

August 26, 1996

LF 3042.95-002

Mr. Sumadhu Arigala
San Francisco Bay Region
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612

Subject: April 1996, Quarterly Groundwater Monitoring Results, A Portion of the Rifkin Property, 4525-4563 Horton Street, Emeryville, California

Dear Mr. Arigala:

This letter transmits the results for April 1996, quarterly monitoring on a portion of the Rifkin Property located at 4525-4563 Horton Street in Emeryville, California ("the Site") for the monitoring period of April 1 to June 30, 1996.

Quarterly groundwater monitoring was conducted at the Site, as proposed, in a letter dated October 26, 1994, from Dave Gustafson and Larry Mencin of The Sherwin-Williams Company to Sum Arigala of the California Regional Water Quality Control Board (RWQCB). This proposed quarterly groundwater monitoring program was approved by the RWQCB in a letter to Dave Gustafson from Steven Ritchie of the RWQCB dated November 4, 1994. In addition, wells MW-1 through MW-5 (installed by TMC Environmental) were included in this quarterly monitoring event.

On April 17, 1996, groundwater samples were collected from wells RP-1 through RP-5 and wells MW-1 through MW-3 (installed by TMC Environmental) and submitted to American Environmental Network (AEN), a California, state-certified laboratory for chemical analysis. In addition, on April 24, 1996, depth-to-water measurements were recorded in on-site wells RP-1 through RP-5 (installed by Levine-Fricke) and MW-1 through MW-5 (installed by TMC Environmental). Locations of on-site wells are shown on Figure 1. Water level and sampling field forms are included in Appendix A.

Depth to groundwater in the monitoring wells was measured using an electric water-level meter to the nearest 0.01 foot. Depth-to-water measurements and groundwater elevations in the monitoring wells are presented in Table 1. Groundwater contours are shown on Figure 1.

During sampling of the on-site wells, after the volume of water in each well was calculated, 3 to 5 well volumes of water were purged from each well using either a gasoline-powered, centrifugal pump equipped with a clean suction hose, or by hand bailing with a clean, Teflon bailer.

During purging of the wells, groundwater parameters (pH, specific conductance, and temperature) were monitored and recorded to aid in collecting samples that were representative of the groundwater in surrounding sediments. Samples were collected after these parameters had stabilized. If a well did not sustain a constant yield (i.e., goes dry), the well was sampled after the water level had recovered to approximately 80 percent of the original water level or 2 hours after purging, whichever occurred first.

After purging, groundwater samples were collected using a clean, Teflon bailer fitted with a new rope. A duplicate sample collected from well RP-1 and a bailer field blank were submitted for chemical analysis to monitor laboratory and equipment decontamination quality assurance and quality control. Equipment used during groundwater sampling was cleaned with Alconox (a laboratory grade detergent) and/or steam cleaned. The samples were placed into the appropriate laboratory-supplied sample containers and placed in a chilled cooler for transportation to AEN for analysis following chain-of-custody procedures.

Water purged from each well during sampling was discharged into the groundwater extraction and treatment system located at the Sherwin-Williams site.

Groundwater samples were submitted to AEN for analysis of dissolved arsenic using EPA Method 7060; total petroleum hydrocarbons as gasoline using EPA Method 5030; total petroleum hydrocarbons as diesel using EPA Method 3510; and benzene, toluene, ethylbenzene, and total xylenes using EPA Method 8020. Analytical results for these samples are presented in Table 2. Analytical results for dissolved arsenic are shown on Figure 2. Laboratory certificates and chain-of-custody forms are included in Appendix B.

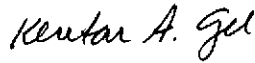
The next quarterly groundwater monitoring event was conducted in August 1996 after site access was approved. Results from this event will be reported in the quarterly groundwater monitoring report for the period from July 1 through September 30, 1996.

Please contact either of the undersigned at (510) 652-4500 or Larry Mencin of Sherwin-Williams at (216) 566-1768, if you have any questions or comments.

Sincerely,



Mark D. Knox, P.E.
Principal Engineer



Kenton A. Gee
Project Hydrogeologist

enclosures

cc: Larry Mencin, Sherwin-Williams
Allen Danzig, Sherwin-Williams
Susan Hugo, Alameda County
Ravi Arulanantham, Alameda County
Ric Notini, Chiron Corporation

CERTIFICATION

All information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Levine-Fricke California Professional Engineer.

