Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

August 25, 2000

Mr. Paul Supple
ARCO Products Company
P.O. Box 6459
Moraga, CA 94570

Subject: *Hand Auger Assessment Boring Results Report*
ARCO Service Station No. 5387
20200 Hesperian Boulevard
Hayward, California
Delta Project No. D000-318

Dear Mr. Supple:

Delta Environmental Consultants, Inc. (Delta) has been authorized by ARCO Products Company (ARCO) to conduct additional environmental investigative work at ARCO Service Station No. 5387, located at 20200 Hesperian Boulevard, Hayward, Alameda County, California. The investigation is being conducted to further assess the distribution of petroleum hydrocarbons in soil beneath the site. The location of the site is shown in Figure 1. A site map is shown in Figure 2.

Additional work was proposed in *Work Plan to Evaluate Hydrocarbon Impacted Soil at ARCO Station 5387* dated December 15, 1999 prepared by the IT Group, and a revision to the work plan dated June 12, 2000. Alameda County Health Care Services (ACHCS) issued a letter dated June 12, 2000 agreeing to the revision to the work plan. A copy of the June 12, 2000 letter from ACHCS is included in Enclosure A.

Project Background

In December 1998, an ACHCS representative observed a leak from the impact valve of dispenser No. 8 while overseeing the re-booting of the dispenser piping. Consequently, on May 27, 1999, a Thrifty Oil geologist, under the direction of Ms. Juliet Shin and Mr. Robert Weston of ACHCS, collected two soil samples from beneath dispenser No. 8 (samples identified as 8E and 8N). Additionally, one soil sample was collected from beneath dispensers No. 6 identified as sample 6E and beneath dispenser No. 7 identified as 7E to assess whether or not prior fuel leaks had occurred at the other dispenser locations. Petroleum hydrocarbon constituents were detected only in the soil samples identified as 8N and 8E. As a result, the ACHCS requested further assessment under dispenser No. 8.

Work Performed

On June 13, 2000, a Delta geologist was on site to advance one hand auger soil boring (HA-1) to a total depth of approximately 13 feet below surface grade (bsg) at an angle approximately 60^0 off horizontal. Soil samples were collected at 3-feet, 6-feet, 9-feet, and 12.5-feet bsg for chemical analysis. Soil samples collected were submitted to Columbia Analytical Services, Inc. in Santa Clara, California for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8021B, and total petroleum hydrocarbons (TPH) as gasoline by EPA Method 5030/Ca-LUFT. Detected concentrations of MTBE were confirmed by EPA Method 8260 by the laboratory. The location of the hand auger boring is illustrated in Figure 2.

Laboratory analysis reported detectable concentrations of petroleum hydrocarbon constituents in each sample analyzed. Benzene was not detected at or above the laboratory reporting limits in the soil samples. Concentrations of TPH as gasoline were reported in soil samples collected at depths of 3-feet, 6-feet, 9-feet, and 12.5-feet ranging from 2 milligrams per kilogram (mg/kg) to 820 mg/kg. Concentrations of MTBE were reported in samples collected at 3-feet, 6-feet, 9-feet, and 12.5-feet ranging from 0.15 mg/kg to 0.97 mg/kg. Soil sample analytical results are summarized in Table 1. A copy of the laboratory analytical report with chain of custody documentation is included in Enclosure B.

At the completion of the boring, it was backfilled with neat cement grout from the base of the boring to within six inches of surface. The surface was then capped with concrete to match the existing grade.

Soil Stockpile

Soil and debris generated from advancement of the hand auger boring was placed inside a 55-gallon DOT drum. A field composite soil sample was collected from the drum for chemical analyses to evaluate disposal options. The soil was subsequently accepted for disposal by Republic-Vasco landfill in Livermore, California and, on July 6, 2000, Dillard Trucking, Inc. removed the drum from the site and transported it to the Republic-Vasco landfill. A copy of the soil removal completion letter with waste manifest is included in Enclosure C.

Conclusions/Recommendations

Based on the analytical results, it appears that the soil beneath dispenser No. 8 was not significantly impacted. Benzene concentrations were not detected at or above the laboratory reporting limits and MTBE was reported at less than 1 milligram per kilogram. The data indicates that no further action is required at this site.

