

LETTER OF TRANSMITTAL

February 10, 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 Stations 276

Enclosed you will find one copy of the Soil Sampling Report for the line/dispenser upgrade work performed at Arco Station 276 in Oakland, CA. Due to a clerical error the previous report was submitted without our letter head, please discard the previous report submitted on 2/7/03. Should you have any questions regarding this report please call me at 408-297-9585.

Regards,

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

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Alameda County

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Environmental Health

LETTER OF TRANSMITTAL

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February 7, 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 Stations 276

94605

Enclosed you will find one copy of the Soil Sampling Report for the line/dispenser upgrade work performed at Arco Stations 276 in Oakland, CA. Should you have any questions regarding this report please call me at 408-297-9585.

Regards,

Cc: Scott Robinson, URS Paul Supple, BP

Hernan Gomez, OFD

URS

20-2565

January 21, 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. 276 10600 MacArthur Boulevard Oakland, California URS Project No. 38485980

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 10600 MacArthur Boulevard, Oakland, California (Figures 1 and 2). Currently, the site is operated as an ARCO gasoline service station. The site is bound by 106th Avenue to the north, MacArthur Boulevard to the east, and commercial buildings to the south and west. The majority of the property is concrete and asphalt paved.

Current site structures include four double-walled fiberglass gasoline underground storage tanks (USTs), three pump islands with eight dispensers, and a convenience store. Currently only quarterly groundwater monitoring is conducted at this site.

Soil Sampling - Dispensers and Line Sampling

During line upgrade and removal activities on September 26, 2002, all dispensers and related double walled fiberglass piping was removed by the contractor, KE Curtis Construction. Prior to collecting soil samples, all sampling locations were reviewed, marked in the field, and approved by Mr. Hernan Gomez with the City of Oakland Fire Department, Hazardous Materials. URS 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 or 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, or odors were detected.

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

Mr. Hernan E. Gomez January 21, 2003 Page 2

URS

Measurable PID readings were recorded at all the sampling locations. Sampling location S1 showed higher than average PID readings at 350 parts per million (ppm). Consequently, URS personnel instructed the contractor to over-excavate to approximately 6 feet below ground surface (bgs) and an additional soil sample was collected (Sump1A).

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:

- Eight soil samples (designated S1 through S8) were collected at an approximate depth of 3 feet bgs at the former dispenser locations. Over-excavation sample Sump1A, was collected at 6 feet bgs (Figure 2).
- Eight soil samples (designated L1 through L8) were collected at an approximate depth of 3 feet bgs in the former product line trenches (Figure 2).

Samples were submitted to a California State Certified laboratory, Sequoia Analytical Laboratory in Morgan Hill, California for analysis. Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B, and for benzene, toluene, ethylbenzene, total xylenes (BTEX), and for methyl tert-butyl ether (MTBE) by EPA Method 8260B.

All soil samples reported non-detect (ND) concentrations for TPHg with the exception of sampling locations L2 (0.51 ppm), S2 (4.3 ppm) and S5 (14 ppm). Samples S3, S5 and S7 reported total xylene concentrations at 5.8 ppm, 3.1 ppm, and 4.3 ppm, respectively. All other sampling locations reported ND concentrations for BTEX. MTBE concentrations were reported at all sampling locations, except for L5, L7, L8, S3 and S7. MTBE concentrations ranged from 0.29 ppm to 160 ppm (Table 1).

Over-excavation soil sample Sump1A was collected on September 27, 2002 and analyzed for TPHg and BTEX constituents, which resulted in ND levels for all constituents.

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. Four soil samples were collected from the stockpiled soil on site and composited into one soil sample labeled Pile (A-D). Analytical results reported ND levels for TPHg and BTEX constituents. Analytical results for metals indicated concentrations commonly found in soils of the region (Table 2).

URS

On October 5, 7 and 17, 2002, Dillard Environmental removed approximately 210 tons of soil and transported it to the Altamont Landfill, a Class II landfill located in Livermore, California.

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:

- Except for sampling location Sump1A, no over-excavation was performed at this site since
 no obviously stained soil or unusually high PID readings were encountered in the field.
 Subsequent soil sample analytical results for the over-excavated area and those not overexcavated supported the decision not to further 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.
- Due to MTBE contaminant concentration levels reported for the various soil samples, an Unauthorized Release Report was issued for this site on January 21, 2003.

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

URS

Mr. Hernan E. Gomez January 21, 2003 Page 4

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

Mr. Barney Chan, Alameda County Health Care Services Agency

Project and Chron files

Soil Analytical Data ARCO Service Station 276 10600 MacArthur Boulevard

Oakland, California

TABLE 1

Soil Sample ID	Sample Depth (feet)	Date Sampled	TPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Xylenes (ppm)	MTBE (ppm)
S1	3	9/26/02	ND<0.5	ND<1.6	ND<1.6	ND<1.6	ND<1.6	8.9
S2	3	9/26/02	4.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	0.29
S3	3	9/26/02	ND<0.5	ND<2.3	ND<2.3	ND<2.3	5.8	ND<0.025
S4	3	9/26/02	ND<0.5	ND<1.8	ND<1.8	ND<1.8	ND<1.8	45
S5	3	9/26/02	14	ND<0.1	ND<0.1	ND<0.1	3.1	1.10
S6	3	9/26/02	ND<0.5	ND<1.4	ND<1.4	ND<1.4	ND<1.4	7.10
S7	3	9/26/02	ND<0.5	ND<2.4	ND<2.4	ND<2.4	4.3	ND<0.025
S8	3	9/26/02	ND<0.5	ND<1.9	ND<1.9	ND<1.9	ND<1.9	3
L1	3	9/26/02	ND<0.5	ND<0.1	ND<0.1	ND<0.1	ND<0.1	1.9
L2	3	9/26/02	0.51	ND<0.1	ND<0.1	ND<0.1	ND<0.1	2.4
L3	3	9/26/02	ND<0.5	ND<2.2	ND<2.2	ND<2.2	ND<2.2	22
L4	3	9/26/02	ND<0.5	ND<1.7	ND<1.7	ND<1.7	ND<1.7	160
L5	3	9/26/02	ND<0.5	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<0.025
L6	3	9/26/02	ND<0.5	ND<3.8	ND<3.8	ND<3.8	ND<3.8	160
L7	3	9/26/02	ND<0.5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.025
L8	3	9/26/02	ND<0.5	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<0.025

TABLE 2

Soil Sample ID	Sample Depth (feet)		TPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Xylenes (ppm)	Total Pb (ppm)
Pile A-D		9/27/02	ND<0.5	ND<0.005	ND<0.005	ND<0.005	ND<0.01	8.9
Sump 1A	6	9/27/02	ND<0.5	ND<0.005	ND<0.005	ND<0.005	ND<0.01	

TPH

= Total purgeable petroleum hydrocarbons using EPA Method 8015, modified.

BTEX

= Benzene, toluene, ethylbenzene, total xylenes using EPA Method 8021B.

MTBE

= Methyl Tertiary Butyl Ether.

ppb

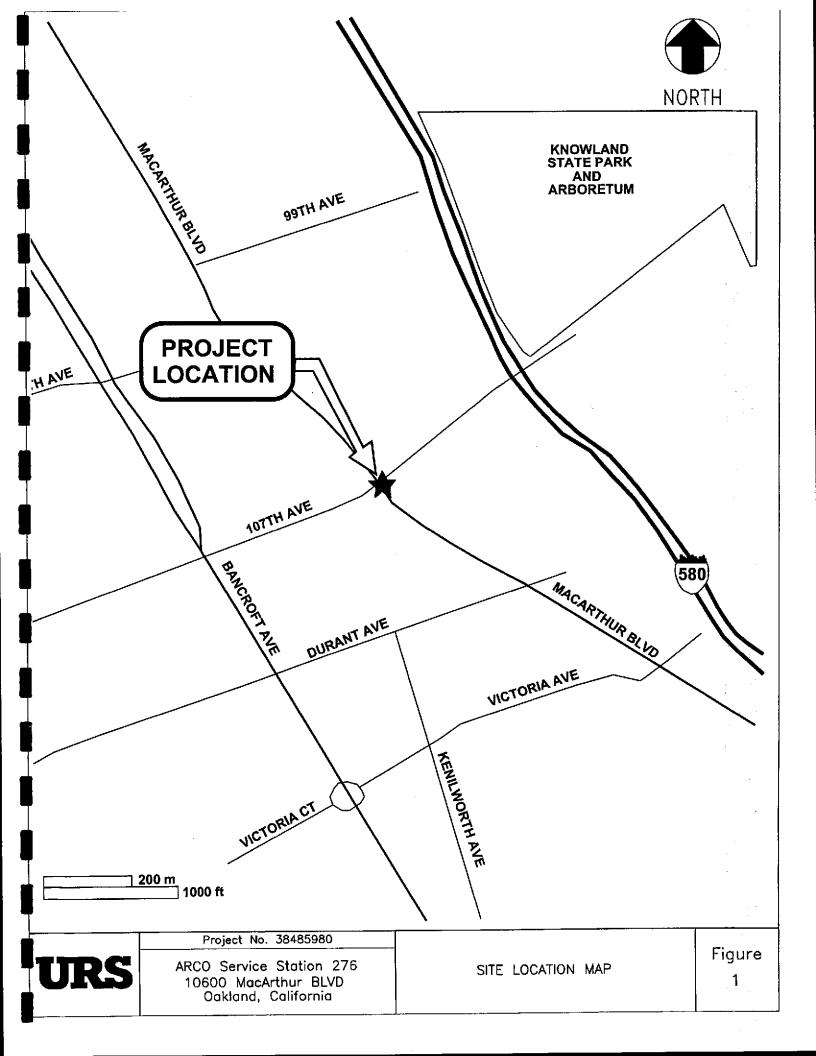
= Parts per billion.

ppm

= Parts per million.

ND<

= Less than stated laboratory detection limit.

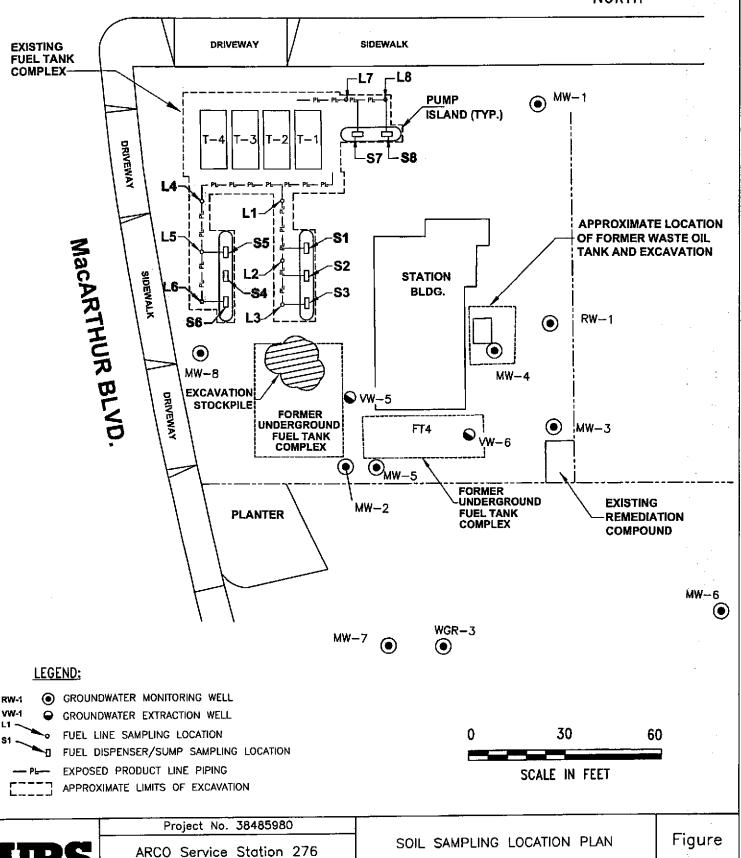


106TH AVENUE



2

SEPTEMBER 26, 2002



10600 MacArthur Boulevard 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) by EPA Methods 8015B. For benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MTBE), and metals including total Pb by EPA Methods 8260B and 6000/7000, respectively.

ATTACHMENT B

LABORATORY ANALYTICAL LABORATORY REPORTS AND CHAIN-OF-CUSTOBY DOCUMENTATION





28 October, 2002

Scott Robinson URS Corporation 500 12th Street, Suite 100 Oakland, CA 94607

RE: ARCO #276, Oakland, CA Sequoia Report: MLI0761

Enclosed are the results of analyses for samples received by the laboratory on 09/26/02 20:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sporya K. Palt

Latonya Pelt Project Manager

CA ELAP Certificate #1210



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Reported: 10/28/02 09:30

ANALYTICAL REPORT FOR SAMPLES

Project Manager: Scott Robinson

Sample 1D	Laboratory ID	Matrix	Date Sampled	Date Received
Li	MLI0761-01	Soil	09/26/02 08:38	09/26/02 20:40
L2	MLI0761-02	Soil	09/26/02 08:45	09/26/02 20:40
L3	MLI0761-03	Soil	09/26/02 10:05	09/26/02 20:40
L4	MLI0761-04	Soil	09/26/02 09:20	09/26/02 20:40
L5	MLI0761-05	Soil	09/26/02 09:40	09/26/02 20:40
L6	MLI0761-06	Soil	09/26/02 10:00	09/26/02 20:40
L7	MLI0761-07	Soil	09/26/02 10:25	09/26/02 20:40
L8	MLI0761-08	Soil	09/26/02 10:50	09/26/02 20:40
S1	MLI0761-09	Soil	09/26/02 08:50	09/26/02 20:40
S2	MLI0761-10	Soil	09/26/02 08:55	09/26/02 20:40
83	MLI0761-11	Soil	09/26/02 09:02	09/26/02 20:40
S4	MLI0761-12	Soil	09/26/02 09:28	09/26/02 20:40
SS	MLI0761-13	Soil	09/26/02 09:50	09/26/02 20:40
S6	MLI0761-14	Soil	09/26/02 10:10	09/26/02 20:40
S7	MLI0761-15	Soil	09/26/02 10:38	09/26/02 20:40
S8	MLI0761-16	Soil	09/26/02 10:45	09/26/02 20:40

