RO 100

URS

February 3, 2006

Mr. Don Hwang
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Second Semi-Annual 2005 Groundwater Monitoring & Remediation System Status Report
ARCO Service Station #2035
1001 San Pablo Avenue
Albany, California
ACEH Case #RO0000100

Dear Mr. Hwang:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Second Semi-Annual 2005 Groundwater Monitoring and Remediation System Status Report* for the ARCO Service Station #2035, located at 1001 San Pablo Avenue, Albany, California.

If you have any questions regarding this submission, please call me at (510) 874-3019.

Sincerely,

URS CORPORATION

Donna Cosper, E.I.T.
Project Manager

PROFESSIONAL GEOLOGIST
ROBERT M. HORWATH
NO. 5925
4/06
STATE OF CALIFORNIA

Robert M. Horwath, P.G.
Portfolio Manager

Enclosure: Second Semi-Annual 2005 Groundwater Monitoring and Remediation System Status Report

cc: Mr. Chuck Carmel, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Barbara and James A. Lestrange, Property Owner, 6 La Canada Court, Saint Helena, CA 94574
Muriel & Emile Turpin, Trustees, 2 La Canada Court, Saint Helena CA 94574-1250
Mr. Robert Cave, Bay Area Air Quality Management District – Permit Division, 939 Ellis Street, San Francisco, CA 94109

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
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REPORT

SECOND SEMI-ANNUAL 2005 GROUNDWATER MONITORING AND REMEDIATION SYSTEM STATUS REPORT

ARCO SERVICE STATION #2035
1001 SAN PABLO AVENUE
ALBANY, CALIFORNIA

Prepared for
RM

February 3, 2006

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: February 3, 2006

Period: 4Q 05

SECOND SEMI-ANNUAL 2005 GROUNDWATER MONITORING AND REMEDIATION SYSTEM STATUS REPORT

Facility No.:	2035	Address:	1001 San Pablo Avenue, Albany, California
RM Environmental Business Manager:			Chuck Carmel
Consulting Co./Contact Person:			URS Corporation / Donna Cosper
Primary Agency:			Alameda County Environmental Health (ACEH)
ACEH Case #:			RO0000100

WORK PERFORMED THIS PERIOD (Fourth – 2005):

1. Prepared and submitted the Third Quarter 2005 Status Report.
2. Performed the fourth quarter 2005 monitoring event on November 16, 2005.

WORK PROPOSED FOR NEXT PERIOD (First – 2006):

1. Prepare and submit this Second Semi-Annual 2005 Groundwater Monitoring and Remediation System Status Report.
2. Prepare and submit First Quarter 2005 Status Report.

SITE SUMMARY:

Current Phase of Project:	Remediation/GW monitoring/sampling
Frequency of Groundwater Sampling:	Annually (4th quarter): MW-5 and MW-6 Semi-Annually (2nd /4th quarters): MW-1 through MW-4, RW-1 and S-5
Frequency of Groundwater Monitoring:	Semi-annual
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Air Sparge (AS)/Soil Vapor Extraction (SVE)
Approximate Depth to Groundwater:	9.50 (MW-1) to 12.98 (MW-6) feet
Groundwater Gradient (direction):	West
Groundwater Gradient (magnitude):	0.03 feet per foot
Equipment Inventory:	Therm Tech Model VAC-10 Thermal/Catalytic Oxidizer
Operating Mode:	Catalytic Oxidation
BAAQMD Permit #:	8694
TPH Conc. End of Period (lab):	NA (System shut down temporarily)
Benzene Conc. End of Period (lab):	NA (System shut down temporarily)
SVE Flowrate End of Period:	74 scfm
Total HC Destroyed This Period:	0.0 pounds NA (System shut down temporarily)
Total HC Destroyed to Date:	3,967 pounds
Utility Usage This Period	
Electric (kWh):	0
Gas (cu/ft):	0
Operating Hours This Period (SVE):	0

Operating Hours to Date (SVE):	23,392 Hours
Percent Operational This Period (SVE):	0%
Unit Maintenance:	Currently optimizing SVE system performance
Number of Auto Shut Downs:	NA (System shut down temporarily)
Destruction Efficiency Permit Requirement:	98.5% (POC >2,000 ppmv); 97% (POC >200 ppmv); 90% (POC <200 ppmv)
Percent TPH Conversion:	NA (System shut down temporarily)
Average Stack Temperature:	652° F
Average SVE Source Flow:	52 scfm
Average SVE Process Flow:	78 scfm
Average Source Vacuum:	20 in of H_2O

DISCUSSION:

Gasoline range organics, toluene and ethylbenzene were detected at or above their respective laboratory reporting limits in one of the eight wells (S-5) sampled this quarter at concentrations of 15,000 micrograms per liter (µg/L), 25 µg/L and 570 µg/L, respectively. Benzene was detected at or above laboratory reporting limit in two wells at concentrations of 28 µg/L (RW-1) and 1,400 µg/L (S-5). Xylenes were detected at or above laboratory reporting limit in three wells at concentrations ranging from 0.50 µg/L (MW-2) to 850 µg/L (S-5). Methyl-tert-butyl ether was detected at or above laboratory reporting limit in five wells at concentrations ranging from 0.92 µg/L (MW-1) to 32 µg/L (MW-3, RW-1). 1,2-Dichloroethane was detected at or above laboratory reporting limit in one well at a concentration of 0.79 µg/L (MW-2). No other fuel components were detected at or above their respective laboratory reporting limits. Well S-5 de-watered during sampling after 2.2 gallons.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – November 16, 2005
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 –Groundwater Gradient Data
- Table 4 –Monthly Depth to Water Monitoring
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data Tables
- Attachment D – Joint Monitoring Data
- Attachment E – Error Check Reports and EDF/Geowell Submittal Confirmations

Car Wash

losk

l-branded
ice Station
San Pablo

MARIN AVENUE

S-3
32.98
6,000
2.24
3.83

S-5
32.03
15,000
1,400
<5.0
SA(2,4)

S-6
33.28
9,950
147
10.8

S-G

STs

S-F

planter

sidewalk

32.00

0.03

30.00

S-8
9.24
,700
3.2
638

SAN PABLO AVENUE

Former USTs

32
SA(2,4)

Remediation
Compound

VW-3

VW-4

VW-6

VW-1

ARCO SERVICE
STATION

AS-1

VW-7

VW-2

VW-5

AS-2

VW-9

driveway

RW-1*
31.39
<100
28
32
SA(2,4)

MW-2
32.02
<50
<0.50
7.6
SA(2,4)

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	4/11/2002	P	41.41	10.73	--	30.68	800	360	<5.0	<5.0	<5.0	<50	--	--	--	
	11/27/2002	P	41.41	10.22	--	31.19	<50	<0.50	<0.50	<0.50	<0.50	1.7	1.1	--	--	
	6/3/2003	--	41.41	9.14	--	32.27	1,700	430	<5.0	24	11	8.6	1.7	--	--	
	11/13/2003	P	43.55	10.17	--	33.38	<50	<0.50	<0.50	<0.50	<0.50	0.95	2.3	SEQM	6.5	a
	05/12/2004	P	43.55	9.28	--	34.27	120	7.2	<0.50	<0.50	<0.50	3.0	1.6	SEQM	6.0	
	12/01/2004	P	43.55	9.16	--	34.39	<50	0.94	<0.50	<0.50	1.1	2.4	5.2	SEQM	6.6	
	05/02/2005	P	43.55	8.58	--	34.97	1,300	390	<5.0	12	6.4	8.8	2.8	SEQM	6.5	
	11/16/2005	**P**	**43.55**	**9.50**	**--**	**34.05**	**<50**	**<0.50**	**<0.50**	**<0.50**	**0.54**	**0.92**	**1.7**	**SEQM**	**6.4**	
MW-2	4/11/2002	P	40.38	11.05	--	29.33	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	
	11/27/2002	P	40.38	10.51	--	29.87	<50	<0.50	<0.50	<0.50	<0.50	5.4	2.6	--	--	
	6/3/2003	--	40.38	9.78	--	30.60	<50	<0.50	<0.50	<0.50	<0.50	23	1.7	--	--	
	11/13/2003	P	42.52	10.69	--	31.83	<50	<0.50	<0.50	<0.50	<0.50	9.5	2.3	SEQM	6.5	a
	05/12/2004	P	42.52	10.34	--	32.18	<250	<2.5	<2.5	<2.5	<2.5	27	2.2	SEQM	6.6	
	12/01/2004	P	42.52	10.28	--	32.24	<50	<0.50	<0.50	<0.50	0.70	17	3.9	SEQM	6.6	
	05/02/2005	P	42.52	9.50	--	33.02	<50	<0.50	<0.50	<0.50	<0.50	25	3.1	SEQM	6.6	
	11/16/2005	**P**	**42.52**	**10.50**	**--**	**32.02**	**<50**	**<0.50**	**<0.50**	**<0.50**	**0.50**	**7.6**	**2.8**	**SEQM**	**6.4**	
MW-3	4/11/2002	P	41.44	11.05	--	30.39	250	9.4	<0.50	<0.50	<0.50	120	--	--	--	
	11/27/2002	P	41.44	10.49	--	30.95	<100	<1.0	<1.0	<1.0	2.5	56	2.2	--	--	
	6/3/2003	--	41.44	9.44	--	32.00	130	<0.50	<0.50	<0.50	<0.50	47	4.1	--	--	
	11/13/2003	P	43.62	10.68	--	32.94	53	<0.50	<0.50	<0.50	<0.50	36	3.8	SEQM	6.8	a
	05/12/2004	P	43.62	9.95	--	33.67	65	<0.50	<0.50	<0.50	<0.50	39	4.2	SEQM	6.9	
	12/01/2004	P	43.62	10.32	--	33.30	140	<0.50	<0.50	<0.50	<0.50	37	4.3	SEQM	6.9	
	05/02/2005	P	43.62	9.12	--	34.50	140	<0.50	<0.50	<0.50	<0.50	23	3.1	SEQM	6.7	
	11/16/2005	**P**	**43.62**	**10.58**	**--**	**33.04**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**32**	**4.1**	**SEQM**	**6.5**	
MW-4	4/11/2002	NP	40.33	10.81	--	29.52	<50	<0.50	<0.50	<0.50	<0.50	11	--	--	--	
	11/27/2002	NP	40.33	10.09	--	30.24	<50	<0.50	<0.50	<0.50	<0.50	6.5	1.8	--	--	
	6/3/2003	--	40.33	8.62	--	31.71	<250	<2.5	<2.5	<2.5	<2.5	120	1.1	--	--	
	11/13/2003	NP	42.48	9.98	--	32.50	<50	<0.50	<0.50	<0.50	<0.50	20	1.3	SEQM	6.2	a
	05/12/2004	P	42.48	9.48	--	33.00	<250	<2.5	<2.5	<2.5	<2.5	79	2.9	SEQM	6.6	
	12/01/2004	NP	42.48	9.60	--	32.88	<50	<0.50	<0.50	<0.50	<0.50	1.8	1.9	SEQM	6.7	
	05/02/2005	NP	42.48	8.67	--	33.81	<50	<0.50	<0.50	<0.50	<0.50	11	2.8	SEQM	6.6	
	11/16/2005	**NP**	**42.48**	**10.00**	**--**	**32.48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**0.93**	**1.7**	**SEQM**	**6.3**	
MW-5	4/11/2002	NP	41.84	10.63	--	31.21	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-5	11/27/2002	NP	41.84	10.65	--	31.19	--	--	--	--	--	--	--	--	--	
	6/3/2003	--	41.84	8.92	--	32.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	--	--	
	11/13/2003	NP	44.03	10.58	--	33.45	<50	<0.50	<0.50	<0.50	<0.50	0.79	1.4	SEQM	5.7	a
	05/12/2004	--	44.03	9.95	--	34.08	--	--	--	--	--	--	--	--	--	
	12/01/2004	NP	44.03	10.05	--	33.98	<50	<0.50	<0.50	<0.50	<0.50	0.55	1.8	SEQM	6.3	
	05/02/2005	--	44.03	8.75	--	35.28	--	--	--	--	--	--	--	--	--	
	11/16/2005	**NP**	**44.03**	**10.37**	**--**	**33.66**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.3**	**SEQM**	**6.2**	
MW-6	4/11/2002	NP	40.13	11.42	--	28.71	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	
	11/27/2002	NP	40.13	13.11	--	27.02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	--	--	
	6/3/2003	--	40.13	12.48	--	27.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	--	--	
	11/13/2003	NP	42.26	13.11	--	29.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	SEQM	6.8	a
	05/12/2004	--	42.26	12.68	--	29.58	--	--	--	--	--	--	--	--	--	
	12/01/2004	NP	42.26	12.68	--	29.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	SEQM	7.3	
	05/02/2005	--	42.26	12.25	--	30.01	--	--	--	--	--	--	--	--	--	
	11/16/2005	**NP**	**42.26**	**12.98**	**--**	**29.28**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.2**	**SEQM**	**6.7**	
RW-1	4/11/2002	P	40.33	9.20	--	31.13	15,000	750	2,000	380	2,000	1,500	--	--	--	
	11/27/2002	P	40.33	10.31	--	30.02	<2,500	720	<25	<25	<25	<25	1.8	--	--	
	6/3/2003	--	40.33	9.54	--	30.79	470	78	0.97	4.3	9	48	1.4	--	--	
	11/13/2003	P	42.35	10.35	--	32.00	130	29	<0.50	<0.50	<0.50	44	1.3	SEQM	6.6	a
	05/12/2004	P	42.35	9.80	--	32.55	<250	66	<2.5	<2.5	<2.5	<2.5	1.9	SEQM	6.9	
	09/02/2004	--	42.35	10.42	--	31.93	--	--	--	--	--	--	--	--	--	
	10/07/2004	--	42.35	10.36	--	31.99	--	--	--	--	--	--	--	--	--	
	11/04/2004	--	42.35	9.93	--	32.42	--	--	--	--	--	--	--	--	--	
	12/01/2004	P	42.35	10.02	--	32.33	<250	96	<2.5	<2.5	<2.5	16	1.8	SEQM	6.7	
	05/02/2005	P	42.35	9.20	--	33.15	230	100	<1.0	<1.0	<1.0	50	2.5	SEQM	6.6	
	11/16/2005	**P**	**42.35**	**10.96**	**--**	**31.39**	**<100**	**28**	**<1.0**	**<1.0**	**<1.0**	**32**	**1.0**	**SEQM**	**6.5**	
S-5	4/11/2002	P	40.33	10.17	--	--	30,000	390	1,400	410	7,400	<500	--	--	--	
	11/27/2002	P	40.33	9.77	--	--	55,000	1,300	450	1,400	13,000	<50	4.3	--	--	
	6/3/2003	--	40.33	9.03	--	--	44,000	680	260	1,100	9,900	<25	1.9	--	--	
	6/3/2003	--	40.33	9.12	--	--	--	--	--	--	--	--	1.4	--	--	
	11/13/2003	P	41.83	9.12	--	32.71	31,000	520	120	690	5,900	<50	1.4	SEQM	6.5	a
	05/12/2004	P	41.83	9.95	--	31.88	28,000	760	79	910	5,000	<50	1.9	SEQM	6.6	
	12/01/2004	P	41.83	9.61	--	32.22	26,000	1,500	64	1,400	4,000	<25	--	SEQM	6.5	b

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
S-5	05/02/2005	P	41.83	8.80	--	33.03	13,000	700	18	260	1,300	<5.0	1.8	SEQM	6.4	
	11/16/2005	**P**	**41.83**	**9.80**	**--**	**32.03**	**15,000**	**1,400**	**25**	**570**	**850**	**<5.0**	**1.1**	**SEQM**	**6.3**	

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #2035
1001 San Pablo Ave., Albany, CA

ABBREVIATIONS & SYMBOLS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
BTEX = Benzene, toluene, ethylbenzene and xylenes
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Not purged before sampling
P = Purged before sampling
TOC = Top of casing measured in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015, Modified
µg/L = Micrograms per liter
SEQ/SEQM = Sequoia Analytical/Sequoia Morgan Hill Laboratories

FOOTNOTES:
a = Site resurveyed by URS on 10/15/03 to NAVD '88
b = Sheen in well

NOTES:
No sampling occurs at this site during the first and third quarters of each calendar year.