Remarks/Signatures

The interpretations contained in this report 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 hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

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

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

J. William Speth
Project Geologist

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

REGISTERED PROFESSIONAL ENGINEER
STEVEN WHITTEN MEEKS
C 057461
Exp. 12/31/01
CIVIL
STATE OF CALIFORNIA

JWS (LRP001.318)

Enclosures

cc: Mr. Amir Gholami - Alameda County Health Care Services, Environmental Protection

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

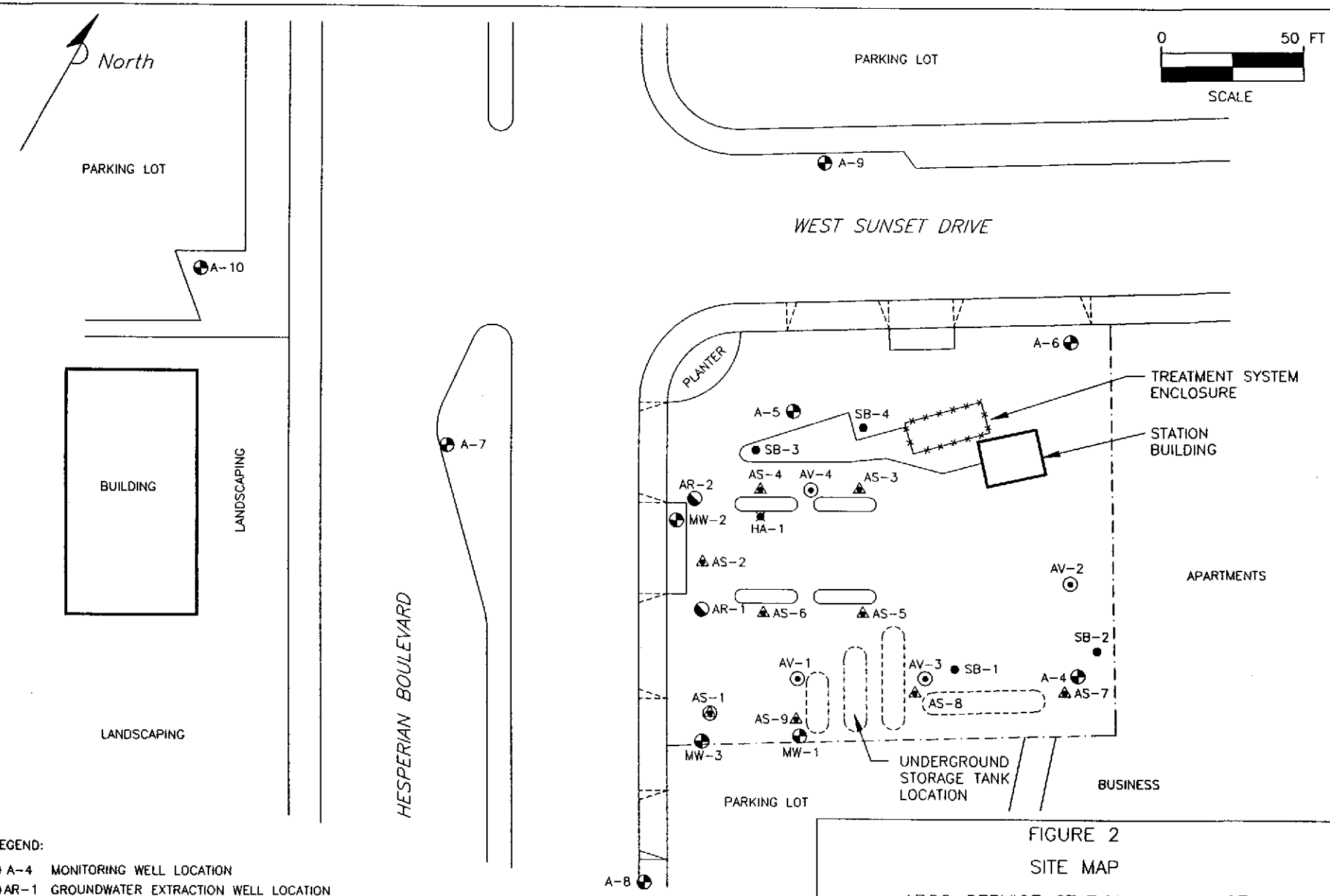
ARCO SERVICE STATION NO. 05387

20200 HESPERIAN BOULEVARD

HAYWARD, CA.

