

ENVIRONMENTAL
PROTECTION

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ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

August 26, 1997

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LETTER OF TRANSMITTAL
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Distribution List

Re: Rifkin Property, Emeryville Quarterly Tables

The following items are enclosed via first class mail.

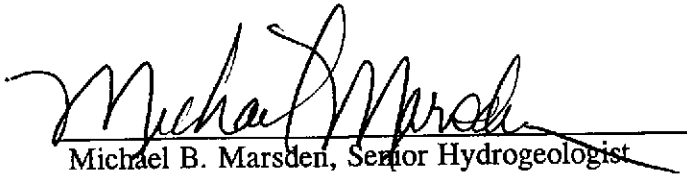
Description	No. of Copies
Tables 1 and 2 for the Rifkin Groundwater Monitoring Results for April 1 to June 30, 1997	(1 set)

The item(s) are transmitted: At your request For your action
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Comments:

The incorrect tables were inadvertently attached to your copy of the Rifkin Quarterly Groundwater Monitoring Results letter dated August 18, 1997. Please discard Tables 1, 2, 3, and 4, and replace them with the attached Tables 1 and 2. If you have any questions or comments, please contact me at (510) 652-4500, extension 553.

Sincerely,


Michael B. Marsden, Senior Hydrogeologist

Ignacio Dayrit
City of Emeryville
2200 Powell Street, 12th Floor
Emeryville, California 94608

Sue Free
The Sherwin-Williams Company
101 Prospect Avenue, N.W.
Cleveland, Ohio 44115-1075

Susan Hugo
Alameda County Health Care Agency
1131 Harbor Bay Parkway, Second Floor
Alameda, California 94502

Mark Johnson
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Tom Kalinowski
Erler & Kalinowski, Inc.
1730 South Amphlett Boulevard, Suite 320
San Mateo, California 94402-2714

Mr. Larry Mencin
The Sherwin-Williams Company
101 Prospect Avenue, N.W.
Cleveland, Ohio 44115-1075

Ric Notini
Chiron Corporation
4560 Horton Street
Emeryville, California 94608-2916

Ed Sangster
McKenna and Cuneo
Steuart Street Tower
One Market
San Francisco, California 94105

Table 1
Historical Groundwater Elevation Data
Rifkin Property, Emeryville, California

Well Number	Date	Elevation Top of Casing (msl)	Depth to Groundwater (ft bgs)	Groundwater Elevation (msl)
RP-1 ⁽¹⁾	8-Sep-94	15.12	8.65	6.47
	27-Jan-95	15.14	5.96	9.18
	17-Feb-95		7.46	7.68
	28-Feb-95		7.83	7.29
	13-Apr-95		7.43	7.71
	10-May-95		7.53	7.59
	9-Aug-95		8.39	6.73
	17-Nov-95		8.91	6.21
	9-Jan-96	15.14 ⁽³⁾	7.95	7.19
	24-Apr-96		7.81	7.33
	29-Jul-96		8.58	6.56
	13-Dec-96		6.00	9.14
	15-Apr-97		8.18	6.96
	30-May-97		8.33	6.81
	RP-2 ⁽¹⁾	8-Sep-94	15.23	8.99
9-Jan-95		15.24	6.40	8.84
27-Jan-95			5.95	9.29
17-Feb-95			7.76	7.48
28-Feb-95			8.11	7.12
13-Apr-95			7.69	7.55
10-May-95			7.77	7.46
9-Aug-95			8.67	6.56
17-Nov-95			9.27	5.96
9-Jan-96		15.24 ⁽³⁾	8.27	6.97
24-Apr-96			8.04	7.20
29-Jul-96			8.89	6.35
13-Dec-96			6.20	9.04
18-Apr-97			8.46	6.78
30-May-97			8.61	6.63
RP-3 ⁽¹⁾	8-Sep-94	15.15	8.80	6.35
	9-Jan-95	15.17	6.55	8.62
	27-Jan-95		6.12	9.05
	17-Feb-95		7.45	7.72
	28-Feb-95		7.87	7.28
	13-Apr-95		7.44	7.73
	10-May-95		7.61	7.54
	9-Aug-95		8.48	6.67
	17-Nov-95		9.09	6.06
	9-Jan-96	15.17 ⁽³⁾	8.07	7.10
	24-Apr-96		7.92	7.25
	29-Jul-96		8.71	6.46
	13-Dec-96		6.03	9.14
	15-Apr-97		8.27	6.90