TPH-g analyzed using EPA Method 8015, Modified and BTEX and MTBE by EPA method 8260B.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Values for DO and pH were obtained through field measurements.

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-1	6/3/2003	<1000	<200	8.6	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/13/2003	<100	<20	0.95	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<100	<20	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/01/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/02/2005	<1,000	220	8.8	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/16/2005	**<100**	**<20**	**0.92**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**a**
MW-2	6/3/2003	<100	<20	23	<0.50	<0.50	<0.50	0.94	<0.50	
	11/13/2003	<100	<20	9.5	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<500	<100	27	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	<100	<20	17	<0.50	<0.50	<0.50	0.74	<0.50	
	05/02/2005	<100	75	25	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	**<100**	**<20**	**7.6**	**<0.50**	**<0.50**	**<0.50**	**0.79**	**<0.50**	**a**
MW-3	6/3/2003	<100	<20	47	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	36	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<100	<20	39	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/01/2004	<100	<20	37	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/02/2005	<100	<20	23	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	**<100**	**<20**	**32**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**a**
MW-4	6/3/2003	<500	<100	120	<2.5	<2.5	<2.5	<2.5	<2.5	
	11/13/2003	<100	<20	20	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<500	<100	79	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/02/2005	<100	75	11	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	**<100**	**<20**	**0.93**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**a**
MW-5	6/3/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	0.79	<0.50	<0.50	<0.50	--	--	
	12/01/2004	<100	<20	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**a**
MW-6	6/3/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	12/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**a**

Table 2

Fuel Additives Analytical Data

ARCO Service Station #2035
1001 San Pablo Ave., Albany, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
RW-1	6/3/2003	<100	22	48	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	44	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	<500	<100	16	<2.5	<2.5	<2.5	<2.5	<2.5	
	05/02/2005	<200	<40	50	<1.0	<1.0	<1.0	<1.0	<1.0	
	11/16/2005	**<200**	**<40**	**32**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**a**
S-5	6/3/2003	--	--	--	--	--	--	--	--	
	6/3/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
	11/13/2003	<10,000	<2,000	<50	<50	<50	<50	--	--	
	05/12/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	12/01/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
	05/02/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/16/2005	**<1,000**	**<200**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**a**

Table 2

Fuel Additives Analytical Data

ARCO Service Station #2035
1001 San Pablo Ave., Albany, CA

ABBREVIATIONS & SYMBOLS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above the laboratory reporting limit
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
µg/L = Micrograms per Liter

FOOTNOTE:
a = Calibration verification for ethanol was within method limits but outside contract limits.

NOTES:
All volatile organic compounds analyzed using EPA Method 8260B.

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 3

Groundwater Gradient Data

ARCO Service Station #2035
1001 San Pablo Ave., Albany, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
04/11/2002	Southwest	0.012
11/27/2002	West	0.021
06/03/2003	West	0.024
11/13/2003	West (offsite Northwest)	0.015
05/12/2004	West	0.020
12/01/2004	West	0.030
05/02/2005	West	0.02
11/16/2005	**West**	**0.03**

NOTES:
Site resurveyed by URS on 10/15/03 by datum NAVD '88.

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 4
Monthly Depth To Water Data for Remediation System Wells
ARCO Service Station #2035
1001 San Pablo Avenue, Albany, CA

Well Number	Date Sampled	Well Size (in)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Screen Length (feet)	Feet of Exposed Screen	Depth to Water (feet, TOC)	Depth to Well Bottom (feet)
VW-1	10/7/2004	4	5	17	12	5.27	10.27	15.65
	11/4/2004	4	5	17	12	4.65	9.65	15.73
	12/7/2004	4	5	17	12	4.62	9.62	15.76
	1/6/2005	4	5	17	12	0.94	5.94	15.70
	2/4/2005	4	5	17	12	3.12	8.12	15.75
VW-2	10/7/2004	4	5	17	12	5.50	10.50	15.30
	11/4/2004	4	5	17	12	4.89	9.89	15.26
	12/7/2004	4	5	17	12	4.94	9.94	15.32
	1/6/2005	4	5	17	12	0.10	5.10	15.20
	2/4/2005	4	5	17	12	3.69	8.69	15.34
VW-3	10/7/2004	4	5	10	5	1.95	DRY	6.95
	11/4/2004	4	5	10	5	1.47	6.47	6.93
	12/7/2004	4	5	10	5	0.85	5.85	6.93
	1/6/2005	4	5	10	5	0.00	2.70	6.95
	2/4/2005	4	5	10	5	0.73	5.73	7.01
VW-4	10/7/2004	4	5	15	10	4.65	9.65	15.70
	11/4/2004	4	5	15	10	3.55	8.55	15.65
	12/7/2004	4	5	15	10	3.74	8.74	15.71
	1/6/2005	4	5	15	10	0.00	4.40	15.70
	2/4/2005	4	5	15	10	1.94	6.94	15.68
VW-5	10/7/2004	4	4	15	11	2.67	6.67	14.00
	11/4/2004	4	4	15	11	0.00	2.54	13.91
	12/7/2004	4	4	15	11	0.00	2.52	13.97
	1/6/2005	4	4	15	11	0.00	2.29	13.95
	2/4/2005	4	4	15	11	0.00	2.60	13.98
VW-6	10/7/2004	4	5	12	7	3.18	8.18	12.15
	11/4/2004	4	5	12	7	3.42	8.42	12.10
	12/7/2004	4	5	12	7	3.27	8.27	12.11
	1/6/2005	4	5	12	7	0.50	5.50	12.09
	2/4/2005	4	5	12	7	0.00	4.68	12.10
VW-7	10/7/2004	4	6	15	9	4.01	10.01	14.52
	11/4/2004	4	6	15	9	3.02	9.02	14.55
	12/7/2004	4	6	15	9	2.66	8.66	14.60
	1/6/2005	4	6	15	9	0.00	5.60	14.55
	2/4/2005	4	6	15	9	0.73	6.73	14.61
VW-8	10/7/2004	4	6	15	9	3.42	9.42	14.20
	11/4/2004	4	6	15	9	2.60	8.60	14.18
	12/7/2004	4	6	15	9	2.51	8.51	14.25
	1/6/2005	4	6	15	9	0.00	4.17	14.20
	2/4/2005	4	6	15	9	0.24	6.24	14.14
VW-9	10/7/2004	4	6	15	9	4.42	10.42	14.10
	11/4/2004	4	6	15	9	3.78	9.78	14.19
	12/7/2004	4	6	15	9	1.89	7.89	14.14
	1/6/2005	4	6	15	9	0.00	5.90	14.08
	2/4/2005	4	6	15	9	0.21	6.21	14.12

Table 4
Monthly Depth To Water Data for Remediation System Wells
ARCO Service Station #2035
1001 San Pablo Avenue, Albany, CA

Well Number	Date Sampled	Well Size (in)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Screen Length (feet)	Feet of Exposed Screen	Depth to Water (feet, TOC)	Depth to Well Bottom (feet)
RW-1	10/7/2004	6	11	26	15	0.00	10.36	25.40
	11/4/2004	6	11	26	15	0.00	9.93	25.48
	12/7/2004	6	11	26	15	0.00	9.78	25.53
	1/6/2005	6	11	26	15	0.00	8.00	25.45
	2/4/2005	6	11	26	15	0.00	8.96	25.45
	11/16/2005	**6**	**11**	**26**	**15**	**0.00**	**10.96**	**25.36**
AS-1 (a)	10/7/2004	2	5	14	10	2.48	DRY	7.48
	11/4/2004	2	5	14	10	2.48	DRY	7.48
	12/7/2004	2	5	14	10	2.50	DRY	7.50
	1/6/2005	2	5	14	10	0.40	5.40	7.75
	2/4/2005	2	5	14	10	1.69	6.69	7.84
AS-2 (a)	10/7/2004	2	5	14	10	0.35	DRY	5.35
	11/4/2004	2	5	14	10	0.49	DRY	5.49
	12/7/2004	2	5	14	10	0.43	DRY	5.43
	1/6/2005	2	5	14	10	0.15	5.15	5.52
	2/4/2005	2	5	14	10	0.47	DRY	5.47
AS-1 (b)	10/7/2004	2	29	31	2	0.00	10.71	30.42
	11/4/2004	2	29	31	2	0.00	10.21	30.38
	12/7/2004	2	29	31	2	0.00	10.11	30.42
	1/6/2005	2	29	31	2	0.00	8.35	30.40
	2/4/2005	2	29	31	2	0.00	9.05	30.36
AS-2 (b)	10/7/2004	2	29	31	2	0.00	10.63	31.28
	11/4/2004	2	29	31	2	0.00	10.45	31.28
	12/7/2004	2	29	31	2	0.00	10.12	31.34
	1/6/2005	2	29	31	2	0.00	8.18	31.30
	2/4/2005	2	29	31	2	0.00	9.27	31.20

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 051116-OW-2 Date 11-16-05 Client Arco 2035

Site 1001 San Pablo Ave Albany

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	
mw-1	4					9.50	29.68		
mw-2	4					10.50	28.75		
mw-3	4					10.58	32.77		
mw-4	4					10.00	25.00		NP @ 8.5
mw-5	4					10.37	24.37		" 8.5
mw-6	2					12.98	24.23		" 8.0
RW-1	6					10.96	25.36		
S-5	3					9.80	15.75		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.68	Depth to Water: 9.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

13.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 39.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1312	69.5	6.4	692	13.1	
1315	69.1	6.4	667	26.2	
1318	68.8	6.4	667	39.3	

Did well dewater? Yes (No) Gallons actually evacuated: 39.3

Sampling Time: 1323 Sampling Date: 11-16-05

Sample I.D.: MW-1 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.7	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 28.75	Depth to Water: 10.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

11.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 35.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1345	68.1	6.4	720	12	
1348	68.2	6.4	734	24	
1351	67.6	6.4	737	36	

Did well dewater? Yes (No) Gallons actually evacuated: 36

Sampling Time: 1356 Sampling Date: 11-16-05

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	2.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 32.77	Depth to Water: 10.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

14.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 43.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1421	67.3	6.3	602	14.4	
1424	67.0	6.5	608	28.8	
1427	67.1	6.5	613	43.2	

Did well dewater? Yes (No) Gallons actually evacuated: 43.2

Sampling Time: 1430 Sampling Date: 11-16-05

Sample I.D.: MW-3 Laboratory: Pace (Sequoia) Other_____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	4.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 25.00	Depth to Water: 10.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Other: _____

Top of Screen: 8.5'

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____ (1 Case Volume (Gals.)) X 3 (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1407	69.8	6.3	501	—	

Did well dewater? Yes No — Gallons actually evacuated: ~

Sampling Time: 1407 — Sampling Date: 11-16-05

Sample I.D.: MW-4 — Laboratory: Pace (Sequoia) Other_____

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.7 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.37	Depth to Water: 10.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Other: ___

Top of Screen: 8.5'

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

___ (1 Case Volume (Gals.)) X 3 (Specified Volumes) = ___ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1300	68.4	6.2	844	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 1300 Sampling Date: 11-16-05

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.3 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.23	Depth to Water: 12.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Other: ____

Top of Screen: 8'

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

____ (1 Case Volume (Gals.)) X 3 (Specified Volumes) = ____ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1240	67.5	6.7	682	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 1240 Sampling Date: 11-16-05

Sample I.D.: MW-6 Laboratory: Pace (Sequoia) Other____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 25.36	Depth to Water: 10.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: ___

Top of Screen: ___

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

21.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 63.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1450	69.6	6.5	652	21.2	
1455	69.3	6.5	701	42.4	
1500	68.5	6.5	722	63.6	

Did well dewater? Yes (No)		Gallons actually evacuated: 63.6	
Sampling Time: 1505		Sampling Date: 11-16-05	
Sample I.D.: RW-1		Laboratory: Pace (Sequoia) Other___	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: See SOW	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	1.0 mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051116-DW-2	Station # 2035
Sampler: DW	Date: 11-16-05
Well I.D.: S-5	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 15.75	Depth to Water: 9.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer
X Disposable Bailer
Positive Air Displacement
Electric Submersible
Extraction Pump
Other: _____

Sampling Method: Bailer
X Disposable Bailer
Extraction Port
Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

2.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1520	68.6	6.3	915	2.2	
	well	dewatered @ 3gl		DTW= 14.05	
1530	69.0	6.3	990	—	DTW= 12.10

Did well dewater? (Yes) No — Gallons actually evacuated: 3

Sampling Time: 1530 — Sampling Date: 11-16-05

Sample I.D.: S-5 — Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.1 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

2035
Station #

1001 San Pablo Ave Albany
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

184

added equip. rinse water 2

any other adjustments

TOTAL GALS. RECOVERED 186

loaded onto BTS vehicle # 48

BTS event # 051116-DW-2

time

date 11/16/05

signature David C Walt

* *

REC'D AT

time

date

unloaded by signature

ATTACHMENT B

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals noted on the chain-of- custody using standard EPA Methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.

