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April 8, 1998 Project 330-006.2L

Mrs. Albright 634 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 634 Hacienda Avenue San Lorenzo, California

Dear Mrs. Albright: \

On behalf of ARCO Products Company, Pacific Environmental Group, Inc. attempted to perform groundwater sampling of the irrigation water-supply well November 24, 1997, located at the property referenced above. The purpose of the sampling was to test for gasoline in the irrigation well water. Since permission was not granted to sample the well, no groundwater sample was collected this quarter. A table summarizing attempted sampling dates and the results are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

Table 1 Groundwater Analytical Data
Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

634 Hacienda Avenue San Lorenzo, California

		TPPH as		·	Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
634 H	09/11/91	NS	NS	NS	NS	NS	NS
	10/14/92	NS	NS	NS	NS	NS	NS
	12/21/92	NS	· NS	NS	NS	NS	NS
	03/16/93	NS	NS	NS	NS	NS	NS
	06/17/93	NS	NS	NS	NS	NS	NS
	09/15/93	NS	NS	NS	NS	NS	NS
	12/30/93	NS	NS	NS	NS	NŞ	NS
	03/29/94	NS	NS	NS	NS	NS	NS
	06/15/94	NS	NS	NS	NS	NS	NS
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	NS	NS	NS	NS	NS	NS
	03/15/95	NS	NS	NS	NS	NS	NS
	05/31/95	NS	NS	NS	NS	NS	NS
	09/14/95	NS	NS	NS	NS	NS	NS
	11/28/95	NS	NS	NS	NS	NS	NS
	03/13/96	NS	NS	NS	NS	NS	NS
	05/27/96	NS	NS	NS	NS	NS	NS
	08/29/96	NS	NS	NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	NS	NS	NS	NS	NS	NS
MADE - Maril	11/24/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive ppb = Parts per billion
NS = Permission to sample was not granted



Mr. Lester Schrag 17197 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results 17197 Via Magdalena San Lorenzo, California

Dear Mr. Schrag:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on November 24, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J Moser Senior Geologist

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and Attachment:

MtBE)

cc:

Table 1

Groundwater Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MtBE)

17197 Via Magdalena San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17197 VM	11/13/91	<30	<0.30	<0.30	<0.30	<0.30	NA
	10/14/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/15/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/16/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	12/30/93	<50	<0.50	<0.50	<0,50	< 0.50	NA
	03/30/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/15/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/31/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/27/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	08/29/96	<50	<0.50	<0.50	< 0.50	< 0.50	NA
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
144DE - 14adh	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive ppb = Parts per billion < = Denotes laboratory detection limit

NA = Not analyzed

= Not sampled



Mr. Roy Dahmann 633 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 633 Hacienda Avenue San Lorenzo, California

Dear Mr. Dahmann:

This letter presents the results of the sampling of the irrigation water-supply well located at the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc.(PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on November 24, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). Laboratory analysis of the groundwater samples collected from your well during the November sampling event detected TPPH-g at a concentration of 110 parts per billion (ppb); benzene was detected at a concentration of 2.0 ppm. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser
Senior Geologist

CEG 1293.

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and Attachment:

MtBE)

Table 1 **Groundwater Analytical Data** Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 633 Hacienda Avenue San Lorenzo, California

		TPPH as	<del></del>		Ethyl-	•	
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
633 H	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	NA
1	09/15/93	NS	NS	NS	NS	NS	NS
Ì	12/30/93	NS	NS	NS	NS	NS	NS
	03/29/94	NS	NS	NS	NS	NS	NS
	06/15/94	NS	NS	NS	NS	NS	NS
1	09/21/94	NS	NS	NS	NS	NS	NS
1	10/07/94	<50	< 0.50	<0.50	<0.50	<0.50	NA
	12/21/94	<50	< 0.50	<0.50	<0.50	<0.50	NA
	03/15/95	250	5.1	9.8	9.8	46	NA
	03/15/95(D)	<50	<0.50	<0.50	<0.50	<0.50	NA
]	05/31/95	<50	0.93	2.4	2.4	14	NA
i	09/14/95	<50	0.64	1.2	1.2	7.6	NA
	11/28/95	<50	<0.50	0.89	0.89	8.3	NA
1	03/14/96	480	10	11	11	140	NA
	05/13/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/27/96	<50	< 0.50	<0.50	<0.50	<0.50	NA
	08/29/96	<50	< 0.50	< 0.50	<0.50	<0.50	NA
	11/26/96	<50	<0.50	< 0.50	<0.50	<0.50	3.7
	12/30/96*	NA	NA	NA	NA	NA	4.9
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	<50	<0.50	< 0.50	<0.50	0.66	<2.5
L	11/24/97	110	2.0	2.1	1.0	4.2	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled

Duplicate sampledMtBE result confirmed by EPA Method 8260



Ms. Marjorie Luehrs 17348 Via Encinas San Lorenzo, California 94580

Re: Groundwater Analytical Results
17348 Via Encinas
San Lorenzo, California

Dear Ms. Luehrs:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to perform groundwater sampling to test for gasoline in water from your well on November 24, 1997. However, the well was inaccessible (blocked) and therefore not sampled. Historical groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Mosér Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

cc:

Table 1
Groundwater Analytical Data
Total Purgeable Petroleum Hydrocarbons

(TPPH as Gasoline, BTEX Compounds, and MtBE)

17348 Via Encinas San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17348 VE	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
ļ	06/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/15/93	<50	<0.50	<0.50	<0.50	<0.50	NA
1	12/30/93	NS	NS	NS	NS	NS	NS
	03/30/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/15/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	09/21/94	NS	NS	NS	NS	NS	NS.
	12/21/94	<50	<0.50	<0.50	<0.50	<0.50	, NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
ŀ	05/30/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	<0.50	<0.50	<0.50	<0.50	NA
İ	03/13/96	<50	<0.50	<0.50	<0.50	<0.50	NA.
	05/27/96	NS	NS	NS	NS	NS	NS
	08/29/96	NS	NS	NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	NS	NS	NS	NS	NS	NS
AADE - MAA	11/24/97	NS	NS	NS_	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled



Mr. M.E. Kast 17349 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results

17349 Via Magdalena San Lorenzo, California

Dear Mr. Kast:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on November 24, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). Laboratory analysis of the groundwater samples collected from your well during the November sampling event detected TPPH-g at a concentration of 240 parts per billion (ppb); benzene was detected at a concentration of less than 1 ppm. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Møser Senior Geologist

Attachment: Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

cc:

Table 1

## Groundwater Analytical Data

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

17349 Via Magdalena San Lorenzo, California

		TPPH as		· · · · · ·	Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17349 VM	09/27/91	780	13	<3.0	<3.0	<3.0	NA.
1	10/14/92	2,200	<50	<50	<50	110	NA
1	12/18/92	1,500	14	1.8	7.1	56	NA
1	03/16/93	1,100	16	4.2	1.8	1.8	NA
]	06/17/93	1,100	1.5	6.7	2.9	7.9	NA
	09/16/93	1,200	13	21	3.0	10	NA
Ī	12/30/93	NS	NS	NS	NS	NS	NS
ł	03/30/94	420	<1.0	<1.0	<1.0	5.3	NA
	06/15/94	460	<0.50	< 0.50	<0.50	1,8	NA
	09/21/94	590	1.8	<0.50	1.1	7.6	NA
	12/21/94	670	< 0.50	< 0.50	<0.50	1.8	NA
}	03/15/95	1,400	19	<5.0	7.9	48	NA
1	05/31/95	. 890	<2.0	<2.0	4.3	22	NA
	09/15/95	610	3.9	<0.50	<0.50	< 0.50	NA
	11/29/95	790	<2.5	<2.5	3.8	18	NA
	03/15/96	1,700	<2.0	<2.0	2.5	13	NA
	05/27/96	320	4.2	1.3	0.95	0.71	NA
	08/29/96	410	7.5	<0.50	<0.50	1.1	NA
	11/26/96	300	<1.0	1.7	<1.0	2.1	55
	3/31/97*	430	<1.0	2.7	<1.0	1.0	57
	8/18/97*	320	2.0	<0.50	< 0.50	<0.50	31
	09/09/97	380	6.0	1.4	0.98	<0.50	34
	11/24/97	240	<1.0	1.1	<1.0	1.4	33

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled

= MtBE result confirmed by EPA Method 8260.