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Rifkin Property, Emeryville, California

Well Number	Date	Elevation Top of Casing (msl)	Depth to Groundwater (ft bgs)	Groundwater Elevation (msl)
	30-May-97		8.44	6.73
RP-4				
(1)	8-Sep-94	15.10	9.02	6.08
	9-Jan-95	15.12	6.31	8.81
	27-Jan-95		5.97	9.15
	17-Feb-95		7.79	7.33
	28-Feb-95		8.13	6.97
	13-Apr-95		7.69	7.43
	10-May-95		7.77	7.33
	9-Aug-95		8.65	6.45
	17-Nov-95		9.28	5.82
	9-Jan-96	15.13 (3)	8.28	6.85
	24-Apr-96		8.05	7.08
	29-Jul-96		8.88	6.25
	13-Dec-96		6.12	9.01
	15-Apr-97		8.44	6.69
	30-May-97		8.59	6.54
RP-5				
(1)	8-Sep-94	15.03	8.95	6.08
	9-Jan-95	15.04	6.22	8.82
	27-Jan-95		5.93	9.11
	17-Feb-95		7.71	7.33
	28-Feb-95		8.06	6.97
	13-Apr-95		7.56	7.48
	10-May-95		7.69	7.34
	9-Aug-95		8.57	6.46
	17-Nov-95		9.23	5.80
	9-Jan-96	15.04 (3)	8.21	6.83
	24-Apr-96		7.96	7.08
	29-Jul-96		8.81	6.23
	13-Dec-96		5.93	9.11
	15-Apr-97		8.35	6.69
	30-May-97		8.51	6.53
MW-1				
	9-Jan-95	13.79	5.14	8.65
	27-Jan-95		4.78	9.01
	17-Feb-95		6.73	7.06
	13-Apr-95		6.63	7.16
	8-Jun-95		6.98	6.81
(2)	9-Aug-95	13.79	7.50	6.29
	17-Nov-95		8.00	5.79
	9-Jan-96	13.78 (3)	7.19	6.59
	24-Apr-96		6.93	6.85
	29-Jul-96		7.76	6.02
	13-Dec-96		5.19	8.59

Table 1
Historical Groundwater Elevation Data
Rifkin Property, Emeryville, California

Well Number	Date	Elevation Top of Casing (msl)	Depth to Groundwater (ft bgs)	Groundwater Elevation (msl)	
MW-2	15-Apr-97		7.34	6.44	
	30-May-97		7.45	6.33	
	9-Jan-95	13.59	4.93	8.66	
	27-Jan-95		4.53	9.06	
	17-Feb-95		6.58	7.01	
	13-Apr-95		6.46	7.13	
	8-Jun-95		6.82	6.77	
	(2) 9-Aug-95	13.39	7.31	6.08	
	17-Nov-95		8.12	5.27	
	9-Jan-96	13.58 ⁽³⁾	7.04	6.54	
	24-Apr-96		6.56	7.02	
	29-Jul-96		7.59	5.99	
	13-Dec-96		5.04	8.54	
	15-Apr-97		7.17	6.41	
	30-May-97		7.28	6.30	
MW-3	9-Jan-95	14.64	5.38	9.26	
	27-Jan-95		4.66	9.98	
	17-Feb-95		7.01	7.63	
	13-Apr-95		6.93	7.71	
	8-Jun-95		7.39	7.25	
	(2) 9-Aug-95	14.64	7.89	6.75	
	17-Nov-95		8.40	6.24	
	9-Jan-96	14.60 ⁽³⁾	7.48	7.12	
	24-Apr-96		7.19	7.41	
	29-Jul-96		8.08	6.52	
	13-Dec-96		5.33	9.27	
	15-Apr-97		7.70	6.90	
	30-May-97		7.84	6.76	
	MW-4	9-Jan-95	15.55	6.87	8.68
		27-Jan-95		6.75	8.80
17-Feb-95			7.24	8.31	
13-Apr-95			7.42	8.13	
8-Jun-95			7.64	7.91	
(2) 9-Aug-95		15.35	7.93	7.42	
17-Nov-95			8.67	6.68	
9-Jan-96		15.53 ⁽³⁾	8.12	7.41	
24-Apr-96			7.72	7.81	
29-Jul-96			8.29	7.24	
13-Dec-96			6.75	8.78	
15-Apr-97					
30-May-97			7.49	8.04	
MW-5					