Sequoia Analytical

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Morgan Hill, CA 95037
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2 December, 2005

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #2035, Albany, CA
Work Order: MOK0896

Enclosed are the results of analyses for samples received by the laboratory on 11/17/05 11:38. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MOK0896-01	Water	11/16/05 13:23	11/17/05 11:38
MW-2	MOK0896-02	Water	11/16/05 13:56	11/17/05 11:38
MW-3	MOK0896-03	Water	11/16/05 14:30	11/17/05 11:38
MW-4	MOK0896-04	Water	11/16/05 14:07	11/17/05 11:38
MW-5	MOK0896-05	Water	11/16/05 13:00	11/17/05 11:38
MW-6	MOK0896-06	Water	11/16/05 12:40	11/17/05 11:38
RW-1	MOK0896-07	Water	11/16/05 15:05	11/17/05 11:38
S-5	MOK0896-08	Water	11/16/05 15:30	11/17/05 11:38
TB-2035-111605	MOK0896-09	Water	11/16/05 00:00	11/17/05 11:38

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with intact custody seals.

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MOK0896-01) Water Sampled: 11/16/05 13:23 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.92**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.54**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-135*		"	"	"	"	
MW-2 (MOK0896-02) Water Sampled: 11/16/05 13:56 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	**0.79**	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**7.6**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.50**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MOK0896-03) Water Sampled: 11/16/05 14:30 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**32**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*60-135*		"	"	"	"	
MW-4 (MOK0896-04) Water Sampled: 11/16/05 14:07 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.93**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*120 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MOK0896-05) Water Sampled: 11/16/05 13:00 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*60-135*		"	"	"	"	
MW-6 (MOK0896-06) Water Sampled: 11/16/05 12:40 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MOK0896-07) Water Sampled: 11/16/05 15:05 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	1.0	ug/l	2	5K28002	11/28/05	11/28/05	EPA 8260B	
Benzene	**28**	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**32**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*126 %*	*60-135*		"	"	"	"	
S-5 (MOK0896-08) Water Sampled: 11/16/05 15:30 Received: 11/17/05 11:38									
tert-Amyl methyl ether	ND	5.0	ug/l	10	5K28002	11/28/05	11/28/05	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**570**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Toluene	**25**	5.0	"	"	"	"	"	"	
Xylenes (total)	**850**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**15000**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-5 (MOK0896-08RE1) Water Sampled: 11/16/05 15:30 Received: 11/17/05 11:38									
Benzene	**1400**	10	ug/l	20	5K29005	11/29/05	11/29/05	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

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
Batch 5K28002 - EPA 5030B P/T / EPA 8260B										
Blank (5K28002-BLK1)				Prepared & Analyzed: 11/28/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							IC
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.95*		"	*2.50*		*118*	*60-135*			
Laboratory Control Sample (5K28002-BS1)				Prepared & Analyzed: 11/28/05						
tert-Amyl methyl ether	16.1	0.50	ug/l	15.0		107	80-115			
Benzene	5.85	0.50	"	5.16		113	65-115			
tert-Butyl alcohol	181	20	"	143		127	75-150			
Di-isopropyl ether	18.7	0.50	"	15.1		124	75-125			
1,2-Dibromoethane (EDB)	16.5	0.50	"	14.9		111	85-120			
1,2-Dichloroethane	17.7	0.50	"	14.7		120	85-130			
Ethanol	438	100	"	142		308	70-135			HL, IC
Ethyl tert-butyl ether	15.2	0.50	"	15.0		101	75-130			
Ethylbenzene	7.07	0.50	"	7.54		94	75-135			
Methyl tert-butyl ether	7.44	0.50	"	7.02		106	65-125			
Toluene	42.8	0.50	"	37.2		115	85-120			
Xylenes (total)	39.2	0.50	"	41.2		95	85-125			
Gasoline Range Organics (C4-C12)	473	50	"	440		108	60-140			
Surrogate: 1,2-Dichloroethane-d4	*2.62*		"	*2.50*		*105*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

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
Batch 5K28002 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5K28002-MS1)	**Source: MOK0896-08**			Prepared & Analyzed: 11/28/05						
tert-Amyl methyl ether	185	5.0	ug/l	150	1.2	123	80-115			LM
Benzene	1340	5.0	"	51.6	1300	78	65-115			
tert-Butyl alcohol	1830	200	"	1430	ND	128	75-120			LM
Di-isopropyl ether	189	5.0	"	151	1.1	124	75-125			
1,2-Dibromoethane (EDB)	176	5.0	"	149	ND	118	85-120			
1,2-Dichloroethane	218	5.0	"	147	2.1	147	85-130			LM
Ethanol	1390	1000	"	1420	ND	98	70-135			IC
Ethyl tert-butyl ether	180	5.0	"	150	ND	120	75-130			
Ethylbenzene	649	5.0	"	75.4	570	105	75-135			
Methyl tert-butyl ether	100	5.0	"	70.2	2.0	140	65-125			LM
Toluene	474	5.0	"	372	25	121	85-120			LM
Xylenes (total)	1280	5.0	"	412	850	104	85-125			
Gasoline Range Organics (C4-C12)	19100	500	"	4400	15000	93	60-140			
Surrogate: 1,2-Dichloroethane-d4	*2.87*		"	*2.50*		*115*	*60-135*			
Matrix Spike Dup (5K28002-MSD1)	**Source: MOK0896-08**			Prepared & Analyzed: 11/28/05						
tert-Amyl methyl ether	176	5.0	ug/l	150	1.2	117	80-115	5	15	LM
Benzene	1250	5.0	"	51.6	1300	0	65-115	7	20	BB,LN
tert-Butyl alcohol	1700	200	"	1430	ND	119	75-120	7	25	
Di-isopropyl ether	192	5.0	"	151	1.1	126	75-125	2	15	LM
1,2-Dibromoethane (EDB)	176	5.0	"	149	ND	118	85-120	0	15	
1,2-Dichloroethane	207	5.0	"	147	2.1	139	85-130	5	20	LM
Ethanol	1990	1000	"	1420	ND	140	70-135	36	35	HL, IC
Ethyl tert-butyl ether	173	5.0	"	150	ND	115	75-130	4	25	
Ethylbenzene	610	5.0	"	75.4	570	53	75-135	6	15	BB,LN
Methyl tert-butyl ether	93.3	5.0	"	70.2	2.0	130	65-125	7	20	LM
Toluene	454	5.0	"	372	25	115	85-120	4	20	
Xylenes (total)	1190	5.0	"	412	850	83	85-125	7	20	LN
Gasoline Range Organics (C4-C12)	17800	500	"	4400	15000	64	60-140	7	25	
Surrogate: 1,2-Dichloroethane-d4	*2.79*		"	*2.50*		*112*	*60-135*			

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

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
Batch 5K29005 - EPA 5030B P/T / EPA 8260B										
Blank (5K29005-BLK1)				Prepared & Analyzed: 11/29/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							IC
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*3.14*		"	*2.50*		*126*	*60-135*			
Laboratory Control Sample (5K29005-BS1)				Prepared & Analyzed: 11/29/05						
tert-Amyl methyl ether	15.4	0.50	ug/l	15.0		103	80-115			
Benzene	5.66	0.50	"	5.16		110	65-115			
tert-Butyl alcohol	133	20	"	143		93	75-150			
Di-isopropyl ether	18.2	0.50	"	15.1		121	75-125			
1,2-Dibromoethane (EDB)	16.2	0.50	"	14.9		109	85-120			
1,2-Dichloroethane	17.7	0.50	"	14.7		120	85-130			
Ethanol	340	100	"	142		239	70-135			HL, IC
Ethyl tert-butyl ether	14.4	0.50	"	15.0		96	75-130			
Ethylbenzene	6.82	0.50	"	7.54		90	75-135			
Methyl tert-butyl ether	6.85	0.50	"	7.02		98	65-125			
Toluene	41.4	0.50	"	37.2		111	85-120			
Xylenes (total)	37.8	0.50	"	41.2		92	85-125			
Gasoline Range Organics (C4-C12)	438	50	"	440		100	60-140			
Surrogate: 1,2-Dichloroethane-d4	*2.54*		"	*2.50*		*102*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

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
Batch 5K29005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5K29005-MS1)	**Source: MOK0884-03**			Prepared & Analyzed: 11/29/05						
tert-Amyl methyl ether	1670	50	ug/l	1500	19	110	80-115			
Benzene	4090	50	"	516	3500	114	65-115			
tert-Butyl alcohol	17600	2000	"	14300	700	118	75-120			
Di-isopropyl ether	1700	50	"	1510	ND	113	75-125			
1,2-Dibromoethane (EDB)	1690	50	"	1490	ND	113	85-120			
1,2-Dichloroethane	2120	50	"	1470	ND	144	85-130			LM
Ethanol	11700	10000	"	14200	ND	82	70-135			IC
Ethyl tert-butyl ether	1640	50	"	1500	ND	109	75-130			
Ethylbenzene	2720	50	"	754	2100	82	75-135			
Methyl tert-butyl ether	3710	50	"	702	2300	201	65-125			LM
Toluene	4960	50	"	3720	1000	106	85-120			
Xylenes (total)	13900	50	"	4120	10000	95	85-125			
Gasoline Range Organics (C4-C12)	83800	5000	"	44000	40000	100	60-140			
Surrogate: 1,2-Dichloroethane-d4	*3.06*		"	*2.50*		*122*	*60-135*			
Matrix Spike Dup (5K29005-MSD1)	**Source: MOK0884-03**			Prepared & Analyzed: 11/29/05						
tert-Amyl methyl ether	1710	50	ug/l	1500	19	113	80-115	2	15	
Benzene	4210	50	"	516	3500	138	65-115	3	20	BB,LM
tert-Butyl alcohol	16200	2000	"	14300	700	108	75-120	8	25	
Di-isopropyl ether	1860	50	"	1510	ND	123	75-125	9	15	
1,2-Dibromoethane (EDB)	1700	50	"	1490	ND	114	85-120	0.6	15	
1,2-Dichloroethane	1840	50	"	1470	ND	125	85-130	14	20	
Ethanol	19200	10000	"	14200	ND	135	70-135	49	35	IC, RB
Ethyl tert-butyl ether	1600	50	"	1500	ND	107	75-130	2	25	
Ethylbenzene	2850	50	"	754	2100	99	75-135	5	15	
Methyl tert-butyl ether	3290	50	"	702	2300	141	65-125	12	20	LM
Toluene	5290	50	"	3720	1000	115	85-120	6	20	
Xylenes (total)	14100	50	"	4120	10000	100	85-125	1	20	
Gasoline Range Organics (C4-C12)	85400	5000	"	44000	40000	103	60-140	2	25	
Surrogate: 1,2-Dichloroethane-d4	*2.64*		"	*2.50*		*106*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #2035, Albany, CA	MOK0896
1333 Broadway, Suite 800	Project Number:G0C26-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/02/05 11:30

Notes and Definitions

RB	RPD exceeded method control limit; % recoveries within limits.
LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
IC	Calib. verif. is within method limits but outside contract limits
HL	Analyte recovery above established limit
BB,LN	Sample > 4x spike concentration.
BB,LM	Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Page 1 of 1

Project Name: Analytical for O&M and QMR Sampling - 2035-051116-DW

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 2035 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Francisco Bay Region

Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time:	1155	Temp:	600
Off-site Time:	1515	Temp:	730
Sky Conditions:	Sunny		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: Sequoia	BP/AR Facility No.: 2035	Consultant/Contractor: URS	
Address: 885 Jarvis Drive	BP/AR Facility Address: 1001 San Pablo Ave., Albany, CA 94706	Address: 1333 Broadway, Suite 800	
Morgan Hill, CA 95037	Site Lat/Long: 37.886682416/-122.297776	Oakland, CA 94612	
Lab PM: Lisa Race/Jamshid Kekobad	California Global ID No.: T0600100081	Consultant/Contractor Project No.: 38487020	
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C26-0005	Consultant/Contractor PM: Scott Robinson	
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268	
Address: P.O. Box 6549	Phase/WBS: 03 - Operation and Maintenance	Report Type & QC Level: Level 1 with EDF	
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna_Cosper@urscorp.com	
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company	

Lab Bottle Order No: 2035

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-1	1323	11-16		X		01	3				X		X	X	X	X	MOK0896
2	MW-2	1356	"		"		02	"				"		X	X	X	X	
3	MW-3	1430	"		"		03	"				"		X	X	X	X	
4	MW-4	1407	"		"		04	"				"		X	X	X	X	
5	MW-5	1300	"		"		05	"				"		X	X	X	X	
6	MW-6	1240	"		"		06	"				"		X	X	X	X	
7	RW-1	1505	"		"		07	"				"		X	X	X	X	
8	S-S	1530	"		"		08	"				"		X	X	X	X	
9	TB-2035-111605	-	"		"		09	2				"						ON HOLD
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Dave Walker	David C. Walker	11-16-05	1710	Sample Courier	11/16/05	1710
Sampler's Company: Blaine Tech	Sample Courier	11/16/05	2029		11/17/05	1028
Shipment Date:		11/17/05	1138	E Fuhr	11/17/05	1138
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

Seals In Place Yes X No Temp Blank Yes X No Cooler Temperature on Receipt 5.2 °F (C) Trip Blank Yes X No

Distribution: White Copy - Laboratory; Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS 2035
REC. BY (PRINT): E. Fallin
WORKORDER: MOK0896

