March 14, 2005

Peter Van Alyea
Redwood Oil Company
455 Yolanda Avenue
Santa Rosa, CA 95404

Ground Water Monitoring Report
January 2005
Redwood Oil Company Bulk Plant
455 Yolanda Avenue
Santa Rosa, California
ECM Project #98-507-14

Dear Mr. Van Alyea:

This report provides the results of the semi-annual ground water monitoring at the Redwood Oil Company Bulk Plant, located at 455 Yolanda Avenue in Santa Rosa, California (Figure 1, Attachment A). ECM group personnel conducted ground water monitoring at the site between January 17 and January 20, 2005. Ground water elevations were measured in eighteen of the regular wells (MW-1 through MW-5, MW-5A, MW-7 through MW-12, MW-15, MW-16, MW-18 through MW-20, and V-1) and seven multilevel wells (MW-21 through MW-23, MW-26, and MW-28 through MW-30) (Figure 2, Attachment A). Ground water samples were collected from wells MW-1 through MW-4, MW-7, MW-9, MW-10 and the multilevel wells MW-21 through MW-23, MW-26, and MW-28 through MW-30. Ground water samples were collected in accordance with the site monitoring schedule.

Free-phase hydrocarbons were not observed in any of the wells. Well heads and well vaults were observed to be in good condition. Water level data is shown in Tables 1 and 2 (Attachment B) and a ground water elevation contour map is included as Figure 2 (Attachment A). Purge water and decon rinseate were disposed of in the site treatment system holding tank.

Samples were forwarded under chain of custody record to Friedman & Bruya, Inc., of Seattle,

Washington for analysis. Analytic results for ground water are presented in Tables 3 through 6 (Attachment B). Ground water samples were collected in accordance with ECM Standard Operating Procedure - Ground Water Sampling (Attachment E). The chain of custody documents and laboratory analytic reports are included in Attachment C. Water Sampling Data Sheets are included in Attachment D.

Thank you for the opportunity to provide services to Redwood Oil Company. Please call if you have any questions.

Sincerely,
ECM group

David Hazard
Environmental Scientist

Chris Bramer
Professional Engineer #C048846

Attachments:
A - Figures
B - Tables
C - Chain of Custody Documents and Laboratory Analytic Report
D - Water Sampling Data Sheets
E - Standard Operating Procedures

cc: Joan Fleck, North Coast Regional Water Quality Control Board

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APPENDIX A
FIGURES

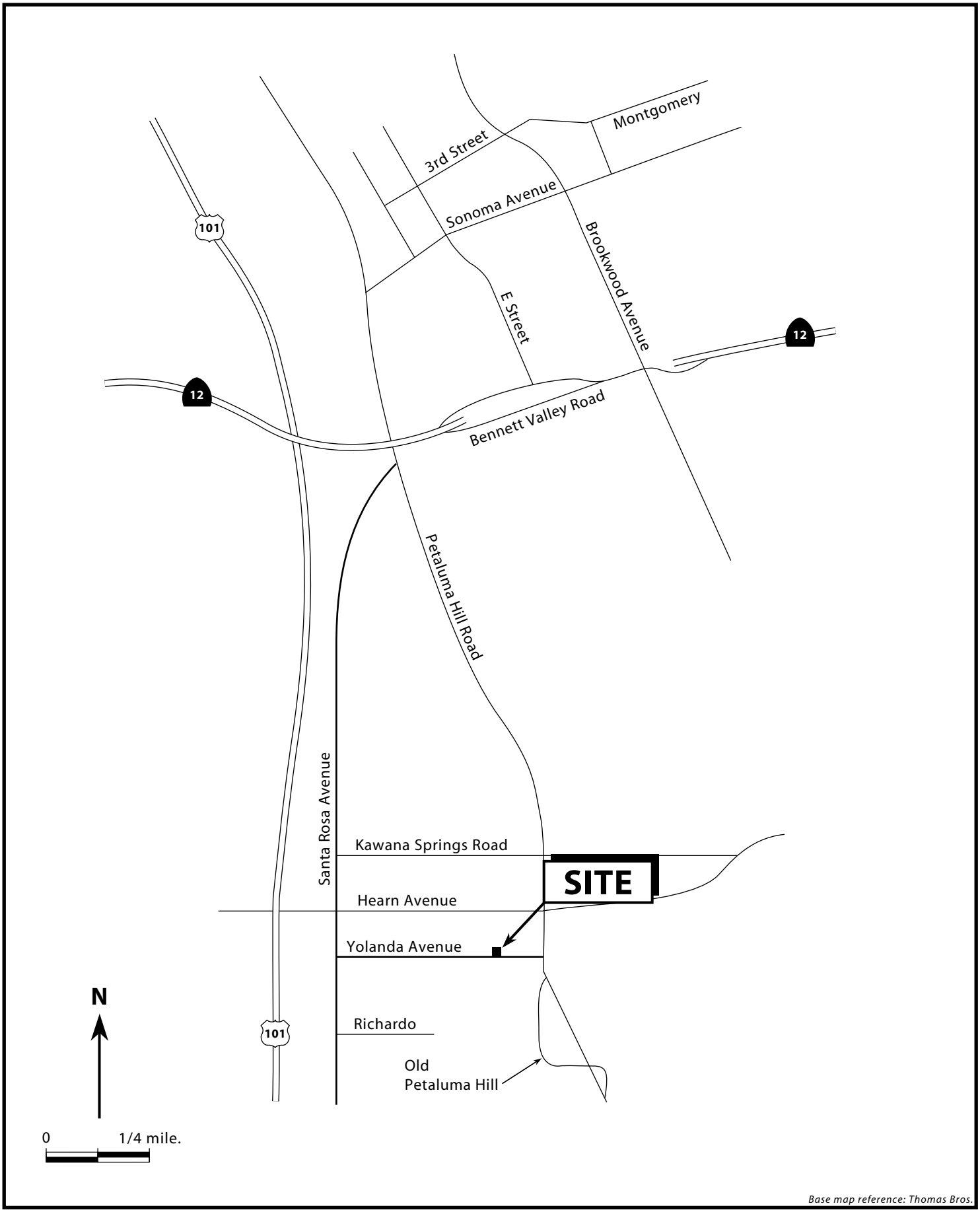

Figure 1. Site Location Map - Redwood Oil Service Station, 455 Yolanda Avenue, Santa Rosa, California

98-507 [Site Loc map] 3/19/02

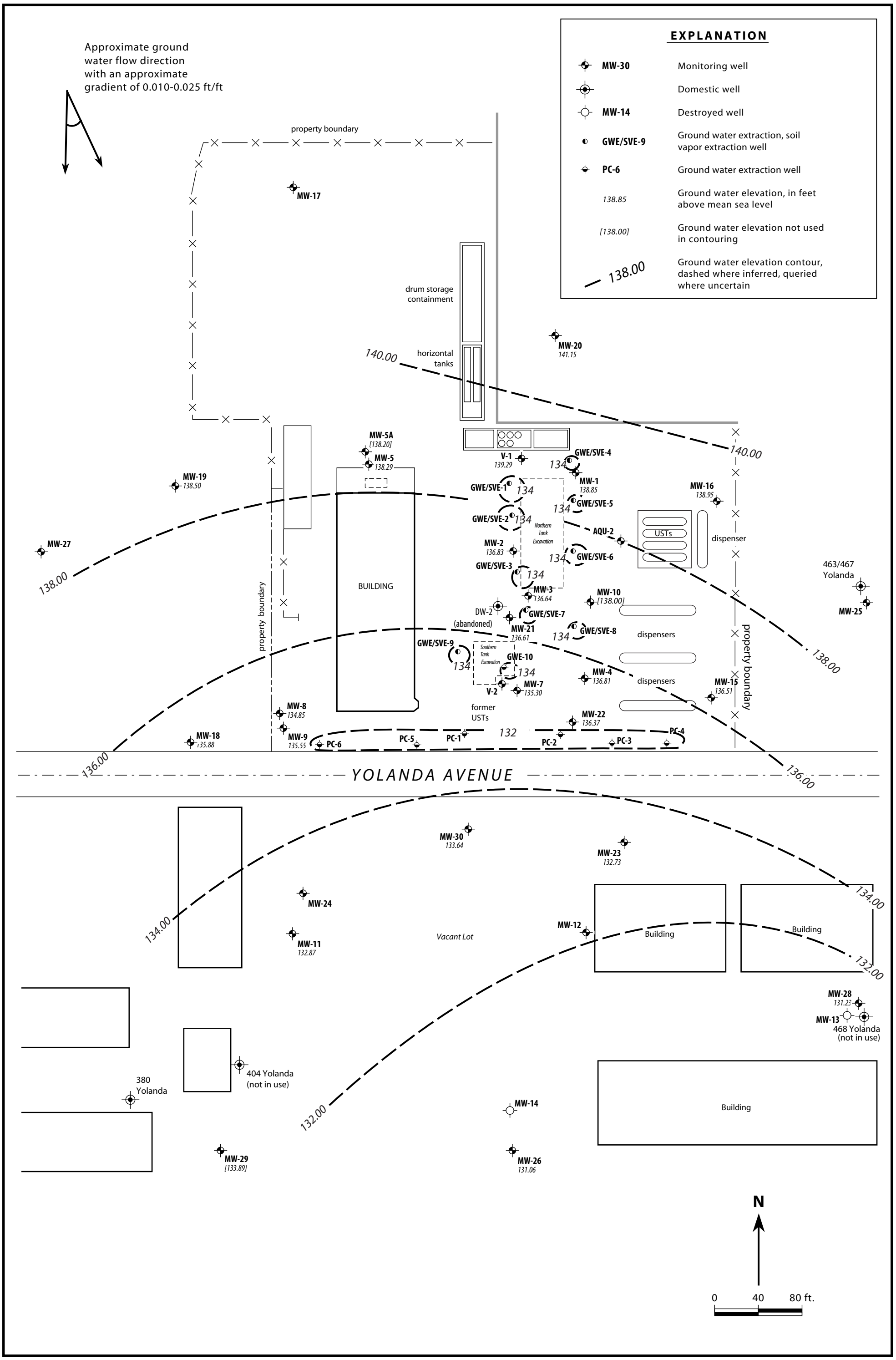

Figure 2. Well Locations and Ground Water Elevation Contour Map - 1/17/05 - 1/20/05 - Redwood Oil Bulk Plant, 455 Yolanda Avenue, Santa Rosa, California

98-507-14 [GW 1-05] 03/10/05

APPENDIX B
TABLES

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-1	1/11/91	Dry	102.77[1]	---	--	9 - 24	7 - 24	0 - 7
	2/8/91	Dry		---	---			
	3/8/91	Dry		---	---			
	6/13/91	22.02		80.75	0			
	7/9/91	22.22		80.55	0			
	8/1/91	22.00		80.77	0			
	8/29/91	21.73		81.04	0			
	9/11/91	21.75		81.02	0			
	10/8/91	22.04		80.73	0			
	11/8/91	22.23		80.54	0			
	12/11/91	Dry		---	0			
	1/13/92	21.41		81.36	0			
	2/11/92	20.25		82.52	0			
	3/11/92	12.79		89.98	0			
	4/13/92	13.76		89.01	0			
	5/15/92	15.49		87.28	0			
	6/15/92	16.85		85.92	0			
	7/16/92	17.74		85.03	0			
	8/18/92	17.56		85.21	0			
	9/18/92	18.62		84.15	0			
	12/8/92	18.38		84.39	0			
	3/10/93	13.29		89.48	0			
	6/4/93	12.77		90.00	0			
	10/14/93	23.66		79.11	0			
	4/11/94	14.58		88.19	0			
	10/19/94	14.51		88.26	0			
	4/11/95	9.18		93.59	0			
	3/6/96	10.16		92.61	0			
	10/14/96[2]	12.36	102.78	90.42	0			
	4/9/97	10.75		92.03	0			
	10/29/97	13.28		89.50	0			
	4/7/98	8.06		94.72	0			
	10/7/98	11.51		91.27	0			
	4/7/99	8.71		94.07	0			
	10/19/99	11.98		90.80	0			
	4/26/00[6]	---		---	0			
	10/30/00	11.41	146.16[9]	134.75	0			
	2/1/01	11.28		134.88	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-1	4/23/01	14.29	146.16	131.87	0	9 - 24	7 - 24	0 - 7
cont.	7/23/01	14.88		131.28	0			
	10/23/01	16.46		129.70	0			
	1/21/02	12.77	148.81[16]	136.04	0			
	4/25/02	12.80		136.01	0			
	7/22/02	13.20		135.61	0			
	10/22/02	13.76		135.05	0			
	1/27/03	13.00		135.81	0			
	4/21/03	12.85		135.96	0			
	7/21/03	13.36		135.45	0			
	1/20/04	10.04		138.77	0			
	7/19/04	13.04		135.77	0			
	1/18/05	**9.96**		**138.85**	**0**			
MW-2	1/11/91	21.36	102.18[1]	80.82	0	10 - 25	7.5 - 25	0 - 7.5
	2/8/91	18.24		83.94	0			
	3/8/91	16.52		85.66	0			
	6/13/91	20.95		81.23	0			
	7/9/91	20.98		81.20	0			
	8/1/91	20.98		81.20	0			
	8/29/91	21.28		80.90	0			
	9/11/91	21.36		80.82	0			
	10/8/91	21.83		80.25	0.22			
	11/8/91	20.56		81.62	0			
	12/11/91	21.08		81.10	0			
	1/13/92	18.56		83.62	0			
	2/11/92	14.3		87.88	0			
	3/11/92	11.81		90.37	0			
	4/13/92	13.23		88.95	0			
	5/15/92	15.09		87.09	0			
	6/15/92	16.95		85.23	0			
	7/16/92	17.96		84.22	0			
	8/18/92	17.76		84.42	0			
	9/18/92	18.75		83.43	0			
	12/8/92	14.66		87.52	0			
	3/10/93	12.8		89.38	0			
	6/4/93	13.25		88.93	0			
	10/14/93	16.20		85.98	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-2	4/11/94	14.85		87.33	0	10 - 25	7.5 - 25	0 - 7.5
cont	10/19/94	15.04	102.19	87.14	0			
	4/11/95	9.77		92.41	0			
	3/6/96	10.12		92.06	0			
	10/14/96	12.45		89.74	0			
	4/10/97	10.79		91.40	0			
	35731	13.32		88.87	0			
	4/7/98	8.02		94.17	0			
	10/7/98	11.64		90.55	0			
	4/7/99	8.79		93.40	0			
	10/19/99	12.05		90.14	0			
	4/26/00[6]	---		---	---			
	10/30/00	10.80	145.32[9]	134.52	0			
	2/1/01	10.70		134.62	0			
	4/23/01	13.74		131.58	0			
	7/23/01	14.22		131.10	0			
	10/23/01	16.04		129.28	0			
	1/21/02	13.36	147.97[16]	134.61	0			
	4/25/02	13.80		134.17	0			
	7/22/02	13.81		134.16	0			
	10/22/02	13.82		134.15	0			
	1/27/03	13.18		134.79	0			
	4/21/03	12.34		135.63	0			
	7/21/03	13.01		134.96	0			
	1/20/04	11.81		136.16	0			
	7/19/04	12.84		135.13	0			
	1/18/05	**11.14**		**136.83**	**0**			
MW-3	1/11/91	Dry	101.94[1]	---	---	18 - 33	17 - 33	0 - 17
	2/8/91	Dry		---	---			
	3/8/91	28.28		73.66	0			
	6/13/91	Dry		---	---			
	7/9/91	Dry		---	---			
	8/1/91	Dry		---	---			
	8/29/91	Dry		---	---			
	9/11/91	Dry		---	---			
	10/8/91	Dry		---	---			
	11/8/91	Dry		---	---			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-3	12/11/91	Dry	101.94	---	---	18 - 33	17 - 33	0 - 17
cont	1/13/92	Dry		---	---			
	2/11/92	18.82		83.12	0			
	3/11/92	11.76		90.18	0			
	4/13/92	12.25		89.69	0			
	5/15/92	15.35		86.59	0			
	6/15/92	17.61		84.33	0			
	7/16/92	19.86		82.08	0			
	8/18/92	19.66		82.28	0			
	/18/92	26.00		75.94	0			
	12/8/92	17.24		84.70	0			
	3/10/93	14.60		87.34	0			
	6/4/93	13.95		87.99	0			
	10/14/93	Dry		---	---			
	4/11/94	16.58		85.36	0			
	10/19/94	16.01		85.93	0			
	4/11/95	11.12		90.82	0			
	3/6/96	11.72		90.22	0			
	10/14/96	13.94	101.97	88.03	0			
	4/10/97	12.08		89.90	0.01			
	10/29/97	16.02		85.99	0.02			
	4/7/98	9.97		92.00	0			
	10/7/98	12.66		89.31	0			
	4/7/99	9.70		92.27	0			
	10/19/99	13.15		88.82	0			
	4/26/00[6]	---		---	---			
	10/30/00[10]	---	145.10[9]	---	---			
	2/1/01	12.33		132.77	0			
	4/23/01[13]	---		---	---			
	7/23/01	14.98		130.12	0			
	10/23/01	17.00		128.10	0			
	1/21/02	13.67	147.75[16]	134.08	0			
	4/25/02	14.50		133.25	0			
	7/22/02	14.96		132.79	0			
	10/22/02	15.22		132.53	0			
	1/27/03	14.21		133.54	0			
	4/21/03	13.47		134.28	0			
	7/21/03	14.43		133.32	0			

