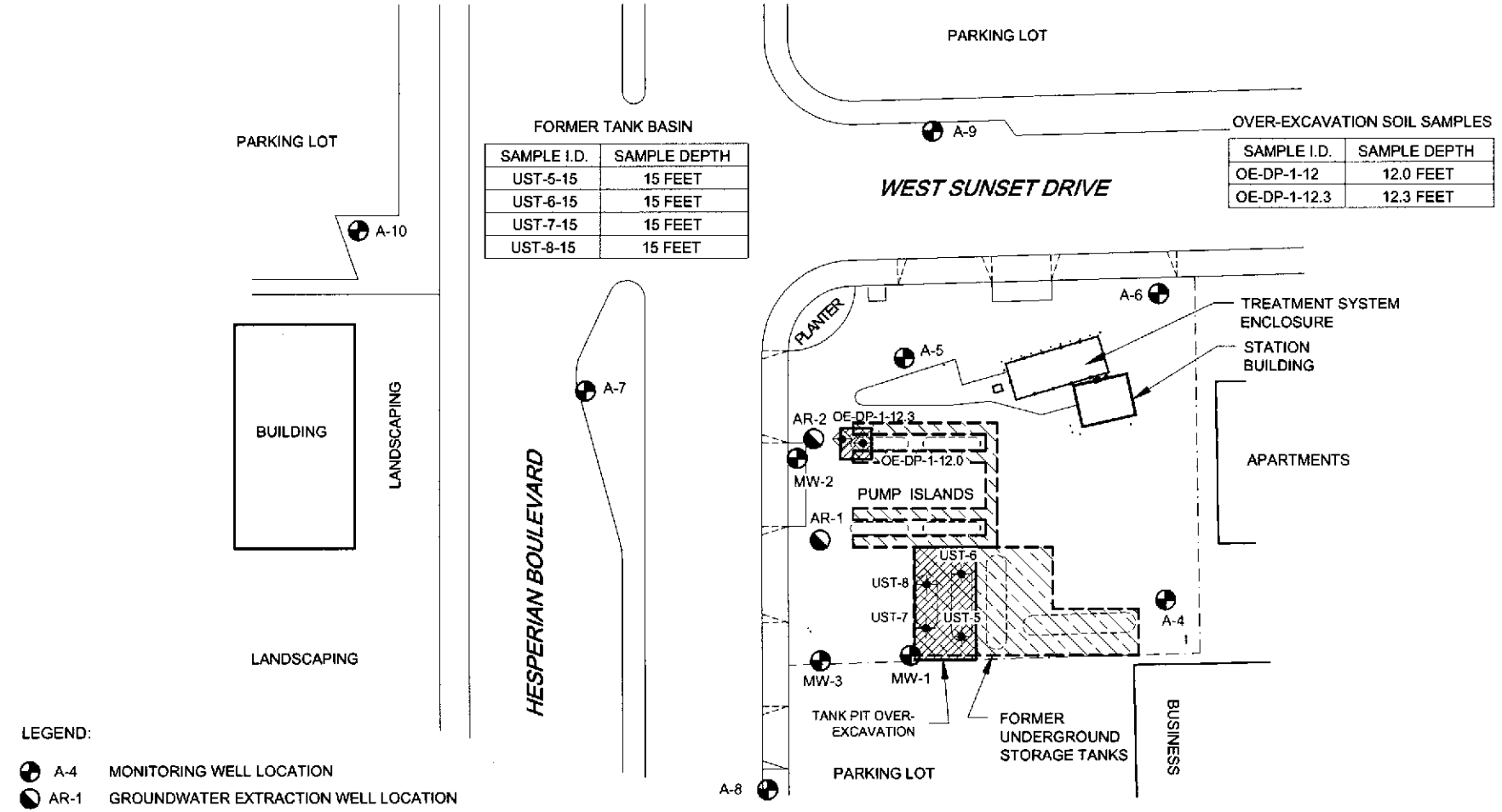
ARCO SERVICE STATION NO. 5387

20200 HESPERIAN BOULEVARD

HAYWARD, CALIFORNIA

PROJECT NO. D000-318	DRAWN BY TLA 2/22/02
FILE NO. 5387-1	PREPARED BY TLA
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



FORMER TANK BASIN	
SAMPLE I.D.	SAMPLE DEPTH
UST-5-15	15 FEET
UST-6-15	15 FEET
UST-7-15	15 FEET
UST-8-15	15 FEET

OVER-EXCAVATION SOIL SAMPLES	
SAMPLE I.D.	SAMPLE DEPTH
OE-DP-1-12	12.0 FEET
OE-DP-1-12.3	12.3 FEET

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 4
OVER-EXCAVATION SOIL SAMPLE LOCATION MAP

ARCO SERVICE STATION NO. 5387
20200 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