Mark D. Knox

8/26/96
Date

Mark D. Knox
Principal Engineer
California Professional Engineer (33194)

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
	28-Feb-95		7.83	7.29
	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
RP-2 ⁽¹⁾	8-Sep-94	15.23	8.99	6.24
	28-Feb-95		8.11	7.12
	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
RP-3 ⁽¹⁾	8-Sep-94	15.15	8.80	6.35
	28-Feb-95		7.87	7.28
	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
RP-4 ⁽¹⁾	8-Sep-94	15.10	9.02	6.08
	28-Feb-95		8.13	6.97
	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
RP-5 ⁽¹⁾	8-Sep-94	15.03	8.95	6.08
	28-Feb-95		8.06	6.97
	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
MW-1 ⁽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

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
	28-Feb-95		7.83	7.29
	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
RP-2 ⁽¹⁾	8-Sep-94	15.23	8.99	6.24
	28-Feb-95		8.11	7.12
	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
RP-3 ⁽¹⁾	8-Sep-94	15.15	8.80	6.35
	28-Feb-95		7.87	7.28
	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
RP-4 ⁽¹⁾	8-Sep-94	15.10	9.02	6.08
	28-Feb-95		8.13	6.97
	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
RP-5 ⁽¹⁾	8-Sep-94	15.03	8.95	6.08
	28-Feb-95		8.06	6.97
	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
MW-1 ⁽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

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	⁽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
MW-3	⁽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
MW-4	⁽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
MW-5	⁽²⁾ 9-Aug-95	15.87	7.87	8.00
	17-Nov-96		8.65	7.22
	9-Jan-96		7.93	7.94
	24-Apr-96		7.49	8.38

Data entered by _____ . Proofed by _____ .

Notes

- (1) Monitoring well installed by Levine-Fricke.
 - (2) Monitoring well installed by TMC Environmental.
 - (3) Elevation of top casing re-surveyed on April 24 and 25, 1996
- msl = mean sea level
 NM = not measured
 bgs = below ground surface

Table 2
Chemicals Detected in Ground-Water 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	
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		
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	
	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	
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	

Table 2
Chemicals Detected in Ground-Water 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-4 (contin.)	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
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	
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
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
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
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
MW-5	10-Jan-96	79	160	5.4	NA	0.95	100	3	15	130	<100	<5	<5	<5	<50	<5
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

Table 2
Chemicals Detected in Ground-Water 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-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
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
MCLS	-----	0.050	-----	-----	-----	0.005	1.000	0.700	10	-----	-----	0.0005	0.070	0.100	-----	0.005

Data entered by PCA 11-April-96. Data proofed by _____. QA/QC by _____.

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.

EXPLANATION

- Property boundary
- x-x-x- Chain link fence
- LF-10 ● A-zone monitoring well
- LF-B3 ● B-zone monitoring well
- EX-1 ⊕ Groundwater extraction well location
- ⊗ Monitoring well destroyed under permit
- ⊗ Monitoring well destroyed or lost during slurry wall and cap construction activities
- ⊕ Monitoring well destroyed during railway expansion activities
- Rifkin property monitoring wells (TMC)
- Rifkin property monitoring wells (Levine-Fricke)
- 5.89 Groundwater elevation (feet above mean sea level)
- 5.5 Groundwater elevation contour (feet above mean sea level)
- * Water level not used in contouring