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Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-3	1/20/04	12.00	147.75[16]	135.75	0	18 - 33	17 - 33	0 - 17
cont.	7/19/04	14.03		133.72	0			
	1/18/05	**11.11**		**136.64**	**0**			
MW-4	1/11/91	Dry	101.47[1]	---	---	10 - 25	7 - 25	0 - 7
	2/8/91	Dry		---	---			
	3/8/91	Dry		---	---			
	6/13/91	Dry		---	---			
	7/9/91	Dry		---	---			
	8/1/91	Dry		---	---			
	8/29/91	Dry		---	---			
	9/11/91	Dry		---	---			
	10/8/91	Dry		---	---			
	11/8/91	Dry		---	---			
	12/11/91	Dry		---	---			
	1/13/92	24.47		77.00	0			
	2/11/92	26.06		75.41	0			
	3/11/92	23.46		78.01	0			
	4/13/92	24.25		77.22	0			
	5/15/92	Dry			---			
	6/15/92	Dry			---			
	7/16/92	Dry		---	---			
	8/18/92	Dry		---	---			
	9/18/92	Dry		---	---			
	12/8/92	Dry		---	---			
	3/10/93	Dry		---	---			
	6/4/93	Dry		---	---			
	10/14/93	Dry		---	---			
	4/11/94	Dry		---	---			
	10/19/94	Dry		---	---			
	4/11/95	Dry		---	---			
	3/6/96	16.52		84.95	0			
	10/14/96	20.39	101.70	81.31	0			
	4/10/97	16.02		85.68	0			
	10/29/97	21.61		80.09	0			
	4/7/98	11.3		90.4	0			
	10/7/98	15.53		86.17	0			
	4/7/99	11.95		89.75	0			

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Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-4	10/19/99	15.15	101.70	86.55	0	10 - 25	7 - 25	0 - 7
cont	4/26/00	10.38		91.32	0			
	6/1/00	---	101.17[8]	---	---			
	10/30/00	13.78	145.47[9]	131.69	0			
	2/1/01	13.41		132.06	0			
	4/23/01	19.27		126.20	0			
	7/23/01	17.65		127.82	0			
	10/23/01	19.88		125.59	0			
	1/21/02	13.62	148.12[16]	134.50	0			
	4/25/02	14.47		133.65	0			
	7/22/02	15.57		132.55	0			
	10/22/02	17.23		130.89	0			
	1/27/03	13.00		135.12	0			
	4/21/03	13.42		134.70	0			
	7/21/03	14.15		133.97	0			
	1/20/04	11.67		136.45	0			
	7/19/04	14.47		133.65	0			
	1/18/05	**11.31**		**136.81**	**0**			
MW-5	6/13/91	25.84	101.37[1]	75.53	0	34.5 - 44.5	32.5 - 44.5	0 - 32.5
	7/9/91	25.98		75.39	0			
	8/1/91	23.22		78.15	0			
	8/29/91	22.79		78.58	0			
	9/11/91	22.58		78.79	0			
	10/8/91	27.46		73.91	0			
	11/8/91	24.36		77.01	0			
	12/11/91	23.35		78.02	0			
	1/13/92	23.96		77.41	0			
	2/11/92	23.67		77.70	0			
	3/11/92	22.01		79.36	0			
	4/13/92	21.50		79.87	0			
	5/15/92	18.96		82.41	0			
	6/15/92	18.72		82.65	0			
	7/16/92	19.88		81.49	0			
	8/18/92	19.38		81.99	0			
	9/18/92	19.60		81.77	0			
	12/8/92	20.04		81.33	0			
	3/10/93	16.60		84.77	0			