DATE REC'D AT LAB: 11/17/05
TIME REC'D AT LAB: 1138
DATE LOGGED IN: 11-20-05

For Regulatory Purposes?
DRINKING WATER YES (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*	01	A-C	MW-1	VOA (3)	HCl	—	L	11/16/05	
	02		-2						
2. Chain-of-Custody Present / Absent*	03		-3						
	04		-4						
3. Traffic Reports or Packing List: Present / Absent	05		-5						
	06		-6						
4. Airbill: Airbill / Sticker Present / Absent	07		RW-1						
	08		S-5						
5. Airbill #:	09	A-B	TB-2035-111605	(2)					
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: 5.2 °C Corrected Temp: 5.2 °C Is corrected temp 4 +/-2°C? Yes / No**									
(Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE or Problem COC									

EBF 11/17/05

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

ATTACHMENT C

HISTORICAL GROUNDWATER DATA TABLES

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-1	41.41	6.21	0.00	35.20	03-23-91	8,800	3,600	<50	62	99	--	--	--	--
MW-1	41.41	9.37	0.00	32.04	05-23-91	4,800	2,000	<20	52	<20	--	--	--	--
MW-1	41.41	10.30	0.00	31.11	08-21-91	780	310	<2.5	12	<2.5	14	--	--	--
MW-1	41.41	12.25	0.00	29.16	11-08-91	58	14	<0.5	<0.5	<0.5	--	--	--	--
MW-1	41.41	9.08	0.00	32.33	02-26-92	2,700	930	12	18	32	51	--	--	--
MW-1	41.41	9.11	0.00	32.30	04-21-92	2,700	1,000	<10	22	<10	<60	--	--	--
MW-1	41.41	10.37	0.00	31.04	08-14-92	300	52	<0.5	0.9	<0.5	22	--	--	--
MW-1	41.41	8.79	0.00	32.62	12-09-92	270	63	0.7	<0.5	1	25	--	--	--
MW-1	41.41	9.80	0.00	31.61	03-26-93	1,500	610	<5	15	7	56	--	--	--
MW-1	41.41	9.65	0.00	31.76	05-21-93	110	6	<0.5	<0.5	0.7	10	--	--	--
MW-1	41.41	10.22	0.00	31.19	09-03-93	180	40	<0.5	1.2	0.5	26	--	--	--
MW-1	41.41	10.68	0.00	30.73	11-02-93	83	8	<0.5	<0.5	<0.5	13	--	--	--
MW-1	41.41	6.92	0.00	34.49	02-19-94	1,800	540	7	27	31	46	--	--	--
MW-1	41.41	9.28	0.00	32.13	05-17-94	4,500	1,300	20	57	20	<60	--	--	--
MW-1	41.41	10.05	0.00	31.36	08-20-94	530	110	<5	<5	<5	400	--	--	--
MW-1	41.41	10.42	0.00	30.99	10-19-94	66	9.1	<0.5	<0.5	<0.5	8	--	--	--
MW-1	41.41	8.10	0.00	33.31	02-15-95	1,200	390	<5	<5	6	45	--	--	--
MW-1	41.41	9.53	0.00	31.88	05-23-95	1,300	600	3	13	3	26	--	--	--
MW-1	41.41	10.03	0.00	31.38	08-23-95	180	21	1.3	<0.5	<0.5	8	--	0.55	P
MW-1	41.41	9.80	0.00	31.61	11-15-95	99	10	0.6	<0.5	<1	7	--	2.1	P
MW-1	41.41	8.82	0.00	32.59	02-01-96	400	93	1.6	3.6	3.7	19	--	1.0	P
DUP 1	--	--	--	--	05-20-96	416	88.4	<2.50	4.61	1.56	<5.00	--	--	--
MW-1	41.41	9.60	0.00	31.81	08-20-96	444	100	<2.50	4.15	<2.50	15.9	--	1.7	P
MW-1	41.41	9.50	0.00	31.91	11-05-96	73.2	17.8	<0.500	<0.500	<0.500	7.80	--	1.04	P
MW-1	41.41	9.28	0.00	32.13	05-03-97	714	392	<5.00	<5.00	<5.00	26.1	--	--	P
DUP 1	41.41	10.50	0.00	30.91	10-02-97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	0.59	P
	--	--	--	--	10-02-97	<50	<0.50	<0.50	<0.50	0.52	<2.5	--	--	--

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-2	40.38	6.96	0.00	33.42	05-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-2	40.38	10.02	0.00	30.36	05-23-91	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-2	40.38	10.87	0.00	29.51	08-21-91	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-2	40.38	13.12	0.00	27.26	11-08-91	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-2	40.38	10.25	0.00	30.13	02-26-92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-2	40.38	9.98	0.00	30.40	04-21-92	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-2	40.38	11.10	0.00	29.28	08-14-92	<50	<0.5	<0.5	<0.5	<0.5	4	--	--	--
MW-2	40.38	10.00	0.00	30.38	12-09-92	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-2	40.38	10.38	0.00	30.00	03-26-93	<50	<0.5	<0.5	<0.5	<0.5	12	--	--	--
MW-2	40.38	10.65	0.00	29.73	05-21-93	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-2	40.38	10.87	0.00	29.51	09-03-93	<50	<0.5	<0.5	<0.5	<0.5	19	--	--	--
MW-2	40.38	11.25	0.00	29.13	11-02-93	<50	<0.5	<0.5	<0.5	<0.5	18	--	--	--
MW-2	40.38	7.69	0.00	32.69	02-19-94	<50	0.5	<0.5	<0.5	<0.5	12	--	--	--
MW-2	40.38	9.88	0.00	30.50	05-17-94	<50	<0.5	<0.5	<0.5	<0.5	10	--	--	--
MW-2	40.38	10.62	0.00	29.76	08-20-94	<50	<0.5	<0.5	<0.5	<0.5	3	--	--	--
MW-2	40.38	11.00	0.00	29.38	10-19-94	<50	<0.5	<0.5	<0.5	<0.5	31	--	--	--
MW-2	40.38	9.04	0.00	31.34	02-15-95	<50	<0.5	<0.5	<0.5	<0.5	13	--	--	--
MW-2	40.38	9.90	0.00	30.48	05-23-95	<50	0.6	<0.5	<0.5	<0.5	47	--	--	--
MW-2	40.38	10.60	0.00	29.78	08-23-95	<50	<0.5	<0.5	<0.5	<0.5	20	--	0.88	P
MW-2	40.38	10.45	0.00	29.93	11-15-95	<50	<0.5	<0.5	<0.5	<1	<3	--	2.5	P
MW-2	40.38	9.49	0.00	30.89	02-01-96	<50	<0.5	<0.5	<0.5	<1	59	--	1.0	P
MW-2	40.38	10.30	0.00	30.08	06-20-96	<50.0	<0.500	<0.500	<0.500	<0.500	4.17	--	1.5	P
MW-2	40.38	10.19	0.00	30.19	11-05-96	<50.0	<0.500	<0.500	<0.500	<0.500	30.6	--	1.27	P
DUP	--	--	--	--	05-03-97	<50.0	<0.500	<0.500	<0.500	<0.500	32.7	--	--	P
MW-2	40.38	10.97	0.00	29.41	05-03-97	<50.0	<0.500	<0.500	<0.500	1.18	31.5	--	--	--
					10-02-97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	0.63	P

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-3	41.44	7.29	0.00	34.15	03-23-91	51	0.8	<0.5	2.4	<0.5	--	--	--	--
MW-3	41.44	9.53	0.00	31.91	05-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-3	41.44	11.19	0.00	30.25	08-21-91	<50	<0.5	<0.5	<0.5	<0.5	79	--	--	--
MW-3	41.44	12.77	0.00	28.67	11-08-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-3	41.44	9.41	0.00	32.03	02-26-92	120	3.6	<0.5	2.2	3.7	90	--	--	--
MW-3	41.44	9.63	0.00	31.81	04-21-92	<50	<0.5	<0.5	<0.5	<0.5	90	--	--	--
MW-3	41.44	11.12	0.00	30.32	08-14-92	<50	<0.5	<0.5	<0.5	<0.5	54	--	--	--
MW-3	41.44	10.34	0.00	31.10	12-09-92	71	<0.5	<0.5	<0.5	<0.5	130	--	--	--
MW-3	41.44	10.28	0.00	31.16	03-26-93	<100	<1	<1	<1	<1	170	--	--	--
MW-3	41.44	10.40	0.00	31.04	05-21-93	<100	<1	<1	<1	<1	95	--	--	--
MW-3	41.44	10.75	0.00	30.69	09-03-93	<50	<0.5	<0.5	<0.5	<0.5	97	--	--	--
MW-3	41.44	11.44	0.00	30.00	11-02-93	<200	<2	<2	<2	<2	130	--	--	--
MW-3	41.44	7.48	0.00	33.96	02-19-94	<200	<2	5	<2	8	140	--	--	--
MW-3	41.44	9.87	0.00	31.57	05-17-94	<100	<1	<1	<1	<1	150	--	--	--
MW-3	41.44	10.72	0.00	30.72	08-20-94	<200	<2	<2	<2	<2	210	--	--	--
MW-3	41.44	11.30	0.00	30.14	10-19-94	<200	<2	<2	<2	<2	270	--	--	--
MW-3	41.44	8.60	0.00	32.84	02-15-95	<500	<5	<5	<5	<5	700	--	--	--
MW-3	41.44	9.87	0.00	31.57	05-23-95	<50	<0.5	<0.5	<0.5	<0.5	150	140	--	--
MW-3	41.44	10.83	0.00	30.61	08-23-95	<50	<0.5	<0.5	<0.5	<0.5	54	71	0.41	P
MW-3	41.44	10.54	0.00	30.90	11-15-95	100	<0.5	3.3	<0.5	<1	300	--	6.2	P
MW-3	41.44	5.69	0.00	35.75	02-01-96	18,000	1,000	45	1,500	940	100	--	2.12	P
MW-3	41.44	9.99	0.00	31.45	06-20-96	90.9	1.52	<0.500	<0.500	<0.500	187	--	2.6	P
MW-3	41.44	10.15	0.00	31.29	11-05-96	138	2.57	<0.500	<0.500	<0.500	216	--	0.47	P
MW-3	41.44	10.17	0.00	31.27	05-03-97	316	15.7	1.14	<0.500	<0.500	178	--	--	P
MW-3	41.44	10.99	0.00	30.45	10-02-97	120	<0.50	<0.50	<0.50	<0.50	120	--	0.47	P

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-4	40.33	5.92	0.00	34.41	03-29-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-4	40.33	9.23	0.00	31.10	05-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-4	40.33	10.61	0.00	29.72	08-21-91	<50	<0.5	<0.5	<0.5	<0.5	99	--	--	--
MW-4	40.33	11.97	0.00	28.36	11-08-91	<50	<0.5	<0.5	<0.5	<0.5	--	89	--	--
MW-4	40.33	8.84	0.00	31.49	02-26-92	<50	0.8	<0.5	<0.5	<0.5	<3	--	--	--
MW-4	40.33	9.15	0.00	31.18	04-21-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-4	40.33	10.35	0.00	29.98	08-14-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-4	40.33	8.70	0.00	31.63	12-09-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-4	40.33	9.75	0.00	30.58	03-26-93	<5,000	<50	<50	<50	<50	4,200	--	--	--
MW-4	40.33	9.91	0.00	30.42	05-21-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-4	40.33	10.25	0.00	30.08	09-03-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-4	40.33	10.79	0.00	29.54	11-02-93	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-4	40.33	6.78	0.00	33.55	02-10-94	<3,000	<20	<20	<20	<20	3,300	--	--	--
MW-4	40.33	9.26	0.00	31.07	05-17-94	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-4	40.33	10.10	0.00	30.23	08-20-94	<50	<0.5	<0.5	<0.5	<0.5	9	--	--	--
MW-4	40.33	10.43	0.00	29.90	10-19-94	<50	<0.5	<0.5	<0.5	<0.5	17	--	--	--
MW-4	40.33	8.56	0.00	31.77	02-15-95	<500	<5	<5	<5	<5	400	--	--	--
MW-4	40.33	9.52	0.00	30.81	05-23-95	<50	<0.5	<0.5	<0.5	<0.5	10	7.6	--	--
MW-4	40.33	9.99	0.00	30.34	08-23-95	<2,500	<25	<25	<25	<25	1,200	1,300	0.84	NP
MW-4	40.33	9.80	0.00	30.53	11-15-95	<50	<0.5	<0.5	<0.5	<1	<3	--	0.0	NP
MW-4	40.33	9.11	0.00	31.22	02-01-96	<50	<0.5	<0.5	<0.5	<1	1,200	--	1.0	NP
MW-4	40.33	9.60	0.00	30.73	06-20-96	<50.0	<0.500	<0.500	<0.500	<0.500	69.5	--	1.3	NP
MW-4	40.33	9.53	0.00	30.80	11-05-96	<50.0	<0.500	<0.500	<0.500	<0.500	14.0	--	0.71	NP
MW-4	40.33	9.21	0.00	31.12	05-03-97	<50.0	<0.500	<0.500	<0.500	<0.500	83.6	--	--	NP
MW-4	40.33	10.74	0.00	29.59	10-02-97	<50	<0.50	<0.50	<0.50	<0.50	268	--	0.59	NP

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-5	41.84	6.23	0.00	35.61	03-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-5	41.84	9.61	0.00	32.23	05-23-91	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	11.12	0.00	30.72	08-21-91	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	12.52	0.00	29.32	11-08-91	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	9.52	0.00	32.32	02-26-92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-5	41.84	9.44	0.00	32.40	04-21-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	10.83	0.00	31.01	08-14-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	9.20	0.00	32.64	12-09-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	10.10	0.00	31.74	03-26-93	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-5	41.84	10.28	0.00	31.56	05-21-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	10.73	0.00	31.11	09-03-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	11.23	0.00	30.61	11-02-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	6.67	0.00	35.17	02-19-94	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-5	41.84	9.61	0.00	32.23	05-17-94	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	10.58	0.00	31.26	08-20-94	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	10.66	0.00	31.18	10-19-94	Not sampled: well sampled annually, during the first quarter							--	--
MW-5	41.84	8.35	0.00	33.49	02-15-95	Not sampled							--	--
MW-5	41.84	9.95	0.00	31.89	05-23-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-5	41.84	10.51	0.00	31.33	08-23-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.79	NP
MW-5	41.84	10.37	0.00	31.47	11-15-95	Not sampled: well sampled annually, during the second quarter							--	--
MW-5	41.84	9.35	0.00	32.49	02-01-96	<50	<0.5	<0.5	<0.5	<1	<3	--	1.0	NP
MW-5	41.84	10.03	0.00	31.81	06-20-96	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	3.1	NP
MW-5	41.84	9.89	0.00	31.95	11-05-96	Not sampled: well sampled annually, during the second quarter							--	--
MW-5	41.84	9.42	0.00	32.42	05-03-97	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	NP
MW-5	41.84	10.55	0.00	31.29	10-02-97	Not sampled: well sampled annually, during the second quarter							--	--