Concentration data from initial sampling performed on June 25, 1997 was supect due to inadequate purging. Well was resampled on August 18, 1997 for confirmation purposes.



Mr. and Mrs. Roberts 675 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 675 Hacienda Avenue

San Lorenzo, California

Dear Mr. and Mrs. Roberts:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to collect samples on November 24, 1997, but was unable to collect samples because the well pump was non-operational. Historical groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline and BTEX Compounds, and MtBE)

Table 1 **Groundwater Analytical Data** 

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 675 Hacienda Avenue San Lorenzo, California

		TPPH as			Ethyl-		· · · · ·
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
675 H	09/11/91	NS	NS	NS	NS	NS	NS
	10/14/92	NS	NS	NS	NS	NS	NS
	12/21/92	NS	NS	NS	NS	NS	NS
	03/16/93	NS	NS	NS	NS	NS	NS
	06/17/93	NS	NS	NS	NS	NS	NS
	09/15/93	NS	NS	NS	NS	NS	NS
	12/30/93	NS	NS	NS	NS	NS	NS
	03/29/94	NS	NS	NS	NS	NS	NS
	06/15/94	NS	NS	NS	NS	NS	NS
	09/22/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/94	NS	NS	NS	NS	NS	NS
	03/15/95	NS	NS	NS	NS	NS	NS
	05/31/95	NS	NS	NS	NS	NS	NS
	09/14/95	NS	NS	NS	NS	NS	NS
	11/28/95	NS	NS	NS	NS	NS	NS
	03/13/96	NS	NS	NS	NS	NS	NS
•	05/27/96	NS	NS	NS	NS	NS	NS
	08/29/96	NS	NS	· NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/09/97	NS	NS	NS	NS	NS	NS
MADE - MAN	11/24/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion

= Denotes laboratory detection limit

Not analyzedNot sampled NA



3 ATR 10 FM 2:51

April 8, 1998 Project 330-006.2L

Mrs. Ruth W. Toles 17203 Via Magdalena San Lorenzo, California 94580 ship (

Re: Groundwater Analytical Results

17203 Via Magdalena San Lorenzo, California

Dear Mrs. Toles:

This letter presents sampling results for the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to collect samples on November 24, 1997, but was unable to collect samples because the well pump was non-operational. Historical groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

CEG 1293

Attachment: Table 1

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline and BTEX Compounds,

and MtBE)

cc: Mr. Michael Whelan, ARCO Products Company

Ms. Madhulla Logan, Alameda County Health Care Services Agency

Mr. Stephen Hill, Regional Water Quality Control Board - S.F. Bay Region



## Groundwater Analytical Data

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

17203 Via Magdalena San Lorenzo, California

		TPPH as	<del></del>		Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17203 VM	11/13/91	<30	<0.30	<0,30	<0.30	<0.30	NA
	12/21/92	<50	< 0.50	<0.50	< 0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	< 0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	< 0.50	NA
	09/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/30/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/29/94	<50	<0,50	< 0.50	<0.50	< 0.50	NA
•	06/15/94	<50	<0.50	< 0.50	<0.50	<0.50	NA
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/15/95	<50	<0,50	<0.50	<0.50	< 0.50	NΑ
	05/31/95	<50	<0.50	< 0.50	<0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	<0.50	<0.50	<0.50	< 0.50	NA
	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/27/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/09/97	NS	NS	NS	NS	NS	NS
HDE - Malle	11/24/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive.

ppb = Parts per billion

= Denotes laboratory detection limit

NA = Not analyzed

NS = Not sampled



Stip?