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Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-5	6/4/93	15.96	101.37	85.41	0	34.5 - 44.5	32.5 - 44.5	0 - 32.5
Cont	10/14/93	18.68		82.69	0			
	4/11/94	14.46		86.91	0			
	10/19/94	15.56		85.81	0			
	4/11/95	9.52		91.85	0			
	3/6/96	10.60	101.34	90.77	0			
	10/14/96	11.81		89.53	0			
	4/9/97	10.08		91.26	0			
	10/29/97	15.05		86.29	0			
	4/7/98	8.01		93.33	0			
	10/7/98	9.82		91.52	0			
	4/7/99	9.12		92.22	0			
	10/19/99	12.96		88.38	0			
	4/26/00	9.28		92.06	0			
	10/30/00[11]	---	145.73[9]	---	---			
	2/1/01	11.52		134.21	0			
	4/23/01	15.25		130.48	0			
	7/23/01	13.22		132.51	0			
	10/23/01	13.15		132.58	0			
	1/21/02	12.50	148.38[16]	135.88	0			
	4/25/02	12.02		136.36	0			
	7/22/02	11.00		137.38	0			
	10/22/02	11.40		136.98	0			
	1/27/03	10.78		137.60	0			
	4/21/03	9.15		139.23	0			
	1/20/04	8.00		140.38	0			
	7/19/04	10.53		137.85	0			
	1/18/05	**10.09**		**138.29**	**0**			
MW-5A	10/14/96	11.80	101.37[1]	89.57	0	50 - 60	49 - 60	0 - 49
	4/10/97	10.16		91.21	0			
	10/29/97	16.80		84.57	0			
	4/7/98	9.64		91.73	0			
	10/7/98	10.09		91.28	0			
	4/7/99	7.55		93.82	0			
	10/19/99[5]	---		---	---			
	4/26/00	7.58		93.79	0			
	10/30/00[11]	---	145.70[9]	---	---			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-5A	2/1/01	11.17		134.53	0	50 - 60	49 - 60	0 - 49
cont	4/23/01	11.75		133.95	0			
	7/23/01	12.58		133.12	0			
	10/23/01	13.71		131.99	0			
	1/21/02	12.55	148.35[16]	135.80	0			
	4/25/02	11.45		136.90	0			
	7/22/02	10.75		137.60	0			
	10/22/02	10.90		137.45	0			
	1/27/03	10.31		138.04	0			
	4/21/03	10.35		138.00	0			
	7/19/04	10.03		138.32	0			
	1/18/05	**10.15**		**138.20**	**0**			
MW-7	6/13/91	34.93	100.86[1]	65.93	0	51 - 60	49 - 60	0 - 49
	7/9/91	35.05		65.81	0			
	8/1/91	35.76		65.10	0			
	8/29/91	37.28		63.58	0			
	9/11/91	36.71		64.15	0			
	10/8/91	36.59		64.27	0			
	11/8/91	36.31		64.55	0			
	12/11/91	36.55		63.31	0			
	1/13/92	37.03		63.83	0			
	2/11/92	36.20		64.66	0			
	3/11/92	34.51		66.35	0			
	4/13/92	33.85		67.01	0			
	5/15/92	33.04		67.82	0			
	6/15/92	35.53		65.33	0			
	7/16/92	35.42		65.44	0			
	8/18/92	35.03		65.83	0			
	9/18/92	35.52		65.34	0			
	12/8/92	34.36		66.50	0			
	3/10/93	30.21		70.65	0			
	6/4/93	29.33		71.53	0			
	10/14/93	32.23		68.63	0			
	4/11/94	28.87		71.99	0			
	10/19/94	31.19		69.67	0			
	4/11/95	22.49		78.37	0			
	3/6/96	21.44		79.42	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-7	10/14/96	Dry	101.03[2]	---	---	51 - 60	49 - 60	0 - 49
cont	4/9/97	20.67		80.36	0			
	10/29/97	24.71		76.32	0			
	4/7/98	16.96		84.07	0			
	10/7/98	19.46		81.57	0			
	4/7/99	15.27		85.76	0			
	10/19/99	18.79		82.24	0			
	4/26/00	13.45	144.72[9]	87.58	0			
	10/30/00	17.01		127.71	0			
	2/1/01	16.17		128.55	0			
	4/23/01	18.12		126.60	0			
	7/23/01	19.53		125.19	0			
	10/23/01	22.00		122.72	0			
	1/21/02	16.30	147.37[16]	131.07	0			
	4/25/02	16.27		131.10	0			
	7/22/02	17.81		129.56	0			
	10/22/02	18.90		128.47	0			
	1/27/03	15.20		132.17	0			
	4/21/03	14.92		132.45	0			
	7/21/03	16.27		131.10	0			
	1/20/04	14.37		133.00	0			
	7/19/04	17.90		129.47	0			
	1/18/05	**12.07**		**135.30**	**0**			
MW-8	6/13/91	32.68	101.53[1]	68.85	0	49 - 59	47.5 - 59	0 - 47.5
	7/9/91	32.81		68.72	0			
	8/1/91	33.26		68.27	0			
	8/29/91	34.06		67.47	0			
	9/11/91	34.70		66.83	0			
	10/8/91	37.63		63.90	0			
	11/8/91	35.73		65.80	0			
	12/11/91	34.99		66.54	0			
	1/13/92	34.34		67.19	0			
	2/11/92	34.54		66.99	0			
	3/11/92	32.42		69.11	0			
	4/13/92	30.46		71.07	0			
	5/15/92	30.80		70.73	0			
	6/15/92	31.82		69.71	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-8	7/16/92	33.01	101.53	68.52	0	49 - 59	47.5 - 59	0 - 47.5
cont	8/18/92	32.90		68.63	0			
	9/18/92	33.60		67.93	0			
	12/8/92	33.07		68.46	0			
	3/10/93	26.87		74.66	0			
	6/4/93	25.39		76.14	0			
	10/14/93	29.90		71.63	0			
	4/11/94	26.70		74.83	0			
	10/19/94	15.56		85.97	0			
	4/11/95	19.87		81.66	0			
	3/6/96	19.03		82.50	0			
	10/14/96	22.90	101.42[2]	78.52	0			
	4/10/97	19.06		82.36	0			
	10/29/97	23.91		77.51	0			
	4/7/98	15.15		86.27	0			
	10/7/98	19.02		82.40	0			
	4/7/99	14.39		87.03	0			
	10/19/99	19.40		82.02	0			
	4/26/00	13.78		87.64	0			
	10/30/00	17.90	144.85[9]	126.95	0			
	2/1/01	16.78		128.07	0			
	4/23/01	17.25		127.60	0			
	7/23/01	19.18		125.67	0			
	10/23/01	21.80		123.05	0			
	1/21/02	14.21	147.50[16]	133.29	0			
	4/25/02	15.82		131.68	0			
	7/22/02	15.50		132.00	0			
	10/22/02	18.70		128.80	0			
	1/27/03	14.85		132.65	0			
	4/21/03	14.80		132.70	0			
	7/21/03	16.30		131.20	0			
	1/20/04	14.31		133.19	0			
	7/19/04	15.65		131.85	0			
	1/18/05	**12.65**		**134.85**	**0**			
MW-9	10/14/96	16.40	100.29[1]	83.89	0	8 - 26	7 - 26	0 - 7
	4/10/97	12.98		87.31	0			
	10/29/97	16.06		84.23	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-9	4/7/98	10.31	100.29	89.98	0	8 - 26	7 - 26	0 - 7
cont	10/7/98	14.48		85.81	0			
	4/7/99	10.90		89.39	0			
	10/19/99	14.65		82.08	0			
	4/26/00	11.51		88.78	0			
	10/30/00	14.42	144.66[9]	130.24	0			
	2/1/01	14.12		130.54	0			
	4/23/01	15.54		129.12	0			
	7/23/01	16.45		128.21	0			
	10/23/01	18.80		125.86	0			
	1/21/02	15.52	147.31[16]	131.79	0			
	4/25/02	14.64		132.67	0			
	7/22/02	17.55		129.76	0			
	10/22/02	16.00		131.31	0			
	1/27/03	13.64		133.67	0			
	4/21/03	13.75		133.56	0			
	7/21/03	14.60		132.71	0			
	1/20/04	13.12		134.19	0			
	7/19/04	14.36		132.95	0			
	1/18/05	**11.76**		**135.55**	**0**			
MW-10	4/10/99	12.04	102.04[8]	0.00	0	5 - 20	4.5 - 20	0 - 4.5
	10/19/99	13.33		0.00	0			
	4/26/00	9.55		---	0			
	10/30/00	10.25	145.40[9]	135.15	0			
	2/1/01	11.37		134.03	0			
	4/23/01	13.92		131.48	0			
	7/23/01	14.75		130.65	0			
	10/23/01	17.21		128.19	0			
	1/21/02	13.00	148.05[16]	135.05	0			
	4/25/02	14.05		134.00	0			
	7/22/02	14.30		133.75	0			
	10/22/02	14.70		133.35	0			
	1/27/03	12.62		135.43	0			
	4/21/03	12.81		135.24	0			
	7/21/03	13.75		134.30	0			
	1/20/04	11.71		136.34	0			
	7/19/04	13.36		134.69	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-10	**1/18/05**	**10.05**	148.05	**138.00**	**0**	5 - 20	4.5 - 20	0 - 4.5
MW-11	5/8/00	18.21	101.74[7]	83.53	0	15-35	13-35	0-13
	6/7/00	19.05		82.69	0			
	10/30/00	23.70	146.37[9]	122.67	0			
	2/1/01	21.73		124.64	0			
	4/23/01	20.21		126.16	0			
	7/23/01	22.69		123.68	0			
	10/23/01	25.65		120.72	0			
	1/21/02	17.95	149.02[16]	131.07	0			
	4/25/02	17.35		131.67	0			
	7/22/02	20.10		128.92	0			
	10/22/02	21.91		127.11	0			
	1/27/03	17.32		131.70	0			
	4/21/03	16.36		132.66	0			
	7/21/03	18.08		130.94	0			
	1/20/04	16.27		132.75	0			
	7/19/04	**---**		**---**	**---**			
MW-12	5/8/00	20.75	101.15[7]	80.40	0	10 - 30	8 - 30	0 - 8
	6/7/00	21.25		79.90	0			
	10/30/00	25.43	146.38[9]	120.95	0			
	2/1/01	24.27		122.11	0			
	4/23/01	22.00		124.38	0			
	7/23/01	24.11		122.27	0			
	10/23/01	26.38		120.00	0			
	1/21/02	19.70	149.03[16]	129.33	0			
	4/25/02	18.91		130.12	0			
	7/22/02	21.21		127.82	0			
	10/22/02	23.98		125.05	0			
	1/27/03	18.75		130.28	0			
	4/21/03	17.81		131.22	0			
	7/21/03	19.71		129.32	0			
	1/20/04	18.43		130.60	0			
	7/19/04	18.39		130.64	0			
	1/18/05	**16.94**		**132.09**	**0**			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-13[15]	5/8/00	22.60	101.81[7]	79.21	0	10 - 30	8 - 30	0 - 8
	6/7/00	23.03		78.78	0			
	10/30/00	27.14	147.32[9]	120.18	0			
	2/1/01	26.11		121.21	0			
	4/23/01	23.56		123.76	0			
	7/23/01	25.76		121.56	0			
	10/23/01	27.60		119.72	0			
MW-14[15]	5/8/00	20.37	99.77[7]	79.40	0	10-30	8-30	0-8
	6/7/00	20.72		79.05	0			
	10/30/00	24.61	144.96[9]	120.35	0			
	2/1/01	23.57		121.39	0			
	4/23/01	21.13		123.83	0			
	7/23/01	23.18		121.78	0			
	10/23/01	25.50		119.46	0			
MW-15	5/8/00	13.51	---	---	0	8-25	7-25	0-7
	6/7/00	13.73	101.06[8]	87.33	0			
	10/30/00	14.64	145.44[9]	130.80	0			
	2/1/01	15.04		130.40	0			
	4/23/01	16.72		128.72	0			
	7/23/01	19.62		125.82	0			
	10/23/01	22.17		123.27	0			
	1/21/02	14.80	148.09[16]	133.29	0			
	4/25/02	14.88		133.21	0			
	7/22/02	16.47		131.62	0			
	10/22/02	18.84		129.25	0			
	1/27/03	13.88		134.21	0			
	4/21/03	13.31		134.78	0			
	7/21/03	14.11		133.98	0			
	1/20/04	13.15		134.94	0			
	7/19/04	13.12		134.97	0			
	1/18/05	**11.58**		**136.51**	**0**			
MW-16	5/8/00	14.85	---	---	0	8-25	7-25	0-7
	6/7/00	15.53	102.58[8]	87.05	0			
	10/30/00	18.77	147.68	128.91	0			
	2/1/01	18.17		129.51	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-16	4/23/01	14.58	147.68	133.10	0	8-25	7-25	0-7
cont	7/23/01	24.26		123.42	0			
	10/23/01	23.40		124.28	0			
	1/21/02	14.11	150.33[16]	136.22	0			
	4/25/02	13.66		136.67	0			
	7/22/02	17.60		132.73	0			
	10/22/02	18.75		131.58	0			
	1/27/03	12.97		137.36	0			
	4/21/03	13.98		136.35	0			
	7/21/03	14.66		135.67	0			
	1/20/04	12.38		137.95	0			
	7/19/04	13.41		136.92	0			
	1/18/05	**11.38**		**138.95**	**0**			
MW-17	5/8/00	7.80	103.65[7]	95.85	0	8 - 25	7 - 25	0 - 7
	6/7/00	8.51		95.14	0			
	10/30/00	17.00	148.28[9]	131.28	0			
	2/1/01	7.86		140.42	0			
	4/23/01	8.38		139.90	0			
	8/22/01	11.80		136.48	0			
	10/23/01	13.15		135.13	0			
	1/21/02	7.10	150.93[16]	143.83	0			
	4/25/02	6.70		144.23	0			
	7/22/02[13]	---		---	---			
	10/22/02	11.31		139.62	0			
	1/27/03	9.55		141.38	0			
	4/21/03[13]	—		—	---			
	1/20/04[13]	—		—	---			
	7/19/04	**---**		**---**	**---**			
	1/17/05	**---**		**---**	**---**			
MW-18	5/8/00	11.20	99.67[7]	88.47	0	8 - 25	7 - 25	0 - 7
	6/7/00	11.56		88.11	0			
	10/30/00	14.79	144.14[9]	129.35	0			
	2/1/01	13.91		130.23	0			
	4/23/01	13.30		130.84	0			
	7/23/01	14.71		129.43	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-18	10/23/01	18.15	144.14	125.99	0	8 - 25	7 - 25	0 - 7
cont	1/21/02	12.15	146.79[16]	134.64	0			
	4/25/02	12.29		134.50	0			
	7/22/02	13.76		133.03	0			
	10/22/02	14.76		132.03	0			
	1/27/03	11.41		135.38	0			
	4/21/03	11.58		135.21	0			
	7/21/03	12.71		134.08	0			
	1/20/04	11.19		135.60	0			
	7/19/04	12.67		134.12	0			
	1/17/05	**10.91**		**135.88**	**0**			
MW-19	5/8/00	8.95	100.42[7]	91.47	0	8 - 25	7 - 25	0 - 7
	6/7/00	9.62		90.80	0			
	10/30/00	12.66	145.18[9]	132.52	0			
	2/1/01	12.65		132.53	0			
	4/23/01	10.55		134.63	0			
	7/23/01	12.27		132.91	0			
	10/23/01	13.92		131.26	0			
	1/21/02	9.44	147.83[16]	138.39	0			
	4/25/02	9.61		138.22	0			
	7/22/02	10.65		137.18	0			
	10/22/02	11.66		136.17	0			
	1/27/03	9.60		138.23	0			
	4/21/03	9.16		138.67	0			
	7/21/03	9.55		138.28	0			
	1/20/04	9.20		138.63	0			
	7/19/04	10.68		137.15	0			
	1/17/05	**9.33**		**138.50**	**0**			
MW-20	6/7/00	9.47	103.13[8]	93.66	0	10-25	8-25	6-8
	10/30/00	11.81	147.48[9]	135.67	0			
	2/15/01[12]	11.42		136.06	0			
	4/23/01[13]	---		---	---			
	7/23/01	12.37		135.11	0			
	10/23/01	13.45		134.03	0			
	1/21/02	9.68	150.13[16]	140.45	0			
	4/25/02[13]	—		—	---			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
MW-20	7/22/02	11.41	150.13	138.72	0	10-25	8-25	6-8
cont	10/22/02	11.98		138.15	0			
	1/27/03	10.78		139.35	0			
	4/21/03	9.87		140.26	0			
	7/21/03	12.16		137.97	0			
	1/20/04	8.94		141.19	0			
	7/19/04	10.78		139.35	0			
	1/17/05	**8.98**		**141.15**	**0**			
V-1	6/13/91	21.89	102.53	80.64	0	15.5 - 25.5	13.5 - 25.5	0 - 13.5
	7/9/91	21.91		80.62	0			
	8/1/91	21.34		81.19	0			
	8/29/91	21.10		81.43	0			
	9/11/91	21.25		81.28	0			
	10/8/91	22.88		79.65	0			
	11/8/91	22.15		80.38	0			
	12/11/91	dry		---	---			
	1/13/92	21.28		81.25	0			
	2/11/92	18.75		83.78	0			
	3/11/92	13.54		88.99	0			
	4/13/92	14.52		88.01	0			
	5/15/92	15.18		87.35	0			
	6/15/92	16.29		86.24	0			
	7/16/92	17.22		85.31	0			
	8/18/92	17.08		85.45	0			
	9/18/92	18.25		84.28	0			
	12/8/92	17.80		84.73	0			
	3/10/93	15.59		86.94	0			
	6/4/93	14.97		87.56	0			
	10/14/93	14.66		87.87	0			
	4/11/94	14.00		88.53	0			
	10/19/94	13.92		88.61	0			
	4/11/95	9.28		93.25	0			
	3/6/96	9.72		92.81	0			
	10/14/96	11.91	102.51	90.60	0			
	4/9/97	10.48		92.03	0			
	10/29/97	13.96		88.57	0.02			
	4/7/98	8.01		94.5	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
V-1	10/7/98	11.10	102.51	91.41	0	15.5 - 25.5	13.5 - 25.5	0 - 13.5
cont	4/7/99	8.15		94.36	0			
	10/19/99	11.49		91.02	0			
	4/26/00	8.64		93.87	0			
	10/30/00	11.85	146.85[9]	135.00	0			
	2/26/01	12.55		134.30	0			
	4/23/01	13.14		133.71	0			
	7/23/01	13.73		133.12	0			
	10/23/01	14.85		132.00	0			
	1/21/02	11.70	149.50[16]	137.80	0			
	4/25/02	11.65		137.85	0			
	7/22/02	12.52		136.98	0			
	10/22/02	12.90		136.60	0			
	1/27/03	11.43		138.07	0			
	4/21/03	11.44		138.06	0			
	7/21/03	12.08		137.42	0			
	1/20/04	10.54		138.96	0			
	7/19/04	11.92		137.58	0			
	1/17/05	**10.21**		**139.29**	**0**			
V-2	6/13/91	Dry	101.13	---	---	8 - 23	7 - 23	0 - 7
	7/9/91	Dry		---	---			
	8/1/91	Dry		---	---			
	8/29/91	Dry		---	---			
	9/11/91	Dry		---	---			
	10/8/91	Dry		---	---			
	11/8/91	Dry		---	---			
	12/11/91	Dry		---	---			
	1/13/92	18.39		82.74	0			
	2/11/92	21.16		79.97	0			
	3/11/92	16.86		84.27	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
V-2	4/13/92	17.03	101.13	84.10	0			
cont	5/15/92	17.78		83.35	0			
	6/15/92	21.44		79.69	0			
	7/16/92	Dry		---	---			
	8/18/92	Dry		---	---			
	9/18/92	Dry		---	---			
	12/8/92	19.41		81.72	0			
	3/10/93	13.62		87.51	0			
	6/4/93	12.98		88.15	0			
	10/14/93	Dry		---	---			
	4/11/94	20.11		81.02	0			
	10/19/94	Dry		---	---			
	4/11/95	12.14		88.99	0			
	3/6/96	13.01		88.12	0			
	10/14/96	16.04	100.82	84.78	0			
	4/9/97	13.46		87.36	0			
	10/29/97	17.24		83.58	0			
	4/7/98	8.01		94.5	0			
	10/7/98	13.68		87.14	0			
	4/7/99	10.56		90.26	0			
	10/19/99	13.96		86.86	0			
	4/26/00	9.31		91.51	0			
	10/30/00	11.75	143.85[9]	132.10	0			
	2/26/01	10.36		133.49	0			
	4/23/01	15.10		128.75	0			
	8/22/01[14]	15.48		128.37	0			
DW-1[3]	6/13/91	37.82	102.64	64.82	0	140 - 180	61 - 180	0 - 61
	7/9/91	37.82		64.82	0			
	8/1/91	92.26		10.38	0			
	8/29/91	50.13		52.51	0			

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

Well ID	Date Measured	DTW (ft,msl)	TOC (ft)	GWE (ft,msl)	Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
DW-1	9/11/91	39.72	102.64	62.92	0	140 - 180	61 - 180	0 - 61
cont	10/8/91	39.31		63.33	0			
	11/9/91	38.90		63.74	0			
	12/11/91	39.96		62.68	0			
	12/8/92	37.75		64.89	0			
	3/10/93	32.60		70.04	0			
	6/4/93	32.35		70.29	0			
	10/14/93	---		---	---			
DW-2[3]	3/9/74	---	---[4]	---	---	94 - 134	unknown	0 - 20
	10/17/95	---		---	---			
	10/21/96	---		---	---			
	4/10/97	---		---	---			
	10/30/97	---		---	---			
	4/8/98	---		---	---			
	10/7/98	---		---	---			
	4/7/99	---		---	---			
	8/30/99	23.23		---	0.48			

EXPLANATION:

DTW = Depth to water
ft =feet
msl = mean sea level
TOC = Top of casing elevation
GWE = Ground water elevation
— = Not applicable

Table 1. Water Level Data/Well Construction Details - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA

NOTES:

1. Initial top of casing elevations were surveyed by Ron Miller, CE 15816 in 1991.
2. Top of Casing Elevations were re-surveyed by Ron Miller, CE 15816 in 1997.
3. Well has been abandoned.
4. Top of casing has not been surveyed.
5. Well casing was damaged.
6. Well inaccessible due to construction activities.
7. Top of casing elevations were measured by Ron Miller, CE 15816 on May 9, 2000.
8. Top of casing elevations were measured by Ron Miller, CE 15816 on June 1, 2000.
9. Top of casing elevations were measured by Barry l. Kolstad, P.L.S. 5677 on November 15, 2000.
10. Well plugged at seven feet, no water.
11. Unable to access due to well area flooding.
12. Unable to access well on initial date of ground water elevation measurements.
13. Unable to access well.
14. Well has been switched to a SVE (soil vapor extraction) well.
15. Monitoring well has been destroyed.
16. Top of casing elevations were measured by Barry L Kolstad using NAD83 and NAVD88 datum points for EDF compliance on December 21, 2001.