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-6	40.13	9.03	0.00	31.10	03-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-6	40.13	12.45	0.00	27.68	05-23-91	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	13.32	0.00	26.81	08-21-91	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	14.13	0.00	26.00	11-08-91	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	11.86	0.00	28.27	02-26-92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-6	40.13	12.35	0.00	27.78	04-21-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	13.18	0.00	26.95	08-14-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	11.94	0.00	28.19	12-09-92	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	13.10	0.00	27.03	03-26-93	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-6	40.13	13.00	0.00	27.13	05-21-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	13.30	0.00	26.83	09-03-93	Not sampled: well sampled annually, during the first quarter							--	--
MW-6	40.13	13.42	0.00	26.71	11-02-93	<50	<0.5	<0.5	<0.5	<0.5	19	--	--	--
MW-6	40.13	10.57	0.00	29.56	02-19-94	<100	<1	<1	<1	<1	95	--	--	--
MW-6	40.13	12.64	0.00	27.49	05-17-94	<100	<1	<1	<1	<1	180	--	--	--
MW-6	40.13	13.13	0.00	27.00	08-20-94	<100	<1	<1	<1	<1	180	--	--	--
MW-6	40.13	13.48	0.00	26.65	10-19-94	<100	<1	<1	<1	<1	180	--	--	--
MW-6	40.13	11.92	0.00	28.21	02-15-95	<200	<2	<2	<2	<2	200	--	--	--
MW-6	40.13	12.80	0.00	27.33	05-23-95	<50	<0.5	<0.5	<0.5	<0.5	120	--	--	--
MW-6	40.13	13.03	0.00	27.10	08-23-95	<50	<0.5	<0.5	<0.5	<0.5	44	--	0.46	NP
MW-6	40.13	12.70	0.00	27.43	11-15-95	<50	<0.5	<0.5	<0.5	<1	17	17	0.0	NP
MW-6	40.13	8.61	0.00	31.52	02-01-96	<50	<0.5	<0.5	<0.5	<1	6	--	1.0	NP
MW-6	40.13	12.88	0.00	27.25	06-20-96	<50.0	<0.500	<0.500	<0.500	<0.500	2.57	--	2.8	NP
MW-6	40.13	12.74	0.00	27.39	11-05-96	<50.0	<0.500	<0.500	<0.500	<0.500	3.77	--	1.51	NP
DUP	--	--	--	--	11-05-96	<50.0	<0.500	<0.500	<0.500	<0.500	4.03	--	--	--
MW-6	40.13	11.29	0.00	28.84	05-03-97	<50.0	<0.500	<0.500	<0.500	<0.500	10.5	12.3	--	NP
MW-6	40.13	11.35	0.00	28.78	10-02-97	<50	<0.50	<0.50	<0.50	<0.50	5.8	4.8	0.61	NP

Table 1
Groundwater Monitoring Data

ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
RW-1	40.33	9.32	0.01	31.02	05-23-91	11,000	560	660	150	1,700	--	--	--	--
RW-1	40.33	9.75	0.03	30.60	05-23-91	Not sampled: well contained floating product							--	--
RW-1	40.33	10.86	0.02	29.48	08-21-91	Not sampled: well contained floating product							--	--
RW-1	40.33	20.61	0.00	19.72	11-08-91	1,600	79	46	13	240	--	--	--	--
RW-1	40.33	16.56	0.00	23.77	02-26-92	210	44	7.5	2.5	24	29	--	--	--
RW-1	40.33	9.65	0.00	30.68	04-21-92	36,000	7,400	3,700	580	3,480	<300	--	--	--
RW-1	40.33	10.60	0.00	29.73	08-14-92	1,800	31	38	15	150	<30	--	--	--
RW-1	40.33	8.72	0.00	31.61	12-09-92	25,000	1,900	1,000	330	3,200	<300	--	--	--
RW-1	40.33	10.33	0.00	30.00	03-26-93	7,200	1,900	59	95	240	480	--	--	--
RW-1	40.33	10.10	0.00	30.23	05-21-93	3,000	630	84	45	340	<60	--	--	--
RW-1	40.33	10.42	0.00	29.91	08-03-93	7,100	120	55	14	160	<50	--	--	--
RW-1	40.33	9.10	0.00	31.23	11-02-93	<200	14	19	3	19	140	--	--	--
RW-1	40.33	7.49	0.00	32.84	02-19-94	3,800	1,000	85	64	220	950	--	--	--
RW-1	40.33	8.90	0.00	31.43	05-17-94	<200	45	<2	2	4	220	--	--	--
RW-1	40.33	11.06	0.00	29.27	08-20-94	480	200	<2	<2	30	180	--	--	--
RW-1	40.33	11.12	0.00	29.21	10-19-94	110	36	2.9	<0.5	4.1	5	--	--	--
RW-1	40.33	7.70	0.00	32.63	02-16-95	290	61	2	2	19	94	--	--	--
RW-1	40.33	11.12	0.00	29.21	05-23-95	4,500	2,000	7	<2	180	35	--	--	--
RW-1	40.33	10.15	0.00	30.18	08-23-95	2,600	1,100	6.3	2.3	17	39	--	0.52	NP
RW-1	40.33	9.95	0.00	30.38	11-15-95	1,200	2,600	16	86	41	140	--	1.4	P
RW-1	40.33	11.88	0.00	28.45	02-01-96	11,000	980	230	200	1,400	38	--	1.0	NP
RW-1	40.33	9.83	0.00	30.50	06-20-96	899	278	<2.50	8.70	8.46	61.1	--	1.3	NP
RW-1	40.33	8.45	0.00	31.88	11-05-96	156,000	3,260	28,800	4,570	25,700	26,200	--	0.63	P
RW-1	40.33	8.57	0.00	31.76	05-08-97	244,000	8,420	56,000	5,660	36,200	23,400	11,000	--	P
RW-1	40.33	9.13	0.00	31.20	10-02-97	128,000	2,500	33,000	3,800	21,000	3,300	--	0.38	P

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1001 San Pablo Avenue, Albany, California

Well Number	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation [1] (ft-MSL)	Date Sampled	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8240/8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
S-5	--	--	--	--	05-30-97	310,000	3,000	11,000	4,000	34,000	<2,500	--	--	--
S-5	--	10.00	--	--	10-02-97	70,800	1,800	7,800	1,400	20,000	<120	--	0.25	NP

TOC: top of casing
ft-MSL: elevation in feet, relative to mean sea level
TPH: total petroleum hydrocarbons as gasoline, California DHS LUFT Method
BTEX: benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 11/16/99).
MTBE: Methyl tert-butyl ether
µg/L: micrograms per liter
mg/L: milligrams per liter
--: not analyzed or not applicable
<: denotes concentration not present at or above laboratory detection limit stated to the right.
[1] = Computed by adding correction factor to groundwater elevation. Correction factor = free product thickness times 0.73 (approximate specific gravity of gasoline).
*: EPA method 8020 prior to 11/16/99
**: For previous historical groundwater elevation and analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Program Results and Remediation System Performance Evaluation Report, ARCO Service Station 2035, Albany, California*, (EMCON, March 25, 1996).
DUP: duplicate sample

Table 3
Historical Groundwater Analytical Data
Petroleum Hydrocarbons and Their Constituents
1994 - Present*

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 07-02-04

Well Designation	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8020 µg/L	Toluene EPA 8020 µg/L	Ethylbenzene EPA 8020 µg/L	Total Xylenes EPA 8020 µg/L	MTBE EPA 8020 µg/L	MTBE EPA 8240 µg/L	Oil and Grease SM 5520B&F µg/L	Oil and Grease SM 5520C µg/L	Oil and Grease SM 5520F µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L
MW-1	01-31-90	<50	13	<0.5	0.5	0.6	--	--	--	--	--	--	--
MW-1	04-25-90	990	290	3.5	18	14	--	--	--	--	--	--	--
MW-1	07-28-90	760	280	<2.5	7.1	<2.5	--	--	--	--	--	--	--
MW-1	11-14-90	570	150	7.3	<2.5	30	--	--	--	--	--	--	--
MW-1	03-23-91	8800	3600	<50	62	99	--	--	--	--	--	--	--
MW-1	05-23-91	4800	2000	<20	52	<20	--	--	--	--	--	--	--
MW-1	08-21-91	780	310	<2.5	12	<2.5	14	--	--	--	--	--	--
MW-1	11-08-91	58	14	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-1	02-26-92	2700	930	12	18	32	51	--	--	--	--	--	--
MW-1	04-21-92	2700	1000	<10	22	<10	<50	--	--	--	--	--	--
MW-2	01-31-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	04-25-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	07-28-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	11-14-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	03-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	05-23-91	Not sampled: not scheduled for chemical analysis											
MW-2	08-21-91	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--	--
MW-2	11-08-91	Not sampled: not scheduled for chemical analysis											
MW-2	02-26-92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--	--
MW-2	04-21-92	Not sampled: not scheduled for chemical analysis											
MW-3	01-31-90	<50	1.9	<0.5	2.1	<0.5	--	--	--	<500	<500	--	--
MW-3	04-25-90	<50	1.1	<0.5	2.4	0.9	--	--	--	--	--	<500	--
MW-3	07-28-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	600	--
MW-3	11-14-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<500	--
MW-3	03-23-91	51	0.8	<0.5	2.4	<0.5	--	--	--	--	--	<500	--
MW-3	05-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	<500	--
MW-3	08-21-91	<50	<0.5	<0.5	<0.5	<0.5	79	--	--	--	--	<500	--
MW-3	11-08-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	600	--
MW-3	02-26-92	120	3.6	<0.5	2.2	3.7	90	--	--	--	--	<0.5	--
MW-3	04-21-92	<50	<0.5	<0.5	<0.5	<0.5	90	--	--	--	--	--	--
MW-4	01-31-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-4	04-25-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-4	07-28-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-4	11-14-90	220	12	19	0.9	39	--	--	--	--	--	--	--
MW-4	03-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-4	05-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-4	08-21-91	<50	<0.5	<0.5	<0.5	<0.5	99	--	--	--	--	--	--
MW-4	11-08-91	<50	<0.5	<0.5	<0.5	<0.5	--	89	--	--	--	--	--
MW-4	02-26-92	<50	0.8	<0.5	<0.5	<0.5	<3	--	--	--	--	--	--
MW-4	04-21-92	Not sampled: not scheduled for chemical analysis											
MW-5	01-31-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	04-25-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	07-28-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	11-14-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--

Table 3
Historical Groundwater Analytical Data
Petroleum Hydrocarbons and Their Constituents
1994 - Present*

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 07-02-04

Well Designation	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8020 µg/L	Toluene EPA 8020 µg/L	Ethylbenzene EPA 8020 µg/L	Total Xylenes EPA 8020 µg/L	MTBE EPA 8020 µg/L	MTBE EPA 8260 µg/L	Oil and Grease SM 5520B&F µg/L	Oil and Grease SM 5520C µg/L	Oil and Grease SM 5520F µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L
MW-5	03-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	05-28-91	Not sampled: not scheduled for chemical analysis											
MW-5	08-21-91	Not sampled: not scheduled for chemical analysis											
MW-5	11-08-91	Not sampled: not scheduled for chemical analysis											
MW-5	02-26-92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--	--
MW-5	04-21-92	Not sampled: not scheduled for chemical analysis											
MW-6	01-31-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-6	04-25-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-6	07-28-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-6	11-14-90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-6	02-23-91	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-6	05-23-91	Not sampled: not scheduled for chemical analysis											
MW-6	08-21-91	Not sampled: not scheduled for chemical analysis											
MW-6	11-08-91	Not sampled: not scheduled for chemical analysis											
MW-6	02-26-92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--	--
MW-6	04-21-92	Not sampled: not scheduled for chemical analysis											
RW-1	01-31-90	Not sampled: well connected to the remediation system											
RW-1	04-25-90	Not sampled: well contained floating product											
RW-1	07-28-90	Not sampled: well contained floating product											
RW-1	11-14-90	Not sampled: well contained floating product											
RW-1	02-23-91	11000	560	660	150	1700	--	--	--	--	--	--	--
RW-1	05-23-91	Not sampled: well contained floating product											
RW-1	08-21-91	Not sampled: well contained floating product											
RW-1	11-08-91	1600	79	46	13	240	--	--	--	--	--	--	--
RW-1	02-26-92	210	44	7.5	2.5	24	29	--	--	--	--	--	--
RW-1	04-21-92	36000	7400	3700	580	3400	<300	--	--	--	--	--	--

TPHG: total petroleum hydrocarbons as gasoline, California DHS LUFT Method
µg/L: micrograms per liter
EPA: United States Environmental Protection Agency
MTBE: Methyl-tert-butyl ether
SM: standard method
TRPH: total recoverable petroleum hydrocarbons
TPHD: total petroleum hydrocarbons as diesel, California DHS LUFT Method
--: not analyzed
*: for previous historical analytical data please refer to *Fourth Quarter 1999 Groundwater Monitoring Program Results and Remediation System Performance Evaluation Report, ARCO Service Station 2035, Albany, California*, (ISMLAN, March 29, 1999).