Mr. and Mrs. Corregedor 642 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results 642 Hacienda Avenue San Lorenzo, California

Dear Mr. and Mrs. Corregedor:

This letter presents sampling results of the irrigation water-supply well located at the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on November 24, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

cc:

Table 1 **Groundwater Analytical Data** 

Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 642 Hacienda Avenue San Lorenzo, California

		TPPH as			Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
642 H	11/13/91	<30	<0.30	<0.30	<0.30	< 0.30	NA
Į.	10/16/92	<50	<0.50	<0.50	< 0.50	<0.50	NA
ŀ	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA.
	12/30/93	NS	NS	NS	NS	NS	NS
	03/30/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/15/94	NS	NS	NS	NS	NS	NS
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	NS	NS	NS	NS	NS	NS
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/31/95	. NS	NS	NS	NS	NS	NS
	09/14/95	NS	NS	NS	NS	NS	NS
l	11/28/95	NS	NS	NS	NS	NS	NS
	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA:
	05/27/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	08/29/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	11/26/96	<50	<0.50	<0.50	<0.50	< 0.50	<2.5
	03/31/97	NS	NS	NS	NS	NS	NS
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	NS	NS	NS	NS	NS	NS
	11/24/97	<50	<0.50	<0,50	<0.50	<0.50	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion < = Denotes laboratory detection limit

NA = Not analyzed

= Not sampled



Mr. and Mrs. John Silva 590 Hacienda Avenue San Lorenzo, California 94580

Re: Groundwater Analytical Results
590 Hacienda Avenue
San Lorenzo, California

Dear Mr. and Mrs. Silva:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to perform groundwater sampling on November 24, 1997, but was unable to sample because no one was home to permit access. Historical groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

Table 1 **Groundwater Analytical Data** Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

San Lorenzo, California 94580

590 Hacienda Avenue

		TPPH as	<u> </u>		Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
590 H	11/13/91	<30	<0.30	<0.30	<0.30	<0.30	NA
	10/14/92	<50	<0.50	<0.50	<0.50	< 0.50	NA
	12/21/92	<50	<0.50	<0.50	<0,50	< 0.50	NA
	03/16/93	<50	< 0.50	<0.50	<0.50	<0.50	NA
	06/17/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/30/93	NS	NS	NS	NS	NS	NS
	03/29/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/16/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
	09/21/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	12/21/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/26/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	09/15/95	<50	<0.50	13	< 0.50	<0.50	NA
	11/29/95	NS	NS	NS	NS	NS	NS
	03/14/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
	05/29/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	08/29/96	NS	NS	NS	NS	NS	NS
	11/26/96	NS	NS	NS	NS	NS	NS
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	· <50	<0.50	<0.50	<0.50	<0.50	<2.5
MIRE - Moth	11/24/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion < = Denotes laboratory detection limit

NA = Not analyzed NS = Not sampled



Mr. Terry Johansen 17302 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results

17302 Via Magdalena San Lorenzo, California

Dear Mr. Johansen:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC attempted to collect samples on November 24, 1997, but was unable to collect samples because the well pump was non-operational. Historical groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

CEG 1293

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum

Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

MtBE)