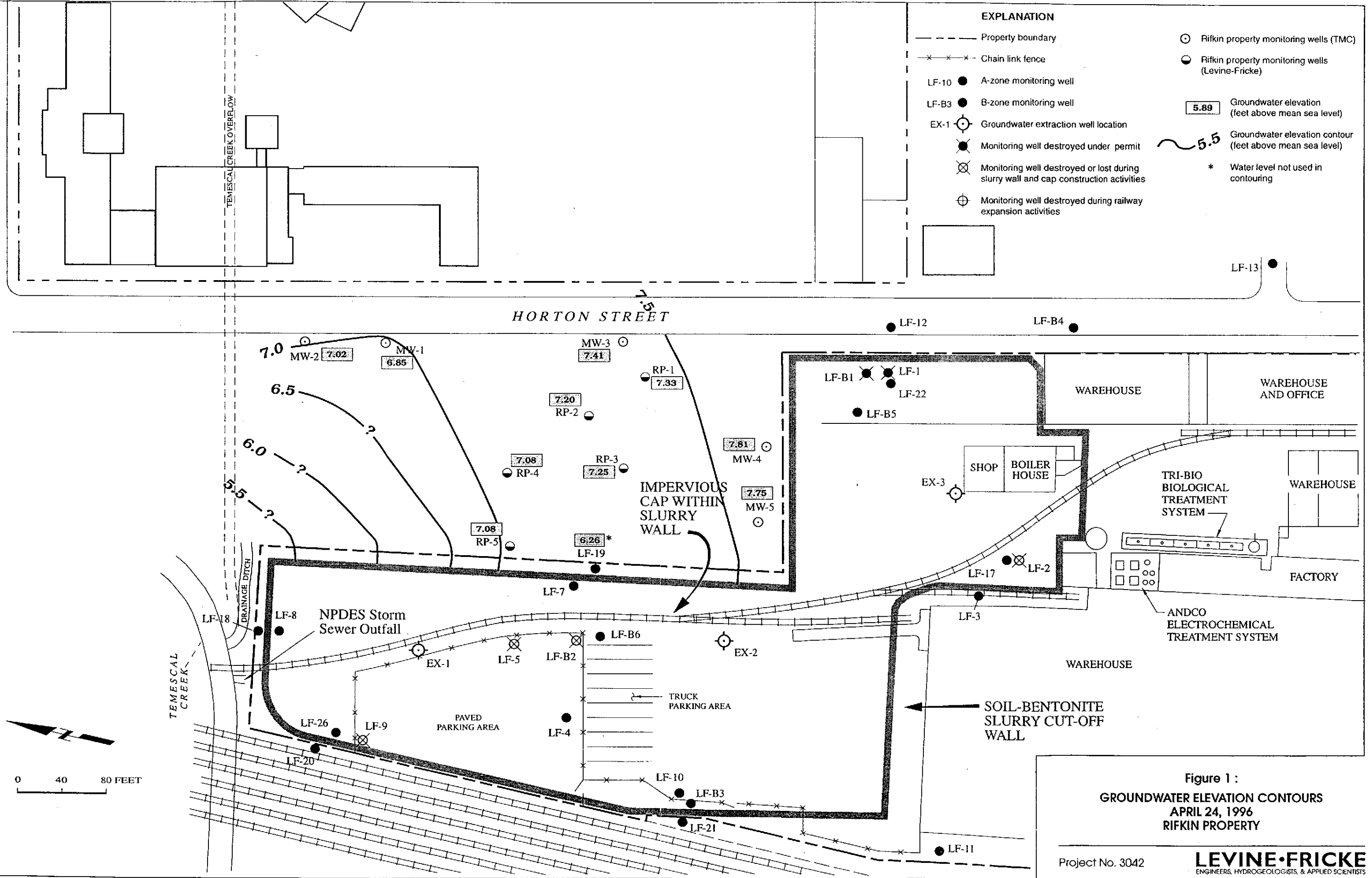
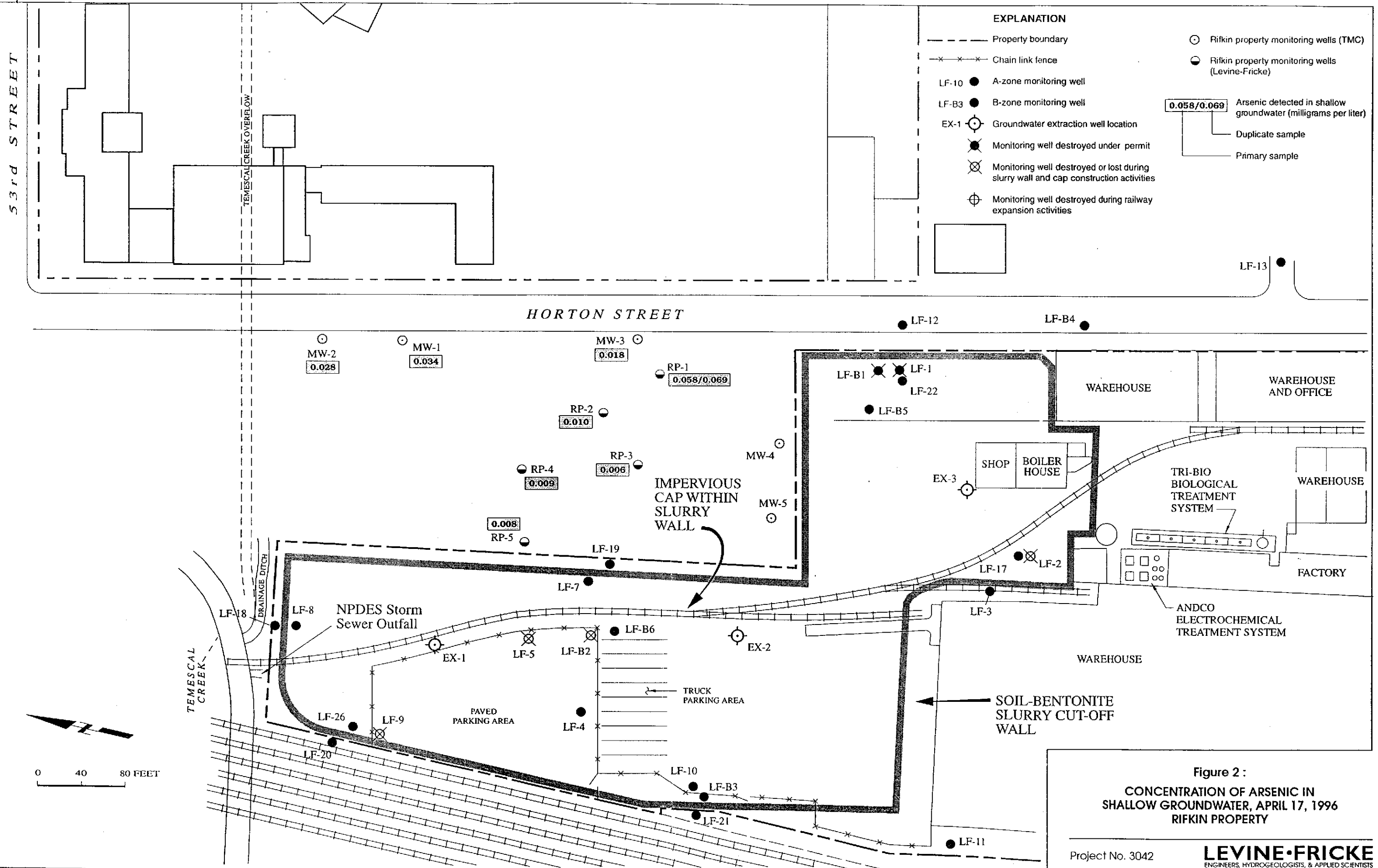