PROJECT NO. D000-318	DRAWN BY TLA 2/17/02
FILE NO. 5387-1	PREPARED BY TLA
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

ENCLOSURE A

Field Methods and Procedures

FIELD METHODS AND PROCEDURES

ARCO Station No. 5387
20200 Hesperian Boulevard, Hayward, California

1.1 Health and Safety Plan

Delta personnel performed fieldwork in accordance with a Health and Safety Plan developed for the site. This plan described the basic safety requirements for the subsurface investigation at the site. The Health and Safety Plan was applicable to personnel and subcontractors of Delta. Personnel at the site were informed of the contents of the Health and Safety Plan prior to beginning work. A copy of the Health and Safety Plan was kept at the work site and was available for reference by appropriate parties during the work. The Delta geologist acted as the Site Safety Officer.

1.2 Soil Sampling and Contamination Reduction

Soil sampling was performed under the direction of Delta geologists. To reduce the chances of cross-contamination between samples, all sampling equipment was either steam-cleaned or washed with a non-phosphatic detergent between each sample location. To reduce cross-contamination between samples, the sampler was washed in a soap solution and double-rinsed between each sampling event.

1.3 Soil Sample Collection

Soil at the sample location was excavated to a depth of approximately 6 inches above the sampling depth. At this depth, a hand operated impact sampler lined with a 6-inch clean brass sampling tube was used to collect the soil sample. Soil cuttings collected immediately above the soil sample were placed into a Ziploc® bag and sealed for later screening with a PID. That part of the soil sample collected in the brass tube within the impact sampler was sealed with Teflon® sheeting and plastic caps, labeled and stored on ice at approximately 4° C for transport to the laboratory.

1.4 Soil Sample Screening/hNu Portable Photoionization Detector Method

After the soil sample Ziploc® bags had been brought to ambient temperature, the headspace vapors of the soil sample in the bag were screened with a PID equipped with a 10.2 eV lamp. The corner of the sample bag was opened and the detector probe immediately placed within the headspace. The highest observed reading was recorded. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations with the same precision as laboratory analyses.

1.5 Product Distribution Lines and Dispenser Sampling

Soil samples were collected following the removal of the product distribution lines and dispensers. Samples were collected approximately 2 feet below the backfill/native soil interface within the product line trench. If groundwater was encountered above the base of the excavation, soil samples were collected from the sidewalls of the excavations immediately above the groundwater. Following removal of the dispensers, one soil sample was collected approximately 2 feet below the backfill/native soil interface beneath each dispenser.

1.6 Soil Stockpile Sampling

Four soil samples will be collected from each 50 cubic yards of stockpiled soil, with each set of four samples to be composited in the laboratory prior to analyses. Soil samples will be collected in 2-inch diameter brass tubes that will be sealed with Teflon sheeting and plastic caps. The samples will be labeled, stored in an ice chest and cooled to approximately 4°C for transport to the laboratory.

2.0 ANALYTICAL PROCEDURES

Selected soil samples submitted to the laboratory were analyzed for BTEX, TPHg and MTBE using EPA Method 8260 and total lead using EPA Method 6010.

3.0 QUALITY ASSURANCE PLAN

This section describes the field and analytical procedures followed throughout the investigation.

3.1 General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample was collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of soil samples used on this project can be found in Section 1.0 (Methods).

3.2 Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis had a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, was recorded on the borehole log or in the field records. A California-certified laboratory analyzed samples.

A chain-of-custody form was used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples were shipped, the person in custody of them relinquished the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory verified sample integrity and confirmed that the samples were collected in the proper container, preserved correctly, and that there was an adequate volume for analysis.

If these conditions were met, the sample was assigned a unique log number for identification throughout analysis and reporting. The log number was recorded on the chain-of-custody form and in the legally-required logbook maintained by the laboratory in the laboratory. The sample description, date received, client's name, and other relevant information was also recorded.

ENCLOSURE B

Uniform Hazardous Waste Manifests

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000032612 — Manifest Document No. 94997 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ARCO PRODUCTS
4 CENTER POINT LA PALMA CA 90623,
4. Generator's Phone (714) 670-5300

A. State Manifest Document Number: 21394997
B. State Generator's ID:

5. Transporter 1 Company Name: ECOLOGY CONTROL INDUSTRIES
6. US EPA ID Number: CAD982036173
C. State Transporter's ID [Reserved.]:
D. Transporter's Phone: 510-235-1393

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved.]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
ECOLOGY CONTROL INDUSTRIES
255 PARR BLVD
RICHMOND, CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID:
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. WASTE EMPTY STORAGE TANK NON-RCRA HAZARDOUS WASTE SOLID	001	TP	12000	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK(S) @ 12500 GAL
TANK(S) HAVE BEEN INERTED WITH
15 LBS DRY ICE PER 1000 GALLONS CAPACITY