Sequoia Analytical - Morgan Hill

Optonya K. Pult

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Reported: 10/28/02 09:30

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified

Project Manager: Scott Robinson

Sequoia Analytical - Morgan Hill

	1							
Result	Reporting Limit	Units I	Dilution	Batch	Prepared	Analyzed	Method	Notes
2 08:38 Rec	eived: 09/26/0	02 20:40						·
ND	0.50	mg/kg	1	2J03001	10/03/02	10/03/02	8015Bm	
	78.5 %	60-140)	"	17	"	n	
	74.5 %	60-140)	"	rr	"	n	
2 08:45 Rec	eived: 09/26/0	2 20:40						
0.51	0.50	mg/kg	1	2J03001	10/03/02	10/03/02	8015Bm	HC-12
	93.0 %	60-140)	#	"	"	#	-
	85.0 %	60-140)	**	rt	"	"	
2 10:05 Rec	elved: 09/26/0	20:40						
ND	0.50	mg/kg	. 1	2J03001	10/03/02	10/03/02	8015Bm	
	92.0 %	60-140)	"	*	"	H	
	92.0 %	60-140)	"	"	"	n	
2 09:20 Rec	eived: 09/26/	02 20:40						
ND	0.50	mg/kg	1	2J03001	10/03/02	10/03/02	8015Bm	
	92.0 %	60-140)	p	*	,,	"	
	106 %	60-140)	11	H	n	"	
2 09;40 Rec	eived: 09/26/	02 20:40						
ND	0.50	mg/kg	1	2J03001	10/03/02	10/03/02	8015Bm	
	102 %	60-140)	n	*	"	ıı	
	107 %	60-140)	n	#	n	H	
2 10:00 Rec	eived: 09/26/	02 20:40						<u> </u>
ND_	0.50	m g/kg	1	2J03001	10/03/02	10/03/02	8015Bm	
	104 %	60-140)	#	,,	"	н	•
	94.5 %	60-140)	er	#	#	н	
	Result 2 08:38 Rec	Result Limit 2 08:38 Received: 09/26/0 ND 0.50 78.5 % 74.5 % 2 08:45 Received: 09/26/0 0.51 0.50 93.0 % 85.0 % 2 10:05 Received: 09/26/0 ND 0.50 92.0 % 92.0 % 92.0 % 106 % 2 09:40 Received: 09/26/0 ND 0.50 102 % 107 % 2 10:00 Received: 09/26/0 ND 0.50 102 % 107 % 2 10:00 Received: 09/26/0 ND 0.50	Reporting Result Limit Units E 2 08:38 Received: 09/26/02 20:40 ND 0.50 mg/kg 78.5 % 60-140 74.5 % 60-140 2 08:45 Received: 09/26/02 20:40 0.51 0.50 mg/kg 93.0 % 60-140 85.0 % 60-140 85.0 % 60-140 2 10:05 Received: 09/26/02 20:40 ND 0.50 mg/kg 92.0 % 60-140 92.0 % 60-140 2 09:20 Received: 09/26/02 20:40 ND 0.50 mg/kg 92.0 % 60-140 106 % 60-140 106 % 60-140 106 % 60-140 107 % 60-140	Result Limit Units Dilution	Result Limit Units Dilution Batch	Result Limit Units Dilution Batch Prepared	Result Limit Units Dilution Batch Prepared Analyzed	Result Limit Units Dilution Batch Prepared Analyzed Method



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified Sequoia Analytical - Morgan Hill

		1							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L7 (MLI0761-07) Soil Sampled: 09/26/	02 10:25 Rec	eived: 09/26/	02 20:40					·	
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J03001	10/03/02	10/03/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		92.0 %	60-14	0	"	17	ır	11	
Surrogate: 4-Bromofluorobenzene		104 %	60-14	0	"	11	n	Ħ	•
L8 (MLI0761-08) Soil Sampled: 09/26/	02 10:50 Rec	eived: 09/26/	02 20:40					<u> </u>	
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J03001	10/03/02	10/03/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		91.0 %	60-14	0	"	tt	"	н	
Surrogate: 4-Bromosluorobenzene		100 %	60-14	0	"	tt	"	n	
S1 (MLI0761-09) Soil Sampled: 09/26/	02 08:50 Rec	eived: 09/26/	02 20:40						
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J09001	10/09/02	10/09/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		83.5 %	60-14	0	"	"	п	u	
Surrogate: 4-Bromofluorobenzene		89.5 %	60-14	0	"	"	n		
S2 (MLI0761-10) Soil Sampled: 09/26/	02 08:55 Rec	eived: 09/26/	02 20:40						
Gasoline Range Organics (C6-C10)	4.3	1.0	mg/kg	1	2J16040	10/16/02	10/16/02	8015Bm	HC-12,HT-0
Surrogate: a,a,a-Trifluorotoluene		85.0 %	64-14	5	"	**	п	. "	HT-03
Surrogate: 4-Bromofluorobenzene		101 %	41-17	3	"	11	"	· · · ·	HT-03
S3 (MLI0761-11) Soil Sampled: 09/26/	02 09:02 Rec	eived: 09/26/	02 20:40					1,	
Gasoline Range Organics (C6-C10)	ND_	0.50	mg/kg	1	2J09001	10/09/02	10/09/02	8015Bm	
Surrogate: a.a.a-Trifluorotoluene		81.0 %	60-14	0	"	"	u	*	
Surrogate: 4-Bromofluorobenzene		83.5 %	60-14	0	"	H	н	*	
S4 (MLI0761-12) Soil Sampled: 09/26/	02 09:28 Rec	eived: 09/26/	02 20:40						· .
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	l	2J09001	10/09/02	10/09/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		87.5 %	60-14	0	,,	"	п	"	
Surrogate: 4-Bromofluorobenzene		108 %	60-14	0	"	п	n	"	



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S5 (MLI0761-13) Soil Sampled: 09/26/02	09:50 Rec	eived: 09/26/	02 20:40	_					
Gasoline Range Organics (C6-C10)	14	5.0	mg/kg	5	2J16040	10/16/02	10/16/02	8015Bm	HC-12,HT-0
Surrogate: a,a,a-Trifluorotoluene		79.0 %	64-14	15	"	,,	,,	п	HT-03
Surrogate: 4-Bromofluorobenzene		121 %	41-17	73	"	Ħ	n	n	HT-03
S6 (MLI0761-14) Soil Sampled: 09/26/02	10:10 Rec	eived: 09/26/	02 20:40			*****			
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J09001	10/09/02	10/09/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		85.0 %	60-14	10	W	H	"	n	
Surrogate: 4-Bromofluorobenzene		92.0 %	60-14	10	"	"	u	и	
S7 (MLI0761-15) Soil Sampled: 09/26/02	10:38 Rec	eived: 09/26/	02 20:40						
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J09001	10/09/02	10/09/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		82.0 %	60-14	10		,,	H	#	* .
Surrogate: 4-Bromofluorobenzene		102 %	60-14	10	,,	*	*	H	
S8 (MLI0761-16) Soil Sampled: 09/26/02	10:45 Rec	eived: 09/26/	02 20:40						
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J09001	10/09/02	10/09/02	8015Bm	
Surrogate: a,a,a-Trifluorotoluene		78.0 %	60-14	10	"	,,	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	60-14	10	"	"	"	*	



URS Corporation 500 12th Street, Suite 100

Oakland CA, 94607

Project: ARCO #276, Oakland, CA
Project Number: ARCO #276, Oakland, CA
Project Manager: Scott Robinson

Reported: 10/28/02 09:30

MTBE by EPA Method 8260B Sequoia Analytical - Morgan Hill

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L1 (MLI0761-01) Soil Sampled: 09/26	/02 08:38 Rece	ived: 09/26/(20:40						:
Methyl tert-butyl ether	1.9	0.050	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		111 %	60-	140	"	"	#	n	
L2 (MLI0761-02) Soil Sampled: 09/26	/02 08:45 Rece	ived: 09/26/0	20:40						
Methyl tert-butyl ether	2.4	0.050	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		111 %	60-	140	#	"	"	п	-
L3 (MLI0761-03) Soil Sampled: 09/26	/02 10:05 Rece	ived: 09/26/0	2 20:40						
Methyl tert-butyl ether	22	2.2	ug/kg	4.5	2J03027	10/03/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		88.0 %	60-	140	u	"	"	"	
L4 (MLI0761-04) Soil Sampled: 09/26	/02 09:20 Rece	ived: 09/26/0	20:40						
Methyl tert-butyl ether	160	1.7	ug/kg	39999427	2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		114 %	60	140	**	*	H	"	
L5 (MLI0761-05) Soil Sampled: 09/26	/02 09:40 Rece	ived: 09/26/0	20:40						
Methyl tert-butyl ether	ND	1.8	ug/kg	99998855	: 2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		111%	60-	140	"		п	n	-
L6 (MLI0761-06) Soil Sampled: 09/26	/02 10:00 Rece	ived: 09/26/(20:40						
Methyl tert-butyl ether	160	3.8	ug/kg	99999237	2J03027	10/03/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	60	140	,,	"	tt .	"	
L7 (ML10761-07) Soil Sampled: 09/26	/02 10:25 Rece	ived: 09/26/0	20:40						
Methyl tert-butyl ether	ND	2.0	ug/kg	4	2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		115 %	60	140	"	n	11	rt	1



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Reported: 10/28/02 09:30

Project Manager: Scott Robinson

MTBE by EPA Method 8260B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L8 (MLI0761-08) Soil Sampled: 09/26	5/02 10:50 Recei	ived: 09/26/0	02 20:40				·		·
Methyl tert-butyl ether	ND	1.6	ug/kg	99999618	B: 2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		111 %	60-	140	rr	"	"	и	
S1 (MLI0761-09) Soil Sampled: 09/26	5/02 08:50 Rece	ved: 09/26/	02 20:40					·	
Methyl tert-butyl ether	8.9	1.6	ug/kg	30001144	4-2130012	09/29/02	09/30/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		107 %	60-	140	rr	"	r	,,	
S2 (ML10761-10) Soil Sampled: 09/26	5/02 08:55 Recei	ved: 09/26/	02 20:40						
Methyl tert-butyl ether	0.29	0.050	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		113 %	60-	140	"	tt	u	u	
S3 (MLI0761-11) Soil Sampled: 09/26	5/02 09:02 Recei	ved: 09/26/	02 20:40						
Methyl tert-butyl ether	ND	2.3	ug/kg	00001144	4- 2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-	140	11	. n	п	"	
S4 (MLI0761-12) Soil Sampled: 09/26	5/02 09:28 Rece	ved: 09/26/	02 20:40						
Methyl tert-butyl ether	45	1.8	ug/kg	3.5	2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	·	107 %	60-	140	п	ti	#	н	
S5 (ML10761-13) Soil Sampled: 09/26	5/02 09:50 Recei	ived: 09/26/	02 20:40					<u>.</u>	
Methyl tert-butyl ether	1.1	0.050	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		109 %	60-	140	п	"	*	"	
S6 (MLJ0761-14) Soil Sampled: 09/26	5/02 10:10 Rece	ived: 09/26/	02 20:40						<u> </u>
Methyl tert-butyl ether	7.1	1.4	ug/kg)0000190	o ⁻ 2J03027	10/03/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	60-	140	ır	#	u	22	



URS Corporation 500 12th Street, Suite 100

Oakland CA, 94607

Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported:

10/28/02 09:30

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S7 (MLI0761-15) Soil Sampled: 09/2	6/02 10:38 Rece	ived: 09/26/	32 20:40						
Methyl tert-butyl ether	ND _	2.4	ug/kg	99999046	2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		104 %	60-	140	"	n	"	u .	
S8 (MLI0761-16) Soil Sampled: 09/2	6/02 10:45 Rece	ived: 09/26/	02 20:40						
Methyl tert-butyl ether	3.0	1.9	ug/kg	39999904	2J02026	10/02/02	10/03/02	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.6%	60-	140	"	n	"	u	



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Reported: 10/28/02 09:30

Project Manager: Scott Robinson

BTEX by EPA Method 8260B Sequoia Analytical - Morgan Hill

		7	, <i>j</i>	1,2018.				.	
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L1 (MLI0761-01) Soil Sampled: 09/26	/02 08:38 Rec	eived: 09/26/0	02 20:40						
Benzene	ND	0.10	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Toluene	ND	0.10	"	H		10	**	11	
Ethylbenzene	ND	0.10	n	H	**	**		11	
Total Xylenes	ND	0.10	n	u u	**	17	и	11	
Surrogate: 1,2-Dichloroethane-d4	·	111 %	60-	140	"	"	17	H	
L2 (MLI0761-02) Soil Sampled: 09/26	6/02 08:45 Rece	eived: 09/26/0	02 20:40						
Benzene	ND	0.10	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Toluene	ND	0.10	**	H	11	"	"	#	
Ethylbenzene	ND	0.10	H	Ħ		"	**	#	: .
Total Xylenes	ND	0.10	H	n	ti	**	*		
Surrogate: 1,2-Dichloroethane-d4		111%	60-	140	"	17	tr.	#	
S2 (MLI0761-10) Soil Sampled: 09/26	/02 08:55 Rec	eived: 09/26/	02 20:40						
Benzene	ND	0.10	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	4
Toluene	ND	0.10	"	н	**	н	н	11	
Ethylbenzene	ND	0.10	"	H	**	**	н	11	
Total Xylenes	0.42	0.10	**	Ħ	••	tt	н	н	
Surrogate: 1,2-Dichloroethane-d4		113 %	60-	140	rt	#	н	"	
S5 (MLI0761-13) Soil Sampled: 09/26	6/02 09:50 Rec	eived: 09/26/	02 20:40						
Benzene	ND	0.10	mg/kg	2	2J09025	10/08/02	10/10/02	EPA 8260B	
Toluene	ND	0.10	"	10	,,	Ħ	н	п	
Ethylbenzene	ND	0.10	n	н	"	H	н	IJ	
Total Xylenes	3.1	0.10	**	U .	u	IF.	п	#	
Surrogate: 1,2-Dichloroethane-d4		109 %	60-	140	#	и	"	#	



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA
Project Number: ARCO #276, Oakland, CA
Project Manager: Scott Robinson