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Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-21	24	2/26/01	15.0	146	131.0	23 - 24
	50	2/26/01	17.0		129.0	49 - 50
	75	2/26/01	17.0		129.0	74 - 75
	110	2/26/01	21.5		124.5	109 - 110
	143	2/26/01	21.5		124.5	142 - 143
	158	2/26/01	21.5		124.5	157 - 158
	165.5	2/26/01	21.5		124.5	164.5 - 165.5
	24	4/26/01	15.73	145.79[1]	130.06	23 - 24
	50	4/26/01	12.40		133.39	49 - 50
	75	4/26/01	17.46		128.33	74 - 75
	110	4/26/01	20.84		124.95	109 - 110
	143	4/26/01	20.97		124.82	142 - 143
	158	4/26/01	20.98		124.81	157 - 158
	165.5	4/26/01	21.02		124.77	164.5 - 165.5
	24	7/25/01	19.64		126.15	23 - 24
	50	7/25/01	18.58		127.21	49 - 50
	75	7/25/01	19.45		126.34	74 - 75
	110	7/25/01	23.51		122.28	109 - 110
	143	7/25/01	23.67		122.28	142 - 143
	158	7/25/01	23.66		122.13	157 - 158
	165.5	7/25/01	23.89		121.90	164.5 - 165.5
	24	10/25/01	17.82		127.97	23 - 24
	50	10/25/01	21.85		123.94	49 - 50
	75	10/25/01	21.95		123.84	74 - 75
	110	10/25/01	25.72		120.07	109 - 110
	143	10/25/01	25.88		119.91	142 - 143
	158	10/25/01	25.85		119.94	157 - 158
	165.5	10/25/01	25.88		119.91	164.5 - 165.5
	24	1/24/02	16.85	148.44[4]	131.59	23 - 24
	75	1/24/02	16.20		132.24	74 - 75
	143	1/24/02	19.10		129.34	142 - 143
	165.5	1/24/02	19.20		129.24	164.5 - 165.5
	24	4/26/02	17.18		131.26	23 - 24
	75	4/26/02	16.17		132.27	74 - 75

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-21 cont	143	4/26/02	16.50	148.44	131.94	142 - 143
	165.5	4/26/02	18.55		129.89	164.5 - 165.5
	24	7/22/02	17.50		130.94	23 - 24
	75	7/22/02	17.75		130.69	74 - 75
	143	7/22/02	20.88		127.56	142 - 143
	165.5	7/22/02	20.95		127.49	164.5 - 165.5
	24	10/23/02	17.81		130.63	23 - 24
	75	10/23/02	18.92		129.52	74 - 75
	143	10/23/02	19.55		128.89	142 - 143
	165.5	10/23/02	22.65		125.79	164.5 - 165.5
	24	1/27/03	16.00		132.44	23 - 24
	75	1/27/03	15.10		133.34	74 - 75
	143	1/27/03	15.75		132.69	142 - 143
	165.5	1/27/03	15.78		132.66	164.5 - 165.5
	24	4/21/03	15.57		132.87	23 - 24
	75	4/21/03	14.89		133.55	74 - 75
	143	4/21/03	17.17		131.27	142 - 143
	165.5	4/21/03	17.19		131.25	164.5 - 165.5
	24	7/21/03	16.27		132.17	23 - 24
	75	7/21/03	16.16		132.28	74 - 75
	143	7/21/03	19.44		129.00	142 - 143
	165.5	7/21/03	19.52		128.92	164.5 - 165.5
	24	1/20/04	14.51		133.93	23 - 24
	75	1/20/04	14.74		133.70	74 - 75
	143	1/20/04	15.87		132.57	142 - 143
	165.5	1/20/04	15.77		132.67	164.5 - 165.5
	24	7/19/04	15.45		132.99	23 - 24
	75	7/19/04	15.76		132.68	74 - 75
	143	7/19/04	18.18		130.26	142 - 143
	165.5	7/19/04	18.26		130.18	164.5 - 165.5
	24	**1/20/05**	**11.83**		**136.61**	**23 - 24**
	75	**1/20/05**	**13.12**		**135.32**	**74 - 75**
	143	**1/20/05**	**16.12**		**132.32**	**142 - 143**
	165.5	**1/20/05**	**15.96**		**132.48**	**164.5 - 165.5**

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-22	22	2/26/01	17.0	145.50	128.5	21 - 22
	47	2/26/01	21.0		124.5	46 - 47
	72.5	2/26/01	21.5		124.0	71.5 - 72.5
	113	2/26/01	21.5		124.0	112 - 113
	144	2/26/01	21.5		124.0	143 - 144
	164.5	2/26/01	21.5		124.0	163.5 - 164.5
	177.5	2/26/01	43.0		102.5	176.5 - 177.5
	22	4/27/01	20.30	145.45[1]	125.15	21 - 22
	47	4/27/01	20.69		124.76	46 - 47
	72.5	4/27/01	20.39		125.06	71.5 - 72.5
	113	4/27/01	17.88		127.57	112 - 113
	144	4/27/01	20.75		124.70	143 - 144
	164.5	4/27/01	20.79		124.66	163.5 - 164.5
	177.5	4/27/01	10.55		134.90	176.5 - 177.5
	22	7/25/01	20.61		124.84	21 - 22
	47	7/25/01	19.95		125.50	46 - 47
	72.5	7/25/01	23.22		122.23	71.5 - 72.5
	113	7/25/01	23.32		122.13	112 - 113
	144	7/25/01	23.35		122.10	143 - 144
	164.5	7/25/01	23.40		122.05	163.5 - 164.5
	177.5	7/25/01[2]	—		---	176.5 - 177.5
	22	10/25/01[3]	—		---	21 - 22
	47	10/25/01	24.97		120.48	46 - 47
	72.5	10/25/01	25.40		120.05	71.5 - 72.5
	113	10/25/01	25.46		119.99	112 - 113
	144	10/25/01	25.50		119.95	143 - 144
	164.5	10/25/01	25.60		119.85	163.5 - 164.5
	177.5	10/25/01[2]	—		---	176.5 - 177.5
	22	1/24/02	18.70	148.10[4]	129.40	21 - 22
	72.5	1/24/02	18.75		129.35	71.5 - 72.5
	144	1/24/02	18.82		129.28	143 - 144
	177.5	1/24/02	18.85		129.25	163.5 - 164.5
	22	4/26/02	18.61		129.49	21 - 22
	72.5	4/26/02	18.10		130.00	71.5 - 72.5

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-22 cont	144	4/26/02	18.12	148.10	129.98	143 - 144
	164.5	4/26/02	18.14		129.96	163.5 - 164.5
	22	7/22/02	19.35		128.75	21 - 22
	72.5	7/22/02	20.25		127.85	71.5 - 72.5
	144	7/22/02	20.57		127.53	143 - 144
	164.5	7/22/02	20.57		127.53	163.5 - 164.5
	22	10/23/02	dry		---	21 - 22
	72.5	10/23/02	22.25		125.85	71.5 - 72.5
	144	10/23/02	22.27		125.83	143 - 144
	164.5	10/23/02	22.30		125.80	163.5 - 164.5
	22	1/27/03	13.80		134.30	21 - 22
	72.5	1/27/03	17.42		130.68	71.5 - 72.5
	144	1/27/03	17.52		130.58	143 - 144
	164.5	1/27/03	17.53		130.57	163.5 - 164.5
	22	4/21/03	14.21		133.89	21 - 22
	72.5	4/21/03	16.88		131.22	71.5 - 72.5
	144	4/21/03	16.90		131.20	143 - 144
	164.5	4/21/03	16.90		131.20	163.5 - 164.5
	22	7/2/103	15.18		132.92	21 - 22
	72.5	7/21/03	19.00		129.10	71.5 - 72.5
	144	7/21/03	19.13		128.97	143 - 144
	164.5	7/21/03	19.13		128.97	163.5 - 164.5
	22	1/20/04	13.48		134.62	21 - 22
	72.5	1/20/04	17.41		130.69	71.5 - 72.5
	144	1/20/04	17.48		130.62	143 - 144
	164.5	1/20/04	17.48		130.62	163.5 - 164.5
	22	7/19/04	18.38		129.72	21 - 22
	72.5	7/19/04	17.69		130.41	71.5 - 72.5
	144	7/19/04	17.83		130.27	143 - 144
	164.5	7/19/04	17.82		130.28	163.5 - 164.5
	22	**1/20/05**	**11.73**		**136.37**	**21 - 22**
	72.5	**1/20/05**	**15.44**		**132.66**	**71.5 - 72.5**
	144	**1/20/05**	**15.60**		**132.50**	**143 - 144**
	164.5	**1/20/05**	**15.61**		**132.49**	**163.5 - 164.5**

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-23	25	2/26/01	22.5	146.50	124.0	24 - 25
	50	2/26/01	23.0		123.5	49 - 50
	75	2/26/01	23.0		123.5	74 - 75
	120.5	2/26/01	23.5		123.0	119.5 - 120.5
	148.5	2/26/01	23.5		123.0	147.5 - 148.5
	163.5	2/26/01	23.0		123.5	162.5 - 163.5
	180	2/26/01	23.5		123.0	179 - 180
	25	4/30/01	21.70	146.53[1]	124.83	24 - 25
	50	4/30/01	21.76		124.77	49 - 50
	75	4/30/01	21.80		124.73	74 - 75
	120.5	4/30/01	22.86		123.67	119.5 - 120.5
	148.5	4/30/01	22.41		124.12	147.5 - 148.5
	163.5	4/30/01	20.09		126.44	162.5 - 163.5
	180	4/30/01	22.29		124.24	179 - 180
	25	7/25/01	24.77		121.76	24 - 25
	50	7/25/01	24.46		122.07	49 - 50
	75	7/25/01	24.47		122.06	74 - 75
	120.5	7/25/01	24.65		121.88	119.5 - 120.5
	148.5	7/25/01	24.75		121.78	147.5 - 148.5
	163.5	7/25/01	24.90		121.63	162.5 - 163.5
	180	7/25/01	24.94		121.59	179 - 180
	25	10/25/01	24.75		121.78	24 - 25
	50	10/25/01	26.57		119.96	49 - 50
	75	10/25/01	26.57		119.96	74 - 75
	120.5	10/25/01	26.68		119.85	119.5 - 120.5
	148.5	10/25/01	26.54		119.99	147.5 - 148.5
	163.5	10/25/01	26.96		119.57	162.5 - 163.5
	180	10/25/01	26.98		119.55	179 - 180
	25	1/24/02	20.13	149.18[4]	129.05	24 - 25
	75	1/24/02	20.00		129.18	74 - 75
	148.5	1/24/02	20.60		128.58	147.5 - 148.5
	180	1/24/02	20.35		128.83	179 - 180
	25	4/26/02	19.10		130.08	24 - 25
	75	4/26/02	19.15		130.03	74 - 75

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-23 cont	148.5	4/26/02	19.27	149.18	129.91	147.5 - 148.5
	180	4/26/02	19.40		129.78	179 - 180
	25	7/22/02	21.27		127.91	24 - 25
	75	7/22/02	21.56		127.62	74 - 75
	148.5	7/22/02	20.65		128.53	147.5 - 148.5
	180	7/22/02	21.85		127.33	179 - 180
	25	10/23/02	dry		---	24 - 25
	75	10/23/02	23.28		125.90	74 - 75
	148.5	10/23/02	22.50		126.68	147.5 - 148.5
	180	10/23/02	23.62		125.56	179 - 180
	25	1/27/03	18.43		130.75	24 - 25
	75	1/27/03	18.55		130.63	74 - 75
	148.5	1/27/03	19.04		130.14	147.5 - 148.5
	180	1/27/03	18.85		130.33	179 - 180
	25	4/21/03	18.05	149.18	131.13	24 - 25
	75	4/21/03	18.02		131.16	74 - 75
	148.5	4/21/03	18.30		130.88	147.5 - 148.5
	180	4/21/03	18.18		131.00	179 - 180
	25	7/21/03	19.74		129.44	24 - 25
	75	7/21/03	20.02		129.16	74 - 75
	148.5	7/21/03	19.00		130.18	147.5 - 148.5
	180	7/21/03	20.40		128.78	179 - 180
	25	1/20/04	18.61		130.57	24 - 25
	75	1/20/04	18.69		130.49	74 - 75
	148.5	1/20/04	18.83		130.35	147.5 - 148.5
	180	1/20/04	18.89		130.29	179 - 180
	25	7/19/04	18.34		130.84	24 - 25
	75	7/19/04	18.60		130.58	74 - 75
	148.5	7/19/04	18.74		130.44	147.5 - 148.5
	180	7/19/04	19.07		130.11	179 - 180
	25	**1/20/05**	**16.45**		**132.73**	**24 - 25**
	75	**1/20/05**	**16.61**		**132.57**	**74 - 75**
	148.5	**1/20/05**	**17.05**		**132.13**	**147.5 - 148.5**
	180	**1/20/05**	**17.03**		**132.15**	**179 - 180**