K. Handling Codes for Wastes Listed Above
a. b. c. d.

Wear appropriate protective clothing when handling. SITE LOCATION: ARCO STATION
24 Hour Emergency Telephone Number: X 1 800 ARCO Fix
24 Hour Emergency Contact: X 1800 ARCO Fix ERG 171
2200 HESPERIAN
HAYWARD, CA

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Darryk Ataide — Signature: [signature] — Month 02 Day 21 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lawrence Major — Signature: [signature] — Month 02 Day 20 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: — Signature: — Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700-22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000032512 | Manifest Document No. 95000 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ARCO PRODUCTS
4 CENTER POINT LA PALMA CA 90623,
4. Generator's Phone (714) 670-5300

A. State Manifest Document Number: 21395000
B. State Generator's ID:

5. Transporter 1 Company Name: ECOLOGY CONTROL INDUSTRIES
6. US EPA ID Number: CAD982030173
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 510-235-1393

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved.]
F. Transporter's Phone:

9. Designated Facility Name and Site Address
ECOLOGY CONTROL INDUSTRIES
255 PARR BLVD
RICHMOND, CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID:
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. WASTE EMPTY STORAGE TANK NON-RCRA HAZARDOUS WASTE SOLID	001	TP	06020	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK(S) #29568
TANK(S) HAVE BEEN INERTED WITH
15 LBS DRY ICE PER 1000 GALLONS CAPACITY.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Wear appropriate protective clothing when handling. SITE LOCATION: ARCO STATION
24 Hour Emergency Telephone Number: 1 800 ARCO Fix
2200 HESPERIAN
24 Hour Emergency Contact: 1 800 ARCO Fix ERG 171
HAYWARD, CA

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Printed/Typed Name: Darryk Attaide | Signature: D. Attaide | Month 02 Day 01 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Fred Toensmeier | Signature: Fred Toensmeier | Month 02 Day 11 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: | Signature: | Month Day Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR | TRANSPORTER | FACILITY

DTSC 8022A (1/99)
EPA 8700-22

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To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CIALI0I0I0I3I2I6I1I2I9I4I9I4I4
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ARCO Products
4 CENTER POINT LA PALMA CA. 90823

A. State Manifest Document Number: 2139494

4. Generator's Phone: (714) 670-5300

B. State Generator's ID:

5. Transporter 1 Company Name: Ecology Control Industries
6. US EPA ID Number: CAD982030173
C. State Transporter's ID [Reserved.]:
D. Transporter's Phone: 510-235-1393

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved.]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
ECOLOGY CONTROL INDUSTRIES
255 PARR BLVD
RICHMOND, CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID:
H. Facility's Phone: (510) 235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK	002	TP	12065	P	State: 512; EPA/Other: NONE
b.					State: ; EPA/Other:
c.					State: ; EPA/Other:
d.					State: ; EPA/Other:

J. Additional Descriptions for Materials Listed Above
QTY: 2 EMPTY STORAGE TANK # 29570 - 29571
TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE.
24 HOUR EMERGENCY CONTACT: 1-800-ARCO-FIX
SITE LOCATION: ARCO STATION 2200 HESPERIAN HAYWARD CA.
24 HOUR EMERGENCY TELEPHONE NUMBER: 1-800-ARCO-FIX
DOT ERG # 171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: GABE HINOJOSA ON BEHALF OF ARCO
Signature:
Month: 02 Day: 05 Year: 02

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: MICHAEL A. MYERS
Signature:
Month: 02 Day: 05 Year: 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month: Day: Year:

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name:
Signature:
Month: Day: Year:

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EPA 8700—22

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ENCLOSURE C

Soil Sample Laboratory Analytical Reports

Sequoia Analytical

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

February 05 , 2002

Steven Meeks
Delta Environmental Consultants (Rancho Cordova)
3164 Gold Camp Drive Ste. 200
Rancho Cordova, CA 95670
RE: Arco 5387, Hayward, CA / S202019

Enclosed are the results of analyses for samples received by the laboratory on 02/01/02. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew
Client Services Representative

Lito Diaz
Laboratory Director

CA ELAP Certificate Number 1624

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-1-3.5	S202019-01	Soil	02/01/02 11:11	02/01/02 17:25
DP-1-7.0	S202019-02	Soil	02/01/02 11:24	02/01/02 17:25
DP-2-4.0	S202019-03	Soil	02/01/02 11:02	02/01/02 17:25
DP-3-3.5	S202019-04	Soil	02/01/02 11:42	02/01/02 17:25
DP-4-4.0	S202019-05	Soil	02/01/02 10:49	02/01/02 17:25
PL-1-4.5	S202019-06	Soil	02/01/02 11:05	02/01/02 17:25
PL-2-5.0	S202019-07	Soil	02/01/02 10:52	02/01/02 17:25
UST-1-14.0	S202019-08	Soil	02/01/02 13:36	02/01/02 17:25
UST-2-14.0	S202019-09	Soil	02/01/02 13:40	02/01/02 17:25
UST-3-14.0	S202019-10	Soil	02/01/02 13:45	02/01/02 17:25
UST-4-14.0	S202019-11	Soil	02/01/02 13:51	02/01/02 17:25