ATTACHMENT D

JOINT MONITORING DATA

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

January 5, 2006

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Fourth Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Monitoring performed on November 16, 2005

Groundwater Monitoring Report **051116-DW-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Coordinator

MN/ks

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/13/1991	1,500	20	2.6	86	74	NA	NA	NA	NA	NA	NA	42.73	8.24	34.49	NA	NA
S-1	08/23/1991	2,900	27	<2.5	75	18	NA	NA	NA	NA	NA	NA	42.73	8.37	34.36	NA	NA
S-1	11/07/1991	2,900	8	2.5	46	26	NA	NA	NA	NA	NA	NA	42.73	8.30	34.43	NA	NA
S-1	01/28/1992	2,000	11	<2.5	60	20	NA	NA	NA	NA	NA	NA	42.73	7.84	34.89	NA	NA
S-1	05/06/1992	1,200	5.5	<2.5	80	36	NA	NA	NA	NA	NA	NA	42.73	7.95	34.78	NA	NA
S-1	08/26/1992	2,000	9.4	<2.5	130	<2.5	NA	NA	NA	NA	NA	NA	42.73	8.24	34.49	NA	NA
S-1	10/28/1992	1,300	27	3.2	72	13	NA	NA	NA	NA	NA	NA	42.73	8.52	34.21	NA	NA
S-1	01/19/1993	1,500	13	3	29	31	NA	NA	NA	NA	NA	NA	42.73	6.54	36.19	NA	NA
S-1	04/29/1993	2,000	15	<2.5	82	<65	NA	NA	NA	NA	NA	NA	42.73	7.93	34.80	NA	NA
S-1	07/22/1993	620	1.1	4.2	3.5	13	NA	NA	NA	NA	NA	NA	42.73	8.09	34.64	NA	NA
S-1	10/21/1993	1,200	34	25	15	9.5	NA	NA	NA	NA	NA	NA	42.73	9.43	33.30	NA	NA
S-1	01/04/1994	860	<2.5	<2.5	5.7	5.3	NA	NA	NA	NA	NA	NA	42.73	8.25	34.48	NA	NA
S-1	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.02	34.71	NA	NA
S-1	07/25/1994	1,200	8.3	7.4	15	20	NA	NA	NA	NA	NA	NA	42.73	8.22	34.51	NA	NA
S-1	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.29	34.44	NA	NA
S-1	01/26/1995	1,000	12	0.6	12	420	NA	NA	NA	NA	NA	NA	42.73	6.88	35.85	NA	NA
S-1	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.65	35.08	NA	NA
S-1	07/28/1995	660	7.2	1	11	8.9	NA	NA	NA	NA	NA	NA	42.73	7.90	34.83	NA	4
S-1	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.72	35.01	NA	NA
S-1	01/10/1996	1,100	3.5	7	5.1	9.4	NA	NA	NA	NA	NA	NA	42.73	8.24	34.49	NA	7.4
S-1	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.74	34.99	NA	NA
S-1	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	42.73	7.92	34.81	NA	2.7
S-1	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.56	35.17	NA	0.6
S-1	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	42.73	7.95	34.78	NA	3
S-1	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.11	34.62	NA	0.5
S-1	08/22/1997	810	18	<2.0	5.1	4.4	18	NA	NA	NA	NA	NA	42.73	7.86	34.87	NA	3
S-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.35	34.38	NA	1.1
S-1	02/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	42.73	6.09	36.64	NA	2.9

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.69	35.04	NA	1.1
S-1	08/20/1998	390	6.7	<0.50	0.64	<0.50	14	NA	NA	NA	NA	NA	42.73	8.20	34.53	NA	1.9
S-1	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.23	34.50	NA	NA
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	42.73	7.47	35.26	NA	1.5
S-1	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.60	35.13	NA	1.3
S-1	08/24/1999	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	42.73	7.95	34.78	NA	1.4
S-1	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.87	34.86	NA	1.3
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	42.73	7.26	35.47	NA	1.4
S-1	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.13	34.60	NA	1.0
S-1	08/03/2000	209	6.42	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	42.73	8.12	34.61	NA	1.4
S-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.06	34.67	NA	1.0
S-1	02/14/2001	179	4.46	<0.500	<0.500	<0.500	8.72	NA	NA	NA	NA	NA	42.73	8.08	34.65	NA	1.1
S-1	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.05	34.68	NA	1.0
S-1	08/15/2001	270	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	42.73	8.40	34.33	NA	1.3
S-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.42	35.31	NA	0.4
S-1	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	42.73	7.60	35.13	NA	2.2
S-1	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.16	34.57	NA	0.8
S-1	07/25/2002	230	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	42.57	7.84	34.73	NA	0.9
S-1	11/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.01	34.56	NA	0.6
S-1	01/30/2003	310	<0.50	<0.50	3.6	1.6	NA	<5.0	NA	NA	NA	NA	42.57	7.56	35.01	NA	1.5
S-1	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	7.87	34.70	NA	1.6
S-1	08/08/2003	730	<0.50	<0.50	12	6.4	NA	<0.50	NA	NA	NA	NA	42.57	7.95	34.62	NA	1.3
S-1	11/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	7.90	34.67	NA	0.8
S-1	02/04/2004	220	<0.50	<0.50	1.8	1.1	NA	<0.50	NA	NA	NA	NA	42.57	7.37	35.20	NA	1.2
S-1	05/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.05	34.52	NA	1.1
S-1	08/23/2004	110 g	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	42.57	8.10	34.47	NA	0.6
S-1	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	7.84	34.73	NA	NA
S-1	02/07/2005	53 h	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	42.57	7.48	35.09	NA	0.49

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.05	34.52	NA	NA
S-1	08/04/2005	850	<0.50	<0.50	4.5	1.0	NA	<0.50	NA	NA	NA	NA	42.57	8.05	34.52	NA	0.01
S-1	**11/16/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**42.57**	**8.19**	**34.38**	**NA**	**NA**
S-2	05/13/1991	23,000	3,900	230	1,100	3,200	NA	NA	NA	NA	NA	NA	40.73	8.50	32.23	NA	NA
S-2	08/23/1991	23,000	4,400	260	1,900	2,400	NA	NA	NA	NA	NA	NA	40.73	8.80	31.93	NA	NA
S-2	11/07/1991	40,000	4,000	160	1,020	3,400	NA	NA	NA	NA	NA	NA	40.73	8.61	32.12	NA	NA
S-2	01/28/1992	22,000	1,600	70	420	1,700	NA	NA	NA	NA	NA	NA	40.73	7.80	32.93	NA	NA
S-2	05/06/1992	20,000	2,600	110	860	1,900	NA	NA	NA	NA	NA	NA	40.73	8.10	32.63	NA	NA
S-2	08/26/1992	42,000	5,000	160	1,100	3,500	NA	NA	NA	NA	NA	NA	40.73	8.37	32.36	NA	NA
S-2	10/28/1992	34,000	4,800	330	1,600	2,900	NA	NA	NA	NA	NA	NA	40.73	8.64	32.09	NA	NA
S-2	01/19/1993	20,000	2,300	370	660	1,300	NA	NA	NA	NA	NA	NA	40.73	5.82	34.91	NA	NA
S-2	04/29/1993	40,000	2,000	67	900	1,900	NA	NA	NA	NA	NA	NA	40.73	7.70	33.03	NA	NA
S-2	07/22/1993	22,000	3,000	120	1,000	1,600	NA	NA	NA	NA	NA	NA	40.73	8.38	32.35	NA	NA
S-2 (D)	07/22/1993	17,000	3,000	110	1,000	1,500	NA	NA	NA	NA	NA	NA	40.73	8.38	32.35	NA	NA
S-2	10/21/1993	14,000	2,800	74	870	1,100	NA	NA	NA	NA	NA	NA	40.73	8.58	32.15	NA	NA
S-2 (D)	10/21/1993	13,000	3,200	53	960	820	NA	NA	NA	NA	NA	NA	40.73	8.58	32.15	NA	NA
S-2	01/04/1994	21,000	2,100	67	990	770	NA	NA	NA	NA	NA	NA	40.73	7.70	33.03	NA	NA
S-2 (D)	01/04/1994	22,000	2,000	64	910	750	NA	NA	NA	NA	NA	NA	40.73	7.70	33.03	NA	NA
S-2	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.62	33.11	NA	NA
S-2	07/25/1994	43,000	2,600	490	990	1,300	NA	NA	NA	NA	NA	NA	40.73	7.86	32.87	NA	NA
S-2	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.12	32.61	NA	NA
S-2	01/26/1995	21,000	790	12	290	570	NA	NA	NA	NA	NA	NA	40.73	6.38	34.35	NA	5.5
S-2	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.01	33.72	NA	NA
S-2	07/28/1995	14,000	2,400	360	960	370	NA	NA	NA	NA	NA	NA	40.73	7.82	32.91	NA	4
S-2	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.57	33.16	NA	NA
S-2	01/10/1996	17,000	1,400	<50	480	170	NA	NA	NA	NA	NA	NA	40.73	8.13	32.60	NA	7.2
S-2	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.72	33.01	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	07/23/1996	16,000	2,700	69	1,100	110	9,500	NA	NA	NA	NA	NA	40.73	8.10	32.63	NA	2.2
S-2 (D)	07/23/1996	11,000	2,600	68	1,000	96	10,000	11,000	NA	NA	NA	NA	40.73	8.10	32.63	NA	2.2
S-2	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.57	32.16	NA	0.5
S-2	02/20/1997	10,000	500	<10	90	130	6,400	NA	NA	NA	NA	NA	40.73	8.15	32.58	NA	4
S-2	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.79	31.94	NA	1.1
S-2	08/22/1997	23,000	1,300	65	740	290	4,500	NA	NA	NA	NA	NA	40.73	8.05	32.68	NA	3.2
S-2 (D)	08/22/1997	20,000	1,200	<100	630	250	3,900	NA	NA	NA	NA	NA	40.73	8.05	32.68	NA	3.2
S-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.75	31.98	NA	1.2
S-2	02/20/1998	450	28	1.3	7.4	12	35	NA	NA	NA	NA	NA	40.73	6.34	34.39	NA	0.4
S-2	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.95	32.78	NA	0.8
S-2	08/20/1998	22,000	290	44	420	410	7,300	NA	NA	NA	NA	NA	40.73	7.73	33.00	NA	1.9
S-2	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.47	32.26	NA	NA
S-2	02/16/1999	27,000	200	<200	770	840	5,400	NA	NA	NA	NA	NA	40.73	7.24	33.49	NA	1.4
S-2	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.82	32.91	NA	1.3
S-2	08/24/1999	13,400	196	<25.0	439	113	597	NA	NA	NA	NA	NA	40.73	8.61	32.12	NA	1.2
S-2	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.17	32.56	NA	1.1
S-2	02/02/2000	7,850	176	88.0	134	111	540	NA	NA	NA	NA	NA	40.73	7.57	33.16	NA	1.2
S-2	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.94	32.79	NA	1.3
S-2	08/03/2000	35,000	255	122	842	224	905	726e	NA	NA	NA	NA	40.73	8.07	32.66	NA	1.1
S-2	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.13	32.60	NA	1.3
S-2	02/14/2001	13,000	147	<25.0	309	54.4	581	NA	NA	NA	NA	NA	40.73	6.39	34.34	NA	1.4
S-2	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.21	33.52	NA	1.5
S-2	08/15/2001	15,000	67	4.1	220	33	NA	440	NA	NA	NA	NA	40.73	8.27	32.46	NA	0.6
S-2	12/31/2001	NA	NA	NA	NA	NA	NA	270	NA	NA	NA	NA	40.73	6.07	34.66	NA	0.2
S-2	02/06/2002	15,000	53	2.8	120	31	NA	220	NA	NA	NA	NA	40.73	7.98	32.75	NA	1.8
S-2	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	6.70	34.03	NA	0.2
S-2	07/25/2002	9,000	75	4.0	180	24	NA	460	NA	NA	NA	NA	40.63	7.67	32.96	NA	0.9
S-2	11/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.63	7.84	32.79	NA	0.7