Figure 1 :
GROUNDWATER ELEVATION CONTOURS
APRIL 24, 1996
RIFKIN PROPERTY



APPENDIX A

WATER LEVEL AND SAMPLING FIELD FORMS

WATER-LEVEL MEASUREMENTS

Project Name: *Sherrin Williams*

Project No.: *3435100*

Field Personnel: *Brian Keating*

Date: *4/24/96*

General Observations: *Rainy in AM / Clear in PM*

WELL NO.	WELL ELEVATION	DEPTH TO WATER MEASUREMENTS		WATER ELEVATION	REMARKS (UNITS = FEET)
		1	2		
LF-21	N/A	3.65	3.66		* All wells being surveyed for elevation today
LF-23		4.08	4.10		
LF-24		4.42	4.35		
LF-25		7.15	7.16		
LF-B3		3.44	3.45		
LF-10		5.10	5.10		
LF-19		7.92	7.65		
LF-7		8.65	8.67		
LF-B6		5.12	5.11		
EX-1		15.42	15.41		Extraction Well
LF-4		6.72	6.72		
LF-26		7.90	7.76		
LF-20		7.55	7.49		
LF-18		8.21	8.20		
LF-8		7.14	7.15		
LF-15		12.35	12.31		Cap on well - not used
LF-22		1.55	1.56		
EX-3		16.35	16.35		Extraction Well
LF-5		4.87	4.88		
LF-7		5.35	5.31		
EX-2		14.87	14.92		Extraction Well
MW-2		6.56	6.57		
MW-1		6.93	6.93		
MW-3		7.19	7.20		
MW-5		7.49	7.48		
MW-4		7.72	7.71		
RP-1		7.81	7.80		
RP-2		8.04	8.05		
RP-3		7.92	7.91		
RP-4		8.05	8.04		
RP-5		7.96	7.95		
LF-12		6.57	6.58		
LF-B4		6.39	6.37		
LF-13		6.21	6.19		
LF-11		3.19	3.18		

NA = Not Available

WATER-QUALITY SAMPLING INFORMATION

Object No.: 3042.00.02
 Object Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Operator Name: JMR
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/17/96
 Sample No.: RP1
 FB: _____
 DUP: RP-101

- Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer
 _____ (Other)

Analyses Requested
PH, BTEX
PH d
PH - dissolved

Number and Types of Bottle used
6 VOA/HEL
4 Amber litre / Hot
2 ~~500~~ ml plastic

$$\begin{array}{r}
 11.86 \\
 7.78 \\
 \hline
 4.08 \\
 .16 \\
 \hline
 2448 \\
 4080 \\
 \hline
 6528 \\
 \\
 4.08 \\
 .2 \\
 \hline
 816 \\
 7.78 \\
 \hline
 8.596 \\
 \\
 8.59
 \end{array}$$
 80% DTW

Method of Shipment
 AEN (Lab Name)
 Courier
 Hand Deliver

Well Number: RP-1 Well Diameter: _____
 Depth of Water: 7.78
 Well Depth: 11.86
 Height of Water Column: 4.08
 Static Head in Well: 1

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
3:22								Start Bailing
3:34		1		16.9	5.97	676		sl. turbid / odor
3:36		2		17.0	5.93	675		↓ ↓
3:38		3		17.0	5.90	675		↓ / sl. odor
	8.50							
3:45								SAMPLE
4:45								DUP

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Analysts Name: JMR
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/17/96
 Sample No.: RP-2
 FB: _____
 DUP: _____

- Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer
 (Other) _____

Analyses Requested
BTEX
pH d
dissolved
 Number and Types of Bottle used
3 VOA/HCL
2 Amber litre/HCL
1x 250 ~~500~~ ml plastic

Method of Shipment
AEN
 (Lab Name)
 Courier
 Hand Deliver:

Well Number: RP-2
 Well Diameter:
 2" (0.16 Gallon/Feet)
 4" (0.65 Gallon/Feet)
 5" (1.02 Gallon/Feet)
 6" (1.47 Gallon/Feet)
 Depth of Water: 8.05
 Well Depth: 14.43
 Height of Water Column: 6.38
 Static Head in Well: 1