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-24	23	2/26/01	19.0	147.00	128.0	22 - 23
	48	2/26/01	22.5		124.5	47 - 48
	73	2/26/01	22.5		124.5	72 - 73
	113	2/26/01	23.0		124.0	112 - 113
	146	2/26/01	23.5		123.5	145 - 146
	161	2/26/01	23.5		123.5	160 - 161
	178	2/26/01	23.5		123.5	177 - 178
	23	5/1/01	16.40	147.14[1]	130.74	22 - 23
	48	5/1/01	21.43		125.71	47 - 48
	73	5/1/01	21.51		125.63	72 - 73
	113	5/1/01	21.85		125.29	112 - 113
	146	5/1/01	22.21		124.93	145 - 146
	161	5/1/01	22.43		124.71	160 - 161
	178	5/1/01	22.39		124.75	177 - 178
	23	7/25/01	20.22		126.92	22 - 23
	48	7/25/01	24.10		123.04	47 - 48
	73	7/25/01	24.15		122.99	72 - 73
	113	7/25/01	24.59		122.55	112 - 113
	146	7/25/01	25.02		122.12	145 - 146
	161	7/25/01	25.25		121.89	160 - 161
	178	7/25/01	25.26		121.88	177-178
	23	10/25/01[3]	—		---	22 - 23
	48	10/25/01	22.77		124.37	47 - 48
	73	10/25/01	26.78		120.36	72 - 73
	113	10/25/01	26.90		120.24	112 - 113
	146	10/25/01	27.35		119.79	145 - 146
	161	10/25/01	27.45		119.69	160 - 161
	178	10/25/01	27.44		119.70	177-178
	23	1/25/02	22.10	149.79[4]	127.69	22 - 23
	73	1/25/02	20.20		129.59	72 - 73
	146	1/25/02	20.30		129.49	145 - 146
	178	1/25/02	20.15		129.64	177 - 178
	23	4/26/02	17.72		132.07	22 - 23
	73	4/26/02	19.12		130.67	72 - 73

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
	146	4/26/02	19.83		129.96	145 - 146
	178	4/26/02	19.90		129.89	177 - 178
	23	7/22/02	19.66		130.13	22 - 23
	73	7/22/02	21.55		128.24	72 - 73
	146	7/22/02	22.26		127.53	145 - 146
	178	7/22/02	22.35		127.44	177 - 178
	23	10/23/02	21.22		128.57	22 - 23
	73	10/23/02	23.35		126.44	72 - 73
	146	10/23/02	24.20		125.59	145 - 146
	178	10/23/02	24.20		125.59	177 - 178
	23	1/27/03	17.56		132.23	22 - 23
	73	1/27/03	18.04		131.75	72 - 73
	146	1/27/03	19.24		130.55	145 - 146
	178	1/27/03	19.02		130.77	177 - 178
	23	4/21/03	16.38		133.41	22 - 23
	73	4/21/03	17.67		132.12	72 - 73
	146	4/21/03	18.35		131.44	145 - 146
	178	4/21/03	18.44		131.35	177 - 178

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-25	25	1/28/02	17.92	149.92[4]	132.00	24.5 - 25.5
	75	1/28/02	20.72		129.20	74.5 - 75.5
	145	1/28/02	20.85		129.07	144.5 - 145.5
	180	1/28/02	20.82		129.10	179.5 - 180.5
	230	1/28/02	20.95		128.97	229.5 - 230.5
	25	4/26/02	17.16		132.76	24.5 - 25.5
	75	4/26/02	20.04		129.88	74.5 - 75.5
	145	4/26/02	20.30		129.62	144.5 - 145.5
	180	4/26/02	20.00		129.92	179.5 - 180.5
	230	4/26/02	20.20		129.72	229.5 - 230.5
	25	7/22/02	18.20		131.72	24.5 - 25.5
	75	7/22/02	22.41		127.51	74.5 - 75.5
	145	7/22/02	22.47		127.45	144.5 - 145.5
	180	7/22/02	22.50		127.42	179.5 - 180.5
	230	7/22/02	22.61		127.31	229.5 - 230.5
	25	1/27/03	16.93		132.99	24.5 - 25.5
	75	1/27/03	19.62		130.30	74.5 - 75.5
	145	1/27/03	19.75		130.17	144.5 - 145.5
	180	1/27/03	19.62		130.30	179.5 - 180.5
	230	1/27/03	19.77		130.15	229.5 - 230.5
	25	4/21/03	15.89		134.03	24.5 - 25.5
	75	4/21/03	18.89		131.03	74.5 - 75.5
	145	4/21/03	19.03		130.89	144.5 - 145.5
	180	4/21/03	18.77		131.15	179.5 - 180.5
	230	4/21/03	18.89		131.03	229.5 - 230.5
MW-26	25	1/25/02	20.02	148.23[4]	128.21	24.5 - 25.5
	75	1/25/02	19.42		128.81	74.5 - 75.5
	145	1/25/02	25.30		122.93	144.5-145.5
	180	1/25/02	25.31		122.92	179.5 - 180.5
	25	4/26/02	19.10		129.13	24.5 - 25.5
	75	4/26/02	18.56		129.67	74.5 - 75.5
	145	4/26/02	24.11		124.12	144.5-145.5
	180	4/26/02	24.00		124.23	179.5 - 180.5

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-26 cont	25	7/22/02	20.58	148.23	127.65	24.5 - 25.5
	75	7/22/02	20.90		127.33	74.5 - 75.5
	145	7/22/02	26.87		121.36	144.5-145.5
	180	7/22/02	26.75		121.48	179.5 - 180.5
	25	1/27/03	19.10		129.13	24.5 - 25.5
	75	1/27/03	18.11		130.12	74.5 - 75.5
	145	1/27/03	24.22		124.01	144.5-145.5
	180	1/27/03	24.74		123.49	179.5 - 180.5
	25	4/21/03	18.18		130.05	24.5 - 25.5
	75	4/21/03	17.36		130.87	74.5 - 75.5
	145	4/21/03	23.12		125.11	144.5-145.5
	180	4/21/03	23.50		124.73	179.5 - 180.5
	25	1/20/04	18.89		129.34	24.5 - 25.5
	75	1/20/04	18.19		130.04	74.5 - 75.5
	145	1/20/04	---		---	144.5-145.5
	180	1/20/04	---		---	179.5 - 180.5
	25	7/19/04	18.02		130.21	24.5 - 25.5
	75	7/19/04	18.19		130.04	74.5 - 75.5
	145	7/19/04	20.09		128.14	144.5-145.5
	180	7/19/04	20.16		128.07	179.5 - 180.5
	25	**1/19/05**	**17.17**		**131.06**	**24.5 - 25.5**
	75	**1/19/05**	**16.46**		**131.77**	**74.5 - 75.5**
MW-27	25	1/28/02	10.95	147.65[4]	136.70	24.5 - 25.5
	75	1/28/02	12.50		135.15	74.5 - 75.5
	145	1/28/02	14.80		132.85	144.5 - 145.5
	180	1/28/02	14.80		132.85	179.5 - 180.5
	230	1/28/02	19.82		127.83	229.5-230.5
	25	4/26/02	10.32		137.33	24.5 - 25.5
	75	4/26/02	11.45		136.20	74.5 - 75.5
	145	4/26/02	15.32		132.33	144.5 - 145.5
	180	4/26/02	16.31		131.34	179.5 - 180.5
	230	4/26/0228	18.52		129.13	229.5-230.5
	25	7/22/02	11.04		136.61	24.5 - 25.5

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-27 cont	75	7/22/02	13.28	147.65	134.37	74.5 - 75.5
	145	7/22/02	17.38		130.27	144.5 - 145.5
	180	7/22/02	17.40		130.25	179.5 - 180.5
	230	7/22/02	21.10		126.55	229.5-230.5
	25	10/23/02	12.32		135.33	24.5 - 25.5
	75	10/23/02	14.45		133.20	74.5 - 75.5
	145	10/23/02	18.86		128.79	144.5 - 145.5
	180	10/23/02	18.87		128.78	179.5 - 180.5
	230	10/23/02	23.25		124.40	229.5-230.5
	25	1/27/03	9.14		138.51	24.5 - 25.5
	75	1/27/03	10.89		136.76	74.5 - 75.5
	145	1/27/03	13.89		133.76	144.5 - 145.5
	180	1/27/03	14.01		133.64	179.5 - 180.5
	230	1/27/03	18.07		129.58	229.5-230.5
	25	4/21/03	—		---	24.5 - 25.5
	75	4/21/03	---		---	74.5 - 75.5
	145	4/21/03	---		---	144.5 - 145.5
	180	4/21/03	---		---	179.5 - 180.5
	230	4/21/03	---		---	229.5-230.5
MW-28	25	1/25/02	21.90	150.23[4]	128.33	24.5 - 25.5
	75	1/25/02	21.70		128.53	74.5 - 75.5
	145	1/25/02	21.60		128.63	144.5-145.5
	180	1/25/02	21.50		128.73	179.5-180.5
	25	4/26/02	20.40		129.83	24.5 - 25.5
	75	4/26/02	20.52		129.71	74.5 - 75.5
	145	4/26/02	20.60		129.63	144.5-145.5
	180	4/26/02	20.51		129.72	179.5-180.5
	25	7/22/02	DRY		---	24.5 - 25.5
	75	7/22/02	22.73		127.50	74.5 - 75.5
	145	7/22/02	22.83		127.40	144.5-145.5
	180	7/22/02	22.86		127.37	179.5-180.5
	25	1/27/03	20.36		129.87	24.5 - 25.5
	75	1/27/03	20.12		130.11	74.5 - 75.5

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-28 cont	145	1/27/03	20.10	150.23	130.13	144.5-145.5
	180	1/27/03	20.08		130.15	179.5-180.5
	25	4/21/03	19.53		130.70	24.5 - 25.5
	75	4/21/03	19.50		130.73	74.5 - 75.5
	145	4/21/03	19.57		130.66	144.5-145.5
	180	4/21/03	19.31		130.92	179.5-180.5
	25	7/21/03	21.09		129.14	24.5 - 25.5
	75	7/21/03	21.39		128.84	74.5 - 75.5
	145	7/21/03	21.49		128.74	144.5-145.5
	180	7/21/03	21.49		128.74	179.5-180.5
	25	1/20/04	20.35		129.88	24.5 - 25.5
	75	1/20/04	20.30		129.93	74.5 - 75.5
	145	1/20/04	---		---	144.5-145.5
	180	1/20/04	---		---	179.5-180.5
	25	7/19/04	20.09		130.14	24.5 - 25.5
	75	7/19/04	20.16		130.07	74.5 - 75.5
	145	7/19/04	---		---	144.5-145.5
	180	7/19/04	---		---	179.5-180.5
	25	**1/19/05**	**19.00**		**131.23**	**24.5 - 25.5**
	75	**1/19/05**	**18.65**		**131.58**	**74.5 - 75.5**
MW-29	25	1/25/02	15.92	148.60[4]	132.68	24.5 - 25.5
	75	1/25/02	18.92		129.68	74.5 - 75.5
	145	1/25/02	26.21		122.39	144.5 - 145.5
	180	1/25/02	26.21		122.39	179.5 - 180.5
	25	4/26/02	17.34		131.26	24.5 - 25.5
	75	4/26/02	19.48		129.12	74.5 - 75.5
	145	4/26/02	25.02		123.58	144.5 - 145.5
	180	4/26/02	25.03		123.57	179.5 - 180.5
	25	7/22/02	19.22		129.38	24.5 - 25.5
	75	7/22/02	21.82		126.78	74.5 - 75.5
	145	7/22/02	27.82		120.78	144.5 - 145.5
	180	7/22/02	27.80		120.70	179.5 - 180.5
	25	1/27/03	14.95		133.65	24.5 - 25.5

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
	75	1/27/03	17.44	148.60	131.16	74.5 - 75.5
	145	1/27/03	25.14		123.46	144.5 - 145.5
	180	1/27/03	25.15		123.45	179.5 - 180.5
	25	4/21/03	15.36		133.24	24.5 - 25.5
	75	4/21/03	17.09		131.51	74.5 - 75.5
	145	4/21/03	24.00		124.60	144.5 - 145.5
	180	4/21/03	24.00		124.60	179.5 - 180.5
	25	1/20/04	15.25		133.35	24.5 - 25.5
	75	1/20/04	17.77		130.83	74.5 - 75.5
	145	1/20/04	---		---	144.5 - 145.5
	180	1/20/04	---		---	179.5 - 180.5
	25	7/19/04	17.80		130.80	24.5 - 25.5
	75	7/19/04	19.16		129.44	74.5 - 75.5
	145	7/19/04	---		---	144.5 - 145.5
	180	7/19/04	---		---	179.5 - 180.5
	25	**1/19/05**	**14.71**		**133.89**	**24.5 - 25.5**
	75	**1/09/05**	**16.89**		**131.71**	**74.5 - 75.5**
MW-30	25	1/28/02	18.85	149.63[4]	130.78	24.5 - 25.5
	75	1/28/02	20.00		129.63	74.5 - 75.5
	145	1/28/02	20.15		129.48	144.5 - 145.5
	180	1/28/02	20.00		129.63	179.5 - 180.5
	230	1/28/02	20.20		129.43	229.5 - 230.5
	25	4/26/02	18.75		130.88	24.5 - 25.5
	75	4/26/02	19.52		130.11	74.5 - 75.5
	145	4/26/02	19.65		129.98	144.5 - 145.5
	180	4/26/02	19.73		129.90	179.5 - 180.5
	230	4/26/02	19.75		129.88	229.5 - 230.5
	25	7/22/02	20.87		128.76	24.5 - 25.5
	75	7/22/02	21.90		127.73	74.5 - 75.5
	145	7/22/02	22.00		127.63	144.5 - 145.5
	180	7/22/02	22.16		127.47	179.5 - 180.5
	230	7/22/02	22.20		127.43	229.5 - 230.5
	25	1/27/03	17.53		132.10	24.5 - 25.5

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

Well ID	Sample Depth (in feet)	Date Measured	DTW (ft)	TOC (ft)	GWE	Screen Interval
MW-30 cont	75	1/27/03	18.75	149.63	130.88	74.5 - 75.5
	145	1/27/03	18.97		130.66	144.5 - 145.5
	180	1/27/03	19.00		130.63	179.5 - 180.5
	230	1/27/03	19.07		130.56	229.5 - 230.5
	25	4/21/03	17.23		132.40	24.5 - 25.5
	75	4/21/03	18.17		131.46	74.5 - 75.5
	145	4/21/03	18.34		131.29	144.5 - 145.5
	180	4/21/03	18.43		131.20	179.5 - 180.5
	230	4/21/03	18.45		131.18	229.5 - 230.5
	25	7/21/03[3]	---		---	24.5 - 25.5
	75	7/21/03	20.42		129.21	74.5 - 75.5
	145	7/21/03	20.67		128.96	144.5 - 145.5
	180	7/21/03	20.82		128.81	179.5 - 180.5
	230	7/21/03	20.85		128.78	229.5 - 230.5
	25	1/20/04	17.44		132.19	24.5 - 25.5
	75	1/20/04	18.79		130.84	74.5 - 75.5
	145	1/20/04	---		---	144.5 - 145.5
	180	1/20/04	---		---	179.5 - 180.5
	230	1/20/04	---		---	229.5 - 230.5
	25	7/19/04	18.18		131.45	24.5 - 25.5
	75	7/19/04	19.25		130.38	74.5 - 75.5
	145	7/19/04	---		---	144.5 - 145.5
	180	7/19/04	---		---	179.5 - 180.5
	230	1/20/04	---		---	229.5 - 230.5
	25	**1/19/05**	**15.99**		**133.64**	**24.5 - 25.5**
	75	**1/19/05**	**17.13**		**132.50**	**74.5 - 75.5**

Explanation:

DTW = depth to water
TOC = top of casing elevation
GWE = ground water elevation

Notes:

Table 2. Water Level Data/Well Construction Details for Multi-Level Wells - Redwood Oil Bulk Plant, 455 Yolanda Ave. Santa Rosa, CA.