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Total Purgeable Hydrocarbons and BTEX by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-1-3.5 (S202019-01) Soil Sampled: 02/01/02 11:11 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	**16**	10	mg/kg	2	2020027	02/04/02	02/04/02	DHS LUFT	
Benzene	**0.19**	0.10	"	"	"	"	"	"	
Toluene	**1.6**	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.47**	0.10	"	"	"	"	"	"	
Xylenes (total)	**2.8**	0.10	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*60-140*		"	"	"	"	
DP-1-7.0 (S202019-02) Soil Sampled: 02/01/02 11:24 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	**1800**	100	mg/kg	20	2020027	02/04/02	02/04/02	DHS LUFT	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	**36**	1.0	"	"	"	"	"	"	
Ethylbenzene	**25**	1.0	"	"	"	"	"	"	
Xylenes (total)	**140**	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.7 %*	*60-140*		"	"	"	"	
DP-2-4.0 (S202019-03) Soil Sampled: 02/01/02 11:02 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020025	02/01/02	02/01/02	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*60-140*		"	"	"	"	
DP-3-3.5 (S202019-04) Soil Sampled: 02/01/02 11:42 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020025	02/01/02	02/01/02	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*69.0 %*	*60-140*		"	"	"	"	

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Total Purgeable Hydrocarbons and BTEX by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-4-4.0 (S202019-05) Soil Sampled: 02/01/02 10:49 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020025	02/01/02	02/01/02	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*70.0 %*	*60-140*		"	"	"	"	
PL-1.-4.5 (S202019-06) Soil Sampled: 02/01/02 11:05 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020025	02/01/02	02/01/02	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*71.0 %*	*60-140*		"	"	"	"	
PL-2-5.0 (S202019-07) Soil Sampled: 02/01/02 10:52 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020026	02/04/02	02/04/02	DHS LUFT	
Benzene	**0.0060**	0.0050	"	"	"	"	"	"	
Toluene	**0.014**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.0080**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*61.5 %*	*60-140*		"	"	"	"	
UST-1-14.0 (S202019-08) Soil Sampled: 02/01/02 13:36 Received: 02/01/02 17:25									
Purgeable Hydrocarbons	**8.1**	2.5	mg/kg	5	2020026	02/04/02	02/04/02	DHS LUFT	HC-12
Benzene	ND	0.025	"	"	"	"	"	"	
Toluene	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	"	"	
Xylenes (total)	**0.029**	0.025	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.5 %*	*60-140*		"	"	"	"	

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Total Purgeable Hydrocarbons and BTEX by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
UST-2-14.0 (S202019-09) Soil	**Sampled: 02/01/02 13:40**	**Received: 02/01/02 17:25**							
Purgeable Hydrocarbons	1.4	0.50	mg/kg	1	2020026	02/04/02	02/04/02	DHS LUFT	HC-12
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.025	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.0 %*	*60-140*		"	"	"	"	
UST-3-14.0 (S202019-10) Soil	**Sampled: 02/01/02 13:45**	**Received: 02/01/02 17:25**							
Purgeable Hydrocarbons	0.76	0.50	mg/kg	5	2020026	02/04/02	02/04/02	DHS LUFT	HC-12
Benzene	ND	0.025	"	"	"	"	"	"	
Toluene	0.041	0.025	"	"	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	"	"	
Xylenes (total)	ND	0.025	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.5 %*	*60-140*		"	"	"	"	
UST-4-14.0 (S202019-11) Soil	**Sampled: 02/01/02 13:51**	**Received: 02/01/02 17:25**							
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020026	02/04/02	02/04/02	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*78.5 %*	*60-140*		"	"	"	"	

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-1-3.5 (S202019-01) Soil Sampled: 02/01/02 11:11 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
DP-1-7.0 (S202019-02) Soil Sampled: 02/01/02 11:24 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
DP-2-4.0 (S202019-03) Soil Sampled: 02/01/02 11:02 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
DP-3-3.5 (S202019-04) Soil Sampled: 02/01/02 11:42 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
DP-4-4.0 (S202019-05) Soil Sampled: 02/01/02 10:49 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
PL-1-4.5 (S202019-06) Soil Sampled: 02/01/02 11:05 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
PL-2-5.0 (S202019-07) Soil Sampled: 02/01/02 10:52 Received: 02/01/02 17:25									
Lead	130	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
UST-1-14.0 (S202019-08) Soil Sampled: 02/01/02 13:36 Received: 02/01/02 17:25									
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
UST-2-14.0 (S202019-09) Soil Sampled: 02/01/02 13:40 Received: 02/01/02 17:25									
Lead	ND	12	mg/kg	5	2020029	02/04/02	02/05/02	EPA 6010B	