14.43
8.05

6.38
.16

38.28
6380

1.0208

6.38
.2

1.276
8.05

9.326

 80% DTW 9.32

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
3:00								Start Boiling
3:02		1		17.3	6.30	906		turbid / sl. odor
3:04		2		17.3	6.25	897		↓ ↓
3:06		3		17.3	6.22	880		↓ ↓
	8.11							
3:10								SAMPLE

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Analysts Name: JNR
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/17/96
 Sample No.: RP-3
 FB: _____
 DUP: _____

- Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer
 (Other) _____

Analyses Requested
Hy, BTEX
PH d
A - dissolved
 Number and Types of Bottle used
3 VOA/Hot
2 Amber litre/Hot
1 ²⁵⁰ 500 ml plastic

Method of Shipment
AEN
 (Lab Name)
 Courier
 Hand Deliver

Well Number: RP-3
 Well Diameter:
 2" (0.16 Gallon/Feet)
 4" (0.65 Gallon/Feet)
 5" (1.02 Gallon/Feet)
 6" (1.47 Gallon/Feet)
 Depth of Water: 7.88
 Depth: 12.78
 Height of Water Column: 4.90
 Distance in Well: 1

$$\begin{array}{r} 12.78 \\ 7.88 \\ \hline 4.90 \\ .16 \\ \hline 2990 \\ 9900 \\ \hline .7840 \end{array}$$

$$\begin{array}{r} 4.90 \\ .2 \\ \hline .980 \\ 7.88 \\ \hline 8.860 \end{array}$$

 80% DTW 8.86

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
7:04								Start Bailing
4:06		1		16.7	5.87	1683		mod. turbid/sp. odor
4:08		2		16.8	5.91	1693		↓ ↓
4:10		3		16.8	5.94	1681		↓ ↓
	8.05							
4:15								SAMPLE

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Analysts Name: JMK
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/1/96
 Sample No.: RP-4
 FB: RP-4-FB
 DUP: _____

Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer

 (Other) _____
 Analyses Requested
Titg, BTEX
PH d
- dissolved
 Number and Types of Bottle used
6 VOA/HCL
2 Amber litre / Hot
1 ²⁵⁰ 500 ml plastic

16.15
 8.05

 8.10
 .16

 4860
 8100

 12960

 8.10
 .2

 1.620
 8.05

 9.670

 80% DTW 9.67

Method of Shipment
AEN
 (Lab Name)
 Courier
 Hand Deliver:

Well Number: RP-4 Well Diameter: _____
 Depth of Water: 8.05
 Depth: 16.15
 Height of Water Column: 8.10
 Volume in Well: 1.5

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
2:20								Field Blank
2:24								Start Bailing
2:26		1.5		17.5	6.15	946		mod. turbid / S.l. odor
2:28		3		17.5	6.10	976		↓ ↓
2:30		4.5		17.5	6.09	970		↓ ↓
2:35	8.07							SAMPLE

Inlet Depth: _____
 Comments: RP-4-FB → Titg, BTEX only
 (Recommended Method For Purging Well)

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Analysts Name: JNR
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/17/96
 Sample No.: RP-5
 FB: _____
 DUP: _____

Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer
 _____ (Other)

Analyses Requested
CH₄, BTEX
PH_d
Al - dissolved

Number and Types of Bottle used
3 VOA/Hot
2 Amber litre/Hot
1 ~~500~~²⁵⁰ ml plastic

15.88
 7.94

 7.94
 .16

 4764
 7940

 12704

7.94
 .2

 1.588
 7.94

 9.528

80% DTW 9.52

Method of Shipment
AEN
 (Lab Name)

Courier _____
 Hand Deliver: _____

Well Number: RP-5
 Well Diameter: _____
 Depth of Water: 7.94
 2" (0.16 Gallon/Feet)
 4" (0.65 Gallon/Feet)
 5" (1.02 Gallon/Feet)
 6" (1.47 Gallon/Feet)
 Depth: 15.88
 Height of Water Column: 7.94
 Distance in Well: 1.5

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
<u>1:20</u>								<u>Start Bailing</u>
<u>1:52</u>		<u>1.5</u>		<u>17.3</u>	<u>6.23</u>	<u>628</u>		<u>mod. turbid / sl. odor</u>
<u>1:54</u>		<u>3</u>		<u>17.3</u>	<u>6.19</u>	<u>654</u>		↓
<u>1:57</u>		<u>4.5</u>		<u>17.3</u>	<u>6.14</u>	<u>657</u>		↓
	<u>8.25</u>							
<u>2:05</u>								<u>SAMPLE</u>

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Operator Name: JMR
 Sampling Plan Prepared By: KAG

Date: 4/17/96
 Sample No.: MW-1
 FB: _____
 DUP: _____

Sampling Method: _____
 Centrifugal Pump Disposable Bailer
 Submersible Pump Teflon Bailer
 Hand Bail _____ (Other)

Analyses Requested: BTEX
PH d
dissolved
 Number and Types of Bottle used:
3 VOA/HCL
2 Amber litre/HCL
1 500 ml plastic