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Historical Groundwater Elevation Data
Rifkin Property, Emeryville, California

Well Number	Date	Elevation Top of Casing (msl)	Depth to Groundwater (ft bgs)	Groundwater Elevation (msl)
	9-Jan-95	15.27	6.14	9.13
	27-Jan-95		5.71	9.56
	17-Feb-95		6.59	8.68
	13-Apr-95		6.55	8.72
	8-Jun-95		7.44	7.83
(2)	9-Aug-95	15.87	7.87	8.00
	17-Nov-95		8.65	7.22
	9-Jan-96	15.24 ⁽³⁾	7.93	7.31
	24-Apr-96		7.49	7.75
	29-Jul-96		8.24	7.00
	13-Dec-96		6.97	8.27
	15-Apr-97			
	30-May-97		7.91	7.33
<hr/>				
Off-site				
LF-3				
	8-Sep-94	11.98	5.70	6.28
	29-Mar-95		NM	6.28
	29-Jul-96		5.57	
	13-Dec-96		4.89	
LF-4				
	13-Dec-96		5.62	
LF-7				
	8-Sep-94	11.08	4.97	6.11
	29-Mar-95		3.77	7.31
	9-Aug-95		NM	11.08
	29-Jul-96		9.70	1.38
	13-Dec-96		6.99	
LF-8				
	8-Sep-94	12.75	7.34	5.41
	29-Mar-95		4.88	7.87
	9-Aug-95		NM	7.87
	29-Jul-96		8.21	4.54
	13-Dec-96		5.12	
LF-10				
	9-Aug-95			12.75
	29-Jul-96		NM	NM
	13-Dec-96		3.68	
LF-11				
	8-Sep-94	10.08	NM	15.87
	29-Mar-95			11.79
	9-Aug-95		4.08	13.23
	29-Jul-96		3.93	12.06
	13-Dec-96		4.31	15.87
LF-12				
			2.64	15.87

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Well Number	Date	Elevation Top of Casing (msl)	Depth to Groundwater (ft bgs)	Groundwater Elevation (msl)
	8-Sep-94	14.97	3.81	8.50
	29-Mar-95			9.71
	9-Aug-95		7.37	8.64
	29-Jul-96		7.29	15.87
	13-Dec-96		5.69	
LF-13			6.16	15.87
	8-Sep-94	14.76	7.23	8.78
	29-Mar-95			9.96
	9-Aug-95		7.09	8.91
	29-Jul-96		6.96	15.87
	13-Dec-96		5.50	
LF-17				
	13-Dec-96		2.59	
LF-18				
	13-Dec-96		6.44	
LF-19				
	13-Dec-96		4.85	
LF-20				
	13-Dec-96		7.71	
LF-21				
	13-Dec-96		5.06	
LF-22				
	13-Dec-96		9.07	
LF-23				
	13-Dec-96		3.76	
LF-24				
	13-Dec-96		4.10	
LF-25				
	13-Dec-96		6.85	
LF-26				
	13-Dec-96		6.75	
LF-B3			5.91	15.87
	9-Aug-95		6.96	11.89
	29-Jul-96		4.12	10.64
	13-Dec-96		2.70	
LF-B4				15.87
	9-Aug-95		3.98	8.99
	17-Nov-95			7.22
	9-Jan-96	15.24 ⁽³⁾	6.88	7.31
	24-Apr-96		8.65	15.24
			7.93	
	29-Jul-96		6.97	8.27
	13-Dec-96		5.64	
LF-B5				
	13-Dec-96		9.25	
LF-B6				

Table 1
Historical Groundwater Elevation Data
Rifkin Property, Emeryville, California

Well Number	Date	Elevation Top of Casing (msl)	Depth to Groundwater (ft bgs)	Groundwater Elevation (msl)
EX-1	13-Dec-96		4.33	
EX-2	13-Dec-96		3.20	
EX-3	13-Dec-96		2.21	
	13-Dec-96		5.10	

Data entered by TGL. Proofed by KAG.