PROJECT NO. D000-318	DRAWN BY M.L. 8/8/00
FILE NO. D000318A	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND:

- A-4 MONITORING WELL LOCATION
- AR-1 GROUNDWATER EXTRACTION WELL LOCATION
- AV-1 SOIL VAPOR EXTRACTION WELL LOCATION
- AS-2 AIR SPARGE WELL LOCATION
- AS-1 DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL LOCATION
- SB-1 SOIL BORING LOCATION
- HA-1 HAND AUGER LOCATION

NOTE: FIGURE ADAPTED FROM IT CORPORATION DRAWING. SITE DIMENSIONS AND FEATURES NOT VERIFIED.

FIGURE 2

SITE MAP

ARCO SERVICE STATION NO. 05387

20200 HESPERIAN BOULEVARD

HAYWARD, CA.

PROJECT NO. D000-318	DRAWN BY M.L. 8/8/00
FILE NO. D000318B	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

ARCO Station No. 5387
20200 Hesperian Boulevard
Hayward, California

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH as Gasoline (mg/kg)	MTBE (mg/kg)
6E	05/27/99	2.5	<0.005	<0.005	<0.005	<0.01	<1.0	<0.02
7E	05/27/99	2.5	<0.005	<0.005	<0.005	<0.01	<1.0	<0.02
8N	05/27/99	2.5-3.0	<0.005	<0.005	<0.005	0.038	8.4	2.1/2.2[a]
8E	05/27/99	2.5-3.0	0.38	9.8	18	210	2,400	13/10[a]
HA-1-3	06/13/00	3.0	<0.012	0.18	2.1	12	170	0.65
HA-1-6	06/13/00	6.0	<0.025	<0.025	9.4	31	820	0.66
HA-1-9	06/13/00	9.0	<0.012	<0.012	1.1	4.1	190	0.97
HA-1-125	06/13/00	12.5	<0.005	<0.005	0.016	0.069	2.0	0.15

[a] MTBE by EPA Method 8260B

TPH = Total petroleum hydrocarbons
mg/kg = Milligrams per kilogram
MTBE = Methyl-tertiary-butyl ether

ENCLOSURE A

Alameda County Health Care Services Letter Dated June 12, 2000

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

COPY

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Stid 817

June 12, 2000

RECEIVED
JUN 15 2000
By

Mr. Paul Supple
P.O. Box 6459
Moraga, CA 94570

Re: Arco Station at 20200 Hesperian Blvd. Hayward, CA 94541

Dear Mr. Supple:

This office received a request, dated June 12, 2000, for a revision of a workplan to evaluate Hydrocarbon Impacted Soil regarding the above referenced site dated December 15, 1999. In my letter dated February 25th, 2000, I concur with the proposal made by Mr. Glen VanderVeen of The IT Group in regard to the above workplan to investigate contamination in areas below dispensers #6, #7, and #8. However, I had a recent discussion with Mr. Steven Meeks of Delta Environmental, Inc., your recent consultant, who requested to investigate under dispenser #8 only. This is due to the fact that this area has been the only area under dispensers with hydrocarbon contaminated soil underneath.

Per our previous communication and the letter dated September 3, 1999, by Juliet Shin, formerly of our office, the concentrations of contaminants in most monitoring wells have generally decreased to acceptable levels. Therefore, the groundwater monitoring at the site was to be discontinued until further notice.

I will be looking forward for the result of this investigation.

If you have any questions, please call me at (510)-567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Steven Meeks, Delta Environmental Inc., 3164 Gold Camp Drive, Rancho Cordova, CA 95670
files

ENCLOSURE B

Soil Sample Laboratory Analytical Report

Columbia Analytical Services INC.
An Employee-Owned Company

June 29, 2000

Service Request No.: S2001749

Mr. Steve Meeks
Delta Environmental Consultants
3164 Gold Camp Dr. Suite 200
Rancho Cordova, CA 95670

RE: 26107.00 RAT#8/5387 Hayward

Dear Mr. Meeks:

Enclosed are the results of the sample(s) submitted to our laboratory on June 15, 2000. All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply to the sample(s) analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Signature of this CAS Analytical Report confirms that pages 2 through 10, following, have been thoroughly reviewed and approved for release.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 2352, expiration: January 31, 2001).

If you have any questions, please call me at (408) 748-9700.

Respectfully submitted,

Columbia Analytical Services, Inc.