Reported: 10/28/02 09:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

	Se	quoia Ana	пунсаг	- ivtorga	iu um	 			·
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
L3 (MLI0761-03) Soil Sampled: 09/26	/02 10:05 Rec	eived: 09/26/0	02 20:40						
Benzene	ND	2.2	u g/kg	4.5	2J03027	10/03/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	2.2	п	r	••	н	**	t y	
Toluene	ND	2.2	п	н	u	II	19	19	
Total Xylenes	ND	2.2	п	n		"	**	18	
Surrogate: Dibromofluoromethane		91.2 %	60	-140	#	и	"	н	
Surrogate: 1,2-Dichloroethane-d4		88.0 %	60	-140	n	μ	Tr.	"	
Surrogate: Toluene-d8		84.4 %	60	-140	"		"	"	
Surrogate: 4-Bromofluorobenzene		104 %	60-	-140	Ħ	"	n	n	
L4 (MLI0761-04) Soil Sampled: 09/26	/02 09:20 Rec	eived: 09/26/0	20:40						· ···
Benzene	ND	1.7	ug/kg	99999427	" 2J02026	10/02/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	1.7	"	н	rt	"	II	II .	_
Toluene	ND	1.7	11	н	н	"	н	"	
Total Xylenes	ND	1.7		#	и	14	11	u .	
Surrogate: Dibromofluoromethane		110 %	60-	-140	u	"	"	n	
Surrogate: 1,2-Dichloroethane-d4		114 %	60	-140	"	#	"	"	
Surrogate: Toluene-d8		86.4 %	60	-140	v	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	60-	-140	"	"	"	•	
L5 (MLI0761-05) Soil Sampled: 09/26	/02 09:40 Rec	eived: 09/26/0	20:40						
Benzene	ND	1,8	ug/kg	99998855	; 2J02026	10/02/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	1.8	n	**	19	11	n		•
Toluene	ND	1.8	•	11	*1		**	н	
Total Xylenes	ND	1.8	11	"	11	**	"	11	
Surrogate: Dibromofluoromethane		110 %	60-	-140	,,	Ħ	<i>n</i>	"	
Surrogate: 1,2-Dichloroethane-d4		111 %	60	-140	"	n	"	"	
Surrogate: Toluene-d8		89.0 %	60	-140	"	r#	"	п	
Surrogate: 4-Bromofluorobenzene		88.8 %	60-	-140	"	*	"	п	



URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L6 (MLI0761-06) Soil Sampled: 09/26	6/02 10:00 Rec	eived: 09/26/(20:40					-	
Benzene	ND	3.8	ug/kg	39999237	12J03027	10/03/02	10/03/02	EPA 8260B	* .*
Ethylbenzene	ND	3.8	н	**	11	u	н	и	, .
Toluene	ИD	3.8	п	"	n n	"	II		
Total Xylenes	ND	3.8	н			"	H	17	
Surrogate: Dibromofluoromethane		93.6 %	60	-140	п	,,	a	"	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	60	-140	,,	"	p	"	
Surrogate: Toluene-d8		83.0 %	60	-140	u	#	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	60	-140	H	#	u	**	
L7 (MLI0761-07) Soil Sampled: 09/26	5/02 10:25 Rec	eived: 09/26/(20:40						
Benzene	ND	2.0	ug/kg	4	2J02026	10/02/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	2.0	11	**	h	11	11		:
Toluene	ND	2.0	н		11	11	41	4	
Total Xylenes	ND	2.0	н		п	11	**	*	
Surrogate: Dibromofluoromethane		112 %	60	-140	u	,,	"	tř	
Surrogate: 1,2-Dichloroethane-d4		115 %	60	-140	"	*	"	"	
Surrogate: Toluene-d8		90.6 %	60	-140	n	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %	60	-140	n	"	u	n	
L8 (MLI0761-08) Soil Sampled: 09/26	i/02 10:50 Rec	eived: 09/26/0	<u>)2 20:40</u>						
Веплепе	ND	1.6	ug/kg	39999618	2.102026	10/02/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	1.6	n	11	н	n	10	"	
Toluene	ND	1.6	п	"	н	**	17	11	
Total Xylenes	ND	1.6	и	"	11	**	n	**	
Surrogaie: Dibromofluoromethane		62.0 %	60	-140	н	n	"	H	
Surrogate: 1,2-Dichloroethane-d4		111 %	60	-140	H	"	"	ø	
Surrogate: Toluene-d8		84.8 %	60	-140	"	"	"		
Surrogate: 4-Bromofluorobenzene		95.4 %	60	-140	"	"	"	"	



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Sampled: 09/26/02 08:50 Received: 09/26/02 20:40	.	-							
Benzene	Analyzed	epared	epared	Prepared	Ргерагес	Prepared A	Analyzed	Method	Notes
Ethylbenzene								··	
Total Xylenes	09/30/02	/29/02	29/02	9/29/02	09/29/02	9/29/02 09	09/30/02	EPA 8260B	* :
Total Xylenes	11					n	11	n	
Surrogate: Dibromofluoromethane	**	••	"	"	"	"	**	**	
Surrogate: Diomofilioromenane 101 % 60-140 " " Surrogate: Toluene-d8 89.8 % 60-140 " " Surrogate: 4-Bromofluorobenzene 101 % 60-140 " " S3 (MLI0761-11) Soil Sampled: 09/26/02 09:02 Received: 09/26/02 20:40 ND 2.3 ug/kg 30001144-2102026 10/02/02 10 Ethylbenzene ND 2.3 " " " " " Toluene ND 2.3 " " " " " Total Xylenes 5.8 2.3 " <t< td=""><td>ā</td><td>н</td><td>н</td><td>н</td><td>н</td><td>н</td><td>q</td><td>и</td><td></td></t<>	ā	н	н	н	н	н	q	и	
Surrogate: 1,2-Dichloroethane-d4 89.8 % 60-140 " " Surrogate: 4-Bromofluorobenzene 101 % 60-140 " " Sa (MLI0761-11) Soil Sampled: 09/26/02 09:02 Received: 09/26/02 20:40 Benzene ND 2.3 ug/kg 00001144 2102026 10/02/02 10 Ethylbenzene ND 2.3 " " " " " Toluene ND 2.3 " " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " Surrogate: Dibromofluoromethane-d4 103 % 60-140 " " Surrogate: T-Diuene-d8 88.6 % 60-140 " " Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " Surrogate: 4-Bromofluorobenzene ND 1.8 ug/kg 3.5 2102026 10/02/02 10 Ethylbenzene ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Surrogate: Dibromofluoromethane ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Total Xylenes ND 1.8 " " " " " Surrogate: Dibromofluoromethane ND 1.8 " " " " " Total Xylenes ND 1.8 " " " " " " Surrogate: Dibromofluoromethane ND 1.8 " " " " " " Surrogate: Dibromofluoromethane ND 1.8 " " " " " " " Surrogate: Dibromofluoromethane ND 1.8 " " " " " " " " " " " " " " " " " " "	ıı	"	"	"	"	"	n	п	
Surrogate: 101ene-tab Surrogate: 4-Bromofluorobenzene 101 % 60-140 "	n	rr	rr	rr	r	n	"	n	
Sampled: 4-Bromofutorobenzene 101 % 60-140 100	"	"	"	"	"	"	"	"	
Benzene ND 2.3 ug/kg 00001144 2J02026 10/02/02 10 10 10 10 10 10 10	"	"	"	"	*	"	"	n	
Ethylbenzene ND 2.3 " " " " Total Xylenes 5.8 2.3 " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " " Surrogate: Toluene-d8 88.6 % 60-140 " " " Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " " S4 (ML10761-12) Soil Sampled: 09/26/02 09:28 Received: 09/26/02 20:40 Benzene ND 1.8 ug/kg 3.5 2J02026 10/02/02 10 Ethylbenzene ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Surrogate: Dibromofluoromethane ND 1.8 " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " "									
Total Xylenes 5.8 2.3 " " " " " " " " " " " " " " " " " " "	0/03/02	/02/02	02/02	0/02/02	10/02/02	0/02/02 10	10/03/02	EPA 8260B	
Total Xylenes 5.8 2.3 " " " " " " " " " " " " " " " " " " "	**	"	n	n	n	n	**	II .	
Surrogate: Dibromofluoromethane	H	n	"	п	"	n	11	II	
Surrogate: Dioromojituoromentane 106 % 60-140 " " Surrogate: 1,2-Dichloroethane-d8 88.6 % 60-140 " " Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " S4 (MLI0761-12) Soil Sampled: 09/26/02 09:28 Received: 09/26/02 20:40 Benzene ND 1.8 ug/kg 3.5 2J02026 10/02/02 10 Ethylbenzene ND 1.8 " " " " Toluene ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " "	n	H	H	н	H .	H	n	ц	
Surrogate: Toluene-d8 88.6 % 60-140 " " Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " S4 (MLI0761-12) Soil Sampled: 09/26/02 09:28 Received: 09/26/02 20:40 Benzene ND 1.8 ug/kg 3.5 2J02026 10/02/02 10 Ethylbenzene ND 1.8 " " " " Toluene ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " " Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " "	*	"	"	"	ı	"	*	#	
Surrogate: 4-Bromofluorobenzene 95.2 % 60-140 " " S4 (MLI0761-12) Soil Sampled: 09/26/02 09:28 Received: 09/26/02 20:40 Benzene ND 1.8 ug/kg 3.5 2J02026 10/02/02 10 Ethylbenzene ND 1.8 " " " " Toluene ND 1.8 " " " " Total Xylenes ND 1.8 " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " " Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " " "	e	rr	rr	rr	rr	rr	"	n	
S4 (MLI0761-12) Soil Sampled: 09/26/02 09:28 Received: 09/26/02 20:40 Benzene ND 1.8 ug/kg 3.5 2J02026 10/02/02 10 10/02/02 10 Ethylbenzene ND 1.8 " " " " " " Toluene ND 1.8 " " " " " " Total Xylenes ND 1.8 " " " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " 60-140 " " Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " " " "	#	"	"	"	"	"	"	,,	
Benzene ND 1.8 ug/kg 3.5 2J02026 10/02/02 10 10/02/02 10 Ethylbenzene ND 1.8 " " " " " " " " Toluene ND 1.8 " " " " " " " " Total Xylenes ND 1.8 " " " " " " " " Surrogate: Dibromofluoromethane 108 % 60-140 " " " 60-140 " " " Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " " " " "	"	"	"	"	"	"	#	n	
Ethylbenzene ND 1.8 "									
Toluene ND 1.8 " " " Total Xylenes ND 1.8 " " " " " " " " " " " " " " " " " " "	0/03/02	/02/02	02/02	0/02/02	10/02/02	0/02/02 10	10/03/02	EPA 8260B	
Total Xylenes ND 1.8 " " " " " " " " " " " " " " " " " " "	ur .	н	H	**	н	н	H .	**	
Surrogate: Dibromofluoromethane 108 % 60-140 " " Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " "	u	n	n	n	n	n		"	
Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " "			11	11	н	H	. "	"	
Surrogate: 1,2-Dichloroethane-d4 107 % 60-140 " "	"	"	,,	"	**	"	н	o	
Surrogate: Toluene-d8 88.2 % 60-140 " "	•	n	n	n	n	n	•	"	
	m	#	#	#	Ħ	Ħ	m	"	
Surrogate: 4-Bromofluorobenzene 101 % 60-140 " "	н	Ħ	t)	Ħ	Ħ	Ħ	Ħ	**	2



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607

Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Reported: 10/28/02 09:30

Volatile Organic Compounds by EPA Method 8260B

Project Manager: Scott Robinson

Sequoia Analytical - Morgan Hill

	360	quota Ana	lytical	- Mulga	11 11111				•
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S6 (MLI0761-14) Soil Sampled: 09/26	/02 10:10 Rece	ived: 09/26/	20:40						
Benzene	ND	1.4	ug/kg	30000190	2J03027	10/03/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	1.4	М	H	Ħ	Ħ	P	u	
Toluene	ND	1.4	11	11	**	"	Ħ	77	
Total Xylenes	ND	1.4	11	H	**		н	77	
Surrogate: Dibromofluoromethane		91.6%	60-	-140	**	"	μ	"	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	60-	-140	*	,,	n	*	
Surrogate: Toluene-d8		84.0 %	60-	-140	•	17	,,	"	
Surrogate: 4-Bromofluorobenzene		107 %	60-	-140	"	*	n	"	
S7 (MLI0761-15) Soil Sampled: 09/26	/02 10:38 Rece	ived: 09/26/	20:40						
Benzene	ND	2.4	ug/kg	39999046	2J02026	10/02/02	10/03/02	EPA 8260B	
Ethylbenzene	ND	2.4	19	n	u	п	Ħ		
Toluene	ND	2.4	н	н	**	н	11		
Total Xylenes	4.3	2.4	19	IP.		If	11	"	-
Surrogate: Dibromofluoromethane		99.6 %	60-	-140	#	н	n	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Surrogate: 1,2-Dichloroethane-d4		104 %	60-	-140	"	n	"	n	
Surrogate: Toluene-d8		85.0 %	60-	-140	rř	Ħ	#	17	
Surrogate: 4-Bromofluorobenzene		99.8 %	60-	-140	u	Ħ	"	"	
S8 (MLI0761-16) Soil Sampled: 09/26	6/02 10:45 Rece	ived: 09/26/	20:40						
Benzene	ND	1.9	ug/kg	99999904	2J02026	10/02/02	10/03/02	EPA 8260B	5
Ethylbenzene	ND	1.9	Н	п		н	*	II	
Toluene	ND	1.9	н	н	**	II	**	11	
Total Xylenes	ND	1.9	н	п	11	"	*1	11	
Surrogate: Dibromofluoromethane		101 %	60-	-140	"	#	"	si	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	60-	-140	"	"	"	"	
Surrogate: Toluene-d8		86.6 %	60-	-140	n	#	e e	n	
Surrogate: 4-Bromofluorobenzene		104 %	60-	140	rt	H	#	u	



URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Ртојест: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified - Quality Control Sequoia Analytical - Morgan Hill

Analosa	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesun	Lutut	Onits	FEAGI	Kesun	70KEC	Lillitis	KID	Little	IVOICS
Batch 2J03001 - EPA 5030B [P/T]										
Blank (2J03001-BLK1)				Prepared &	& Analyz	ed: 10/03/0	02			
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg							
Surrogate: a,a,a-Trifluorotoluene	0.0209		"	0.0200		104	60-140			
Surrogate: 4-Bromofluorobenzene	0.0191		**	0.0200		95.5	60-140			
LCS (2J03001-BS2)				Prepared &	& Analyz	ed: 10/03/0	02			
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	0.500		97.0	70-130			÷
Surrogate: a,a,a-Trifluorotoluene	0.0221		"	0.0200		110	60-140			
Surrogate: 4-Bromofluorobenzene	0.0250		"	0.0200		125	60-140			
Matrix Spike (2J03001-MS1)	Son	arce: MLI07	61-03	Prepared &	& Analyz					
Gasoline Range Organics (C6-C10)	0.802	0.50	mg/kg	1.10	ND	72.9	60-140			-
Surrogate: a,a,a-Trifluorotoluene	0.0213		"	0.0200		106	60-140			3
Surrogate: 4-Bromofluorobenzene	0.0201		"	0.0200		100	60-140			
Matrix Spike Dup (2J03001-MSD1)	Soi	urce: MLI07	61-03	Prepared &	& Analyz	ed: 10/03/0	02			
Gasoline Range Organics (C6-C10)	0.884	0.50	mg/kg	1.10	ND	80.4	60-140	9.73	25	
Surrogate: a,a,a-Trifluorotoluene	0.0212		"	0.0200	·	106	60-140			
Surrogate: 4-Bromofluorobenzene	0.0220		"	0.0200		110	60-140		•	
Batch 2J09001 - EPA 5030B [P/T]										
Blank (2J09001-BLK1)				Prepared &	& Analyz	ed: 10/09/0	02			,
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg			-				
Surrogate: a,a,a-Trifluorotoluene	0.0145		"	0.0200		72.5	60-140			
Surrogate: 4-Bromofluorobenzene	0.0154		#	0.0200		77. 0	60-140			
LCS (2J09001-BS2)				Prepared &	& Analyz	ed: 10/09/0	02			
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	0.500		86.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	0.0176		"	0.0200		88.0	60-140			
Surrogate: 4-Bromofluorobenzene	0.0216		"	0.0200		108	60-140			