[1] Top of casing elevation was surveyed by professional land surveyor Barry L. Kolstad, PLS # 5677, on March 19, 2001.

[2] Unable to insert water level meter past 29.0 feet.

[3] Port was dry.

[4] Top of casing elevations were measured by Barry L Kolstad, using NAD 83 and NAVD 88 datum points for EDF compliance, on December 21, 2001.

ECMQMs\507\50717.Tmlw-WL.wpd

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-1	3/14/91[1]	----	----	--	--	--	--	--	--
	6/13/91	1,300	1,500	4,300	--	160	250	22	130
	9/11/91	250	1,300	1,800	--	1.0	<0.5	<0.5	<0.5
	12/11/91[1]	--	--	--	--	--	--	--	--
	3/11/92	1,200	3,800	--	--	37	35	25	94
	6/15/92	1,900	4,500	--	--	920	1.3	13	3.4
	9/18/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	12/8/92	350	2,700	--	--	5.4	<0.5	0.7	<0.5
	3/10/93	1,000	4,100	--	--	440	4.5	7.7	14
	6/4/93	<50	220	--	--	<0.5	<0.5	<0.5	<0.5
	10/13/93	280	--	--	--	12	3.2	1.3	6.5
	4/11/94	540	--	--	--	1.7	<0.5	0.5	<0.5
	10/20/94	170	--	--	--	2.2	2.7	<0.5	<0.5
	4/11/95	260	--	--	--	1.0	0.7	<0.5	1.1
	3/6/96	<250	<50	1,400	<500	7.7	<2.5	<2.5	<2.5
	10/18/96	<1,000	1,200	1,300	<50	<10	<10	<10	<10
	4/9/97	81	880	870	<50	12	1.4	<0.5	1.2
	10/29/97	92	880	1000	<50	4.4	<0.5	<0.5	0.5
	4/7/98	10,000	280	<50	<50	51	<0.5	<0.5	100
	10/7/98	200	<50	<50	<50	<0.5	<0.5	<0.5	1.5
	4/7/99	130	110	<100	<50	<0.5	0.76	0.56	4.2
	10/19/99	<5,000	<50	---	<50	<50	<50	<50	<50
	4/26/00[6]	---	---	---	---	---	---	---	---
	10/31/00	120	<50	<50	---	3.8	0.99	2.7	4.7
	2/2/01	580	200	<250	---	10	5.3	3.8	29
	4/23/01	370	520	600	---	<0.5	0.50	<0.5	<0.5
	7/23/01	450	420	—	—	10.0	11	6.3	33
	10/23/01	410	510	550	—	15	1.5	5.7	23
	1/22/02	300	330[12]	---	—	66	27	19	84
	4/25/02	350	260	<250	---	75	37	18	64
	7/23/02	480	100	—	—	100	37	19	63
	1/29/03	<50	100	<250	---	<1	<1	<1	<1
	7/22/03	180	69	<250	---	50	8	11	26
	1/20/04	<50	79	<250	---	4	4	3	6
	1/18/05	**150**	**<50**	**<250**	**---**	**26**	**5.6**	**15**	**21.8**

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-2	3/14/91	98,000	1,800	<500	--	19,000	19,000	2,000	11,000
	6/13/91	94,000	15,000	<5,000	--	20,000	24,000	2,400	15,000
	9/11/91	69,000	24,000	<500	--	22,000	29,000	2,000	15,000
	12/11/91	96,000	23,000	--	--	19,000	29,000	3,600	23,000
	3/11/92	320,000	82,000	--	--	11,000	30,000	3,600	29,000
	6/15/92	160,000	160,000	--	--	17,000	31,000	3,200	28,000
	9/18/92	210,000	52,000	--	--	16,000	40,000	3,300	23,000
	12/8/92	720,000	27,000	--	--	14,000	27,000	9,600	37,000
	3/10/93	100,000	31,000	--	--	6,400	25,000	2,800	24,000
	6/4/93	130,000	14,000	--	--	2,500	12,000	3,100	20,000
	10/13/93	120,000	--	--	--	10,000	26,000	2,600	22,000
	4/11/94	130,000	--	--	--	6,300	18,000	2,500	23,000
	10/20/94	160,000	--	--	--	5,700	25,000	2,700	35,000
	4/11/95	61,000	--	--	--	800	6,200	2,800	18,000
	3/6/96	120,000	27,000	<5,000	<500	3,900	13,000	2,300	19,000
	10/18/96	350,000	13,000	<5,000	<500	4,800	17,000	7,500	49,000
	4/10/97	79,000	7,800	<5,000	<500	1,500	9,400	2,400	19,000
	10/30/97	98,000	14,000	<20,000	<2,000	1,200	5,100	2,500	18,000
	4/7/98	41,000	<50	<50	18,000	340	2,500	1,400	12,000
	10/7/98	38,000	3,500	80	42,000	780	1,400	1,600	14,000
	4/7/99	31,000	3,600	850	1,700	210	700	510	4,700
	10/19/99	140,000	<50	<50	11,000	11,000	360	3,200	8,400
	4/26/00[6]	---	---	---	---	---	---	---	---
	10/31/00	160,000	4,300	<50	---	1,500	3,000	1,200	14,000
	2/2/01	64,000	30,000	<25,000	---	2,300	1,600	870	12,000
	4/23/01	50,000	30,000	<12,500	---	870	3,800	790	13,000
	7/23/01	54,000	21,000	—	—	1,300	2,700	850	13,000
	10/23/01	49,000	13,000	<5,000	—	1,300	230	830	9,500
	1/22/02	2,500	4,700[12]	---	—	27	34	18	290
	4/25/02	14,000	26,000	1,800	---	620	1,300	590	5,300
	7/23/02	9,500	11,000	—	—	830	390	290	1,630
	10/22/02	28,000	14,000	7,200	---	1,500	240	760	3,400
	1/28/03	1,200	4,200	1,200	---	79	29	61	335
	4/22/03	200	3,500	1,500	---	45	2	15	20
	7/22/03	470	700	430	---	120	13	27	52
	1/20/04	330	1,000	600	---	17	7	11	40
	7/19/04	230	760	720	---	24	7	7.6	15.3
	1/18/05	**470**	**500**	**290**	**---**	**68**	**15**	**22**	**44.4**

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-3	3/14/91	180,000	8,800	<500	--	18,000	28,000	2,700	15,000
	6/13/91[1]	--	--	--	--	--	--	--	--
	9/11/91[1]	--	--	--	--	--	--	--	--
	12/11/91[1]	--	--	--	--	--	--	--	--
	3/11/92	82,000	10,000	--	--	21,000	30,000	2,200	14,000
	6/15/92	110,000	14,000	--	--	16,000	25,000	2,200	13,000
	9/18/92	89,000	14,000	--	--	20,000	20,000	1,800	10,000
	12/8/92	90,000	6,500	--	--	18,000	26,000	1,200	11,500
	3/10/93	64,000	6,000	--	--	16,000	12,000	1,700	12,000
	6/4/93	86,000	9,200	--	--	11,000	18,000	2,200	7,800
	10/13/93[2]	--	--	--	--	--	--	--	--
	4/11/94	120,000	--	--	--	36,000	35,000	1,800	11,000
	10/20/94	130,000	--	--	--	18,000	22,000	2,300	12,000
	4/11/95	73,000	--	--	--	11,000	6,900	2,900	8,800
	3/6/96	110,000	31,000	<5,000	<500	14,000	11,000	2,900	16,000
	10/18/96	120,000	18,000	<5,000	<500	12,000	7,300	2,900	15,000
	4/9/97[3]	--	--	--	--	--	--	--	--
	10/29/97[3]	--	--	--	--	--	--	--	--
	4/7/98	29,000	47,000	<50	51,000	12,000	890	2,200	11,000
	10/7/98	59,000	2,200	<1,000	3,400	11,000	470	2,700	9,900
	4/7/99	280,000	52,000	6,100	18,000	9,700	660	3,400	14,000
	10/19/99	170,000	36,000	<50	<50	12,000	560	4,100	11,000
	4/26/00[6]	---	---	---	---	---	---	---	---
	10/31/00[9]	---	---	---	---	---	---	---	---
	2/2/01	75,000	16,000	<5,000	---	5,500	550	1,800	3,700
	4/23/01[2]	---	---	---	---	---	---	---	---
	7/23/01	29,000	5,100	—	—	5,200	290	1,400	2,200
	10/23/01	59,000	5,600	<6,250	—	6,900	230	1,800	2,900
	1/22/02	40,000	26,000[12]	---	—	6,800	400	1,800	3,200
	4/25/02	18,000	18,000	1,300	---	7,500	200	1,600	2,400
	7/23/02	28,000	16,000	—	—	5,500	190	700	970
	10/22/02	35,000	7,300	4,800	---	6,400	210	1,600	1,400
	1/28/03	16,000	6,900	570	---	2,700	75	1,300	1,521
	4/22/03	18,000	54,000	4,900	---	6,000	100	2,100	2,528
	7/22/03	22,000	17,000	1,500	---	6,700	140	2,000	2,033
	1/20/04	25,000	48,000	4,500	---	7,400	130	1,900	867
	7/19/04	30,000	24,000	1,300	---	7,600	180	2,100	1,011
	1/18/05	**24,000**	**11,000**	**760**	**---**	**3,800**	**85**	**1,500**	**750**

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-4	3/14/91[1]	--	--	--	--	--	--	--	--
	6/13/91[1]	--	--	--	--	--	--	--	--
	9/11/91[1]	--	--	--	--	--	--	--	--
	12/11/91[1]	--	--	--	--	--	--	--	--
	3/11/92[2]	--	--	--	--	--	--	--	--
	6/15/92[1]	--	--	--	--	--	--	--	--
	9/18/92[1]	--	--	--	--	--	--	--	--
	12/8/92[1]	--	--	--	--	--	--	--	--
	3/10/93[1]	--	--	--	--	--	--	--	--
	6/4/93[1]	--	--	--	--	--	--	--	--
	10/13/93[1]	--	--	--	--	--	--	--	--
	4/11/94[1]	--	--	--	--	--	--	--	--
	10/20/94[1]	--	--	--	--	--	--	--	--
	4/11/95[1]	--	--	--	--	--	--	--	--
	3/6/96	820	1,100	<500	<50	280	36	9.3	57
	10/21/96	2,500	860	<500	<50	920	0.60	5.9	0.79
	4/10/97	840	1,200	1,100	<50	<0.5	1.5	2.6	4.0
	10/29/97	810	810	720	<50	170	2.0	<0.5	1.6
	4/8/98	13,000	<50	150	200	290	<0.5	<0.5	66
	10/7/98	2,300	<50	<50	<50	7.0	<0.5	<0.5	<0.5
	4/7/99	<5,000	<50	<100	<50	<50	<50	<50	<50
	10/19/99	<500,000	<50	---	<50	<5,000	<5,000	<5,000	<5,000
	4/26/00	95,000	310	---	---	11	12	7.5	14
	10/31/00	1,900	<50	<50	---	32	4.9	4.9	37
	2/2/01	200	370	630	---	23	<0.5	<0.5	<0.5
	4/23/01	30,000	460	480	---	<0.5	<0.5	<0.5	<0.5
	7/23/01	4,100	600	—	—	25	16	7.7	37
	10/23/01	5,500	400	<500	—	0.85	<5	<5	<5
	1/22/02	370	79[12]	---	—	20	6.9	4.1	17
	4/25/02	140	72	<250	---	20	25	4	18
	7/23/02	180	<50	—	—	15	24	4	16
	10/22/02	2,600	140	<250	---	120	31	18	75
	1/27/03	130	<50	<250	---	47	7	5	23
	4/22/03	77	110	<250	---	16	3	3	11
	7/22/03	210	160	<250	---	60	11	8	34
	1/20/04	62	82	<250	---	9	6	4	11
	7/19/04	<50	79	<250	---	<0.5	<0.5	<0.5	<1.5
	1/18/05	**190**	**<50**	**<250**	**---**	**30**	**14**	**4.7**	**28.6**

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-5	6/13/91[4]	<50	<50	<500	--	0.94	1.1	0.50	<0.5
	9/11/91[4]	90	<50	<500	--	29	14	5.4	16
	12/11/91	<50	<50	--	--	10	7.3	4.1	12
	3/11/92	<50	640	--	--	0.9	1.1	<0.5	1.9
	6/15/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	9/18/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	12/8/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	3/10/93	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	6/4/93	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	10/13/93	70	--	--	--	2.2	3.4	1.4	5.2
	4/11/94	<50	--	--	--	<0.5	<0.5	<0.5	<0.5
	10/20/94	<50	--	--	--	2.6	3.7	<0.5	<0.5
	4/11/95	80	--	--	--	3.0	6.6	2.6	14
	3/6/96	<50	<50	<500	<50	1.2	7.3	0.5	2.4
	10/18/96	<50	<50	<500	<50	<0.5	<0.5	<0.5	0.6
	4/9/97	<50	70	<500	<50	<0.5	0.7	<0.5	<0.5
	10/29/97	<50	<50	<500	<50	<0.5	<0.5	<0.5	<0.5
	4/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	4/7/99	<50	<50	<100	<50	<0.5	<0.5	<0.5	<0.5
	10/19/99	<50	<50	---	<50	<0.5	<0.5	<0.5	<0.5
	4/26/00	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/31/00[10]	---	---	---	---	---	---	---	---
	2/2/01	110	640	910	---	11	4.3	4.6	24
	10/23/01	100	200	250	—	8.2	1.3	5.0	19
	1/28/03	72	120	340	---	21	2	5	10
MW-5A	10/18/96	<50	<50	<500	<50	<0.5	0.6	<0.5	0.6
	4/10/97	240	140	<500	<50	16	28	9.9	56
	10/29/97	<50	<50	<500	<50	<0.5	<0.5	<0.5	<0.5
	4/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	4/7/99	<50	<50	220	<50	<0.5	<0.5	<0.5	<0.5
	10/19/99	--	--	--	--	--	--	--	--
	4/26/00	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/31/00[10]	---	---	---	---	---	---	---	---
	2/2/01	190	410	590	---	18	10.0	6.8	49
	10/23/01	140	110	<250	—	15	1.7	8.5	32
	1/28/03	1,500	620	260	---	320	19	83	143