Sequoia Analytical

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
UST-3-14.0 (S202019-10) Soil	**Sampled: 02/01/02 13:45**	**Received: 02/01/02 17:25**							
Lead	ND	12	mg/kg	5	2020029	02/04/02	02/05/02	EPA 6010B	
UST-4-14.0 (S202019-11) Soil	**Sampled: 02/01/02 13:51**	**Received: 02/01/02 17:25**							
Lead	ND	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-1-3.5 (S202019-01) Soil	**Sampled: 02/01/02 11:11**	**Received: 02/01/02 17:25**							**R-05**
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020019	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	0.27	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*101 %*	*60-140*		"	"	"	"	
DP-1-7.0 (S202019-02) Soil	**Sampled: 02/01/02 11:24**	**Received: 02/01/02 17:25**							**R-05**
Tert-butyl alcohol	4.1	0.50	mg/kg	10	2020019	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	19	0.050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Tert-amyl methyl ether	21	0.050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*88.0 %*	*60-140*		"	"	"	"	
DP-2-4.0 (S202019-03) Soil	**Sampled: 02/01/02 11:02**	**Received: 02/01/02 17:25**							
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*86.8 %*	*60-140*		"	"	"	"	
DP-3-3.5 (S202019-04) Soil	**Sampled: 02/01/02 11:42**	**Received: 02/01/02 17:25**							
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*84.8 %*	*60-140*		"	"	"	"	

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-4-4.0 (S202019-05) Soil Sampled: 02/01/02 10:49 Received: 02/01/02 17:25									
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*86.2 %*	*60-140*		"	"	"	"	
PL-1.-4.5 (S202019-06) Soil Sampled: 02/01/02 11:05 Received: 02/01/02 17:25									
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*86.8 %*	*60-140*		"	"	"	"	
PL-2-5.0 (S202019-07) Soil Sampled: 02/01/02 10:52 Received: 02/01/02 17:25									
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	**0.033**	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*98.0 %*	*60-140*		"	"	"	"	
UST-1-14.0 (S202019-08) Soil Sampled: 02/01/02 13:36 Received: 02/01/02 17:25									
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*77.8 %*	*60-140*		"	"	"	"	

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
UST-2-14.0 (S202019-09) Soil	**Sampled: 02/01/02 13:40**	**Received: 02/01/02 17:25**							**R-05**
Tert-butyl alcohol	ND	0.25	mg/kg	5	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	**0.50**	0.025	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.025	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*79.2 %*	*60-140*		"	"	"	"	
UST-3-14.0 (S202019-10) Soil	**Sampled: 02/01/02 13:45**	**Received: 02/01/02 17:25**							**R-05**
Tert-butyl alcohol	ND	0.25	mg/kg	5	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	**0.67**	0.025	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.025	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*75.6 %*	*60-140*		"	"	"	"	
UST-4-14.0 (S202019-11) Soil	**Sampled: 02/01/02 13:51**	**Received: 02/01/02 17:25**							
Tert-butyl alcohol	ND	0.050	mg/kg	1	2020011	02/04/02	02/04/02	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.0050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*80.0 %*	*60-140*		"	"	"	"	

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

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 2020025 - EPA 5030B (P/T)										
Blank (2020025-BLK1)				Prepared & Analyzed: 02/01/02						
Purgeable Hydrocarbons	ND	0.50	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.0178*		"	*0.0200*		*89.0*	*60-140*			
LCS (2020025-BS1)				Prepared & Analyzed: 02/01/02						
Benzene	0.0177	0.0050	mg/kg	0.0200		88.5	70-130			
Toluene	0.0166	0.0050	"	0.0200		83.0	70-130			
Ethylbenzene	0.0177	0.0050	"	0.0200		88.5	70-130			
Xylenes (total)	0.0503	0.0050	"	0.0600		83.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*0.0158*		"	*0.0200*		*79.0*	*60-140*			
Batch 2020026 - EPA 5030B (P/T)										
Blank (2020026-BLK1)				Prepared & Analyzed: 02/04/02						
Purgeable Hydrocarbons	ND	0.50	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.0179*		"	*0.0200*		*89.5*	*60-140*			
LCS (2020026-BS1)				Prepared & Analyzed: 02/04/02						
Benzene	0.0170	0.0050	mg/kg	0.0200		85.0	70-130			
Toluene	0.0155	0.0050	"	0.0200		77.5	70-130			
Ethylbenzene	0.0170	0.0050	"	0.0200		85.0	70-130			
Xylenes (total)	0.0480	0.0050	"	0.0600		80.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*0.0157*		"	*0.0200*		*78.5*	*60-140*			