Notes

- (1) Monitoring well installed by LFR.
 - (2) Monitoring well installed by TMC Environmental.
 - (3) Elevation of top casing re-surveyed on April 24 and 25, 1996
 - (4) For groundwater elevation data for the Sherwin-Williams plant, refer to Table 1 of The Sherv
- msl = mean sea level
 NM = not measured
 bgs = below ground surface

Table 2
Chemicals Detected in Groundwater Samples
Rifkin Property, Emeryville, California
Concentrations expressed in parts per million (ppm)

Sample ID	Sample Date	As	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Xylenes	Acetone	MEK	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	MIBK	TCE
RP-1	28-Jul-94	0.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94	0.08	1.9	4.4	0.3	<0.005	<0.0005	<0.0005	<0.002	<0.100	<0.100	0.002	0.003	0.001	<0.050	<0.005
	28-Feb-95	0.046	0.3	1.8	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	(4) 29-Mar-95	0.035	<0.05	0.78	<0.5	<0.005	<0.005	<0.005	<0.01	<0.100	NA	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95	0.095	2.6	1.4	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	09-Aug-95	0.059	1.4	1.4	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	17-Nov-95	0.086	1.2	0.96	NA	<0.0005	0.0008	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jan-96	0.061	0.8	0.55	NA	<0.0005	0.001	<0.0005	<0.002	<0.100	<0.100	<0.005	<0.005	<0.005	<0.050	<0.005
	17-Apr-96	0.058	0.12	0.59	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	dup 17-Apr-96	0.069	0.15	0.72	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.068	1.4	1.1	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.041	0.6	2.3	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.054	0.68	1.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.077	0.55	0.90	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-2	28-Jul-94	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94	0.024	0.09	0.4	0.5	<0.005	0.0005	<0.005	<0.002	<0.100	<0.100	0.001	0.001	<0.0005	<0.050	0.0006
	dup 08-Sep-94	0.020	0.09	0.3	0.6	<0.005	<0.0005	<0.005	<0.002	<0.100	<0.100	0.001	0.001	<0.0005	<0.050	0.0005
	28-Feb-95	0.013	0.09	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	(3) 29-Mar-95	0.01	0.07	0.4	<0.5	<0.005	<0.005	<0.005	<0.01	<0.100	NA	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95	0.029	<0.05	0.3	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	09-Aug-95	0.01	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	17-Nov-95	0.011	0.1	0.2	NA	0.002	0.003	0.0009	0.004	NA	NA	NA	NA	NA	NA	NA
	10-Jan-96	0.031	0.05	0.1	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.100	<0.100	<0.005	<0.005	<0.005	<0.050	<0.005
	17-Apr-96	0.010	<0.05	0.17	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.007	<0.05	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.016	<0.05	0.18	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.012	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.014	<0.05	0.13	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-3	28-Jul-94	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94	0.004	0.1	0.7	0.2	<0.005	<0.0005	<0.005	<0.002	<0.100	<0.100	<0.005	<0.0005	<0.0005	<0.050	<0.0005
	28-Feb-95	0.004	0.2	1.2	NA	<0.0005	0.0007	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	(5) 29-Mar-95	0.004	0.3	1.9	0.6	<0.005	<0.005	<0.005	<0.01	<0.100	NA	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95	0.013	0.1	1.7	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	09-Aug-95	0.003	0.2	1.2	NA	<0.0005	0.0009	<0.0005	0.0094	NA	NA	NA	NA	NA	NA	NA
	17-Nov-95	0.006	0.1	1.1	NA	<0.0005	0.001	<0.0005	0.005	NA	NA	NA	NA	NA	NA	NA
	10-Jan-96	0.014	0.1	0.56	NA	<0.0005	0.0006	<0.0005	0.003	<0.100	NA	<0.005	<0.005	<0.005	NA	<0.005

Table 2
Chemicals Detected in Groundwater Samples
Rifkin Property, Emeryville, California
Concentrations expressed in parts per million (ppm)