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	01/30/2003	15,000	26	<2.5	92	22	NA	210	NA	NA	NA	NA	40.63	7.29	33.34	NA	15.6
S-2	06/03/2003	17,000	<25	<25	130	<50	NA	290	NA	NA	NA	NA	40.63	7.87	32.76	NA	5.4
S-2	08/08/2003	4,500	<2.5	<2.5	9.4	<5.0	NA	140	NA	NA	NA	NA	40.63	8.18	32.45	NA	16.2
S-2	11/13/2003	10,000	18	<10	47	21	NA	180	NA	NA	NA	NA	40.63	7.98	32.65	NA	19.5
S-2	02/04/2004	5,700	54	<10	54	<20	NA	270	NA	NA	NA	NA	40.63	7.21	33.42	NA	>15
S-2	05/12/2004	8,200	18	<10	<10	<20	NA	250	NA	NA	NA	NA	40.63	8.07	32.56	NA	3.1
S-2	08/23/2004	4,100	<10	<10	<10	<20	NA	84	<40	<40	<40	<100	40.63	8.52	32.11	NA	10.7
S-2	12/01/2004	2,000	3.4	<2.5	6.2	<5.0	NA	77	NA	NA	NA	NA	40.63	8.70	31.93	NA	11.8
S-2	02/07/2005	7,400	32	1.6	29	3.1	NA	210	NA	NA	NA	NA	40.63	7.58	33.05	NA	0.11
S-2	05/02/2005	8,100	84	4.9	83	5.5	NA	320	NA	NA	NA	NA	40.63	7.45	33.18	NA	0.6
S-2	08/04/2005	4,900	48	2.1	19	2.8	NA	330	<4.0	<4.0	<4.0	55	40.63	7.90	32.73	NA	0.4
S-2	**11/16/2005**	**13,700**	**43.8**	**2.79**	**25.1**	**5.92**	**NA**	**156**	**NA**	**NA**	**NA**	**NA**	**40.63**	**8.33**	**32.30**	**NA**	**0.5**
S-3	05/13/1991	3,300	30	3.6	26	13	NA	NA	NA	NA	NA	NA	41.46	7.90	33.56	NA	NA
S-3	08/23/1991	2,000	25	4	9.3	4.5	NA	NA	NA	NA	NA	NA	41.46	8.14	33.32	NA	NA
S-3	11/07/1991	4,000	20	3.9	5	4.9	NA	NA	NA	NA	NA	NA	41.46	7.91	33.55	NA	NA
S-3	01/28/1992	2,100	21	7.6	6.7	15	NA	NA	NA	NA	NA	NA	41.46	7.53	33.93	NA	NA
S-3 (D)	01/28/1992	2,100	18	6.1	7.1	14	NA	NA	NA	NA	NA	NA	41.46	7.53	33.93	NA	NA
S-3	05/06/1992	6,600	38	51	45	65	NA	NA	NA	NA	NA	NA	41.46	7.55	33.91	NA	NA
S-3	08/26/1992	5,800	18	12	29	60	NA	NA	NA	NA	NA	NA	41.46	7.53	33.93	NA	NA
S-3	10/28/1992	3,000	55	11	16	32	NA	NA	NA	NA	NA	NA	41.46	7.95	33.51	NA	NA
S-3	01/19/1993	3,100	<5	5.1	11	16	NA	NA	NA	NA	NA	NA	41.46	6.12	35.34	NA	NA
S-3	04/29/1993	3,000	31	22	<5	14	NA	NA	NA	NA	NA	NA	41.46	7.27	34.19	NA	NA
S-3	07/22/1993	2,600	3.1	43	23	53	NA	NA	NA	NA	NA	NA	41.46	7.62	33.84	NA	NA
S-3	10/21/1993	2,500	73	14	16	32	NA	NA	NA	NA	NA	NA	41.46	7.81	33.65	NA	NA
S-3	01/04/1994	4,800	13	21	<12.5	33	NA	NA	NA	NA	NA	NA	41.46	7.49	33.97	NA	NA
S-3	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.32	34.14	NA	NA
S-3	07/25/1994	2,600	6.1	4	3.8	12	NA	NA	NA	NA	NA	NA	41.46	7.66	33.80	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.49	33.97	NA	NA
S-3	01/26/1995	3,600	30	6.8	5.6	19	NA	NA	NA	NA	NA	NA	41.46	6.50	34.96	NA	NA
S-3 (D)	01/26/1995	2,200	9.9	15	14	22	NA	NA	NA	NA	NA	NA	41.46	6.50	34.96	NA	NA
S-3	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.79	34.67	NA	NA
S-3	07/28/1995	3,700	27	9.3	20	34	NA	NA	NA	NA	NA	NA	41.46	7.28	34.18	NA	4
S-3	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	NA
S-3	01/10/1996	4,000	10	<0.5	13	28	NA	NA	NA	NA	NA	NA	41.46	7.48	33.98	NA	6.1
S-3	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.90	34.56	NA	NA
S-3	07/23/1996	2,100	20	<0.5	<0.5	<0.5	<25	NA	NA	NA	NA	NA	41.46	7.04	34.42	NA	2.1
S-3	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.96	33.50	NA	0.7
S-3	02/20/1997	3,500	83	<5.0	18	16	130	NA	NA	NA	NA	NA	41.46	7.44	34.02	NA	3
S-3 (D)	02/20/1997	3,000	69	<5.0	14	12	70	NA	NA	NA	NA	NA	41.46	7.44	34.02	NA	3
S-3	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	0.6
S-3	08/22/1997	4,700	60	12	19	21	40	NA	NA	NA	NA	NA	41.46	6.81	34.65	NA	2.9
S-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.40	34.06	NA	0.9
S-3	02/20/1998	3,400	<10	<10	14	18	85	NA	NA	NA	NA	NA	41.46	6.55	34.91	NA	0.8
S-3 (D)	02/20/1998	3,100	8.6	7.8	12	16	57	NA	NA	NA	NA	NA	41.46	6.55	34.91	NA	0.8
S-3	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.81	34.65	NA	0.7
S-3	08/20/1998	4,400	67	23	9.8	22	240	NA	NA	NA	NA	NA	41.46	6.98	34.48	NA	2.2
S-3	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.96	34.50	NA	NA
S-3	02/16/1999	2,000	6.9	6.2	3.7	4.8	47	NA	NA	NA	NA	NA	41.46	6.93	34.53	NA	2.0
S-3	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	1.8
S-3	08/24/1999	4,170	54.8	14.2	6.65	13.7	43.4	NA	NA	NA	NA	NA	41.46	9.05	32.41	NA	1.9
S-3	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.09	34.37	NA	1.6
S-3	02/02/2000	2,410	133	112	24.9	104	46.0	NA	NA	NA	NA	NA	41.46	6.59	34.87	NA	1.9
S-3	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	1.9
S-3	08/03/2000	3,890	17.2	21.9	<10.0	<10.0	166	NA	NA	NA	NA	NA	41.46	6.82	34.64	NA	1.8
S-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.98	34.48	NA	1.6

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	02/14/2001	2,800	35.8	5.57	3.83	2.94	1,070	1,250	NA	NA	NA	NA	41.46	6.57	34.89	NA	1.1
S-3	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.72	34.74	NA	1.6
S-3	08/15/2001	2,700	2.0	0.52	<0.50	2.0	NA	140	NA	NA	NA	NA	41.46	7.44	34.02	NA	0.6
S-3	12/31/2001	2,300	<2.0	<2.0	<2.0	<2.0	NA	470	NA	NA	NA	NA	41.46	6.62	34.84	NA	0.6
S-3	02/06/2002	2,000	2.6	1.6	4.3	7.8	NA	170	NA	NA	NA	NA	41.46	7.22	34.24	NA	2.2
S-3	06/04/2002	2,400	1.0	1.1	0.54	4.5	NA	120	NA	NA	NA	NA	41.46	7.34	34.12	NA	0.5
S-3	07/25/2002	3,100	0.86	<0.50	<0.50	2.0	NA	92	NA	NA	NA	NA	41.37	6.98	34.39	NA	1.0
S-3	11/27/2002	2,600	2.0	0.55	<0.50	2.1	NA	44	NA	NA	NA	NA	41.37	7.62	33.75	NA	0.7
S-3	01/30/2003	1,200	2.1	1.3	1.6	3.4	NA	42	NA	NA	NA	NA	41.37	7.14	34.23	NA	13.6
S-3	06/03/2003	2,700	2.9	<0.50	0.50	2.8	NA	43	NA	NA	NA	NA	41.37	7.25	34.12	NA	1.7
S-3	08/08/2003	1,400	2.4	0.71	<0.50	2.2	NA	32	NA	NA	NA	NA	41.37	7.67	33.70	NA	>20
S-3	11/13/2003	5,200	5.1	2.4	<1.0	5.6	NA	69	NA	NA	NA	NA	41.37	7.56	33.81	NA	19.6
S-3	02/04/2004	2,800	1.9	<1.0	1.0	2.6	NA	20	NA	NA	NA	NA	41.37	7.12	34.25	NA	>15
S-3	05/12/2004	1,900	2.8	<1.0	<1.0	2.2	NA	9.7	NA	NA	NA	NA	41.37	7.94	33.43	NA	4.0
S-3	08/23/2004	1,400	7.6	1.1	<1.0	2.9	NA	13	<4.0	<4.0	<4.0	<10	41.37	8.09	33.28	NA	13.3
S-3	12/01/2004	950	1.9	<1.0	<1.0	<2.0	NA	5.6	NA	NA	NA	NA	41.37	8.21	33.16	NA	13.0
S-3	02/07/2005	1,800	1.4	<1.0	<1.0	2.1	NA	9.9	NA	NA	NA	NA	41.37	7.69	33.68	NA	0.25
S-3	05/02/2005	4,000	2.3	1.1	1.6	3.0	NA	9.9	NA	NA	NA	NA	41.37	7.20	34.17	NA	0.5
S-3	08/04/2005	3,600	2.1	<1.0	<2.0	3.6	NA	8.5	<4.0	<4.0	<4.0	33	41.37	8.14	33.23	NA	0.2
S-3	**11/16/2005**	**6,000**	**2.24**	**0.800**	**0.660**	**3.35**	**NA**	**3.83**	**NA**	**NA**	**NA**	**NA**	**41.37**	**8.39**	**32.98**	**NA**	**0.6**
S-4	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.44	33.66	NA	NA
S-4	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.32	32.78	NA	NA
S-4	11/07/1991	260	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.32	32.78	NA	NA
S-4	01/28/1992	110c	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.40	33.70	NA	NA
S-4	05/06/1992	54	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.21	33.89	NA	NA
S-4	08/26/1992	67	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.13	32.97	NA	NA
S-4	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.73	32.37	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-4	01/19/1993	86	1.2	0.7	2.7	15	NA	NA	NA	NA	NA	NA	41.10	5.86	35.24	NA	NA
S-4	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.02	34.08	NA	NA
S-4 (D)	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.02	34.08	NA	NA
S-4	07/22/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.76	33.34	NA	NA
S-4	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.53	32.57	NA	NA
S-4	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.92	33.18	NA	NA
S-4	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.71	33.39	NA	NA
S-4	07/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.82	33.28	NA	NA
S-4	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	8.15	32.95	NA	NA
S-4	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	5.73	35.37	NA	NA
S-4	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	6.26	34.84	NA	NA
S-4	07/28/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.80	33.30	NA	NA
S-4	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	8.45	32.65	NA	NA
S-4	01/10/1996	<50	1	2.8	<0.5	2.1	NA	NA	NA	NA	NA	NA	41.10	8.26	32.84	NA	2.8
S-4	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.14	33.96	NA	NA
S-4	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	41.10	8.18	32.92	NA	3.8
S-4	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.04	34.06	NA	3.9
S-4	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	NA	NA	NA	NA	NA	41.10	7.07	34.03	NA	5
S-4	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	6.63	34.47	NA	0.8
S-4	08/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	3.7
S-4	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	8.26	32.84	NA	1.3
S-4	02/20/1998	130	6.9	4.6	5.2	17	2.8	NA	NA	NA	NA	NA	41.10	5.57	35.53	NA	1.8
S-4	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.13	33.97	NA	1.4
S-4	08/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.77	33.33	NA	4.0
S-4	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.85	33.25	NA	NA
S-4	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	23	NA	NA	NA	NA	NA	41.10	6.51	34.59	NA	3.6
S-4	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.00	34.10	NA	3.2
S-4	08/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	9.13	31.97	NA	1.9

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-4	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.79	33.31	NA	1.7
S-4	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	41.10	7.19	33.91	NA	1.9
S-4	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.51	33.59	NA	1.8
S-4	08/03/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.83	33.27	NA	1.9
S-4	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	1.5
S-4	02/14/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	41.10	6.20	34.90	NA	1.6
S-4	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	6.56	34.54	NA	1.6
S-4	08/15/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.90	33.20	NA	0.6
S-4	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	5.62	35.48	NA	2.7
S-4	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	41.10	7.29	33.81	NA	0.2
S-4	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.45	33.65	NA	0.6
S-4	07/25/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.39	33.65	NA	0.8
S-4	11/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.60	33.44	NA	NA
S-4	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	41.04	8.45	32.59	NA	NA
S-4	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	6.82	34.22	NA	NA
S-4	08/08/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.36	33.68	NA	NA
S-4	11/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.56	33.48	NA	NA
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	41.04	6.47	34.57	NA	NA
S-4	05/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.10	33.94	NA	NA
S-4	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.60	33.44	NA	NA
S-4	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.23	33.81	NA	NA
S-4	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	41.04	6.12	34.92	NA	NA
S-4	05/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	6.50	34.54	NA	NA
S-4	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.13	33.91	NA	NA
S-4	**11/16/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**41.04**	**7.43**	**33.61**	**NA**	**NA**
S-5	05/13/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.60	30.57	6.48	NA
S-5	08/23/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	15.14	29.25	5.50	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	15.10	29.17	5.35	NA
S-5	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.05	29.86	4.90	NA
S-5	05/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.31	30.21	5.66	NA
S-5	08/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.26	28.77	3.80	NA
S-5	10/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.22	28.82	3.81	NA
S-5	01/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.36	30.80	3.96	NA
S-5	04/29/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	31.07	0.90	NA
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.55	31.16	0.90	NA
S-5	10/21/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.23	29.34	0.73	NA
S-5	01/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.69	29.82	1.90	NA
S-5	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	29.87	1.62	NA
S-5	07/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.01	29.41	1.79	NA
S-5	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	29.38	1.80	NA
S-5	01/26/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	8.42	32.95	1.72	NA
S-5	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.03	30.90	1.17	NA
S-5	07/28/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	30.07	1.87	NA
S-5	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	13.21	27.21	0.54	NA
S-5	01/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	28.04	0.13	NA
S-5	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.68	30.33	0.03	NA
S-5	07/23/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.82	30.20	0.04	NA
S-5	12/10/1996	270,000	8,800	29,000	5,200	37,000	<2,500	NA	NA	NA	NA	NA	39.99	9.10	30.91	0.03	NA
S-5 (D)	12/10/1996	400,000	9,200	32,000	7,200	50,000	<2,500	NA	NA	NA	NA	NA	39.99	9.10	30.91	0.03	NA
S-5	02/20/1997	88,000	2,000	11,000	1,600	19,000	<500	NA	NA	NA	NA	NA	39.99	8.93	31.06	NA	5
S-5	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.07	29.94	0.02	NA
S-5	08/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.24	29.77	0.02	NA
S-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.91	29.10	0.02	NA
S-5	02/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	7.81	32.20	0.03	NA
S-5	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	30.37	0.02	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-5	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.13	29.86	NA	NA
S-6	05/13/1991	13,000	600	140	210	310	NA	NA	NA	NA	NA	NA	40.12	7.82	32.30	NA	NA
S-6	08/23/1991	9,800	480	80	120	150	NA	NA	NA	NA	NA	NA	40.12	9.58	30.54	NA	NA
S-6	11/07/1991	6,200	240	23	25	27	NA	NA	NA	NA	NA	NA	40.12	10.86	29.26	NA	NA
S-6	01/28/1992	5,600	250	15	41	36	NA	NA	NA	NA	NA	NA	40.12	8.97	31.15	NA	NA
S-6	05/06/1992	7,100	330	29	110	210	NA	NA	NA	NA	NA	NA	40.12	8.27	31.85	NA	NA
S-6	08/26/1992	13,000	240	<50	56	780	NA	NA	NA	NA	NA	NA	40.12	9.57	31.55	NA	NA
S-6	10/28/1992	10,000	470	210	67	170	NA	NA	NA	NA	NA	NA	40.12	8.90	32.22	NA	NA
S-6	01/19/1993	4,800	100	26	27	45	NA	NA	NA	NA	NA	NA	40.12	4.84	35.28	NA	NA
S-6	04/29/1993	7,000	430	20	<12.5	42	NA	NA	NA	NA	NA	NA	40.12	5.61	34.51	NA	NA
S-6	07/22/1993	5,800	260	120	65	150	NA	NA	NA	NA	NA	NA	40.12	6.56	33.56	NA	NA
S-6	10/21/1993	5,500	270	69	120	140	NA	NA	NA	NA	NA	NA	40.12	8.73	31.39	NA	NA
S-6	01/04/1994	7,100	180	58	63	62	NA	NA	NA	NA	NA	NA	40.12	7.14	32.98	NA	NA
S-6	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	7.21	32.91	NA	NA
S-6	07/25/1994	12,000	190	52	30	39	NA	NA	NA	NA	NA	NA	40.12	6.85	33.27	NA	NA
S-6 (D)	07/25/1994	7,200	170	32	31	34	NA	NA	NA	NA	NA	NA	40.12	6.85	33.27	NA	NA
S-6	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.20	33.92	NA	NA
S-6	01/26/1995	5,800	120	23	24	44	NA	NA	NA	NA	NA	NA	40.12	4.89	35.23	NA	NA
S-6	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.61	34.51	NA	NA
S-6	07/28/1995	4,400	210	23	34	60	NA	NA	NA	NA	NA	NA	40.12	5.30	34.82	NA	3
S-6 (D)	07/28/1995	6,100	230	20	38	59	NA	NA	NA	NA	NA	NA	40.12	5.30	34.82	NA	3
S-6	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	4.98	35.14	NA	NA
S-6	01/10/1996	6,800	170	87	35	105	NA	NA	NA	NA	NA	NA	40.12	5.67	34.45	NA	2.2
S-6 (D)	01/10/1996	7,800	230	120	50	210	NA	NA	NA	NA	NA	NA	40.12	5.67	34.45	NA	2.2
S-6	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.23	34.89	NA	NA
S-6	07/23/1996	2,600	170	<0.5	<0.5	8.5	<25	NA	NA	NA	NA	NA	40.12	5.40	34.72	NA	1.4
S-6	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.68	33.44	NA	0.7