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

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 2020026 - EPA 5030B (P/T)										
LCS Dup (2020026-BSD1)				Prepared & Analyzed: 02/04/02						
Benzene	0.0193	0.0050	mg/kg	0.0200		96.5	70-130	12.7	25	
Toluene	0.0205	0.0050	"	0.0200		102	70-130	27.8	25	QR-02
Ethylbenzene	0.0200	0.0050	"	0.0200		100	70-130	16.2	25	
Xylenes (total)	0.0580	0.0050	"	0.0600		96.7	70-130	18.9	25	
Surrogate: a,a,a-Trifluorotoluene	*0.0169*		"	*0.0200*		*84.5*	*60-140*			
Batch 2020027 - EPA 5030B (MeOH)										
Blank (2020027-BLK1)				Prepared & Analyzed: 02/04/02						
Purgeable Hydrocarbons	ND	5.0	mg/kg							
Benzene	ND	0.050	"							
Toluene	ND	0.050	"							
Ethylbenzene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Surrogate: a,a,a-Trifluorotoluene	*1.05*		"	*1.00*		*105*	*60-140*			
LCS (2020027-BS1)				Prepared & Analyzed: 02/04/02						
Benzene	0.894	0.050	mg/kg	1.00		89.4	70-130			
Toluene	1.08	0.050	"	1.00		108	70-130			
Ethylbenzene	1.20	0.050	"	1.00		120	70-130			
Xylenes (total)	3.51	0.050	"	3.00		117	70-130			
Surrogate: a,a,a-Trifluorotoluene	*1.10*		"	*1.00*		*110*	*60-140*			
LCS Dup (2020027-BSD1)				Prepared & Analyzed: 02/04/02						
Benzene	0.853	0.050	mg/kg	1.00		85.3	70-130	4.69	25	
Toluene	1.29	0.050	"	1.00		129	70-130	17.7	25	
Ethylbenzene	1.21	0.050	"	1.00		121	70-130	0.830	25	
Xylenes (total)	3.86	0.050	"	3.00		129	70-130	9.50	25	
Surrogate: a,a,a-Trifluorotoluene	*0.907*		"	*1.00*		*90.7*	*60-140*			

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

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 2020029 - EPA 3050B										
Blank (2020029-BLK1)				Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	ND	2.5	mg/kg							
LCS (2020029-BS1)				Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	47.3	2.5	mg/kg	50.0		94.6	80-120			
Matrix Spike (2020029-MS1)	Source: S202019-05			Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	49.8	10	mg/kg	50.0	ND	87.2	80-120			
Matrix Spike Dup (2020029-MSD1)	Source: S202019-05			Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	50.2	10	mg/kg	50.0	ND	88.0	80-120	0.800	20	

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3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	**Reported:**
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 14:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2020011 - EPA 5030B [P/T]										
Blank (2020011-BLK1)				Prepared & Analyzed: 02/04/02						
Tert-butyl alcohol	ND	0.050	mg/kg							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.0050	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
Surrogate: 1,2-DCA-d4	*0.0411*		"	*0.0500*		*82.2*	*60-140*			
LCS (2020011-BS1)				Prepared & Analyzed: 02/04/02						
Methyl tert-butyl ether	0.0488	0.0050	mg/kg	0.0500		97.6	60-140			
Surrogate: 1,2-DCA-d4	*0.0392*		"	*0.0500*		*78.4*	*60-140*			
Matrix Spike (2020011-MS1)		Source: S202019-03		Prepared & Analyzed: 02/04/02						
Methyl tert-butyl ether	0.0385	0.0050	mg/kg	0.0500	ND	75.8	60-140			
Surrogate: 1,2-DCA-d4	*0.0366*		"	*0.0500*		*73.2*	*60-140*			
Matrix Spike Dup (2020011-MSD1)		Source: S202019-03		Prepared & Analyzed: 02/04/02						
Methyl tert-butyl ether	0.0405	0.0050	mg/kg	0.0500	ND	79.8	60-140	5.06	25	
Surrogate: 1,2-DCA-d4	*0.0397*		"	*0.0500*		*79.4*	*60-140*			
Batch 2020019 - EPA 5030B [P/T]										
Blank (2020019-BLK1)				Prepared & Analyzed: 02/04/02						
Tert-butyl alcohol	ND	0.050	mg/kg							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.0050	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
Surrogate: 1,2-DCA-d4	*2.74*		"	*2.50*		*110*	*60-140*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2020019 - EPA 5030B [P/T]										
LCS (2020019-BS1)				Prepared & Analyzed: 02/04/02						
Methyl tert-butyl ether	2.47	0.0050	mg/kg	2.50		98.8	60-140			
Surrogate: 1,2-DCA-d4	*2.76*		"	*2.50*		*110*	*60-140*			
LCS Dup (2020019-BSD1)				Prepared & Analyzed: 02/04/02						
Methyl tert-butyl ether	2.64	0.0050	mg/kg	2.50		106	60-140	6.65	25	
Surrogate: 1,2-DCA-d4	*2.82*		"	*2.50*		*113*	*60-140*			

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Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
QR-02	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
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

ARCO Products Company
Division of Atlantic-Richfield Company

Task Order No.