16.00
 6.92

 9.08
 .16

 5448
 9080

 1.4528

 9.08
 .2

 1.816
 6.92

 8.736

 80% DTW 8.73

Method of Shipment: AEN
 (Lab Name) Courier _____
 Hand Deliver: _____

Well Number: MW-1 Well Diameter: _____
 Depth of Water: 6.92 2" (0.16 Gallon/Feet)
 Well Depth: 16.00 4" (0.65 Gallon/Feet)
 Height of Water Column: 9.08 5" (1.02 Gallon/Feet)
 Distance in Well: 1.5 6" (1.47 Gallon/Feet)

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
								Start Bailing
1:19		1.5		17.4	6.05	1096		turbid/odor/light sheen
		3		17.4	6.18	1022		↓ ↓ ↓
1:24		4.5		17.1	6.20	973		↓ ↓ ↓
	6.95							
1:30								SAMPLE

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Samplers Name: JMR
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/17/96
 Sample No.: MW-2
 FB: _____
 DUP: _____

- Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer
 _____ (Other)

Analyses Requested
THg, BTEX
TPH d
As - dissolved

Number and Types of Bottle used
3 VOA/Hot
2 Amber litre/Hot
1 ²⁵⁰ ml plastic

15.00
6.63

8.37
.16

50.22
8370

1.3392

8.37
.2

1.674
6.63

8.304

80% DTW 8.30

Method of Shipment
AEN
 (Lab Name)
 Courier _____
 Hand Deliver: _____

Well Number: MW-2 Well Diameter: _____
 Depth of Water: 6.63
 Well Depth: 15.00
 Height of Water Column: 8.37
 Volume in Well: 1.5

- 2" (0.16 Gallon/Feet)
 4" (0.65 Gallon/Feet)
 5" (1.02 Gallon/Feet)
 6" (1.47 Gallon/Feet)

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
<u>10:35</u>								<u>Start Bailing</u>
<u>10:37</u>		<u>1.5</u>		<u>17.1</u>	<u>6.30</u>	<u>1013</u>		<u>turbid/odor/light sheen</u>
<u>10:39</u>		<u>3</u>		<u>17.1</u>	<u>6.22</u>	<u>1002</u>		<u>turbid/odor/light sheen</u>
<u>10:42</u>		<u>4.5</u>		<u>16.9</u>	<u>6.11</u>	<u>918</u>		<u>↓ ↓ ↓</u>
<u>10:45</u>		<u>6</u>		<u>17.0</u>	<u>6.09</u>	<u>928</u>		<u>↓ ↓ ↓</u>
	<u>8.30</u>							
<u>10:55</u>								<u>sample</u>

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

WPA CITY SUPPLY INFO.22JUL94RFL

WATER-QUALITY SAMPLING INFORMATION

Project No.: 3042.00.02
 Project Name: Sherwin Williams (Rifkin)
 Sample Location: EMERYVILLE
 Installers Name: JMK
 Sampling Plan Prepared By: KAG
 Sampling Method: _____

Date: 4/17/96
 Sample No.: MW-3
 FB: _____
 DUP: _____

Centrifugal Pump
 Submersible Pump
 Hand Bail
 Disposable Bailer
 Teflon Bailer
 _____ (Other)

Analyses Requested
BTEX
pH
dissolved

Number and Types of Bottle used
3 VOA/HEL
2 Amber litre/Hot
1 ²⁵⁰ 500 ml plastic

```

      19.20
      7.23
      -----
     11.97
      .16
      -----
      7.182
     1.1970
     -----
    1.9152

      11.97
      .2
      -----
      2.394
      7.23
      -----
      9.624

    80% DTW 9.62
  
```

Method of Shipment
AEN
 (Lab Name)

Courier
 Hand Deliver:

Well Number: MW-3 Well Diameter: _____
 Depth of Water: 7.23
 Depth: 19.20
 Height of Water Column: 11.97
 Volume in Well: 2

TIME	Depth to Water	Volume Purged (Gallons)	Totalizer Reading	Temperature °C	pH (SU)	Cond (mohs)	Turbidity (NTU)	Remarks
<u>4:36</u>								<u>Start Bailing</u>
<u>4:39</u>		<u>2</u>		<u>16.5</u>	<u>6.65</u>	<u>597</u>		<u>sl. turbid / sl. odor</u>
<u>4:42</u>		<u>4</u>		<u>16.4</u>	<u>6.62</u>	<u>438</u>		↓ ↓
<u>4:45</u>		<u>6</u>		<u>16.3</u>	<u>6.54</u>	<u>412</u>		↓ ↓
	<u>7.55</u>							
<u>4:50</u>								<u>SAMPLE</u>

Inlet Depth: _____
 Comments: _____
 (Recommended Method For Purging Well)

APPENDIX B

LABORATORY CERTIFICATES

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

LEVINE-FRICKE
1900 POWELL ST. 12TH FL.
EMERYVILLE, CA 94608

REPORT DATE: 05/01/96

DATE(S) SAMPLED: 04/17/96

DATE RECEIVED: 04/17/96

AEN WORK ORDER: 9604240

ATTN: **KENTON GEE** †
CLIENT PROJ. ID: 3042.00.02
CLIENT PROJ. NAME: SHERWIN WMS.
C.O.C. NUMBER: 14920

PROJECT SUMMARY:

On April 17, 1996, this laboratory received 10 water sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.