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-6	02/20/1997	6,300	160	7.7	14	31	77	NA	NA	NA	NA	NA	40.12	5.70	34.42	NA	2
S-6	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.49	34.63	NA	0.9
S-6	08/22/1997	6,200	160	26	15	27	49	NA	NA	NA	NA	NA	40.12	5.71	34.41	NA	2.8
S-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.15	33.97	NA	1.4
S-6	02/20/1998	4,100	150	<10	<10	15	55	NA	NA	NA	NA	NA	40.12	5.25	34.87	NA	0.4
S-6	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.69	34.43	NA	0.4
S-6	08/20/1998	7,800	240	38	16	39	110	NA	NA	NA	NA	NA	40.12	6.04	34.08	NA	1.5
S-6 (D) b	08/20/1998	8,400	270	30	19	31	130	NA	NA	NA	NA	NA	40.12	6.04	34.08	NA	1.5
S-6	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.10	34.02	NA	NA
S-6	02/16/1999	6,000	190	19	14	20	<2.5	NA	NA	NA	NA	NA	40.12	5.84	34.28	NA	1.7
S-6	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	9.51	30.61	NA	1.9
S-6	08/24/1999	6,870	193	32.1	18.8	36.4	<25.0	NA	NA	NA	NA	NA	40.12	8.29	31.83	NA	2.7
S-6	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.93	34.19	NA	2.6
S-6	02/02/2000	2,310	164	122	28.6	133	63.1	NA	NA	NA	NA	NA	40.12	5.33	34.79	NA	2.6
S-6	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.41	33.71	NA	2.4
S-6	08/03/2000	5,600	188	27.4	<10.0	25.2	174	NA	NA	NA	NA	NA	40.12	5.84	34.28	NA	2.7
S-6	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.58	34.54	NA	2.3
S-6	02/14/2001	6,140	126	13.2	8.01	18.0	205	NA	NA	NA	NA	NA	40.12	5.50	34.62	NA	1.3
S-6	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.52	34.60	NA	1.2
S-6	08/15/2001	6,000	160	9.1	5.8	24	NA	51	NA	NA	NA	NA	40.12	6.04	34.08	NA	0.4
S-6	12/31/2001	6,900	120	12	6.6	24	NA	44	NA	NA	NA	NA	40.12	5.52	34.60	NA	0.4
S-6	02/06/2002	4,300	110	7.3	4.8	18	NA	39	NA	NA	NA	NA	40.12	6.34	33.78	NA	0.5
S-6	06/04/2002	4,300	140	8.4	4.9	22	NA	26	NA	NA	NA	NA	40.12	6.19	33.93	NA	0.4
S-6	07/25/2002	3,900	140	9.0	5.5	23	NA	31	NA	NA	NA	NA	39.92	6.05	33.87	NA	0.7
S-6	11/27/2002	5,200	160	9.6	4.9	24	NA	26	NA	NA	NA	NA	39.92	6.26	33.66	NA	NA
S-6	01/30/2003	4,700	200	9.6	5.5	25	NA	30	NA	NA	NA	NA	39.92	5.73	34.19	NA	NA
S-6	06/03/2003	3,900	160	10	<10	25	NA	30	NA	NA	NA	NA	39.92	5.52	34.40	NA	NA
S-6	08/08/2003	2,900	150	8.8	3.6	18	NA	18	NA	NA	NA	NA	39.92	6.14	33.78	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-6	11/13/2003	8,300	220	19	11	35	NA	28	NA	NA	NA	NA	39.92	5.85	34.07	NA	NA
S-6	02/04/2004	7,400	310	17	10	31	NA	30	NA	NA	NA	NA	39.92	5.51	34.41	NA	NA
S-6	05/12/2004	4,000	230	10	5.5	24	NA	21	NA	NA	NA	NA	39.92	6.10	33.82	NA	NA
S-6	08/23/2004	6,000	260	16	9.0	32	NA	19	NA	NA	NA	NA	39.92	6.38	33.54	NA	NA
S-6	12/01/2004	9,600	280	23	11	47	NA	24	NA	NA	NA	NA	39.92	6.41	33.51	NA	NA
S-6	02/07/2005	7,100	300	14	8.4	35	NA	21	NA	NA	NA	NA	39.92	5.94	33.98	NA	NA
S-6	05/02/2005	6,100	250	12	8.1	30	NA	16	NA	NA	NA	NA	39.92	5.90	34.02	NA	NA
S-6	08/04/2005	5,200	180	13	8.0	31	NA	15	NA	NA	NA	NA	39.92	6.67	33.25	NA	NA
S-6	**11/16/2005**	**9,950**	**147**	**15.3**	**9.82**	**32.3**	**NA**	**10.8**	**NA**	**NA**	**NA**	**NA**	**39.92**	**6.64**	**33.28**	**NA**	**NA**
S-7	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.56	29.54	NA	NA
S-7	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.16	28.94	NA	NA
S-7	11/07/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.48	28.62	NA	NA
S-7	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.72	29.38	NA	NA
S-7	05/06/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.34	29.76	NA	NA
S-7	08/26/1992	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.13	28.97	NA	NA
S-7	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.52	28.58	NA	NA
S-7	01/19/1993	50	1.1	0.6	1.9	9.2	NA	NA	NA	NA	NA	NA	40.10	8.68	31.42	NA	NA
S-7	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	9.90	30.20	NA	NA
S-7	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.10	29.00	NA	NA
S-7	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.40	29.70	NA	NA
S-7	04/13/1994	<50	1.4	0.61	<0.5	0.64	NA	NA	NA	NA	NA	NA	40.10	10.20	29.90	NA	NA
S-7 (D)	04/13/1994	<50	1.4	0.61	<0.5	0.66	NA	NA	NA	NA	NA	NA	40.10	10.20	29.90	NA	NA
S-7	07/25/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.48	29.62	NA	NA
S-7 a	10/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.64	29.46	NA	NA
S-7	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	7.75	32.35	NA	4.6
S-7	04/21/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	8.51	31.59	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	07/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.20	29.90	NA	3
S-7	10/31/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.86	29.24	NA	4.9
S-7	01/10/1996	<50	<0.5	2	<0.5	2.6	NA	NA	NA	NA	NA	NA	40.10	10.33	29.77	NA	7.6
S-7	04/25/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	40.10	9.13	30.97	NA	6.2
S-7	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	14	NA	NA	NA	NA	NA	40.10	10.18	29.92	NA	3.7
S-7	12/10/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	40.10	9.04	31.06	NA	4.6
S-7	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	9.60	30.50	NA	5
S-7	05/22/1997	<50	1.3	<0.50	<0.50	<0.50	5.5	NA	NA	NA	NA	NA	40.10	10.63	29.47	NA	0.8
S-7	08/22/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	10.95	29.15	NA	2.6
S-7	11/03/1997	<50	2.2	1.7	0.58	3.4	<2.5	NA	NA	NA	NA	NA	40.10	11.29	28.81	NA	2.6
S-7	02/20/1998	350	23	13	14	42	3.8	NA	NA	NA	NA	NA	40.10	7.73	32.37	NA	4.6
S-7	05/18/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	10.29	29.81	NA	4.4
S-7	08/20/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	11.00	29.10	NA	5.4
S-7	11/06/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	11.19	28.91	NA	5.2
S-7	02/16/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/28/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	40.10	9.76	30.34	NA	2.7
S-7	08/24/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.61	29.49	NA	2.1
S-7	11/16/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.68	NA	NA	NA	NA	NA	40.10	10.90	29.20	NA	2.3
S-7	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	40.10	10.30	29.80	NA	2.1
S-7	05/09/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.25	29.85	NA	2.7
S-7	08/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.65	29.45	NA	2.5
S-7	11/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.53	29.57	NA	4.6
S-7	02/14/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/31/2001	<50	<0.50	<0.50	<0.50	0.77	NA	4.6	NA	NA	NA	NA	40.10	9.46	30.64	NA	2.1
S-7	08/15/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	40.10	10.93	29.17	NA	2.0
S-7	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	6.0	NA	NA	NA	NA	40.10	9.14	30.96	NA	3.0
S-7	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	40.10	8.61	31.49	NA	3.2
S-7	06/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	40.10	10.41	29.69	NA	0.9

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	39.91	10.37	29.54	NA	1.1
S-7	11/27/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	39.91	10.52	29.39	NA	NA
S-7	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	39.91	9.38	30.53	NA	NA
S-7	06/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	0.72	NA	NA	NA	NA	39.91	10.18	29.73	NA	NA
S-7	08/08/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	10.43	29.48	NA	NA
S-7	11/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	10.39	29.52	NA	NA
S-7	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	9.17	30.74	NA	NA
S-7	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	10.20	29.71	NA	NA
S-7	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72 f	10.53	29.19	NA	NA
S-7	12/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	10.36	29.36	NA	NA
S-7	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	8.78	30.94	NA	NA
S-7	05/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	9.46	30.26	NA	NA
S-7	08/04/2005	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	**11/16/2005**	**Well paved over**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
S-8	05/10/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.52	10.85	29.67	NA	NA
S-8	05/12/2004	<1,300	<13	<13	<13	<25	NA	2,500	NA	NA	NA	NA	40.52	10.95	29.57	NA	NA
S-8	08/23/2004	1,300	15	<13	<13	<25	NA	2,500	<50	<50	<50	570	40.52	11.40	29.12	NA	NA
S-8	12/01/2004	1,400 h	<13	<13	<13	<25	NA	2,700	NA	NA	NA	NA	40.52	11.10	29.42	NA	NA
S-8	02/07/2005	6,400	240	27	290	100	NA	370	NA	NA	NA	NA	40.52	10.22	30.30	NA	NA
S-8	05/02/2005	6,300	160	25	200	74	NA	190	NA	NA	NA	NA	40.52	10.05	30.47	NA	NA
S-8	08/04/2005	2,500	130	7.5	<6.0	14	NA	290	<8.0	<8.0	<8.0	92	40.52	10.88	29.64	NA	NA
S-8	**11/16/2005**	**27,700**	**43.2**	**4.36**	**637**	**1,200**	**NA**	**638**	**NA**	**NA**	**NA**	**NA**	**40.52**	**11.28**	**29.24**	**NA**	**NA**
S-9	05/10/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.72	10.34	29.38	NA	NA
S-9	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	10.42	29.30	NA	NA
S-9	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	11.32	28.40	NA	NA
S-9	12/01/2004	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	39.72	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-9	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	8.74	30.98	NA	NA
S-9	05/02/2005	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	39.72	NA	NA	NA	NA
S-9	08/04/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	8.79	30.93	NA	NA
S-9	**11/16/2005**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**<0.500**	**NA**	**NA**	**NA**	**NA**	**39.72**	**10.30**	**29.42**	**NA**	**NA**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
mg/L = Parts per million
MSL = Mean sea level
ft. = Feet
ppm = Parts per million
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)

Notes:

a = Sample analyzed for total dissolved solids (450 mg/L).

b = Surrogate recovery outside QC limits due to matrix effect.

c = Chromatogram pattern indicated an unidentified hydrocarbon.

d = This sample analyzed outside of EPA recommended hold time.

e = Concentration is an estimate value above the linear quantitation range.

f = Top of casing elevation lowered 0.19 feet on June 22, 2004 due to wellhead maintenance.

g = Hydrocarbon reported does not match the laboratory standard.

h = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation:

Corrected ground water elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).

Ownership of well S-5 is being transferred to Arco.

Beginning July 25, 2002 depth to waters referenced to Top of Casing.

Site surveyed January 9, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-8 and S-9 surveyed May 11, 2004 by Virgil Chavez Land Surveying of Vallejo, CA.

ATTACHMENT E

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

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Submittal Date/Time:	**1/17/2006 3:49:41 PM**
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ARCO # 02035
1001 SAN PABLO AVE
ALBANY, CA 94706

Regional Board - Case #: 01-0088
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: RO0000100
ALAMEDA COUNTY LOP - **(SOS)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	8
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	N

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Electronic Submittal Information

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Confirmation Number: 9272091925
Date/Time of Submittal: 1/17/2006 3:53:19 PM
Facility Global ID: T0600100081
Facility Name: ARCO # 02035
Submittal Title: 4Q 2005 BP/ARCO 2035 EDF
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO # 02035
1001 SAN PABLO AVE
ALBANY, CA 94706

Regional Board - Case #: 01-0088
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: RO0000100
ALAMEDA COUNTY LOP - **(SOS)**

CONF #	TITLE	QUARTER
9272091925	4Q 2005 BP/ARCO 2035 EDF	Q4 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	1/17/2006	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	8
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

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SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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CONTACT SITE ADMINISTRATOR.