Sample ID	Sample Date	As	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Xylenes	Acetone	MEK	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	MIBK	TCE
	17-Apr-96	0.006	0.13	0.42	NA	<0.0005	<0.0005	0.0006	0.0008	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.009	0.1	0.39	NA	<0.0005	0.0005	0.0005	0.007	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.005	0.07	1.2	NA	<0.0005	0.0005	0.0005	0.003	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.004	0.09	0.47	NA	<0.0005	<0.0005	<0.0005	0.004	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.008	0.1	0.53	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-4	28-Jul-94	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94	0.009	0.1	0.2	0.2	<0.005	<0.0005	<0.005	<0.002	<0.100	<0.100	0.001	0.007	0.004	<0.050	0.002
	28-Feb-95	0.007	0.08	0.07	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
dup	28-Feb-95	0.006	0.07	0.07	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
(2)	29-Mar-95	0.008	0.07	0.3	<0.5	<0.005	<0.005	<0.005	<0.01	<0.100	NA	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95	0.013	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
dup	10-May-95	0.011	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	09-Aug-95	0.007	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
dup	09-Aug-95	0.007	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	17-Nov-95	0.011	<0.05	0.1	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
dup	17-Nov-95	0.011	<0.05	0.3	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	09-Jan-96	0.004	0.05	0.1	NA	<0.0005	<0.0005	0.0005	<0.002	<0.100	<0.100	<0.005	0.006	<0.005	<0.050	<0.005
	17-Apr-96	0.009	<0.05	0.14	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.005	<0.05	0.24	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
dup	31-Jul-96	0.003	<0.05	0.21	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.009	<0.05	0.12	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.009	<0.05	0.19	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.011	<0.05	0.19	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.009	<0.05	0.12	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-5	28-Jul-94	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08-Sep-94	0.003	0.09	0.6	2	<0.005	<0.0005	<0.005	<0.002	<0.100	<0.100	0.0008	0.0005	<0.0005	<0.050	<0.005
	28-Feb-95	0.007	0.06	0.2	NA	<0.0005	0.0009	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
(1)	29-Mar-95	0.006	<0.05	0.8	<0.5	<0.005	<0.005	<0.005	<0.01	<0.100	NA	<0.005	<0.005	<0.005	NA	<0.005
	10-May-95	0.018	<0.05	1.1	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	09-Aug-95	0.003	<0.05	0.69	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	17-Nov-95	0.008	<0.05	0.5	NA	<0.0005	<0.0005	<0.0005	<0.010	NA	NA	NA	NA	NA	NA	NA
	09-Jan-96	0.005	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.100	<0.100	<0.005	<0.005	<0.005	<0.050	<0.005
dup	09-Jan-96	0.004	<0.05	0.2	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.100	<0.100	<0.005	<0.005	<0.005	<0.050	<0.005
	17-Apr-96	0.008	<0.05	0.64	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	<0.002	<0.05	0.79	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.007	<0.05	0.41	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA

Table 2
Chemicals Detected in Groundwater Samples
Rifkin Property, Emeryville, California
Concentrations expressed in parts per million (ppm)

Sample ID	Sample Date	As	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Xylenes	Acetone	MEK	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	MIBK	TCE
dup	19-Nov-96	0.008	<0.05	0.53	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.006	<0.05	0.54	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
dup	25-Mar-97	0.004	<0.05	0.59	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.006	<0.05	0.59	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
MW-1 (6,7)	09-Jan-96	0.022	1.3	4	NA	0.053	0.003	0.002	0.006	<0.100	<0.100	0.052	0.012	<0.005	<0.050	<0.005
	17-Apr-96	0.034	1.7	1.1	NA	0.065	0.0035	0.0055	0.007	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.037	2.4	12	NA	0.053	0.0098	0.012	0.014	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.071	0.85	1.5	NA	0.032	0.0017	0.0017	0.005	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.042	0.99	1.8	NA	0.049	0.0022	0.0024	0.005	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.050	0.94	1.3	NA	0.032	0.0009	0.0007	0.003	NA	NA	NA	NA	NA	NA	NA
MW-2 (8)	09-Jan-96	0.016	0.9	2.5	NA	0.039	0.001	0.0009	0.002	<0.100	<0.100	0.007	0.023	0.008	<0.050	<0.005
	17-Apr-96	0.028	0.62	4.6	NA	0.032	0.0013	0.008	<0.002	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.037	0.71	3.2	NA	0.042	0.0016	0.0009	<0.002	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.041	0.37	3.2	NA	0.018	0.0017	0.0007	0.004	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.038	0.52	3.3	NA	0.024	0.0007	0.001	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.039	0.5	1.5	NA	0.027	0.0005	<0.0005	0.002	NA	NA	NA	NA	NA	NA	NA
MW-3	09-Jan-96	0.015	0.2	0.3	NA	<0.005	<0.005	<0.005	<0.002	<0.100	<0.100	0.01	0.037	0.029	<0.050	0.006
	17-Apr-96	0.018	0.16	0.18	NA	<0.005	<0.005	<0.005	<0.002	NA	NA	NA	NA	NA	NA	NA
	31-Jul-96	0.059	9.4	0.42	NA	<0.005	<0.005	<0.005	<0.002	NA	NA	NA	NA	NA	NA	NA
	19-Nov-96	0.048	0.47	0.46	NA	<0.005	0.0006	<0.005	0.004	NA	NA	NA	NA	NA	NA	NA
	25-Mar-97	0.019	0.31	<0.05	NA	<0.005	<0.005	<0.005	<0.002	NA	NA	NA	NA	NA	NA	NA
	10-Jun-97	0.027	0.07	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
MW-4	10-Jan-96	15	0.7	6.3	NA	0.002	0.027	0.002	0.012	<0.100	<0.100	<0.005	<0.005	<0.005	<0.050	<0.005
	(10) 19-Nov-96	3.1	0.7	6.9	NA	0.0024	0.0021	0.0017	0.01	NA	NA	NA	NA	NA	NA	NA
MW-5	10-Jan-96	79	160	5.4	NA	0.95	100	3	15	130	<100	<5	<5	<5	<50	<5
	(9) 19-Nov-96	192	180	3.7	NA	0.7	120	2.1	10	NA	NA	NA	NA	NA	NA	NA
Blanks																
RP-3-FB	28-Feb-95	<0.002	<0.05	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-3-FB	10-May-95	<0.002	<0.05	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-3-FB	09-Aug-95	<0.002	<0.05	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-3-FB	17-Nov-95	<0.002	<0.05	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA

Table 2
Chemicals Detected in Groundwater Samples
Rifkin Property, Emeryville, California
Concentrations expressed in parts per million (ppm)

Sample ID	Sample Date	As	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Xylenes	Acetone	MEK	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	MIBK	TCE
Trip Blank	17-Nov-95	NA	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-5-FB	09-Jan-96	<0.002	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.100	<0.100	<0.005	<0.005	<0.005	<0.050	<0.005
RP-4-FB	17-Apr-96	NA	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-1-FB	31-Jul-96	<0.002	<0.05	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
Trip Blank	19-Nov-96	NA	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
Trip Blank	3/25/97	NA	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
MW-1-FB	3/25/97	<0.002	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
RP-5-FB	10-Jun-97	0.003	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	NA	NA	NA	NA	NA
MCLS	-----	0.050	-----	-----	-----	0.005	1.000	0.700	10	-----	-----	0.0005	0.070	0.100	-----	0.005

Data entered by SDS. Data proofed by TGL. QA/QC by KAG.

Notes:

Analyses performed by American Environmental Network, Pleasant Hill, California by method cited in report.

If analyte is not listed, it was not present above laboratory detection limits.

NA = not analyzed

ND = not detected

As = arsenic

MEK = methyl ethyl ketone (2-Butanone)

MIBK = methyl isobutyl ketone (4-Methyl-2-pentanone)

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

TPHo = total petroleum hydrocarbons as oil and grease

1,2-DCA = 1,2-dichloroethane

cis-1,2-DCE = cis-1,2-Dichloroethene

trans-1,2-DCE = trans-1,2-Dichloroethene

TCE = trichloroethene

- (1) Barium detected at 0.04 mg/L, Zinc detected at 0.03 mg/L.
- (2) Barium detected at 0.06 mg/L, Lead detected at 0.15 mg/L, Zinc detected at 0.16 mg/L.
- (3) Carbon Disulfide detected at 0.015 mg/L, Barium detected at 0.08 mg/L, Zinc detected at 0.03 mg/L.
- (4) Barium detected at 0.04 mg/L, Zinc detected at 0.01 mg/L.
- (5) Barium detected at 0.18 mg/L, Vanadium 0.015 mg/L, Zinc detected at 0.01 mg/L.
- (6) 1,2-Dichloropropane at 0.13 ppm.
- (7) Vinyl chloride detected at 0.015 ppm.
- (8) 1,2-Dichloropropane detected at 0.020 ppm.
- (9) Lead detected at 0.07 mg/L, Zinc detected at 21 mg/L.
- (10) Lead below laboratory detection limit(0.04 mg/L), Zinc detected at 230 mg/L.