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-7	6/13/91	<50	<250	4,700	--	<0.5	1.6	1.3	2.9
	9/11/91	<50	<50	<500	--	14	7.6	3.5	10
	12/11/91	<50	<50	--	--	1.8	1.1	0.8	2.5
	3/11/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	6/15/92	120	190	--	--	4.3	3.1	14	24
	9/18/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	12/8/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	3/10/93	<50	1,200	--	--	<0.5	<0.5	<0.5	<0.5
	6/4/93	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	10/13/93	500	--	--	--	<0.5	<0.5	2.2	9.6
	4/11/94	120	--	--	--	3.6	4.7	1.9	9.1
	10/20/94	70	--	--	--	6.9	13	1.9	5.2
	4/11/95	50	--	--	--	2.6	6.4	2.7	14
	3/6/96	<50	<50	600	<50	<0.5	3.4	<0.5	1.0
	10/18/96	<50	280	<500	<50	<0.5	8.3	<0.5	<0.5
	4/9/97	<50	160	<500	<50	<0.5	<0.5	<0.5	<0.5
	10/29/97	<50	80	<500	<50	<0.5	1.1	<0.5	1.8
	4/7/98	<50	<50	<50	<50	3.9	<0.5	1.7	6.8
	10/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	4/7/99	<50	130	110	<50	<0.5	<0.5	<0.5	<0.5
	10/19/99	<50	<50	--	<50	<0.5	<0.5	<0.5	<0.5
	4/26/00	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/31/00	12,000	<50	<50	---	3,800	26	79	51
	4/23/01	61	92	<250	---	4.9	2.1	1.3	5.2
	10/23/01	<50	71	<250	—	<0.5	<0.5	<0.5	<0.5
	1/27/03	81	<50	<250	---	21	5	3	15
	1/20/04	140	69	350	---	17	21	6	26
	1/18/05	**140**	**<50**	**<250**	**---**	**12**	**11**	**2.3**	**19.9**

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-8	6/13/91	<50	<50	<500	--	<0.5	<0.5	<0.5	<0.5
	9/11/91	90	<50	600	--	21	10	4.2	12
	12/11/91	<50	<50	--	--	0.9	<0.5	<0.5	0.6
	3/11/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	6/15/92	<50	280	--	--	<0.5	<0.5	<0.5	<0.5
	9/18/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	12/8/92	<50	<50	--	--	<0.5	<0.5	<0.5	<0.5
	3/10/93	<50	140	--	--	<0.5	<0.5	<0.5	<0.5
	6/4/93	<50	100	--	--	<0.5	<0.5	<0.5	<0.5
	10/13/93	<50	--	--	--	4.5	7.5	2.2	8.4
	4/11/94	<50	--	--	--	2.3	2.4	1.0	5.0
	10/20/94	110	--	--	--	4.1	5.2	<0.5	0.8
	4/11/95	280	--	--	--	24	38	10	57
	3/6/96	60	<50	<500	<50	0.7	6.1	<0.5	2.1
	10/21/96	<50	290	<500	<50	<0.5	<0.5	<0.5	<0.5
	4/10/97	58	260	<500	<50	4.9	10	1.1	7.8
	10/30/97	<50	300	<500	<50	<0.5	<0.5	<0.5	<0.5
	4/8/98	62	<50	<50	<50	8.4	0.86	2.7	10
	10/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	4/7/99	<50	<50	380	<50	<0.5	<0.5	<0.5	<0.5
	10/19/99	<1,250	<50	--	<50	<13	<13	<13	<13
	4/26/00	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	280	180	<250	—	<0.5	<0.5	<0.5	<0.5
	1/27/03	<50	100	<250	---	6	2	<1	6
MW-9	10/18/96	110	<50	<500	<50	<1.0	<1.0	<1.0	3.6
	4/10/97	74	330	<500	<50	17	1.4	0.77	1.6
	10/29/97	140	220	<500	<50	<0.5	<0.5	<0.5	<0.5
	4/8/98	82	<50	<50	<50	2.8	0.5	1.5	5.7
	10/7/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	4/7/99	<50	<50	190	<50	<0.5	1.1	0.85	1.6
	10/19/99	<500	<50	--	<50	<0.5	<0.5	<0.5	<0.5
	4/26/00	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	270	<50	<250	—	<0.5	<0.5	<0.5	<0.5
	1/27/03	<50	98	<250	---	10	3	<1	6
	1/20/04	<50	100	<250	---	2	9	1	8
	1/18/05	**140**	**100**	**<250**	**---**	**18**	**10**	**4.7**	**6.5**

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-10	4/26/00	28,000	14,000	---	---	1,000	60	660	1,700
	10/31/00	89,000	13,000	<50	---	12,000	480	2,800	11,000
	2/2/01	96,000	32,000	<5,000	---	12,000	3,300	2,700	13,000
	4/23/01	56,000	47,000	<12,500	---	9,900	1,800	2,400	8,800
	7/23/01	78,000	51,000	—	—	13,000	3,400	2,500	12,000
	10/23/01	90,000	28,000	9,700	—	17,000	3,600	2,700	12,000
	1/22/02	64,000	9,600[12]	---	—	7,200	1,200	2,200	8,200
	4/25/02	39,000	19,000	960	---	14,000	5,000	2,600	12,800
	7/23/02	59,000	14,00	—	—	11,000	2,400	1,900	9,000
	10/22/02	82,000	26,000	16,000	---	12,000	1,700	2,200	9,800
	1/27/03	29,000	12,000	960	---	8,800	1,100	1,500	6,100
	4/22/03	20,000	6,100	470	---	4,800	500	1,300	5,330
	7/22/03	35,000	12,000	870	---	8,800	1,100	1,700	7,100
	1/20/04	18,000	4,800	330	---	3,400	230	970	2,870
	1/18/05	**20,000**	**15,000**	**820**	**---**	**3,200**	**170**	**800**	**2,410**
MW-11	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	---	---	---	---	---	---	---	---
	2/2/01	---	---	---	---	---	---	---	---
MW-12	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	---	---	---	---	---	---	---	---
	2/2/01	---	---	---	---	---	---	---	---
MW-13[13]	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	---	---	---	---	---	---	---	---
	2/2/01	----	---	---	---	---	---	---	---
MW-14[13]	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	---	---	---	---	---	---	---	---
	2/2/01	---	---	---	---	---	---	---	---

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
MW-15	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	<50	<50	<294	—	<0.5	<0.5	<0.5	<0.5
	1/27/03	<50	<50	<250	---	5	2	<1	5
MW-16	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	<50	<50	<338	—	<0.5	<0.5	<0.5	<0.5
	1/27/03	<50	<50	<250	---	5	2	<1	5
MW-17	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	<50	<50	<250	—	<0.5	<0.5	<0.5	<0.5
MW-18	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	<50	<69	<347	—	<0.5	<0.5	<0.5	<0.5
	1/27/03	<50	<50	<250	---	<1	<1	<1	<1
MW-19	5/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	<50	<50	<329	—	<0.5	<0.5	<0.5	<0.5
MW-20	6/8/00	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/23/01	<50	<50	<250	—	0.60	1.2	<0.5	<0.5

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
V-1	6/13/91	78,000	9,600	<2,500	--	15,000	13,000	1,800	12,000
	9/11/91	150,000	180,000	<500	--	16,000	17,000	1,800	16,000
	12/11/91[1]	--	--	--	--	--	--	--	--
	3/11/92	210,000	42,000	--	--	8,600	16,000	2,500	15,000
	6/15/92	59,000	31,000	--	--	8,800	9,800	2,200	12,000
	9/18/92	150,000	110,000	--	--	9,300	7,900	1,100	17,000
	12/8/92	74,000	30,000	--	--	12,000	3,100	640	9,400
	3/10/93	56,000	11,000	--	--	8,300	21,000	2,300	26,000
	6/4/93	29,000	8,300	--	--	3,200	2,900	640	7,100
	10/14/93	82,000	--	--	--	7,300	2,700	1,300	12,000
	4/11/94	62,000	--	--	--	9,600	630	1,800	12,000
	10/20/94	51,000	--	--	--	6,000	270	1,000	8,900
	4/11/95	37,000	--	--	--	5,900	290	1,400	7,800
	3/6/96	46,000	20,000	<5,000	<500	6,800	310	1,900	7,300
	10/18/96	29,000	38,000	25,000	<1,000	4,700	<100	1,200	3,700
	4/9/97	27,000	8,100	<5,000	<500	3,900	77	1,800	5,200
	10/29/97[3]	--	--	--	--	--	--	--	--
	4/7/98	22,000	2,900	<50	<50	2,900	140	980	1,900
	10/7/98	47,000	1,200	<1,000	1,200	2,000	44	1,200	1,500
	4/7/99	19,000	15,000	5,600	4,300	1,500	22	1,000	1,100
	10/19/99	14,000	<50	<50	3,200	880	<50	690	630
	4/26/00	12,000	1,700	---	---	910	28	840	610
	10/31/00	19,000	3,000	<50	---	3,200	<12.0	1,600	640
	2/26/01	6,800	2,800	1,300	---	430	<25	490	260
	4/23/01	7,600	3,300	1,600	---	1,400	17.0	690	330
	7/23/01	10,000	2,900	—	—	2,300	17	940	230
	10/23/01	11,000	2,300	1,400	—	2,800	<50	110	240
	1/22/02	12,000	2,600[12]	---	—	2,500	50	1,100	480
	4/25/02	4,100	4,900	1,600	---	1,700	21	540	180
	7/23/02	6,700	4,100	—	—	1,400	29	240	139
	1/28/03	2,200	4,800	2,200	---	310	5	100	24
	7/22/03	4,000	4,200	1,000	---	940	10	130	46

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
V-2	6/13/91[1]	--	--	--	--	--	--	--	--
	9/11/91[1]	--	--	--	--	--	--	--	--
	12/11/91[1]	--	--	--	--	--	--	--	--
	3/11/92	55,000	4,000	--	--	16,000	2,100	620	1,500
	6/15/92[5]	--	--	--	--	--	--	--	--
	9/18/92[1]	--	--	--	--	--	--	--	--
	12/8/92	19,000	5,100	--	--	7,300	160	<5	350
	3/10/93	25,000	3,200	--	--	3,800	20	140	67
	6/4/93	33,000	3,800	--	--	6,100	41	100	91
	10/13/93[1]	--	--	--	--	--	--	--	--
	4/11/94	32,000	--	--	--	4,000	18	30	20
	10/20/94[1]	--	--	--	--	--	--	--	--
	4/11/95	34,000	--	--	--	2,200	19	150	21
	3/6/96	<5,000	<100	3,400	<100	430	<50	<50	110
	10/18/96	100,000	12,000	14,000	<1,000	1,800	1,200	530	2,000
	4/9/97	6,200	11,000	11,000	<1,000	2,800	19	76	12
	10/30/97	8,000	9,800	9,600	<250	3,400	22	58	13
	4/7/98	6,700	500	<50	<50	2,600	24	50	74
	10/7/98	5,000	1,000	<50	460	1,800	11	18	9.2
	4/7/99	8,100	5,400	1,300	<100	1,600	<50	<50	<50
	10/19/99	210,000	<50	<50	260	1,500	<500	1,200	6,900
	4/26/00	39,000	610	---	---	450	11	24	12
	10/31/00	170	4,700	<50	---	10	1.5	6.9	22
	2/26/01	43,000	9,800	<5,000	---	4,200	64	97	<50
	4/23/01	31,000	610,000	<166,500	---	2,000	<100	160	<100
	7/23/01[11]	—	—	—	—	—	—	—	---

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

Well ID	Date Sampled	TPPH(G)	TPH(D)	Motor Oil	TPH(K)	B	T	E	X
		<----------ppb---------->							
DW-1[13]	6/13/91[4]	790	280	<500	--	390	14	16	34
	9/11/91	660	<50	<500	--	340	7.5	6.6	19
	9/11/91	--	--	--	--	--	--	--	--
	12/11/91	200	4,700	--	--	23	<0.5	0.6	2.2
DW-2[13]	3/6/96	<50	<50	--	--	5.4	<0.5	<0.5	<0.5
	10/21/96	57	<50	--	--	17	<0.5	<0.5	0.5
	4/10/97	<50	60	<500	<50	18	<0.5	<0.5	0.6
	10/30/97	65	--	--	--	24	<0.5	<0.5	0.6
	4/8/98	<50	<50	<50	<50	19	<0.5	<0.5	<0.5
	10/7/98	93	<50	<50	<50	19	<0.5	<0.5	<0.5
	4/7/99	<500	110	100	<50	<0.5	5.9	<0.5	<0.5
	8/30/99[8]	---	---	---	---	---	---	---	---
DW-468	4/2/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	7/31/98	<50	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
	10/7/98	<50	--	--	--	<0.5	<0.5	<0.5	<0.5
	4/7/99	<50	--	--	--	<0.5	<0.5	<0.5	<0.5
	10/19/99	<50	--	--	--	<0.5	<0.5	<0.5	<0.5
	4/26/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	5/26/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	6/26/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	7/21/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	8/29/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	10/02/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	10/31/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	11/30/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	12/19/00	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
	2/2/01[14]	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5

EXPLANATION:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
TPH(K) = Total Petroleum Hydrocarbons as Kerosene
Motor Oil = Diesel-range Motor Oil
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ppb = parts per billion
-- = Not analyzed/Not applicable
ND = Not detected (see note)

Table 3. Analytic Results for Ground Water - Organic Compounds - Redwood Oil Bulk Plant, 455 Yolanda, Santa Rosa

NOTES:

[1] Well was dry, therefore not sampled.

[2] Well inaccessible, therefore not sampled.

[3] Ground water was not sampled due to the presence of free-phase hydrocarbon in the well.

[4] Samples analyzed for Oil and Grease by Standard Methods Method 5520 B&F and were reported as <5,000 ppb.

[5] This well did not contain sufficient water for sampling.

[6] Well not sampled due to construction activities.

[7] TPHgas was present in the diesel range.

[8] Sample not analyzed due to presence of separate phase hydrocarbons.

[9] Well plugged at 7 feet, therefore not sampled.