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified - Quality Control Sequoia Analytical - Morgan Hill

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Levei	Result	%REC	Limits	RPD	Limit	Notes .
Batch 2J09001 - EPA 5030B [P/T]										
Matrix Spike (2J09001-MS1)	Sou	rce: MLI07	09-01	Prepared a	& Analyze	d: 10/09/	02			-
Gasoline Range Organics (C6-C10)	0.667	0.50	mg/kg	1.10	ND	60.6	60-140			
Surrogate: a,a,a-Trifluorotoluene	0.0193		"	0.0200		96.5	60-140		<u></u>	,
Surrogate: 4-Bromofluorobenzene	0.0210		"	0.0200		105	60-140			:
Matrix Spike Dup (2J09001-MSD1)	Sou	rce: MLI07	09-01	Prepared &	& Analyze	d: 10/09/	02			
Gasoline Range Organics (C6-C10)	0.613	0.50	mg/kg	1.10	ND	55.7	60-140	8.44	25	QR-02
Surrogate: a,a,a-Trifluorotoluene	0.0190		"	0.0200		95.0	60-140			
Surrogate: 4-Bromofluorobenzene	0.0212		**	0.0200		106	60-140			
Batch 2J16040 - EPA 5030B [P/T]										
Blank (2J16040-BLK1)				Prepared &	& Analyze	d: 10/16/0	02			•
Gasoline Range Organics (C6-C10)	ND	1.0	mg/kg		·					
Surrogate: a,a,a-Trifluorotoluene	0.169		"	0.200		84.5	64-145			•
Surrogate: 4-Bromofluorobenzene	0.121		*	0.200		60.5	41-173			
LCS (2J16040-BS1)				Prepared &	& Analyze	d: 10/16/0	02			
Gasoline Range Organics (C6-C10)	3.61	1.0	mg/kg	5.00		72.2	63-143			
Surrogate: a,a,a-Trifluorotoluene	0.166		"	0.200		83.0	64-145			
Surrogate: 4-Bromofluorobenzene	0.177		#	0.200		88.5	41-173			
LCS Dup (2J16040-BSD1)				Prepared &	& Analyze	:d: 10/16/0	02			
Gasoline Range Organics (C6-C10)	4.04	1.0	mg/kg	5.00		80.8	63-143	11.2	21	
Surrogate: a,a,a-Trifluorotoluene	0.184		"	0.200		92.0	64-145			7
Surrogate: 4-Bromofluorobenzene	0.206		rt	0.200		103	41-173			



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

MTBE by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

	tuoia Am	ay acai	- Morga	4,12, 4,111					
Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
			Prepared	& Analyze	ed: 09/29/	02			
ND	0.50	ug/kg							
4.89		ır	5.00		97.8	60-140			
			Prepared	& Analyze	ed: 09/29/	02			
11.5	0.50	ug/kg	10.0		115	60-140			
5.00		"	5.00		100	60-140		-	
Sou	rce: MLI07	06-01	Prepared	& Analyz	ed: 09/29/	02			
32.6	1.5	ug/kg	29.6	ND	110	70-130			
5.24		"	5.00		105	60-140			
Sou	rce: MLI07	06-01	Prepared	& Analyz	ed: 09/29/	02			
31.7	1.5	ug/kg	29.1	ND	109	70-130	2.80	25	
4.96		"	5.00		99.2	60-140			
					<u> </u>				
			Prepared	& Analyz	ed: 10/02/	02			
ND	0.50	ug/kg							
5.16		"	5.00		103	60-140			
			Prepared	& Analyz	ed: 10/02/	02			
11.8	0.50	ug/kg	10.0		118	60-140			
4.84		"	5.00		96.8	60-140			-
Sou	rce: MLJ00	27-01	Prepared	& Analyz	ed: 10/02/	02		·	
50.3	2.2	ug/kg	44.2	ND	114	70-130			
4.97		"	5.00		99.4	60-140			
	ND 4.89 11.5 5.00 Sou 32.6 5.24 Sou 31.7 4.96 ND 5.16 11.8 4.84 Sou 50.3	Result Limit	Result Limit Units	Result Limit Units Level	Prepared & Analyz	Result Limit Units Level Result %REC	Result Limit Units Spike Source Result %REC Limits	Result Limit Units Spike Source Result %REC Limits RPD	Result Limit Units Spike Source Result %REC Limits RPD Limit



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA
Project Number: ARCO #276, Oakland, CA
Project Manager: Scott Robinson

Reported: 10/28/02 09:30

MTBE 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 2J02026 - EPA 5035										
Matrix Spike Dup (2J02026-MSD1)	So	ource: MLJ00	027-01	Prepared	& Analyzo	ed: 10/02/	02			
Methyl tert-butyl ether	48.3	2.1	ug/kg	42.7	ND	113	70-130	4.06	25	
Surrogate: 1,2-Dichloroethane-d4	5.10		11	5.00		102	60-140			
Batch 2J03027 - EPA 5035										
Blank (2J03027-BLK1)				Prepared	& Analyz	ed: 10/03/	02			
Methyl tert-butyl ether	ND	0.50	ug/kg							-
Surrogate: 1,2-Dichloroethane-d4	4.47		n	5.00		89.4	60-140			
LCS (2J03027-BS1)				Prepared	& Analyze	ed: 10/03/	02			
Methyl tert-butyl ether	10.8	0.50	ug/kg	10.0		108	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.52		"	5.00		90.4	60-140			:
LCS Dup (2J03027-BSD1)				Prepared	& Analyze	ed: 10/03/	02			
Methyl tert-butyl ether	9.93	0.50	ug/kg	10.0		99.3	60-140	8.39	25	
Surrogate: 1,2-Dichloroethane-d4	4.37		"	5.00		87.4	60-140			
Batch 2J09025 - EPA 5030B MeOH									. <u> </u>	
Blank (2J09025-BLK1)				Prepared:	10/08/02	Analyzed	: 10/11/02			
Methyl tert-butyl ether	ND	0.025	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.00497		"	0.00500		99,4	60-140	•		
LCS (2J09025-BS1)				Prepared:	10/08/02	Analyzed	: 10/11/02			
Methyl tert-butyl ether	1.01	0.025	mg/kg	1.00		101	60-140			
Surrogate: 1,2-Dichloroethane-d4	0.00511		"	0.00500		102	60-140			



URS Corporation

Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Spike

Source

Reported: 10/28/02 09:30

RPD

%REC

500 12th Street, Suite 100 Oakland CA, 94607

MTBE by EPA Method 8260B - Quality Control

Project Manager: Scott Robinson

Sequoia Analytical - Morgan Hill

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J09025 - EPA 5030B MeOH										<u></u>
LCS Dup (2J09025-BSD1)				Prepared:	10/08/02	Analyzed	: 10/12/02			: :
Methyl tert-butyl ether	0.942	0.025	mg/kg	1.00		94.2	60-140	6.97	11	
Surrogate: 1,2-Dichloroethane-d4	0.00533		и	0.00500		107	60-140			



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA
Project Number: ARCO #276, Oakland, CA
Project Manager: Scott Robinson

Reported: 10/28/02 09:30

BTEX 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 2J09025 - EPA 5030B MeOH									- ·	
Blank (2J09025-BLK1)				Prepared:	10/08/02	Analyzed	: 10/11/02			
Веплене	ND	0.050	mg/kg				•			
Toluene	ND	0.050	н							
Ethylbenzene	ND	0.050	11							
Total Xylenes	ND	0.050	79							
Surrogate: 1,2-Dichloroethane-d4	0.00497		"	0.00500		99,4	60-140			
LCS (2J09025-BS1)				Prepared:	10/08/02	Analyzed	: 10/11/02			
Benzene	1.21	0.050	mg/kg	1.25		96.8	60-140			
Toluene	1.24	0.050	19	1.25		99.2	60-140			
Surrogate: 1,2-Dichloroethane-d4	0.00511		"	0.00500		102	60-140			
LCS (2J09025-BS2)				Prepared:	10/08/02	Analyzed	: 10/11/02			
Benzene	0.115	0.050	mg/kg				60-140			
Toluene	0.579	0.050	"				60-140			
Surrogate: 1,2-Dichloroethane-d4	0.00483		"	0.00500		96.6	60-140			
LCS Dup (2J09025-BSD1)				Prepared:	10/08/02	Analyzed	10/12/02			
Benzene	1.32	0.050	mg/kg	1.25		106	60-140	8.70	25	
Toluene	1.35	0.050	II	1.25		108	60-140	8.49	25	-
Surrogate: 1,2-Dichloroethane-d4	0.00533		H	0.00500		107	60-140			



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA
Project Number: ARCO #276, Oakland, CA
Project Manager: Scott Robinson

Reported: 10/28/02 09:30

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
	Result	Liiiii	Ollita	revei	Result	70KEC	Limits	KID	Limit	110103
Batch 2I30012 - EPA 5035								·		
Blank (2I30012-BLK1)				Prepared	& Analyze	d: 09/29/	02	·····		
Benzene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	47							
Toluene	ND	0.50	स							
Total Xylenes	ND	0.50	19							•
Surrogate: Dibromofluoromethane	4.79		"	5.00		95.8	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.89		"	5.00		97.8	60-140			
Surrogate: Toluene-d8	4.24		"	5.00		84.8	60-140			
Surrogate: 4-Bromofluorobenzene	5.12		"	5.00		102	60-140			
LCS (2I30012-BS1)				Prepared	& Analyzo	d: 09/29/	02			
Benzene	10.5	0.50	ug/kg	10.0		105	60-140			
Toluene	9.84	0.50	*	10.0		98.4	60-140			
Surrogate: Dibromofluoromethane	5.42		"	5.00		108	60-140			
Surragate: 1,2-Dichloroethane-d4	5.00		"	5.00		100	60-140			1 1
Surrogate: Toluene-d8	4.38		"	5.00		87.6	60-140			
Surrogate: 4-Bromofluorobenzene	5.24		"	5.00		105	60-140			
Matrix Spike (2I30012-MS1)	So	urce: MLI07	06-01	Prepared	& Analyze	ed: 09/29/	02			
Benzene	31.1	1.5	ug/kg	29.6	ND	105	60-140			• .
Toluene	29.3	1.5	"	29.6	ND	99.0	60-140			
Surrogate: Dibromofluoromethane	5.34		"	5.00		107	60-140			
Surrogate: 1,2-Dichloroethane-d4	5.24		"	5.00		105	60-140			
Surrogate: Toluene-d8	4.58		n	5.00		91.6	60-140			
Surrogate: 4-Bromofluorobenzene	5.24		#	5.00		105	60-140			
Matrix Spike Dup (2I30012-MSD1)	So	urce: MLI07	06-01	Prepared	& Analyze	ed: 09/29/0	02			-
Benzene	30.1	1.5	ug/kg	29.1	ND	103	60-140	3.27	25	
Toluene	28.3	1.5	**	29.1	ND	97.3	60-140	3.47	25	
Surrogate: Dibromofluoromethane	5.27		"	5.00		105	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.96		n	5.00		99.2	60-140			
Surrogate: Toluene-d8	4.40		u	5.00		88.0	60-140			
Surrogate: 4-Bromofluorobenzene	5.14		n	5.00		103	60-140			



URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/28/02 09:30

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

	n 1:	Reporting	77.1	Spike	Source	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Notes
Batch 2J02026 - EPA 5035						•				
Blank (2J02026-BLK1)				Prepared	& Analyzo	ed: 10/02/ <u>(</u>	02		 -	
Benzene	ND	0.50	ug/kg							
Ethylbenzene	ND	0.50	U							
Toluene	ND	0.50	u							
Total Xylenes	ND	0.50	**							
Surrogate: Dibromofluoromethane	5.25		"	5.00		105	60-140			
Surrogate: 1,2-Dichloroethane-d4	5.16		"	5.00		103	60-I40			
Surrogate: Toluene-d8	4.29		"	5.00		85.8	60-140			
Surrogate: 4-Bromofluorobenzene	5.17		*	5.00		103	60-140			
LCS (2J02026-BS1)				Prepared	& Analyze	ed: 10/02/0	02			
Benzene	10.6	0.50	ug/kg	10.0		106	60-140			
Toluene	9.21	0.50	и	10.0		92.1	60-140			
Surrogate: Dibromofluoromethane	5.38		"	5.00		108	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.84		H	5.00		96.8	60-140			
Surrogate: Toluene-d8	4.09		*	5.00		81.8	60-140			
Surrogate: 4-Bromofluorobenzene	5.32		n	5.00		106	60-140			
Matrix Spike (2J02026-MS1)	Sc	urce: MLJ00	027-01	Prepared	& Analyz	ed: 10/02/	02		-	
Веплепе	46.3	2.2	ug/kg	44.2	ND	105	60-140			
Toluene	42.0	2.2	u	44.2	ND	95.0	60-140			
Surrogate: Dibromofluoromethane	5.72		rt	5.00		114	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.97		п	5.00		99.4	60-140			
Surrogate: Toluene-d8	4.57		•	5.00		91.4	60-140			
Surrogate: 4-Bromofluorobenzene	5.68		*	5.00		114	60-140			
Matrix Spike Dup (2J02026-MSD1)	So	urce: MLJ00	027-01	Prepared	& Analyz	ed: 10/02/	02			
Benzene	45.9	2.1	ug/kg	42.7	ND	107	60-140	0.868	25	
Toluene	40.6	2.1		42.7	ND	95.1	60-140	3.39	25	
Surrogate: Dibromosluoromethane	5.61		"	5.00		112	60-140			
Surrogate: 1,2-Dichloroethane-d4	5.10		"	5.00		102	60-140			
Surrogate: Toluene-d8	4.43		,,	5.00		88. 6	60-140			
Surrogate: 4-Bromofluorobenzene	5.13		,,	5.00		103	60-140			



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Project Number: ARCO #276, Oakland, CA

Reported: 10/28/02 09:30

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

Project Manager: Scott Robinson

	Danul	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Onits	Level	Кезиц	70REC	Limits	KFD	Lillie	Notes
Batch 2J03027 - EPA 5035										<u> </u>
Blank (2J03027-BLK1)				Prepared	& Analyze	d: 10/03/	02			
Benzene	ND	0.50	ug/kg					•		•
Ethylbenzene	ND	0.50	**							
Toluene	ND	0.50	"							
Total Xylenes	ND	0.50	71							
Surrogate: Dibromofluoromethane	4.88		m	5.00		97.6	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.47		"	5.00		89.4	60-140			
Surrogate: Toluene-d8	4.25		Ħ	5.00		85.0	60-140			•
Surrogate: 4-Bromofluorobenzene	5.09		"	5.00		102	60-140			
LCS (2J03027-BS1)				Prepared	& Analyze	ed: 10/03/0	02			
Benzene	9.91	0.50	ug/kg	10.0		99.1	60-140			
Toluene	9.59	0.50	#	10.0		95.9	60-140			-
Surrogate: Dibromofluoromethane	4.94	-	#	5.00	-	98.8	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.52		*	5.00		90.4	60-140			
Surrogate: Toluene-d8	4.34		"	5.00		86.8	60-140			
Surrogate: 4-Bromofluorobenzene	5.08		"	5.00		102	60-140			
LCS Dup (2J03027-BSD1)				Prepared	& Analyze	ed: 10/03/	02			
Benzene	9.34	0.50	ug/kg	10.0		93.4	60-140	5.92	25	
Toluene	9.14	0.50	"	10.0		91.4	60-140	4.81	25	
Surrogate: Dibromofluoromethane	5.07		#	5.00		101	60-140			
Surrogate: 1,2-Dichloroethane-d4	4.37		*	5.00		87.4	60-140			
Surrogate: Toluene-d8	4.26		"	5.00		85.2	60-140			
Surrogate: 4-Bromofluorobenzene	5.04		0	5.00		101	60-140			



URS Corporation 500 12th Street, Suite 100

Oakland CA, 94607

Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported: 10/28/02 09:30

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.