Chain of Custody

ARCO Facility no. 5387	City (Facility) Hayward, California	Project manager (Consultant) Steve Meeks	Laboratory name
ARCO engineer Paul Supple	Telephone no. (ARCO)	Telephone no. (Consultant) 916-936-2613	Fax no. (Consultant) 916 638 8385
Consultant name Delta Environmental Consultants, Inc.	Address (Consultant) 3164 Gold camp Drive #200, Rancho Cordova		Contract number

Sample I.D.	Lab no.	Container no.	Matrix: Soil	Matrix: Water	Matrix: Other	Preservation: Ice	Preservation: Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH as EPA M602/8020/8015	TPH Modified 8015 Gas / Diesel	Oil and Grease 413.1 / 413.2	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	Ether oxygenates EPA 8260 by 8260	TCLP Metals / VOA / VOA	CAM METALS EPA 6010/7000 TTLC / STLC	Lead Org./DHS / Lead EPA 7420/7421	Total Lead	MTBE by 8260
DP-1-3.5			S			X		2/1/02	1111		X				8260019-1		X				X	X
DP-1-7.0			S			X		2/1/02	1124		X				-2		X				X	X
DP-2-4.0			S			X		2/1/02	1102		X				-3		X				X	X
DP-3-3.5			S			X		2/1/02	1142		X				-4		X				X	X
DP-4-4.0			S			X		2/1/02	1049		X				-5		X				X	X
PL-1-4.5			S			X		2/1/02	1105		X				-6		X				X	X
PL-2-5.0			S			X		2/1/02	1052		X				-7		X				X	X
UST-1-14.0			S			X		2/1/02	1336		X				-8		X				X	X
UST-2-14.0			X			X		2/1/02	1340		X				-9		X				X	X
UST-3-14.0			X			X		2/1/02	1345		X				-10		X				X	X
UST-4-14.0			X			X		2/1/02	1351		X				-11		X				X	X
																				Rush'd 10°C		

Special detection Limit/reporting

Special QA/QC

Remarks: Mike, DP-1 is possible high

Lab number

Turnaround time

- Priority Rush 1 Business Day ☑
- Rush 2 Business Days ☐
- Expedited 6 Business Days ☐
- Standard 10 Business Days ☐

Method of shipment

Condition of sample:

Temperature received:

Relinquished by sampler: Brett Bardsley	Date: 2/1/02	Time: 1725	Received by: [signature] 2/1/02 1725
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by / Date / Time

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant

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(916) 921-9600
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February 05 , 2002

Steven Meeks
Delta Environmental Consultants (Rancho Cordova)
3164 Gold Camp Drive Ste. 200
Rancho Cordova, CA 95670
RE: Arco 5387, Hayward, CA / S202020

Enclosed are the results of analyses for samples received by the laboratory on 02/01/02. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew
Client Services Representative

Lito Diaz
Laboratory Director

CA ELAP Certificate Number 1624

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Delta Environmental Consultants (Rancho Cordova	Project: Arco 5387, Hayward, CA	
3164 Gold Camp Drive Ste. 200	Project Number: 5387, Hayward, CA	Reported:
Rancho Cordova CA, 95670	Project Manager: Steven Meeks	02/05/02 13:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-(1,2,3,4) COMPOSITE	S202020-01	Soil	02/01/02 14:15	02/01/02 17:25
SP-(5,6,7,8) COMPOSITE	S202020-02	Soil	02/01/02 14:15	02/01/02 17:25

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Total Purgeable Hydrocarbons and BTEX by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-(1,2,3,4) COMPOSITE (S202020-01) Soil	**Sampled: 02/01/02 14:15 Received: 02/01/02 17:25**								
Purgeable Hydrocarbons	**0.66**	0.50	mg/kg	1	2020026	02/04/02	02/04/02	DHS LUFT	HC-12
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.012**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.011**	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.5 %*	*60-140*		"	"	"	"	
SP-(5,6,7,8) COMPOSITE (S202020-02) Soil	**Sampled: 02/01/02 14:15 Received: 02/01/02 17:25**								
Purgeable Hydrocarbons	ND	0.50	mg/kg	1	2020026	02/04/02	02/04/02	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*48.2 %*	*60-140*		"	"	"	"	*S-04*