Bernadette Troncales
Project Chemist

Greg Jordan
Laboratory Manager

COLUMBIA ANALYTICAL SERVICES, Inc.
Acronyms

A2LA	American Association for Laboratory Accreditation
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CAM	California Assessment Metals
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
COD	Chemical Oxygen Demand
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	*Initial Calibration Blank sample*
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
J	Estimated concentration. The value is less than the MRL, but greater than or equal to the MDL. If the value is equal to the MRL, the result is actually <MRL before rounding.
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MCL	Maximum Contaminant Level. The highest permissible concentration of a substance allowed in drinking water as established by the U. S. EPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl tert-Butyl Ether
NA	Not Applicable
NAN	Not Analyzed
NC	Not Calculated
NCASI	National Council of the paper industry for Air and Stream Improvement
ND	Not Detected at or above the method reporting/detection limit (MRL/MDL)
NIOSH	National Institute for Occupational Safety and Health
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1992
STLC	Solubility Threshold Limit Concentration
SW	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed., 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
tr	Trace level. The concentration of an analyte that is less than the PQL but greater than or equal to the MDL. If the value is equal to the PQL, the result is actually <PQL before rounding.
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00 RAT#8/5387 Hayward	**Date Collected:**	6/13/00
Sample Matrix:	Soil	**Date Received:**	6/15/00

BTEX, MTBE and TPH as Gasoline

Sample Name:	HA-1-3FT	Units:	mg/Kg (ppm)
Lab Code:	S2001749-001	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	5	6/15/00	6/19/00	170	
Benzene	EPA 5030	8021B	0.005	2.5	6/15/00	6/25/00	<0.012	C1
Toluene	EPA 5030	8021B	0.005	5	6/15/00	6/19/00	0.18	
Ethylbenzene	EPA 5030	8021B	0.005	5	6/15/00	6/19/00	2.1	
Xylenes, Total	EPA 5030	8021B	0.10	5	6/15/00	6/19/00	12	
Methyl tert-Butyl Ether	EPA 5030	8021B	0.05	2.5	6/15/00	6/25/00	0.65	

C1 The MRL was elevated due to high analyte concentration requiring sample dilution.

Approved By: _____ Date: 06/29/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00 RAT#8/5387 Hayward	**Date Collected:**	6/13/00
Sample Matrix:	Soil	**Date Received:**	6/15/00

BTEX, MTBE and TPH as Gasoline

Sample Name:	HA-1-6FT	Units:	mg/Kg (ppm)
Lab Code:	S2001749-002	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	12.5	6/15/00	6/25/00	820	
Benzene	EPA 5030	8021B	0.005	5	6/15/00	6/19/00	<0.025	C1
Toluene	EPA 5030	8021B	0.005	5	6/15/00	6/19/00	<0.025	C1
Ethylbenzene	EPA 5030	8021B	0.005	12.5	6/15/00	6/25/00	9.4	
Xylenes, Total	EPA 5030	8021B	0.10	12.5	6/15/00	6/25/00	31	
Methyl tert-Butyl Ether	EPA 5030	8021B	0.05	12.5	6/15/00	6/25/00	0.66	

C1 The MRL was elevated due to high analyte concentration requiring sample dilution.

Approved By: _____ Date: 06/29/00

IS22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00 RAT#8/5387 Hayward	**Date Collected:**	6/13/00
Sample Matrix:	Soil	**Date Received:**	6/15/00

BTEX, MTBE and TPH as Gasoline

Sample Name:	HA-1-9FT	Units:	mg/Kg (ppm)
Lab Code:	S2001749-003	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	5	6/15/00	6/19/00	190	
Benzene	EPA 5030	8021B	0.005	2.5	6/15/00	6/25/00	<0.012	C1
Toluene	EPA 5030	8021B	0.005	2.5	6/15/00	6/25/00	<0.012	C1
Ethylbenzene	EPA 5030	8021B	0.005	5	6/15/00	6/19/00	1.1	
Xylenes, Total	EPA 5030	8021B	0.10	5	6/15/00	6/19/00	4.1	
Methyl tert-Butyl Ether	EPA 5030	8021B	0.05	2.5	6/15/00	6/25/00	0.97	

C1 The MRL was elevated due to high analyte concentration requiring sample dilution.