HT-03 This sample was extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.

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.

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



Date: 9/26/02

Chain of Custody Record

Project Name Station 276 -

Station 276 - 10600 MacArthur Blvd., Oakland, CA 94605

BP Laboratory Contract Number: 4 0
Requested Due Date:

40062112

Requested Due Date:
(mm/dd/yy - List date 2 weeks from sampling date) MUIDF41

On-site Time: 0800 Ramp: 67°
Off-site Time: /200 Temp: 79°
Sky Conditions: /24"
Meteorological Events: 1001
Wind Speed: 3 Direction: 5W

Send To:	BP/GEM Facility No.: Station	1 276		Consultant: URS Oakland	
Lab Name: Sequoia Analytical	BP/GEM Facility Address; 10	600 MacArthur Blvd., Oakland	CA 95037	Address: 500 12th Street	et, #200
Lab Address: 865 sar in Drive	Site ID No. Station 276			Oakland, CA 9	4607
II. aslon, TX 1706 8	California Global III #:			e-mail EDD: Henry_Barrientos/	URSCorp.com
WALRUT CREEK CA	BP/GRM PM Contact: Paul S	iupple		Consultant Project No.:	
Lab PM: Latoriya F elf	Address: P.O. Box 6549, Mor	raga, CA 94570		Consultant Tele/Fax: 510-893-3	500
Tele/Fex: 408-782-8154/408-782-630 8	Tele/Fox: 925-299-8891/925-	299-8872		Consultant PM: Scott Robinson	
Report Type & QC Level: Normal				Invoice to: BP West Coast Prode	ints .
BP/GEM Account No.:				BF/GEM Work Relesse No.	
Lab Bottle Order No:	Matrix	Preservat	ves R	equested Analysis	
Item No. Field Point ID Sample ID Time	Spil/Solid Water/Liquid Sediments Air	No. of containers No. of containers Unpreserved HySO, HNO,	TPH-8 (8015) BIRX (8260) MIBE (8260)		Sumple Point LavLong and Comments
1 4/8/5	8 X 01	ΙX	XXX		26
	X 12	ix	XXX		
3 L 3. 10:0		11 1	XXX		,
4 4 9:2			XXX		
	2 X 34		XXX		
6 46 20-2			XXX		
7 47 10:2		4- X	XXX		
8 28 10:5		X	XIXX		· · · · · · · · · · · · · · · · · · ·
9 7073		* - - - - - - - - 			
	┪╼┝╍┝╍╎┈				
10 Semployle Nemes with A C. St.	Refinguished By	I de l'Elization	Date Time Ascepte	d By / Affliation	Date. Time
Sampler's Name: Tollo Teome Sampler's Company: URS Oakland	Reinquisited by	Zzamill	8/24/02 1430	A A SALIDACION	(302) 40D
Shipment Date:	1000	is.	7.7	SIAN Y	9/26/7- 1840
Shipment Method: Hand Deliver	Mike God W D S	64	7/26 2040 Cla	die Jarour	4-76-4 2010
Shipment Tracking No:		T. 10	-h x h-cxx -6xx-	CONTRACTOR OF THE PARTY OF THE	
Special Instructions: CAP 2002			<u></u>		W
Character and and and many			_ .	•	
grody Seals In Place Yes No X	Temperature Blan	k Yes No X C	ooler Temperature on Rec	eipt ⁰ F/C Trip Blas	ik YesNox



Date: 9/26/52

Project Name Business Unit

Station 276 - 10600 MacArthur Blvd., Oakland, CA 94605

3p West Coast Products LLC

BP Laboratory Contract Number:

4 0 0 6 2

Requested Due Date:

(mm/dd/vy - List date 2 weeks from sampling date)

MLEOTGI

On-site Time: 0800 Temp: 62°
Off-site Time: 1300 Temp: 79°
Sky Conditions: Clear
Meteorological Events: 100 Ne
Wind Speed: 3 Direction: 542

Send To: BP/GEM Facility No.: Sation 276 Consultant: URS Oakland
Lab Address: 887 Jarvis Brive Site 1D No. Station 276 Housing, 796-7938 California Global 10 #: Lab Lau T. CRFF L. A. BP/GPM PM Connect: Paul Supple Leb PM: Latence Rell Address: P.O. Box 6549, Moraga, CA 94570 Tole/Fax: 408-782-8154-403-382-6308 Report Type & QC Level: Normal SP/GPM Account No.: Lab Bottle Order No: Matrix Preservatives Requested Analysis
Housion, 196-27038 California Global ID #: BP/GPM PM. Connect: Pant Supple Consultant Project No.: Address: P.O. Box 6549, Moraga, CA 94570 Tole/Fax: 498-782-81542-6303 Report Type & QC Level: Normal SP/GEM Account No.: Lab Bottle Order No: Matrix Preservatives Bemail: EDD: Henry Barrientos@URSCorp.com Consultant Tele/Fax: 510-893-3600 Consultant Tele/Fax: 510-893-3600 Consultant Tele/Fax: 925-299-8891/925-299-8872 Consultant PM: Scott Robinson Invoice to: BP West Const Products BP/GEM Work Release No: Requested Analysis
BPKFEM PM Connect: Pant Supple Consultant Project No.: Lab PM: Latange Ref.
Leb PM: Laterage Reit Consultant Tele/Fax: 510-893-3600 Tele/Fax: 925-299-8891/925-299-8872 Report Type & QC Level: Normal SP/GEM Account No.: Lab Bottle Order No: Matrix Address: P.O. Box 6549, Moraga, CA 94570 Consultant Tele/Fax: 510-893-3600 Report Type & QC Level: Normal BP/GEM Work Release No: BP/GEM Work Release No: Requested Analysis
Tele/Fax: 408-782-8: 54:468-322-6308 Report Type & QC Level: Normal SP/GEM Account No.; Lab Bottle Order No: Matrix Preservatives Consultan: PM: Scott Robinson Invoice to: BP West Coast Products BP/GEM Work Release No: Requested Analysis
Report Type & QC Level: Normal SPKIEM Account No.; BP/GEM Work Release No: Lab Bottle Order No: Preservatives Requested Analysis
SP/GEM Account No.: Lab Bottle Order No: Matrix Preservatives Requested Analysis
ab Bottle Order No: Matrix Preservatives Requested Analysis
Item No. Field Point ID Sample ID Time pilosio Sold No. 14 Laboratory No. 15 Hall No. 15 Sample Point Lat/Long Comments
1 * 51 8:50 × 01 1 X X X X
2 52 8:55 X 10 1 X X X
3 53 9:02 X pr 1 X X X X
4 54 9:28 X PI PI X X X X
5 S 5 9:50 X 44 1 X X X
6 56 10:10 X PH 1 X X X
7 S 7 10:38 X PF 1 X X X X
8 S8 10:45 X C9 1 4 X X X
9
10
Sampler's Name: 70.00 Transman Relinquished By Assistation Date Line Accepted By Assistation Date Time
Sampler's Company: URS Oakland Carlo
Shipment Date: (1) He Winds 1841
Thipment Method: Hand Deliver 917K SEQ 1166 2040 (Ludiu Junea 3760 2040)
ihipment Tracking No:
Special Instructions: CAP 2002
4 MAY SAMPLE ZY TAT
gody Seals In Place Yes No Y Temperature Blank Yes No X Cooler Temperature on Receipt OF/C Trip Blank Yes No X
SOLD SELIS IN PIACE YES NO X TEMPERATURE BIBIR YES NO COOKE TEMPERATURE OF RECEIPT AND THE BIBIR YES NO X





3 October, 2002

Scott Robinson URS Corporation 500 12th Street, Suite 100 Oakland, CA 94607

RE: ARCO #276, Oakland, CA Sequoia Report: MLI0762

Enclosed are the results of analyses for samples received by the laboratory on 09/27/02 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jatonya K. Palt

Latonya Pelt Project Manager

CA ELAP Certificate #1210



URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA

Project Manager: Scott Robinson

Reported: 10/03/02 11:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pile (A-D)	MLI0762-01	Soil	09/27/02 08:26	09/27/02 15:30
Sump 1A	MLI0762-02	Soil	09/27/02 09:50	09/27/02 15:30



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607

Project: ARCO #276, Oakland, CA Number: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA
Project Manager: Scott Robinson

Reported: 10/03/02 11:39

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pile (A-D) (MLI0762-01) Soil Sa	ampled: 09/27/02 08:26	Received	: 09/27/0	2 15:30			· ·		
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J01019	10/01/02	10/02/02	8015Bm/8021 B	
Benzene	ND	0.0050		n	н	**	II .	н	
Toluene	ND	0.0050	н	н	н	11	II	н	
Ethylbenzene	ND	0.0050	**	11	H.	"	11	#	
Xylenes (total)	ND	0.010	11	**	13	ti	11	11	
Surrogate: a,a,a-Trifluorotoluene		97.0 %	60-	140	**	"	'n	17	
Surrogate: 4-Bromofluorobenzene		108 %	60-	140	*	rt	v	"	-
Sump 1A (MLI0762-02) Soil Sai	mpled: 09/27/02 09:50	Received:	09/27/02	15:30					
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	1	2J01019	10/01/02	10/02/02	8015Bm/8021	
								В	
Benzene	ND	0.0050	If	11	Ħ	H	17	II	
Toluene	ND	0.0050	"	11	,,		n	"	
Ethylbenzene	ND	0.0050	н	11	Ħ	п	n n	u	
Xylenes (total)	ND	0.010	"	**	#	п	w	11	
Surrogate: a,a,a-Trifluorotoluene		78.0 %	60-	140	п	н	н	"	
Surrogate: 4-Bromofluorobenzene		104 %	60-	140	m	#	n	"	



URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported: 10/03/02 11:39

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Pile (A-D) (ML10762-01) Soil	Sampled: 09/27/02 08:26	Received	: 09/27/02	2 15:30					
Antimony	ND	5.0	mg/kg	1	2J02010	10/02/02	10/02/02	EPA 6010B	:
Arsenic	ND	5.0	#		"	**		II .	
3arium	130	5.0	**	**	и	"	11	п	•
Beryllium	0.44	0.10	4	**	*	11	H	н	
Cadmium	ND	0.20			tr	**	**	41	-
Chromium	41	5.0		**	Ħ	•	**	4	
Cobalt	7.8	0.50		**	**	n	**	Ħ	
Copper	24	4.0		"	u	н	**	u	•
Lead	8.9	5.0	**	Ħ		D.	**	н	
Molybdenum	ND	1.0		"		fr	n	R	
Nickel	35	5.0	**	н	11	п	H	н	
Selenium	ND	5.0	**	Ħ		ч	n	н	
Silver	ND	0.10	**	Ħ	•	ч	n	"	
Thallium	ND	5.0	**	н	••	11	**	85	
Vanadium	37	5.0	н	н	Ħ	н	Ħ	н	
Zinc	58	5.0	Pr	n	**	п	IP		



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Number: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported: 10/03/02 11:39

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B - Quality Control Sequoia Analytical - Morgan Hill

Aπalyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J01019 - EPA 5030B [P/T]	2102111									
Blank (2J01019-BLK1)				Prepared a	Pr Analyza	ad: 10/01/				
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	r repareu c	x Allalyz	cu. 10/01/	02		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	ND ND	0.0050	mg/kg							
Benzene	ND	0.0050								
Toluene Ethylbenzene	ND ND	0.0050								
Xylenes (total)	ND ND	0.0030								
Surrogate: a,a,a-Trifluorotoluene	0.0196		- "	0.0200	.	98.0	60-140			
Surrogate: 4-Bromofluorobenzene	0.0204		*	0.0200		102	60-140			
LCS (2J01019-BS1)				Prepared &						
Benzene	0.0195	0.0050	mg/kg	0.0200		97.5	70-130			
Toluene	0.0198	0.0050	71	0.0200		99.0	70-130			
Ethylbenzene	0.0188	0.0050	Ħ	0.0200		94.0	70-130			
Xylenes (total)	0.0609	0.010	11	0.0600		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	0.0194	•	"	0.0200		97.0	60-140			
Surrogate: 4-Bromofluorobenzene	0.0217		"	0.0200		108	60-140			•
LCS (2J01019-BS2)				Prepared &	& Analyze	ed: 10/01/0)2			
Gasoline Range Organics (C6-C10)	ND	0.50	mg/kg	0.500		98.2	70-130			
Surrogate: a,a,a-Trifluorotoluene	0.0217	-	"	0.0200		108	60-140			
Surrogate: 4-Bromofluorobenzene	0.0220		*	0.0200		110	60-140			•
Matrix Spike (2J01019-MS1)	So	urce: MLI07	62-01	Prepared &	& Analyze	ed: 10/01/0	02			
Gasoline Range Organics (C6-C10)	0.782	0.50	mg/kg	1.10	ND	57.5	60-140			QM-07
Benzene	0.0169	0.0050	**	0.0132	ND	122	60-140			
Toluene	0.0753	0.0050		0.0794	ND	94.8	60-140			
Ethylbenzene	0.0160	0.0050	*	0.0184	ND	87.0	60-140			
Xylenes (total)	0.0930	0.010	"	0.0922	ND	101	60-140			
Surrogate: a,a,a-Trifluorotoluene	0.0217		u	0.0200	_	108	60-140			
Surrogate: 4-Bromofluorobenzene	0.0563		u	0.0200		282	60-140			QM-07



URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported: 10/03/02 11:39

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B - Quality Control Sequoia Analytical - Morgan Hill

		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2J01019 - EPA 5030B [P/T]	•									
Matrix Spike Dup (2J01019-MSD1)	Sou	Source: MLI0762-01			10/01/02	Analyzed	: 10/02/02			
Gasoline Range Organics (C6-C10)	0.654	0.50	mg/kg	1.10	ND	45.8	60-140	17.8	25	QM-07
Benzene	0.0105	0.0050	H	0.0132	ND	73.9	60-140	46.7	25	QM-07
Toluene	0.0694	0.0050	#	0.0794	ND	87.4	60-140	8.15	25	
Ethylbenzene	0.0140	0.0050	и	0.0184	ND	76.1	60-140	13.3	25	
Xylenes (total)	0.0804	0.010	u	0.0922	ND	87.2	60-140	14.5	25	
Surrogate: a,a,a-Trifluorotoluene	0.0187		и	0.0200		93.5	60-140			
Surrogate: 4-Bromofluorobenzene	0.0356		"	0.0200		178	60-140			ОМ-07

URS Corporation

500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported: 10/03/02 11:39

Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J02010 - EPA 3050B										
lank (2J02010-BLK1)	.,	-		Prepared	& Analyze	ed: 10/02/0)2			
ntimony	ND	5.0	mg/kg							
rsenic	ND	5.0	"							-
arium	ND	5.0								: '
eryllium	ND	0.10	п							
admium	ND	0.20								
hromium	ND	5.0								
obalt	ND	0.50								
opper	ND	4.0	**							
ead	ND	5.0	0							
folybdenum	ND	1.0								
(ickel	ND	5.0	"							
elenium	ND	5.0								
ilver	ND	0.10	v							
hallium	ND	5.0	**			:				
'anadium	ND	5.0	tt							
inc	ND	5.0	**							
.CS (2J02010- <u>BS1)</u>				Prepared a	& Analyze	ed: 10/02/0)2			
ntimony	41.9	5.0	mg/kg	50.0		83.8	80-120			
rsenic	44.7	5.0	**	50.0		89.4	80-120			
arium	40.9	5.0	19	50.0		81.8	80-120			
eryllium	43.6	0.10	77	50.0		87.2	80-120			:
admium	41.7	0.20	14	50.0		83.4	80-120			
Chromium	42.2	5.0	**	50.0		84.4	80-120			
obalt	43.4	0.50	10	50.0		86.8	80-120			
opper	41.3	4.0	41	50.0		82.6	80-120			
ead	42.8	5.0	**	50.0		85.6	80-120			
1olybdenum	42.3	1.0	Ħ	50.0		84.6	80-120			1
lickel	42.5	5.0	**	50.0		85.0	80-120			
elenium	42.1	5.0	•	50.0		84.2	80-120			
ilver	42.1	0.10	**	50.0		84.2	80-120			
hallium	42.6	5.0		50.0		85.2	80-120			
'anadium	42.7	5.0	4	50.0		85.4	80-120			
ine	42.9	5.0	w.	50.0		85.8	80-120			



URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #276, Oakland, CA Number: ARCO #276, Oakland, CA

Project Number: ARCO #276, Oakland, CA Project Manager: Scott Robinson Reported: 10/03/02 11:39

Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J02010 - EPA 3050B									-	
Matrix Spike (2J02010-MS1)	So	urce: MLI07	74-27	Prepared						
Antimony	26.8	5.0	mg/kg	50.0	ND	53.6	80-120			QM-07
Arsenic	52.0	5.0	**	50.0	6.5	91.0	80-120			
Barium	201	5.0	#	50.0	160	82.0	80-120			
Beryllium	46.0	0.10	**	50.0	ND	91.9	80-120			
Cadmium	45.2	0.20	51	50.0	1.0	88.4	80-120			
Chromium	59.8	5.0	97	50.0	17	85.6	80-120			
Cobalt	45.1	0.50	19	50.0	1.3	87.6	80-120			
Copper	263	4.0		50.0	220	86.0	80-120			
Lead	58.0	5.0		50.0	15	86.0	80-120			
Molybdenum	48.8	1.0		50.0	6.6	84.4	80-120			
Nickel	49.5	5.0		50.0	7.0	85.0	80-120			
Selenium	49.4	5.0		50.0	ND	98.8	80-120			
Silver	51.8	0.10	19	50.0	6.6	90.4	80-120			
Thallium	31.7	5.0	н	50.0	ND	63.4	80-120			QM-07
Vanadium	56.5	5.0	н	50.0	13	87.0	80-120			
Zinc	394	5.0	п	50.0	350	88.0	80-120			•
Matrix Spike Dup (2J02010-MSD1)	So	urce: MLI07	74-27	Prepared a	& Analyze	d: 10/02/0)2			
Antimony	26.9	5.0	mg/kg	50.0	ND	53.8	80-120	0.372	20	QM-07
Arsenic	51.8	5.0	н	50.0	6,5	90.6	80-120	0.385	20	:
Barium	223	5.0	ır	50.0	160	126	80-120	10.4	20	QM-07
Beryllium	45.1	0.10	Н	50.0	ND	90.1	80-120	1.98	20	100
Cadmium	43.9	0.20	п	50.0	1.0	85.8	80-120	2.92	20	
Chromium	60.9	5.0	11	50.0	17	87.8	80-120	1.82	20	
Cobalt	44.0	0.50	11	50 .0	1.3	85.4	80-120	2.47	20	
Copper	294	4.0		50.0	220	148	80-120	11.1	20	QM-07
Lead	58.1	5.0	n	50.0	15	86.2	80-120	0.172	20	
Molybdenum	49.3	1.0	n	50.0	6.6	85.4	80-120	1.02	20	
Nickel	49.0	5.0	17	50.0	7.0	84.0	80-120	1.02	20	
Selenium	48.4	5.0	19	50.0	ND	96.8	80-120	2.04	20	
Silver	50.2	0.10	15	50.0	6.6	87.2	80-120	3.14	20	•
Thallium	29.6	5.0	19	50.0	ND	59.2	80-120	6.85	20	QM-07
Vanadium	57.0	5.0	4	50.0	13	88.0	80-120	0.881	20	
Zinc	434	5.0	**	50.0	350	168	80-120	9.66	20	QM-07



URS Corporation

Project: ARCO #276, Oakland, CA

500 12th Street, Suite 100

Project Number: ARCO #276, Oakland, CA

Oakland CA, 94607

Project Manager: Scott Robinson

Reported: 10/03/02 11:39

Notes and Definitions

QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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

NO. 626

Chain of Custody Record Station 276 - 10800 MacAratur Blvd., Oakland, CA 94805

Bo West Coast Products LLC

Business Unit BP Laboratory Contract Number:

Project Name

4 0 0 6 2

Requested Duc Date:

(manifolity - List date 2 weeks from sampling face) MLLO762

On-sile Time: 0 5.00 Temp: Off-site Time: Tempt 4 Sky Conditions: Meteorological Events: Wind Speed: Direction

end To:	llar	P / C	P/GEM Facility No.: Station 276											4	Constitute URS Cakland Address: 500 12th Street, #206										
ab Name: Sequota Actalytical	- - - 	270	ĒМ	Taci	lily Address: 1060	0 M	a cA	ประ	r Bi	ro.)alfan	a C	4.95	107		Acul	C98:						<u> </u>		
io Mane: Sequina Actaryteca io Address: 865 James Drive	1		<u> </u>	Mo S	itation 276		-	-,-								Onldonod, CA, 94607									
Housion, TX 77058					beJiD#: .'											e-mail EDD: Henry Barrientos@URSCorp.com							<u> </u>		
Figuratori, 176 1 4000					Contact: Paul Sup	ΝE														t No				<u> </u>	
a see Towns this	- 15.	dán		90	Box 6549, Moragi	i C	A 94	570)														9000		
ob PM: Latonya Pclt cle/fax: 408-782-8154/408-782-630		-10/	e/Fax: 925-299-8891/825-299-8872															Root							
eport Type & QC Level: Normal	_	-1-7	, , ,								Lini	des (o: 8	W	<u>ಪ! ೧</u> ୯	24L	mck	uts							
P/GEM Account No.:	-{-		-				•	_								BP/	<u>GED</u>	I Wo	ck P	دعات	н Мо	:			
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SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: 1/RS REC. BY (PRINT) 7L WORKORDER: HULGE	,2-		DATE Received at Lab: TIME Received at Lab: LOG IN DATE:	9/27/02 1530 9-29-	<u>.</u>	Drinking wat regulatory pu Wastewater i regulatory pu	or YES
CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE#	#	CLIENT ID	CONTAINER DESCRIPTION	Sample Matrix	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intagt / Broken*	01		Pole A	tu Con	S	9/27/67	7 840
Chain-of-Custody (Prescott Absent* Traffic Reports or			Pile C			,	4Bhr JAT
Packing List: Present / Absent	cr		Rempl-A		./		
4. Airbill: Airbill / Sticker Present / Absent		, ,					· · · · · · · · · · · · · · · · · · ·
S. Airbill #:					l	<u> </u>	
6. Sample Labels: Present Absent			1				
7. Sample IDs: Listed / Not Listed on Chain-of-Custody							
8. Sample Condition: (Intact/Broken*/ Leaking*					^ · /		
9. Does information on custody reports, traffic reports and sample		···		12/10/			-
labels agree? Yes //No*							
10. Sample received within hold time: Yes No*							,
11. Proper Preservatives used: Yes No*				•			
12. Temp Rec. at Lab: 57							
(Acceptance range for samples requiring thermal pres.:4+/-2°C) **Exception (if any):				i,			

Sample Receipt Log Revision 2.2 (04/11/02) Replaces Revision 2.1 (11/10/00) Effectivo 04/15/02

Page _____of___

ATTACHMENT C FIELD SAMPLING DATA SHEET



SAMPLING LOG

URS

Site	ARCO Station No. 2	276		Date	9/26/02				
Samplers	Todd Trammell/Hen	ry Barrientos	Proj No.	38485980					
PID Model No.	OVB 580B	Calibration date/time	9/26/02	Page	1	of	1	-	

Sample ID	PID reading (ppm)	Depth	Time	Matrix	Comments
L1	10.0	~ 3'	838	soil	
L2	13.0	~ 3'	845	soil	
L3	1.0	~ 3'	1005	soil	
L4	16.0	~ 3'	920	soil	
L5	1.0	- 3'	940	soil	
L6	8.0	~ 3'	1000	soil	
L7	7.0	~ 3'	1025	soil	
L8	0.1	~ 3'	1050	soil	
 S1	350.0	~ 3'	850	soil	Strong fuel odor, take second deeper sample (Sump 1A)
S2	10.0	~ 3'	855	soil	
S3	3.0	~ 3'	902	soil	
S4 _	8.0	~ 3'	928	soil	Clay sewer line broken
S5	35.0	~ 3'	950	soil	
S6	0.2	~ 3'	1010	soil	
S 7	1.4	~ 3'	1038	soil	
 S8	2.0	~ 3′	1045	soil	
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Attachments:	See attached map for sampling locations.	
Notes:		

ATTACHMENT D
WASTE MANIFESTS

	t		Manifest Document No	The recognition of the first	2. Page 1 of
WASTE MANIFEST 3. Generator's Name and Mailing Address	MAIL: RYLAWTIC HICHTIPLE			10051	OI.
ABCD #276 7	PO BOX 9087				
Theod macantain blue	LOS ANGELES, CA 9000	19			_
OARTAGO, CA 4 Generator's Phone ((025) 046-11	ATTH: DANK, SHOWER				
5. Transporter 1 Company Name	0 US EPA ID Number		A 1900 W		
T20.50			A. State Trees		-
DILLARD ENVIRONMENTAL. 7. Transporter 2 Company Name	1 7 7 7 7 7	3 4 3	B. Transporter	1363/0	34-685
of the sports of the sport of t	8. US EPA ID Number		.,C. State Trans		
9. Designated Facility Name and Site Address			D. Transporter		1
ALTERNATI LANDFILL 10840 ALTERNATI PASS RO	10. US EPA ID Number	1	E. State Facilit	Ye ID	<u> </u>
LIVERNORS CA 94510			F. Facility's Ph	one	
	CAD981382	732	(925) 4	49-6349	
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NOM-HAZARDQUE WASTE

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Please print or type (Form designed for use on elli	e (12 pitch) (vpewriter)	. IVIZATATI	-8.	41734	0.54
NON-HAZARDOUS WASTE MANIFEST	1, Generator's US EPA ID No.		Mithifest Document No.	10052	2 Page 1
3: Generator's Name and Mailing Address ARCO #276 LOGOO MACAPTRUR BLUD OAZLAND, CA	MAIL: ATLANTIC RICHFIELD PO BOX 9087 LOS AUGELES, CA 900 ATTN: PAUL SUPPLE	09	r Nyd		1
4. Generator's Phone ((925) 945-11 5. Transporter 1 Company Name	6. US EPA ID Number		A Crus Town	Lain C	/
DILLARD ENVIRONMENTAL		2 3 4 3	A. State Transporter 1	The same of the sa	£ 634~6850
7. Transporter 2 Company Name	8. US EPA ID Number		C. State Transport	-	
100			D. Transporter 2	Phone	- 30
Designated Facility Name and Site Address ALTANGET LARBYILD 10840 ALTANGET PASS RO	10. US EPA ID Number	5.1.2	E. State Facility (No. 1) F. Facility's Phili	1	
LIVERHURE, CA 94550	CAD98138	2 7 3 2		19-8349	4
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M. KYRH PER ARCH	- Part Till VIII	W	1	10	PP
17. Transporter 1 Acknowledgement of Receipt of Printed/Typed Name	Modula TV. Signature	1/2/		- Month	1.5 10
Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name	Materials	17		10	Date
Printed/Typed Name	Signature	/ /		Month	Day Ye
19. Discrepancy Indication Space		8	¥ .		
	eipt of the waste materials covered by this manifest, except as not	ed in item 19.			Deta
T Printed/Typed Name	Signature	Le c	Š	Marin	30