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Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-(1,2,3,4) COMPOSITE (S202020-01) Soil	**Sampled: 02/01/02 14:15 Received: 02/01/02 17:25**								
Lead	17	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	
SP-(5,6,7,8) COMPOSITE (S202020-02) Soil	**Sampled: 02/01/02 14:15 Received: 02/01/02 17:25**								
Lead	660	10	mg/kg	4	2020029	02/04/02	02/05/02	EPA 6010B	

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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 2020026 - EPA 5030B (P/T)										
Blank (2020026-BLK1)				Prepared & Analyzed: 02/04/02						
Purgeable Hydrocarbons	ND	0.50	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.0179*		"	*0.0200*		*89.5*	*60-140*			
LCS (2020026-BS1)				Prepared & Analyzed: 02/04/02						
Benzene	0.0170	0.0050	mg/kg	0.0200		85.0	70-130			
Toluene	0.0155	0.0050	"	0.0200		77.5	70-130			
Ethylbenzene	0.0170	0.0050	"	0.0200		85.0	70-130			
Xylenes (total)	0.0480	0.0050	"	0.0600		80.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*0.0157*		"	*0.0200*		*78.5*	*60-140*			
LCS Dup (2020026-BSD1)				Prepared & Analyzed: 02/04/02						
Benzene	0.0193	0.0050	mg/kg	0.0200		96.5	70-130	12.7	25	
Toluene	0.0205	0.0050	"	0.0200		102	70-130	27.8	25	QR-02
Ethylbenzene	0.0200	0.0050	"	0.0200		100	70-130	16.2	25	
Xylenes (total)	0.0580	0.0050	"	0.0600		96.7	70-130	18.9	25	
Surrogate: a,a,a-Trifluorotoluene	*0.0169*		"	*0.0200*		*84.5*	*60-140*			

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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 2020029 - EPA 3050B										
Blank (2020029-BLK1)				Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	ND	2.5	mg/kg							
LCS (2020029-BS1)				Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	47.3	2.5	mg/kg	50.0		94.6	80-120			
Matrix Spike (2020029-MS1)	Source: S202019-05			Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	49.8	10	mg/kg	50.0	ND	87.2	80-120			
Matrix Spike Dup (2020029-MSD1)	Source: S202019-05			Prepared: 02/04/02 Analyzed: 02/05/02						
Lead	50.2	10	mg/kg	50.0	ND	88.0	80-120	0.800	20	

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Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
QR-02	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-04	The surrogate recovery for this sample is outside control limits due to interference from the sample matrix.
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

ARCO Products Company
Division of Atlantic-Richfield Company

Task Order No.

Chain of Custody

ARCO Facility no. 5387	City (Facility) Hayward California	Project manager (Consultant) Steve Meeks	Laboratory name
ARCO engineer Paul Supple	Telephone no. (ARCO)	Telephone no. (Consultant) 916-536-2613	Fax no. (Consultant) 916 639 9385
Consultant name Delta Environmental Consultants, Inc.	Address (Consultant) 3164 Gold Camp Drive Suite 200, Rancho Cordova		Contract number

Sample I.D.	Lab no.	Container no.	Matrix: Soil	Matrix: Water	Matrix: Other	Preservation: Ice	Preservation: Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas ☐ Diesel ☐	Oil and Grease 413.1 ☐ 413.2 ☐	TPH EPA 418.1/SM5030E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals ☐ VOA ☐ VOA ☐ Semi	CAM METALS EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead EPA 7420/7421 ☐	Total Lead
SP-1			X			X		2/1/02	1415		X										X
SP-2			X			X		2/1/02	1415		X			8020/8015				1			X
SP-3			X			X		2/1/02	1415		X										X
SP-4			X			X		2/1/02	1415		X										X
SP-5			X			X		2/1/02	1415		X										X
SP-6			X			X		2/1/02	1415		X										X
SP-7			X			X		2/1/02	1415		X			8020/8015				2			X
SP-8			X			X		2/1/02	1415		X										X
																					Rush 10 pc

Special detection Limit/reporting: composite 4:1

Special QA/QC: composite 4:1

Remarks

Lab number

Turnaround time

- Priority Rush 1 Business Day: X
- Rush 2 Business Days: ☐
- Expedited 5 Business Days: ☐
- Standard 10 Business Days: ☐

Condition of sample:		Temperature received:	
Relinquished by sampler: Brett Bardsley	Date: 2/1/02 Time: 1726	Received by:	2/1/02 1726
Relinquished by	Date Time	Received by	
Relinquished by	Date Time	Received by	Date Time

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant

ARC-3292 (2-91)

FEB 26 '02 01:50PM SEQUOIA/SAC P.9/9

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