Approved By: _____ Date: 06/29/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00 RAT#8/5387 Hayward	**Date Collected:**	6/13/00
Sample Matrix:	Soil	**Date Received:**	6/15/00

BTEX, MTBE and TPH as Gasoline

Sample Name:	HA-1-12.5FT	Units:	mg/Kg (ppm)
Lab Code:	S2001749-004	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	1	6/15/00	6/25/00	2	
Benzene	EPA 5030	8021B	0.005	1	6/15/00	6/25/00	ND	
Toluene	EPA 5030	8021B	0.005	1	6/15/00	6/25/00	ND	
Ethylbenzene	EPA 5030	8021B	0.005	1	6/15/00	6/25/00	0.016	
Xylenes, Total	EPA 5030	8021B	0.10	1	6/15/00	6/25/00	0.069	
Methyl tert-Butyl Ether	EPA 5030	8021B	0.05	1	6/15/00	6/25/00	0.15	

Approved By: _____ Date: 06/29/00

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00 RAT#8/5387 Hayward	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

BTEX, MTBE and TPH as Gasoline

Sample Name:	Method Blank	Units:	mg/Kg (ppm)
Lab Code:	S200615-SB1	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	1	6/15/00	6/16/00	ND	
Benzene	EPA 5030	8021B	0.005	1	6/15/00	6/16/00	ND	
Toluene	EPA 5030	8021B	0.005	1	6/15/00	6/16/00	ND	
Ethylbenzene	EPA 5030	8021B	0.005	1	6/15/00	6/16/00	ND	
Xylenes, Total	EPA 5030	8021B	0.10	1	6/15/00	6/16/00	ND	
Methyl tert-Butyl Ether	EPA 5030	8021B	0.05	1	6/15/00	6/16/00	ND	

Approved By: _____ Date: 06/29/00

IS22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00 RAT#8/5387 Hayward	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	6/15/00
		Date Analyzed:	6/16/00

Matrix Spike/Duplicate Matrix Spike Summary
BTEX and TPH as Gasoline

Sample Name:	BATCH QC	Units:	mg/Kg (ppm)
Lab Code:	S2001719-001MS, S2001719-001DMS	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Benzene	EPA 5030	8021B	0.005	0.5	0.5	ND	0.49	0.50	98	100	57-154	2	
Toluene	EPA 5030	8021B	0.005	0.5	0.5	ND	0.48	0.51	96	102	60-142	6	
Ethylbenzene	EPA 5030	8021B	0.005	0.5	0.5	ND	0.49	0.50	98	100	46-150	2	
Gasoline	EPA 5030	CA/LUFT	1	10	10	ND	9.8	9.9	98	99	67-121	1	

Approved By: _____ Date: 06/29/00

DMS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: ARCO Products Company
Project: 26107.00 RAT#8/5387 Hayward
LCS Matrix: Soil

Service Request: S2001749
Date Collected: NA
Date Received: NA
Date Extracted: 6/15/00
Date Analyzed: 6/16/00

Laboratory Control Sample Summary
BTEX and TPH as Gasoline

Sample Name: Lab Control Sample
Lab Code: S200615-LCS
Test Notes:

Units: mg/Kg (ppm)
Basis: Wet

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Benzene	EPA 5030	8021B	0.5	0.48	96	57-154	
Toluene	EPA 5030	8021B	0.5	0.48	96	60-142	
Ethylbenzene	EPA 5030	8021B	0.5	0.47	94	46-150	
Gasoline	EPA 5030	CA/LUFT	10	9.8	98	67-121	

Approved By: _____ Date: 06/29/00

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	ARCO Products Company	**Service Request:**	S2001749
Project:	26107.00.RAT#8/5387 Hayward	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	NA

Surrogate Recovery Summary
BTEX and TPH as Gasoline

Prep Method:	EPA 5030	Units:	PERCENT
Analysis Method:	8021B CA/LUFT	Basis:	NA

Sample Name	Lab Code	Test Notes	Percent Recovery a,a,a-Trifluorotoluene	Percent Recovery a,a,a-Trifluorotoluene
HA-1-3FT	S2001749-001		109	116
HA-1-6FT	S2001749-002		109	113
HA-1-9FT	S2001749-003		108	114
HA-1-12.5FT	S2001749-004		107	106
Method Blank	S200615-SB1		108	111
Lab Control Sample	S200615-LCS		107	118
BATCH QC	S2001719-001MS		107	120
BATCH QC	S2001719-001DMS		108	122

CAS Acceptance Limits: 70-130% 70-130%

Approved By: _____ Date: 06/29/00

SUR2/020397p

ARCO Products Company
Division of AtlanticRichfieldCompany

Task Order No. ~~26107.00~~ S2001749 Hand Auger Boring

Chain of Custody

ARCO Facility no. 5387	City (Facility) Hayward	Project manager (Consultant) Steve Meeks	Laboratory name Columbia
ARCO engineer Paul Supple	Telephone no. (ARCO) (925) 299-8891	Telephone no. (Consultant) (916) 536-2613	Fax no. (Consultant) (916) 638-8385
Consultant name Delta Env. Consultants, Inc.	Address (Consultant) 3164 Gold Camp Drive, Suite 200 Rancho Cordova, Ca		Contract number