c: Mr. Michael Whelan, ARCO Products Company

Ms. Madhulla Logan, Alameda County Health Care Services Agency

Mr. Stephen Hill, Regional Water Quality Control Board - S.F. Bay Region

## Table 1 **Groundwater Analytical Data** Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

17302 Via Magdalena San Lorenzo, California

		TPPH as			Ethyl-	<del></del>	
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17302 VM	10/21/91	72	0.64	<0.30	0.44	<0.30	NA
	12/21/92	<50	<0.50	<0.50	<0.50	<0.50	NA
	03/16/93	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/17/93	NS	NS	NS	NS	NS	NS
	09/16/93	66	<0.50	< 0.50	<0.50	< 0.50	NA
	12/30/93	<50	<0.50	<0.50	< 0.50	<0.50	NA
	03/30/94	<50	<0.50	<0.50	<0.50	<0.50	NA
	06/15/94	<50	<0.50	. <0.50	<0.50	<0.50	NA
	09/21/94	NS	NS	NS	NS	NS	NS
	12/21/94	<50	<0.50	<0.50	< 0.50	<0.50	NA
	03/15/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	05/31/95	<50	<0.50	<0.50	< 0.50	<0.50	NA
	09/14/95	<50	<0.50	<0.50	<0.50	<0.50	NA
	11/29/95	<50	< 0.50	<0.50	<0.50	< 0.50	NA
	03/15/96	<50	<0.50	<0.50	<0.50	< 0.50	NA
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	08/29/96	<50	<0.50	< 0.50	<0.50	< 0.50	NA
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	06/25/97	NS	NS	NS	NS	NS	NS
	09/09/97	NS	NS	NS	· NS	NS	NS
MADE - NAME	11/24/97	NS	NS	NS	NS	NS	NS

MtBE = Methyl tert-butyl ether, a gasoline additive

ppb = Parts per billion < = Denotes laboratory detection limit

Not analyzedNot sampled



Mr. Pimental 17372 Via Magdalena San Lorenzo, California 94580

Re: Groundwater Analytical Results

17372 Via Magdalena San Lorenzo, California

Dear Mr. Pimental:

This letter presents sampling results of the irrigation water-supply well located on the property referenced above. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in this project.

On behalf of ARCO, PACIFIC performed groundwater sampling to test for the presence of gasoline in water from your well. Groundwater samples were collected on November 24, 1997, and were submitted to the laboratory to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE). The groundwater samples collected from your well did not contain any detectable TPPH-g, BTEX compounds, or MtBE. Groundwater analytical data for your well are presented in Table 1.

Please call me at (408) 441-7500, or Ms. Madhulla Logan of the Alameda County Health Care Services Agency at (510) 567-6764 if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.

Debra J. Moser Senior Geologist

Attachment:

Table 1 - Groundwater Analytical Data - Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and

cc:

Table 1 **Groundwater Analytical Data** Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and MtBE)

> 17372 Via Magdalena San Lorenzo, California

		TPPH as	·		Ethyl-		
Well	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MtBE
Address	Sampled	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
17372 VM	09/27/91	300	5.5	<0.60	1.3	0.72	NA
	10/14/92	220	<1.0	<1.0	<1.0	<1.0	NA
	12/18/92	290	3.8	0,88	0.99	1.2	NA
	03/16/93	110	<0.50	<0.50	<0.50	<0.50	NA.
	06/17/93	140	<0.50	1.3	0.63	1.1	NΑ
	09/15/93	120	<0.50	1.1	0.62	1.2	NA
	12/30/93	<50	< 0.50	<0.50	<0.50	<0.50	NA
1	03/30/94	<50	< 0.50	<0.50	<0.50	<0.50	NA
ĺ	06/15/94	110	< 0.50	<0.50	<0.50	<0.50	NA
	09/21/94	55	<0.50	<0.50	<0.50	<0.50	NA
	12/21/94	<50	<0.50	<0.50	<0.50	< 0.50	NA
ļ	03/15/95	<50	<0.50	<0.50	<0.50	< 0.50	NA
İ	05/31/95	60	<0.50	<0.50	<0.50	< 0.50	NA
	09/14/95	<50	<0.50	< 0.50	<0.50	<0.50	NA
	11/30/95	<50	< 0.50	< 0.50	<0.50	<0.50	NA
Ī	03/14/96	<50	< 0.50	< 0.50	< 0.50	<0.50	NA
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA
	08/29/96	<50	<0.50	<0.50	< 0.50	<0.50	NA
1	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/31/97	<50	<0. <del>5</del> 0	<0.50	<0.50	<0.50	<2.5
	06/25/97	<50	< 0.50	<0.50	<0.50	<0.50	<2.5
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/24/97	<50	<0.50	<0.50	<0.50	< 0.50	<2.5

MtBE = Methyl tert-butyl ether, a gasoline additive ppb = Parts per billion < = Denotes laboratory detection limit

= Denotes laboratory detection limit

= Not analyzed