Altagony Lamiffel & here DATE: 10/05/2002 TICKET # 315190-1 19340 Altagont Pasy Road TIME 1N: 11:02 1/0: J Civernore CA 54550 TIME DUTY MINOR STAGE TICKET :- 165830 CORRIER: DILL Fig. Land TRUCK: 991 TRATLEME! CUSTOMER: DILLARD / Dillard Environmenal SENERATUR: ARCOVERG / Apes Mevel ORIGINA DOK / DARROLD PROFILE SESSESSOON MANIFEST-WASTE / FORSCOMPTION 型以及1.5年10.32年前 CSC / Clarker Incaver GROSE: 78320 UBB AUSTEMERY DILECTOR / Dillacd En Wrongenst TAREL 30820 L88 47500 LBB CUSTOMERS DEPUTY WEIGHMASTER STORM THEO SERVICE DEDUTY WELD HAS LED - Dame first ox WEITOHMASTER CERTIFICATE THIS IS TO CENTIFY that the following described commodity was weighed, measured. on counted by a weightester whose signature is on this pentificate, who is recountries authority of accoracy, as prescribed by Chapter 7 (commencing with Bection 12700) of Division 5 of the California dusiness and Professions Code administered by the Division of Measurements Standards of the California

Department of Food and Apriculture,

WASTE MANIFEST	ID No.		Manifest Document No.	10033	2. Page 1 of
APCO #276	STARTIC PICHTIELD O NOT 9087 LGS AMERICS, CA 90009			35	
	ANI. SUPPLE				
5. Transporter 1 Company Name	6. US EPA ID Number		A. State Transp	orter's ID	
DYLLDRO EMPTROMMENTAL SUCS.	CAD982523	4 3 5	B. Transporter	Phone (925)	534-68
7. Transporter 2 Company Name	 US EPA ID Number 		C. State Transp		
•			D. Transporter 2	2 Phone	
ALTANDET LARDFILL 10040 ALTAGET PASS ROAD	10. US EPA ID Number		E. State Facility	134	
	C A D 9 8 1 3 8 2 7	3 2		ne 49-6349	
11. WASTE DESCRIPTION		12. Cont	ainers Type	13. · Total Quantity	Un Wt./
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15. Special Handling Instructions and Additional Information	STEERING TO A ST			7.35	50
11d. 15. Special Handling Instructions and Additional Information Zelect gents of Cast. act. (925) 634–6850 III 3189 1684–883 PGS 89–33855 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this in proper condition for transport. The meterials described on this manifest as	shipment are fully and accurately described as re not subject to lederal hazardous waste regu	nd are in all ristings	respectá	7.35	Date
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15. Special Handling Instructions and Additional Information Enter gentroy Continues: (925) 634–6850 III \$189 1684-883 POR 89-33855 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this in proper condition for transport. The materials described on this manifest as Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name UN NUMBER Printed/Typed Name UN NUMBER Printed/Typed Name	shipment are fully and accurately described a re not subject to lederal hazandous waste regularity.	nd are in all rations	respecté		Date Day Oate Day
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NOW HAZARDOME WASTE

Altamont Landfill & RRF. 1054G Altagent Pass Road Liversora Co 94550 DATE: 10/05/2000 TIME IN: 08:32 TIME DUT: 00:38 TICKET: 315158-1 170: 1 STABE TICKET: 165797

CARRIER: DILL / Dillard

TRUCK: 691, TRAILERN:

CUSTOMER: DILLARD / Diltard Environmenal

GENERATOR: ARCONATE A Arco 1276 -

ORIGIN: DAK / DESTANT

PROFILE (SEMIBURA)

MANIFEET MASTE / STELL PROFITABLE SELL DRAY DERIS

10050 / 10057 / 50 / 50 / 100 / 100 / 100 / 100

DEPOTY THE TERMASTER'S DODRITCAD, EVALUE

GROSS: 75280 LBS

TARE: 30350 LBS.

HET: 44320 LDG TOOM SECTIO

SUSTEMBRE DILLARDO / DI land Environmenal

DETAILY NETGHMANTERS Down costs, Frients

THIS IS TO CERTIFY that the following described consecutly was neighed, measured, or countainly a miliphocative whose tigheture is on this certificate, who is recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 2 of the California Business and Professions Code administered by the Division of Measurements Standards of the California Departments of Food, and Agriculture.

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NON-HAZARDOUS	1. Generator's US E	PA ID No.		Manifest	1 S 7 = 1	2. Page 1
WASTE MANIFEST	ranes was the resulting			Document No.	3. 0. 0. 5 5	of :
3. Generator's Name and Mailing Address ARCX 9276	MAIL:	ATLANTIC RICHFIELD PO BOK 9087				C 11
10600 MACARTHUR BLVD		LOS ANGELES, CA 90009				
OARTAND, CA Generator's Phone (93)5) 946-108		PAUL SUPPLE				
5. Transporter 1 Company Name		6. US EPA ID Number		A. State Transp	orter's ID	
DILLAND ENGINGMENTAL S	SES.	CAD982523	43	B. Transporter 1	Phone (925)	34-685
7. Transporter 2 Company Name		US EPA ID Number		C. State Transp		
Designated Facility Name and Site Address		10. US EPA ID Number		D. Transporter S		
ALTAMMET LASDETEL	207	The Second Control		E. State Facility		
10040 ALTEMONT PASS ROAL LIVERBURE, CA 94550	D	and the same		F. Faulity's Pho	ne	
		CAD9813827	3 2		19-6319	
11. WASTE DESCRIPTION		S. Sandara C. Company of the company	12. Co	ntainers	13. Total	14. Unit
A.C.		4	No.	Type	y Quantity	.WL/Vo
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3. Additional Descriptions for Materials Listed Above				H. Handling Code	es for Wastes Linted Above	
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		THE RESIDENCE OF THE PARTY AND ADDRESS OF THE PARTY.	兵士位置	EFFECTIVE ENGINEE		
6. GENERATOR'S CERTIFICATION: I hereby cert	ify that the contents of the	his shipment are fully and accurately described a	and are ig a	respects		
GENERATOR'S CERTIFICATION: I hereby cert in proper condition for transport. The materials d	ify that the contents of the escribed on this manifes	his shipment are fully and accurately described a ser not subject to reduce hazardous waste reg	and are ig a	I respects		
	ify that the contents of the escribed on this manifes	vis shipment are fully and accurately described a ser not subject to rederal hazardous westeres	and are id a	I respects		Date
mited/Typed Name	ify that the contents of the escribed on this manifes	vis athipment are fully and accurately described at are not subject to redgraft hazárdous waste reg	and are ig a	I respects	andropm	Date Only
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Printed/Typed Name Mu. RIPN PER ARCO 17. Transporter J Acknowledgement of Receipt of M		Variable	and are id a	Inspects	10	Date Date
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NOM HAZABBOUS WASTE

· or counted by a wardingsteen whose signature in on this cortilitests, who is recognized authority of accuracy, as prescribed by Chapter 7 transenting with Section 12706) of Bytalun 5 of the Cabifornia Business and Grofessions Code administered by the Division of Measurements Standards of the California. Repartment of Food and Agriculture. DATE: 10/05/2002 TICKET: 315183-1 19840 Altagont Pass Road to TIME INVESTOR 35 TZB: T Livermore CA 94550 TIME CUTE 10:35 STAGE PICKET: 165824 CORRIER: DILL / Dillard Wall TRUCKI 891 CUSTOMER: DILLARD //Dillard Environment SENERATOR: ARCDUZZE / APED #276 DRIGIN: DAW 7 DAM SMED MANIFEST WASTE / THE SUPPLY THE MINE PER TOOSET - COSC / Class of Francis GROSS: 27500 LBS CUSTOMER DINEARD / CHITAND Englisonness TARE: 30960 LDG NETT 46540 LDS 18 CUSTOMER WELBHMASTER CERTIFICATE THIS IS NO CERTIFY that the fullowing described composity, was weighed, measured,

THIS IS NO CERTIFY that the following described commodity was weighed, measured or counted by a weigheaster whose signature is an this certificate, who is recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 18700) of Division S of the California Business and Professions Code administered by the Division of Measurements Standards of the California Department of Food and Agriculture.

WASTE MANIFEST		PAID No.		Manifest Document No.	10056	2. Page 1 of
3. Generator's Name and Mailing Address	MATE.	ATLANTIC RECOFFEED		-	1 11 11 3 11	
ARCXI #216	*******	PO BOE 9082				
10600 NALARIMON KLVO		LOS ANGELES. CA 90009				
CIARLAND, CA Generator's Phone (995) 946 118	artn:	paul supple				
	85					
. Transporter 1 Company Name		6. US EPA ID Number		A. State Transpo	rter's ID	
DILLARD REVISIONERIAL S	WEST.	CAD98252	3 4 3	B. Transporter 1	Phone (925) 634-685
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transpo	rter's ID	
		4		D. Transporter 2	Phone	
9. Dealgnated Facility Name and Site Address		10. US EPA ID Number		E. State Facility's	ID	
ALTERNAT LARISETTA	2.11					
10840 ALTAHORT PASS POA	D			F. Facility's Phor	0	
LIVERGERE, CA 94550		C A D 9 8 1 3 8 2	7 7 4		19-6349	92
1. WASTE DESCRIPTION		O N D 3 G L 3 G Z		etainers	13.	14.
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176. 11c. LLd. 5. Special Handling Instructions and Additional Info	51 #34-6R50	DIVLAME			- 7 - 7	1
176. 114. List. 5. Special Handling Instructions and Additional Info	51 #34-6R50	DIVLAME			-77	4
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NON-HAZARDOUS WASTE

WASTE MANIFEST			Manifest Document No.	10053	2. Page 1 of
ARCH 0276 PO	artic Mencie Box dost Abgeles, ca :				
ORTLAND, CA 4. Generator's Phone (935) 946-1065	il supple				
5. Transporter 1 Company Name 6,	US EPA ID Numi	Der	A. State Transp	orter's ID	
DILLARD ENVIRONMENTAL SUCS	CAD982		B. Transporter 1		634-685
7. Transporter 2 Company Name 8.	US EPA ID Numi		C. State Transp		51.00 M 100 M
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E la colo de la colo d	110 mm 1 m 11		D, Transporter 2	2248201	
Designated Facility Name and Site Address ALTANTIST LABORILL 10040 ALTANTIST PASS ROAD	US EPA ID Num	Der	E. State Facility		
LIVERGRE, CA 94550	A D 9 8 1 3	8 2 7 3 2	F. Facility's Pho (925) 4	49-6349	
1. WASTE DESCRIPTION	8	t2. Co	Type	13. Total Quantity	14. Unit WL/V
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Additional Descriptions for Materials Listed Above		1	W Unadias Cad	Ior Wastes Listed Above	
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11d. 5. Special Handling Instructions and Additional Information	Leard			7.7	56 2.3
11d. 5. Special Handling Instructions and Additional Information Emergency Contact: (921) 634-6850 (10-3145)		hy described and ask in	all refusects	7.7	76- 2-1
5. Special Handling Instructions and Additional Information Exercises Contact: (923) 634-6850 (92-33855) 6. GENERATOR'S CERTIFICATION: I hereby cartify that the contents of this ship proper condition for transport. The materials described on this manifest are re-	proend are fully and accurate not subject to federal hazards	by described pad-ope in our waste regulations.	all prispects	7.7	2 3
5. Special Handling Instructions and Additional Information Exercise Contact: (921) 634-6850 p.1. 1001-003 PD (19-33855) 6. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this ship proper condition for transport. The materials described on this manifest are intrinsed/Typed Name. 11. ELECTRICAL ANCO	proend are fully and accurate not subject to federal hazards	hy described ped-opt in nus waste regulations.	all respects	7.7	Oate 94 2
5. Special Handling Instructions and Additional Information Exercised Contract: (923) 634-6850 DELEGATION: 1 New York 1004-003 PON 09-33655 6. GENERATOR'S CERTIFICATION: 1 New York 1997 The Contents of this ship proper condition for transport. The materials described on this manifest are not reconstructed. The proper condition for transport. The materials described on this manifest are not reconstructed. The proper condition for transport of the materials described on this manifest are not reconstructed. The proper condition of the property of the pr	proend are fully and accurate not subject to federal hazards	hy described ped-gyle in nus waste regulations.	all refspects	Month.	Date 1
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5. Special Handling Instructions and Additional Information Exercised Contract: (923) 634-6850 pt. ### 1004-003 Pth 09-33655 6. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this ship proper condition for transport. The materials described on this manifest are not proper condition for transport. The materials described on this manifest are not properly and the proper condition for transport of Receipt of Materials ###################################	present are fully and accurate not subject to federal hazardo	ty described pad-grid in the waste regulations.	all respects	Month / o	Date - Day
5. Special Handling Instructions and Additional Information Exercise Contract: (925) 634-6850 D.1. JUHA 1004-903 PON 09-33655 6. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this ship proper condition for transport. The materials described on this manifest are intrinsed/Typed Name. M. XIAN PEN ANCO 7. Transporter 1 Addinowindgement of Receipt of Materials. Transporter 1 Addinowindgement of Receipt of Materials.	present are fully and accurate not subject to federal hazarde. Signature Signature Signature	W W	all respects	Month / o	Date 1

NOW HAZABDOUS WASTE

Altamont Landbill & Rd 19849 Altamonf Pass Road Liversone CA 94550

DATE: 10/05/2002 TIME INT 08:27 TIME DUT: VB:27

TICKET 1-315157 1/0: 1

STAGE TICKETY 16529

CGRRIER: DILE / Dillard

THUCK: 491 TRAILER

CUSTOMER: BILLARD V Dittard Environmenal

GENERATOR: (ARCOMERG / Torce MERS ORIGIN: ORK / Daktani

SERGELLE STORAGOO

MANIFEST HASTE / DEDUKENTAN 10053 CEC / CISE TIPE OVER

GROSS: 77560 LBG. TAREL -31740 LBS

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CUSTOMER

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THIS IS TO CERTIEV that the following described commodity was weighed, ascauted, or gounted by a mergheaster whose wignature is on this contificate, who is recognized authority of accuracy, les présonified by Chapter 7 (commenting with Section 1:700) of Division 5 of the Estiforgue Business and Professions Code administered by the Division of Measureaugha Standards of the California Department of Food and Unriculture.