Method of shipment: ~~Laboratory~~ ~~Courier~~ UPS

Sample I.D.	Lab no.	Container no.	Matrix: Soil	Water	Other	Preservation: Ice	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/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals ☐ Semi VOA ☐ VOA ☐	CAM Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead EPA 7420/7421 ☐		
HA-1-3'	(1)	1	X			X		6/13/00	0835		X											
HA-1-6'	(2)	1	X			X		〃	0855		X											
HA-1-9'	(3)	1	X			X		〃	0920		X											
HA-1-12.5'	(4)	1	X			X		6/13/00	1000		X											
			X			X																

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number: R2

Turnaround time: 6/29/0

Priority Rush 1 Business Day ☐

Rush 2 Business Days ☐

Expedited 5 Business Days ☐

Standard 10 Business Days ☒

Condition of sample:

Temperature received:

	Date	Time		Date	Time
Relinquished by sampler	6/14/00	1400	Received by		
Relinquished by			Received by		
Relinquished by			Received by laboratory		

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

Dillard Trucking, Inc. dba

Dillard Environmental Services

P.O. Box 579 - Byron, CA 94514
Phone (925) 634-6850 -- Fax (925) 634-0569
EPA #CAD981692809 - D.T.S.C. #1715 - CA LIC #624665-A HAZ

July 31, 2000

Mr. Steve Meeks
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Ste. 200
Rancho Cordova, CA 95670

RE: **ARCO #05387**
20200 Hesperian Blvd.
Hayward, CA

Dear Mr. Meeks:

Please be advised that the petroleum hydrocarbon contaminated soils from the referenced site has been removed. The 1 drum of material was transported for disposal to Republic-Vasco Landfill in Livermore, CA on July 7, 2000.

Should you have any questions, please do not hesitate to call.

Sincerely,

Dillard Trucking, Inc. dba,
DILLARD ENVIRONMENTAL SERVICES

Lynette Smith
Customer Service Representative

/Enclosure

Republic Services
Vasco Road Landfill

WASTE APPROVAL FORM/NON-HAZARDOUS WASTE MANIFEST

WASTE STREAM INFORMATION

Date	Friday, June 30, 2000		
Generator	Arco #05387		
Generator Location	20200 Hesperan Blvd	Hayward	CA
SWIC Number	02619		
Bill To	Dillard-Arco		
Approval Date	06/30/2000		
Expiration Date	06/30/2001		
Waste Description	Soil		
Management	Direct Burial		

The above is a recommendation of the Vasco Road Landfill. It must be understood that management of the waste for disposal must be in compliance with the facility's permit and applicable federal, state and local regulations. The approval is based upon a review of the information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical composition and physical properties to that as defined above.

AT THE REQUEST OF ARCO PRODUCTS CO.

A MINIMUM OF ONE SIGNED AND COMPLETED COPY OF THIS FORM MUST ACCOMPANY EACH LOAD. ONE COPY WILL BE RETAINED BY THE VASCO ROAD LANDFILL.

Generator Signature — Date: 7/6/00

TRANSPORTER INFORMATION

DTI Job # 1007/188
PO # 09-30471

Transporter to complete this section

Transporter Name	DILLARD ENVIRONMENTAL SERVICES
Transporter Address	P.O. Box 579
Transporter City, State, Zip	BYRON, CA 94514
Transporter Phone Number	(925) 634-6850
Driver Name	FRANK STANICH
Truck Number	TK60
Vehicle License Number/State	4P09499

Driver Signature — Date: 7-8-00

DESTINATION INFORMATION

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature of Vasco Road Landfill employee — Date: 7-7-00

4001 North Vasco Road, Livermore - Phone: 925-447-0491 - Fax: 925-447-3086 or 925-447-0499

Dillard

REPUBLIC SERVICES VASCO ROAD, LLC
4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No:0034369

TICKET: 43975
CUSTOMER: DILL ARC / DILLARD TRUCKING / ARC
TRUCK: 1 P.O.:
ACCT#: 5006661
PROFILE #: 02619

DATE: 07/07/2008
TIME: 13:34 - 13:34

GENERATOR: AR 05387 / ARCO 05387
ORIGIN: 0005 / HAYWARD
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE		AMOUNT
CONTSOILU / CONTAMINATED SOIL DRUMS	1.00	U	50.00	$	50.00

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

Total: $ 50.00

Weighmaster:

DRIVER

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.