Larry Klein
Laboratory Director

LEVINE - FRICKE

SAMPLE ID: MW-2
 AEN LAB NO: 9604240-01A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	32 *	0.5	ug/L	04/23/96
Toluene	108-88-3	1.3 *	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	0.8 *	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	0.62 *	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-2
AEN LAB NO: 9604240-01D
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	4.6 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-2
AEN LAB NO: 9604240-01F
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.028 *	0.002	mg/L	04/29/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-1
AEN LAB NO: 9604240-02A
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	65 *	0.5	ug/L	04/23/96
Toluene	108-88-3	3.5 *	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	5.5 *	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	7 *	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	1.7 *	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-1
 AEN LAB NO: 9604240-02D
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	1.1 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-1
 AEN LAB NO: 9604240.02F
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.034 *	0.002	mg/L	04/29/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-5
 AEN LAB NO: 9604240-03A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/22/96
Toluene	108-88-3	ND	0.5	ug/L	04/22/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/22/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/22/96
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	04/22/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-5
 AEN LAB NO: 9604240-03D
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	0.64 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-5
 AEN LAB NO: 9604240-03F
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.008 *	0.002	mg/L	04/25/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-4-FB
AEN LAB NO: 9604240-04A
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/22/96
Toluene	108-88-3	ND	0.5	ug/L	04/22/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/22/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/22/96
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	04/22/96

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-4
AEN LAB NO: 9604240-05A
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/22/96
Toluene	108-88-3	ND	0.5	ug/L	04/22/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/22/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/22/96
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	04/22/96

ND = Not detected at or above the reporting limit

* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-4
AEN LAB NO: 9604240-05D
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	0.14 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-4
 AEN LAB NO: 9604240-05F
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.009 *	0.002	mg/L	04/25/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-2
 AEN LAB NO: 9604240-06A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/23/96
Toluene	108-88-3	ND	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	ND	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-2
 AEN LAB NO: 9604240-06D
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	0.17 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-2
 AEN LAB NO: 9604240-06F
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.010 *	0.002	mg/L	04/25/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-1
 AEN LAB NO: 9604240-07A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/23/96
Toluene	108-88-3	ND	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	0.12 *	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-1
 AEN LAB NO: 9604240-07D
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-			Extrn Date 04/23/96
TPH as Diesel	GC-FID	0.59 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-1
AEN LAB NO: 9604240-07F
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.058 *	0.002	mg/L	04/29/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9604240
 AEN LAB NO: 0422-BLANK
 DATE ANALYZED: 04/22/96
 INSTRUMENT: H
 MATRIX: WATER

Method Blank

	CAS #	Result (ug/L)	Reporting Limit (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2
HCs as Gasoline		ND mg/L	0.05 mg/L

AEN LAB NO: 0423-BLANK
 DATE ANALYZED: 04/23/96
 INSTRUMENT: H
 MATRIX: WATER

Method Blank

	CAS #	Result (ug/L)	Reporting Limit (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, Total	1330-20-7	ND	2
HCs as Gasoline		ND mg/L	0.05 mg/L

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9604240
 INSTRUMENT: H
 MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery Fluorobenzene
04/23/96	MW-2	01	112
04/23/96	MW-1	02	109
04/22/96	RP-5	03	106
04/22/96	RP-4-FB	04	103
04/22/96	RP-4	05	108
04/23/96	RP-2	06	106
04/23/96	RP-1	07	102
04/23/96	RP-101	08	102
04/23/96	RP-3	09	107
04/23/96	MW-3	10	103
QC Limits:			70-130

DATE ANALYZED: 04/22/96
 SAMPLE SPIKED: 9604240-04
 INSTRUMENT: H

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Benzene	22.2	95	10	85-109	17
Toluene	73.9	90	1	87-111	16
Hydrocarbons as Gasoline	500	106	5	66-117	19

QUALITY CONTROL DATA

AEN JOB NO: 9604240
 SAMPLE SPIKED: DI WATER
 DATE ANALYZED: 04/25-29/96
 MATRIX: WATER

Method Blank and Spike Recovery Summary

Analyte	Inst./ Method	Blank Result (mg/L)	Spike Added (mg/L)	MS Percent Recovery	RPD	QC Limits	
						Percent Recovery	RPD
As, Arsenic	4000/7060	ND	0.04	93	2	69-136	13

*** END OF REPORT ***

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

9604240

Project No.: 3042.00.02 Field Logbook No.: Date: 4-17-96 Serial No.:

Project Name: Sherwin Williams (Rifkin) Project Location: Emeryville No 14920

Sampler (Signature): *J. M. Rife* ANALYSES Samplers: JMR

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES										REMARKS		
						TPHg	BTEX	TPHd	Dissolved AS								HOLD	RUSH
MW-2	4-17-96	10:55	01A-F	6	H ₂ O	X	X	X										
MW-1		11:30	02A-F	6		X	X	X										STD TAT
RP-5		12:05	03A-F	6		X	X	X										
RP-4-FB		12:20	04A-F	3		X												Dissolved AS to be filtered in Lab
RP-4		12:35	05A-F	6		X	X	X										
RP-2		13:10	06A-F	6		X	X	X										
RP-1		13:45	07A-F	6		X	X	X										
RP-101		14:45	08A-F	6		X	X	X										
RP-3		14:15	09A-F	6		X	X	X										
MW-3		14:50	10A-F	6		X	X	X										Results to Kenon Gee

RELINQUISHED BY: <i>J. M. Rife</i> (Signature)	DATE: 4-17-96	TIME: 15:40	RECEIVED BY: <i>[Signature]</i> (Signature)	DATE: 4-17-96	TIME: 15:40
RELINQUISHED BY: <i>[Signature]</i> (Signature)	DATE: 4-17-96	TIME: 16:40	RECEIVED BY: <i>[Signature]</i> (Signature)	DATE: 4-17-96	TIME: 16:40
RELINQUISHED BY: <i>[Signature]</i> (Signature)	DATE:	TIME:	RECEIVED BY: <i>[Signature]</i> (Signature)	DATE:	TIME:
METHOD OF SHIPMENT:	DATE:	TIME:	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500

Analytical Laboratory:
AEN

LEVINE-FRICKE

SAMPLE ID: RP-101
 AEN LAB NO: 9604240-08A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/23/96
Toluene	108-88-3	ND	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	0.15 *	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-101
AEN LAB NO: 9604240-08D
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	0.72 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-101
AEN LAB NO: 9604240-08F
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.069 *	0.002	mg/L	04/29/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-3
 AEN LAB NO: 9604240.09A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/23/96
Toluene	108-88-3	ND	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	0.6 *	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	8 *	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	0.13 *	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-3
AEN LAB NO: 9604240-09D
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	0.42 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: RP-3
AEN LAB NO: 9604240-09F
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.006 *	0.002	mg/L	04/25/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-3
 AEN LAB NO: 9604240-10A
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	0.5	ug/L	04/23/96
Toluene	108-88-3	ND	0.5	ug/L	04/23/96
Ethylbenzene	100-41-4	ND	0.5	ug/L	04/23/96
Xylenes, Total	1330-20-7	ND	2	ug/L	04/23/96
Purgeable HCs as Gasoline	5030/GCFID	0.16 *	0.05	mg/L	04/23/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-3
AEN LAB NO: 9604240.100
AEN WORK ORDER: 9604240
CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
DATE RECEIVED: 04/17/96
REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for TPH	EPA 3510	-		Extrn Date	04/23/96
TPH as Diesel	GC-FID	0.18 *	0.05	mg/L	04/24/96

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

LEVINE-FRICKE

SAMPLE ID: MW-3
 AEN LAB NO: 9604240-10F
 AEN WORK ORDER: 9604240
 CLIENT PROJ. ID: 3042.00.02

DATE SAMPLED: 04/17/96
 DATE RECEIVED: 04/17/96
 REPORT DATE: 05/01/96

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Sample Filtration	0.45 um	-		Filtr Date	04/17/96
#Digestion, Metals by GFAA	EPA 3020	-		Prep Date	04/25/96
Arsenic	EPA 7060	0.018 *	0.002	mg/L	04/25/96

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9604240

CLIENT PROJECT ID: 3042.00.02

Quality Control Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 3510 GCFID

AEN JOB NO: 9604240
AEN LAB NO: 0423-BLANK
DATE EXTRACTED: 04/23/96
DATE ANALYZED: 04/23/96
INSTRUMENT: A
MATRIX: WATER

Method Blank

Analyte	Result (mg/L)	Reporting Limit (mg/L)
Diesel	ND	0.05

QUALITY CONTROL DATA

METHOD: EPA 3510 GCFID

AEN JOB NO: 9604240
 DATE EXTRACTED: 04/23/96
 INSTRUMENT: A
 MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery	
			n-Pentacosane	
04/24/96	MW-2	01	82	
04/24/96	MW-1	02	89	
04/24/96	RP-5	03	88	
04/24/96	RP-4	05	88	
04/24/96	RP-2	06	93	
04/24/96	RP-1	07	94	
04/24/96	RP-101	08	95	
04/24/96	RP-3	09	91	
04/24/96	MW-3	10	94	
QC Limits:			59-118	

DATE EXTRACTED: 04/22/96
 DATE ANALYZED: 04/22/96
 SAMPLE SPIKED: 9604077-02
 INSTRUMENT: A

Matrix Spike Recovery Summary

Analyte	Spike Added (mg/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Diesel	4.00	91	1	58-107	15