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA	ID No.				Manifest Document No.	10054	2. Pa	ge 1
3. Generator's Name and Malling Address ERCH #276 LOGGO MACERTHUR BLVD		os aveti	CS. CA 900	109					
(935) 946-10 4. Generator's Phone (935) 946-10		EUL SUPP	i.e						
5. Transporter 1 Company Name		6. US	S EPA ID Number			A. State Transpo	orter's ID		
DILLARD ENVIRONMENTAL S	WCS.	I C & D	9825	2 3 4	- 1	B. Transporter 1	7 45 4	25) 634-	605
7. Transporter 2 Company Name		8. U:	EPA ID Number		_	C. State Transpo			
T. Francisco & Contyney (1977)		1			-	D. Transporter 2	Manager 1		_
9. Designated Facility Name and Site Address		10. U	S EPA ID Number		_				_
ALTANDET LABOETIL 10540 ALTANDET PASS ROA	.D		S EL M ID MUMON			E. State Facility's F. Facility's Phon			
LIVEDONE, CA 94550		CAD 9	8 6 1 8	2 7 3		(925) 44			
11. WASTE DESCRIPTION				1	No.	ainers Type	13. Total Quantity	2	14, Unit Wt./Vo
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G. Additional Descriptions for Materials Listed Abor	ve to a	c: 1	p 16 09	7.3 4	-		m for Wastes Listed A	bove	*
G. Additional Descriptions for Materials Listed Abortion 1114	ve	c: , 1,	* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, i . i . i .			ofor Wastes Listed A	bove	
11. 5 5 0 9 % 0 0 0	formation	DATE AND	·	A Section 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			bove	
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Altangut Landvill 4 AEF 19840 Altanont Pass Road Livermore CA 94550

DATE: 10/05/2002 TIME IN: 10:27 TIME DUT: 10:27 TICKETA 315101-1 1/0: 1 9TAGE TICKET: 165822

CARRIER: Ditt / Dittard

TRUCKE A91

CHATOMER, D'ALLARD & Diffard Environmenal

GENERATOR: ARCDING 76 general MC750

ORIGIN: OAK / OAKLANO A.

AROFILE: 55998600

MANIFEST WASTE / PURSOAUPTIONS

TO A SERVENIA CONTRACTOR

GRUSS: 79340 LBS

TARE: 31340 LDS

TETT 48000 LBS TENGT WAR

TO THE

DIVEY FERE

SUBTOMER: DILENRY / DillarayEnvynenmenal

TOUS TOMORY

DEPUTY NEIGHMASTER: Doppertion France - DEPUTY NEIGHMASTER DOPPERTY DEPUTY NEIGH

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THIS IS TO LERTIFY that the following described commodity was weighed, measured, or counted by a weightester whose signature is on this certificate, who is recognized enthmster of accoracy, as prescribed by Chapter 7 (community with Section 10700) of Division 5 of the California Business and Professions Code administered by the Utylsion of Peasurements Standards of the California Department of Food and Agriculture.

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.		Manifest Document No.	10058	2. Page 1 of
3. Generator's Name and Malling Address	Arco #276 10600 Macarth Oatsland, CA	211			
	10000 Macarth	OI RING			
	OFI-1				
4. Generator's Phone (Cath land, Con				
5. Transporter 1 Company Name	6. U	S EPA ID Number	A. State Transp	order's ID	
Dillard Enu.	10AD	18252343	B. Transporter	the state of the s	34-63
7. Transporter 2 Company Name		S EPA ID Number			1 5/6
7. Transponer 2 Company warne	i. u.	S EFA ID NUILIUSI	C. State Transp	-	_
			D. Transporter	1	_
9. Designated Fecility Name and Site Address Ata work * Law	2.C: 11 10. U	S EPA ID Number	E. State Facility	TE ID	
My year			70.000 mm. (10.00)		-
	<i>₩</i>		F. Facility's Pho	one	
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11. WASTE DESCRIPTION		12.	Containers	13. Total	l d
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N. Carlotte					
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G. Additional Descriptions for Materials Listed Abo	we :		H. Handling Coo	fee for Wastes Listed Above	1
G. Additional Descriptions for Materials Listed Abo		1 1 3	2 /4	,	
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11. KIRN		1 year of			-1
17. Transporter 1 Acknowledgement of Receipt of 1	Motorials	rijewy)	Date
11. KIRN		well Os K	2	Manin	Date Day
17. Transporter 1 Acknowledgement of Receipt of 1	Motorials	LOK (il.	Mgnm 18	Date
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AT Semont Lampfill & AR 10548 Allahont Pass Road Liversone CA 94530

DATE: 10/05/2002; 11NE TR: 12:18 77NE DUT: 12:18 TICKET: 315000-1 1/0: 1 STORE TICKET: 16584)

CORRIER: DILL & Dillard.

TRUCK: 491 TRAILERS

CUSTOMER: DILLARD / Dillard Environmenal

DENERATOR: PROQUETO France 1626 P. Proping 25036900

MANIFEST WASTE TO DEED A TIGHT OF THE SHEY PER

BROSSY 76-20 LER TARE: 31349 LER NET: 45-20 ERE

DESCRIPTION / Dillard Engironmenal

OCCUPY DECIMAL PROPERTY DESCRIPTION

DEPUTY DETERMANTER, Deputy to Frank Deputy D

THIS IS TO CERTIFY that the following described commutity was weighed, weasured, or counted by a weighwaster whose standards or on this certificate, who is recognized authority of acommencing with section 12 Pour of Division 5 of the California Business and Professions Eude administered by the Division of Measurement's Standards of the California Department of Food and Agriculture.

WASTE MANIFEST	1. Generator's US EPA ID) No.		Manifest Document No.	7.15	2. Page 1 of
3 Generator's Name and Mailing Address	1 2					
=	# // B	0 .	2			
			4			
4. Generator's Phone ()						100
5. Transporter 1 Company Name	6.	US EPA ID Nur	nber	A. State Transports	er's ID	
5.6				B. Transporter 1 Pt	hone	
7. Transporter 2 Company Name	8.	US EPA ID Nun	nber	C. State Transports	er's ID	
1961				D. Transporter 2 Pt	hone	
Designated Facility Name and Site Address	10	US EPA ID Nur	nber	E. State Facility's II	D	
p. e. e. e.	1			F. Facility's Phone		
11. WASTE DESCRIPTION			19 /	Containers	12	
	8:		No.	Type	13. Total Quantity	Un
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G. Additional Descriptions for Materials Listed Ab				I	or Wastes Listed Ab	
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					n 1	117
15. Special Handling Instructions and Additional I	niomation				117_9	
					*/	153 5
***	4					
*				-14		
16. GENERATOR'S CERTIFICATION: I hereby of la proper condition for transport. The materials	ertify that the contents of this shis described on this manifest are i	ipment are fully and accurate not subject to federal hazard	ely described and are in lous waste regulations.	all respects		Date
Printed/Typed Name		Signature			Mo	
fel N	Y.			5		1.4
17. Transporter 1 Acknowledgement of Receipt of	Materials					Date
Printed/Typed Name	in the state of th	Signature	1	90	Mo	nth Day
18. Transporter 2 Acknowledgement of Receipt of	Materials		1			Date
Printed/Typed Name	20	Signature			Mo	nth Day
19. Discrepancy Indication Space						
		50	6)			
20. Facility Owner or Operator, Certification of rec	eipt of the waste materials cover	red by this manifest, except a	as noted in item 19.			Date
	eipt of the waste materials cover	red by this manifest, except a	as noted in item 19.		Mo	

Altamont Landfill & RRF 10840 Altawort Pass Road Livermore CA 94550

DATE: 10/07/2008 TIME IN: 08:25 TIME DUTY 08:25

T/O: F STAGE TICKET: 165929

CARRIER: DILL /-Distance

TRUCK : 891 TRAILERHT

CUSTOMER: DILLARD WODGEL and Engir oncensi

BENERATOR: ARCUMETE AND ARCOMETE

DRIBIN: DAK / Dakband

MANIFEST WASTE Y DESCRIPTIONS GEC / Class C. Core 5 CA 39 T

GROSS 80140 LBS Mental

TAREL 30960 LBS

49180 LBS MET L

ALL PROPERTY OF THE PARTY OF TH

DUSTONER: DitLARD 7-Intlard Environmenso

DEPOTY MEIGHMASTER: Brown, Ken Sr

DEPLITY WEIGHMASTER: Brown, Ken Sr

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmanter whose signature is on this certificate, who is recognized authority of accuracy, as prescribed by Chapter 7 troomencing with Section (2700) of Division 5 of the California Business and Froressions Code administered by the Division of Measurements Standards of the California Department of Food and Agriculture.

Altamont Landfill & RRF 10840 Altagont Pass Read DATE: 10/17/2002 TICKET: 31A071-TIME IN: 10:58 Liveragre CA 94550 1/0:1 TIME DUTY 10:54 STREET TICKET: 168799 CARRIER DALLOW DILLARAS TRUCK: William PERMITERIN CUSTOMERS CILLARD / District Environmenals BENDERATOR: BROOKE76 9 BOER 4576 ORIGINA ONE V Card inde-PROFILE: 5509000 MONIFEST DESERTATION DATA PER 10173 CAC TRANSPORT LOCAL S GROSS: 72940 175 55 PUSTBALK: PALEORDY Dillard theirensi. TORE: 30040 LAS. MELE 421ag (III) and DEPUTY WEIGHMOSTER: Schaeffler, John DEPUTY DETERMENTED LEGISLATERS, John WEISHNUSTER CERTIF THIS IS TO CEPTIFY that the following described commodity was weighed, bessured or counted by a seaghnester whose signature is on this certificate, who is recognized authority of accuracy, as prescribed by Chapter 7 (commenting with Section 12700) of Division 5 of the California Business and Professions Code. equinistared by the Division of Psasurement Standards of the California

Plea	scrprint or type (Form designed for use on elite (1	ON-HAZANDOU	S WASIE W	MINIE	E31		
		Generator's US EPA ID No.			Manifest Document No.	2 11 2 2 3	2. Page 1
Beer Am	3. Generator's Name and Mailing Address AREST #276 LOGING HALLARTHUR BLIFF)	ATTALTA : LIAN R Jik OT Roba Roll Roba Jika : BYTA	oet Les. Ca young				
	5. Transporter 1 Company Name		US EPA ID Number		A State Transp	orter's ID	
	WELLAND ENVIRONMENTAL EU	es Lea	n d 6 9 6 5 3	4 2	B. Transporter	Phone / (***)	27年上,经建筑口
쨇	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Transp		
i de	Designated Facility Name and Site Address				D. Transporter	Phone	V-2
	ACTAGRAT LASSETIAL	10.	US EPA ID Number		E. State Facility	s ID	
	LEVEUMUZ, CA 94550	1	55		F. Facility's Pho	ne	
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OR M	d.	6				2	
	G. Additional Descriptions for Materials Listed Above	in the second	a de mi	1	H. Handling Cod	e for Wastes Listed Above	
	15. Special Handling Instructions and Additional Inform これたなななはなる。 ・ (日本) (日本) (日本) (日本) (日本) (日本) (日本) (日本)						- 1
Market Company	16. GENERATOR'S CERTIFICATION: I hereby certify in proper condition for transport. The materials des	that the contents of this shipment are fi cribed on this manifest are not subject to	ully and accurately described of lederal hazardous waste reg	end are in al gulations.	I respects		Date
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ŀ	17. Transporter 1 Acknowledgement of Receipt of Matt Printed/Typed Name	enals Sign:	ature			44	Date Voca
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	18. Transporter 2 Acknowledgement of Receipt of Materials	erlais					Date
	Printed/Typed Name	Signa	ature			Month	Day Year
	19. Discrepancy Indication Space	22					
	20. Facility Owner or Operator, Certification of receipt of	of the waste materials covered by this m	anifest, except as noted in Iter	m 19.			Date
ŗ	Printed/Typed Name	Signa	ature	1. 1	19	Month (Day Year

MANTED ON ASCYCLED PAPER SESSON MAN

MON-HAZARDOWS WASTE

ATTACHMENT E UNAUTHORIZED BELEASE REPORT

T	UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT						
	□ yı	GENCY HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? TO DATE CASE # CASE #	THEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS	INFORMA T ON THE	TION ACCORDIN BACK PAGE OF	NG TO THE THIS FORM	
	м	M 0 0 V V	SHONED THE STREET			DATE	
I	ED BY	NAME OF INDIVIDUAL FILING REPORT John Schetter REPRESENTING OWNER/OPERATOR REGIONAL BOARD	308-0495 SIGNATURE COMPANY OR AGENCY NAME			1	
Ļ	REPORTED	LOCAL AGENCY OTHER	BP West Coast Products LLC				
		ADDRESS Four Centerpointe Drive, LPR4-460 STREET	La Palma CITY CONTACT PERSON		CA STATE PHONE	90623 ZIP	
Ī	RESPONSIBLE PARTY	BP West Coast Products LLC UNKNOWN ADDRESS	John Schetter		(530) 308	-0495	
7	RESP P	Facility NAME (IF APPLICABLE)	La Palma CITY OPERATOR		CA STATE PHONE	90623 ZIP	
4	_	Arco Facility No. 276	JOHN CHAO		510-567-1	R641	
	SITE LOCATION	ADDRESS 10600 MACARTHUR BLVD STREET	Oakland crry	Alameda 94605 COUNTY ZIP			
		CROSS STREET 106th			Lovone		
1	IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County	CONTACT PERSON		PHONE		
	ENCIR	Enviromental Health REGIONAL BOARD	Ariu Levi		(510) 567 PHONE	-6862	
T	IMP.	California Regional Water Quality Board 2			(510) 622	-2460	
	_	(1) NAME	Mi-	QUAN	ITITY LOST (GAI	LLONS)	
Ŧ	SUBSTANCES	Gasoline (2)		-		☑ UNKNOWN	
1	SUBS					□ UNKNOWN	
	RY/ABATEMENT		ENTORY CONTROL SUBSURFACE MONITORING IK REMOVAL OTHER Line Replacement	7	SANCE CONDITI		
		M M D D Y Y W WUNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL		REPAIR		
	DISCOVE	HAS DISCHARGE BEEN STOPPED? YES NO IF YES, DATE O 1 2 0 M M DI DI	0 3 ☐ REPLACE TANK ☐ CLOSE TANK & FILL ☐ OTHER Replace prov			PROCEDURE	
	SOURCE/ CAUSE			PILL DIER			
	SA T	CHECK ONLY ONE UNDETERMINED SOIL ONLY GROUNDWATER	DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE A	CTUALLY	BEEN AFFECTE	ED)	
	CURRENT	CHECK ONLY ONE On action taken PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED Deak being confirmed Preliminary site assessment underway Post Cleanup Monitoring in Progress Remediation Plan Case Closed (Cleanup Completed or Unnecessary) Cleanup Underway					
	REMEDIAL	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETALS) CAP SITE (CD) EXCAVATE & DISPOSE (ED) EXCAVATE & TREAT (ET) CONTAINMENT BARRIER (CB) NO ACTION REQUIRED (NA) VACUUM EXTRACT (VE) OTHER TBD	SITE (CD)				
	COMMENTS	MtBE detected in soll sample L-1 @ 1.9 ppm & L-2	2 @ 2.4 ppm. A soil report for the line upgrade	will be	e issued so	oon.	

POSTHILL S ONME Machthe