[10] Unable to access due to well area flooding.

[11] Well will no longer be sampled. It has been switched to a SVE (soil vapor extraction) well.

[12] Sample was flagged. See laboratory analytical report for comments.

[13] Well was destroyed.

[14] Well has been taken out of service.

C1:ECMQMs\507-14.GWT.3

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-1	3/6/96	---	830	---	---	---	---
	10/18/96	---	400	---	---	---	---
	4/9/97	---	900	---	---	---	---
	10/29/97	---	360	---	---	---	---
	4/7/98	---	63,000	---	---	---	---
	10/7/98	ND	25,000	ND	ND	---	ND
	4/7/99	---	1,700	---	---	---	---
	10/19/99	---	3,200	---	---	---	---
	4/26/00	---	---	---	---	---	---
	10/31/00[5]	500	740	<120	<120	<50	<120
	2/2/01	<200	660	<50	<50	<50	<50
	4/23/01	670	3,800	<100	<100	<100	<100
	7/23/01	100	750	<25	<25	<25	<25
	10/23/01	110	1,300	<25	<25	<25	<25
	1/22/02	24	7.2	<5	<5	—	<5
	4/25/02	<200	22	<1	<1	<1	<1
	7/23/02	<200	16	<1	<1	<1	1.0
	1/29/03	<200	<1	<1	<1	<1	<1
	7/22/03	<200	8	<1	<1	<1	<1
	1/20/04	<5	4	<1	<1	<1	<1
	1/18/05	**<5**	**2.9**	**<0.5**	**<0.5**	**<1**	**1.0**
MW-2	3/6/96	---	250,000	---	---	---	---
	10/18/96	---	600,000	---	---	---	---

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-2 cont	4/10/97	---	210,000	---	---	---	---
	10/30/97	36	200,000	---	---	---	11
	4/7/98	---	35,000	---	---	---	---
	10/7/98	ND	100,000	ND	ND	---	ND
	4/7/99	---	4,200	---	---	---	---
	10/19/99	---	110,000	---	---	---	---
	4/26/00	---	---	---	---	---	---
	10/31/00[5]	22,000	32,000	<5000	<5000	<2000	<5000
	2/2/01	<10,000	31,000	<2,500	<2,500	<2,500	<2,500
	4/23/01	15,000	8,900	<500	<500	<500	<500
	7/23/01	7,600	17,000	<1,000	<1,000	<1,000	<1,000
	10/23/01	6,500	14,000	<250	<250	<250	590
	2/21/02	1,300	210	<50	<50	—	<50
	4/25/02	2,100	1,300	<10	<10	<10	83
	7/23/02	1,800	3,400	<1	<1	<1	140
	10/22/02	4,000	14,000	<1,250	<1,250	<1,250	<1,250
	1/28/03	260	590	<1	<1	<1	18
	4/22/03	<200	100	<1	<1	<1	4
	7/22/03	<200	38	<1	<1	<1	3
	1/20/04	<5	16	<1	<1	<1	2
	7/19/04	<5	22	<0.5	<0.5	<0.5	4.7
	1/18/04	**<5**	**13**	**<0.5**	**<0.5**	**<1**	**2.5**

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-3	3/6/96	---	190,000	---	---	---	---
	10/18/96	---	370,000	---	---	---	---
	4/9/97	---	---	---	---	---	---
	10/29/97	---	---	---	---	---	---
	4/7/98	---	230,000	---	---	---	---
	10/7/98	ND	190,000	ND	ND	---	ND
	4/7/99	---	110,000	---	---	---	---
	10/19/99	---	95,000	---	---	---	---
	4/26/00	---	---	---	---	---	---
	10/31/00[1]	---	---	---	---	---	---
	2/2/01	11,000	41,000	<2,500	<2,500	<2,500	<2,500
	4/23/01[6]	---	---	---	---	---	---
	7/23/01	12,000	38,000	<1,000	<1,000	<1,000	1,800
	10/23/01	<20,000	62,000	<5,000	<5,000	<5,000	<5,000
	1/22/02	32,000	14,000	<2,500	<2,500	—	3,300
	4/25/02	<20,000	34,000	<100	<100	<100	770
	7/23/02	6,300	39,000	<1	6	<1	940
	10/22/02	<5,000	25,000	<2,500	<2,500	<2,500	<2,500
	1/28/03	2,900	15,000	<1	2	<1	450
	4/22/03	7,100	39,000	<1	4	<1	1,400
	7/22/03	16,000	47,000	<1	6	<1	1,400
	1/20/04	3,100	42,000	<1	4	1	1,200

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-3 cont.	7/19/04	17,000	47,000	<5	7	<5	1,900
	1/18/05	**4,100**	**25,000**	**<25**	**<25**	**<50**	**850**
MW-4	3/6/96	---	6,400	---	---	---	---
	10/21/96	---	52,000	---	---	---	---
	4/10/97	---	95,000	---	---	---	---
	10/29/97	---	95,000	---	---	---	---
	4/8/98	---	34,000	---	---	---	---
	10/7/98	ND	170,000	ND	ND	---	ND
	4/7/99	---	87,000	---	---	---	---
	10/19/99	---	100,000	---	---	---	---
	4/26/00	130,000	170,000[4]	<5,000	<5,000	---	<5,000
	10/31/00	36,000	54,000	<5,000	<5,000	---	<5,000
	2/2/01	<40	130	<10	<10	<10	68
	4/23/01	19,000	58,000	<1,000	<1,000	<1,000	1,500
	7/23/01	<10,000	49,000	<2,500	<2,500	<2,500	<2,500
	10/23/01	13,000	54,000	<1,250	<1,250	<1,250	1,400
	1/22/02	2,500	1,300	<125	<125	—	160
	4/25/02	<2,000	3,200	<10	<10	<10	65
	7/23/02	200	4,200	<1	<1	<1	60
	10/22/02	<500	4,200	<250	<250	<250	<250
	1/27/03	<200	70	<1	<1	<1	2

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-4 cont.	4/22/03	<200	380	<1	<1	<1	6
	7/22/03	<200	900	<1	<1	<1	15
	1/20/04	<5	19	<1	<1	<1	1
	7/19/04	<5	530	<0.5	<0.5	<0.5	8
	1/18/05	**<5**	**3.8**	**<0.5**	**<0.5**	**<1**	**1.8**
MW-5	3/6/96	---	<5	---	---	---	---
	10/18/96	---	<5	---	---	---	---
	4/9/97	---	<5	---	---	---	---
	10/29/97	---	<5	---	---	---	---
	4/7/98	---	24	---	---	---	---
	10/7/98	ND	<5	ND	ND	---	ND
	4/7/99	---	<0.5	---	---	---	---
	10/19/99	---	67	---	---	---	---
	4/26/00	<10	<2.0[3]	<5.0	<5.0	---	<5.0
	10/31/00[2]	---	---	---	---	---	---
	2/2/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
	1/28/03	<200	2	<1	<1	<1	<1
MW-5A	10/18/96	---	<5	---	---	---	---
	4/10/97	---	26	---	---	---	---

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-5A cont	10/29/97	---	<5	---	---	---	---
	4/7/98	---	<5	---	---	---	---
	10/7/98	ND	<5	ND	ND	---	ND
	4/7/99	---	<0.5	---	---	---	---
	10/19/99	---	---	---	---	---	---
	4/26/00	<10	<2.0[3]	<5.0	<5.0	---	<5.0
	10/31/00[2]	---	---	---	---	---	---
	2/2/01	<20	7.1	<5.0	<5.0	<5.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
	1/28/03	280	1,900	<1	<1	<1	58
MW-7	3/6/96	---	10	---	---	---	---
	10/18/96	---	60	---	---	---	---
	4/9/97	---	<5	---	---	---	---
	10/29/97	---	17	---	---	---	---
	4/7/98	---	9.6	---	---	---	---
	10/7/98	ND	<5	ND	ND	---	ND
	4/7/99	---	31	---	---	---	---
	10/19/99	---	3.6	---	---	---	---
	4/26/00	<10	<2.0[3]	<5.0	<5.0	---	<5.0
	10/31/00[5]	41,000	63,000	<5000	<5000	<2000	<5000
	4/23/01	<20	15	<5.0	<5.0	<5.0	<5.0

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-7 cont.	10/23/01	<20	11	<5	<5	<5	<5
	1/27/03	<200	890	<1	<1	<1	19
	1/20/04	24	290	<1	<1	<1	18
	1/18/05	**93**	**1,300**	**<0.5**	**<0.5**	**<1**	**22**
MW-8	3/6/96	---	6	---	---	---	---
	10/21/96	---	<5	---	---	---	---
	4/10/97	---	<5	---	---	---	---
	4/10/97	---	<5	---	---	---	---
	10/30/97	---	<5	---	---	---	---
	4/8/98	---	29	---	---	---	---
	10/7/98	ND	75	ND	ND	---	ND
	4/7/99	---	280	---	---	---	---
	10/19/99	---	250	---	---	---	---
	4/26/00	<10	<2.0[3]	<5.0	<5.0	---	<5.0
	10/31/00[5]	120	190	<50	<50	<20	<50
	10/23/01	<100	690	<25	<25	<25	<25
	1/27/03	<200	1,300	<1	<1	<1	24
MW-9	10/18/96	---	150	---	---	---	---
	4/10/97	---	2,200	---	---	---	---
	10/29/97	---	4,600	---	---	---	---

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-9 cont	4/8/98	---	450	---	---	---	---
	10/7/98	ND	1,000	ND	ND	---	ND
	4/7/99	---	260	---	---	---	---
	10/19/99	---	97	---	---	---	---
	4/26/00	<10	19[3]	<5.0	<5.0	---	<5.0
	10/31/00	14	22	<5.0	<5.0	<2.0	<5.0
	10/23/01	<100	890	<25	<25	<25	<25
	1/27/03	<200	440	<1	<1	<1	8
	1/20/04	<5	93	<1	<1	<1	4
	1/18/05	**<5**	**54**	**<0.5**	**<0.5**	**<1**	**1.7**
MW-10	4/26/00	<10,000	21,000[4]	<5,000	<5,000	---	<5,000
	10/31/00	23,000	35,000	<5000	<5000	<2000	<5000
	2/2/01	<20,000	51,000	<5,000	<5,000	<5,000	<5,000
	4/23/01	5,400	27,000	<1,000	<1,000	<1,000	<1,000
	7/23/01	<10,000	46,000	<2,500	<2,500	<5 / <2,500	<2,500
	10/23/01	9,400	59,000	<1,250	<1,250	<1,250	1,400
	1/22/02	32,000	18,000	<1,250	<1,250	—	1,800
	4/25/02	<20,000	36,000	<100	<100	<100	1,200
	7/23/02	5,000	34,000	<1	5	<1	910
	10/22/02	<10,000	46,000	<5,000	<5,000	<5,000	<5,000
	1/27/03	3,100	23,000	<1	4	<1	720

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-10 cont.	4/22/03	910	7,100	<1	<1	<1	220
	7/22/03	4,000	15,000	5	3	<1	490
	1/20/04	520	7,300	1	<1	<1	170
	1/18/05	**900**	**2,200**	**4.0**	**<0.5**	**<1**	**100**
MW-11	5/8/00	<100	150	<50	<50	---	<50
	10/31/00	140	280	<50	<50	<20	<50
	2/2/01	<100	310	<25	<25	<25	<25
	4/23/01	<20	17	<5.0	<5.0	<5.0	<5.0
	7/23/01	<20	68	<5.0	<5.0	<5.0	<5.0
	10/23/01	<20	99	<5	<5	<5	<5
	1/22/02	110	43	<10	<10	<10	<10
	4/25/02	<200	38	<1	<1	<1	<1
	7/23/02	<200	60	<1	<1	<1	<1
MW-12	5/8/00	<10	3.2	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	2/2/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	4/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	7/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
	1/22/02	<20	<5	<5	<5	<5	<5

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
	4/25/02	<200	<1	<1	<1	<1	<1
	7/23/02	<200	<1	<1	<1	<1	<1
MW-13[8]	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	2/2/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	4/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
MW-13 cont.	7/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
MW-14[8]	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	2/2/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	4/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	7/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
MW-15	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
	1/27/03	<200	<1	<1	<1	<1	<1

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
MW-16	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
	1/27/03	<200	1	<1	<1	<1	<1
MW-17	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
MW-17 cont.	10/23/01	<20	<5	<5	<5	<5	<5
MW-18	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
	1/27/03	<200	<1	<1	<1	<1	<1
MW-19	5/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	,5.0	<5.0	<2.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5
MW-20	6/8/00	<10	<2.0	<5.0	<5.0	---	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	10/23/01	<20	<5	<5	<5	<5	<5

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
V-1	3/6/96	---	<1,000	---	---		---
	10/18/96	---	<1,000	---	---		---
	4/9/97	---	1,200	---	---		---
	10/29/97	---	---	---	---		---
	4/7/98	---	1,900	---	---		---
	10/7/98	ND	<100	ND	ND		ND
	4/7/99	---	100	---	---		---
V-1 cont	10/19/99	---	<50	---	---		---
	4/26/00	<10,000	6,500[4]	<5,000	<5,000		<5,000
	10/31/00[5]	<1,000	<200	<500	<500	<200	<500
	2/26/01	<100	<25	<25	<25	<25	<25
	4/23/01	23	15	<5.0	<5.0	<5.0	<5.0
	7/23/01	<40	16	<10	<10	<10	<10
	10/23/01	28	13	<5	<5	<5	<5
	1/22/02	360	<100	<100	<100	—	<100
	1/22/02[10]	<400	<100	<100	<100	---	<100
	4/25/02	<2,000	12	<10	<10	<10	<10
	7/23/02	<200	10	<1	<1	<1	<1
	1/28/03	<200	6	<1	<1	<1	<1
	7/22/03	<200	7	<1	<1	<1	<1
V-2	3/6/96	---	6,000	---	---		---

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
	10/18/96	---	40,000	---	---		---
	4/9/97	---	80,000	---	---		---
	10/30/97	---	68,000	---	---		---
	4/7/98	---	77,000	---	---		---
	10/7/98	ND	120,000	ND	ND		ND
	4/7/99	---	98,000	---	---		---
	10/19/99	---	79,000	---	---		---
V-2 cont	4/26/00	57,000	94,000[4]	<5,000	<5,000		<5,000
	10/31/00	<10	8.1	<5.0	<5.0	<2.0	<5.0
	2/26/01	<20,000	130,000	<5,000	<5,000	<5,000	<5,000
	4/23/01	20,000	47,000	<1,000	<1,000	<1,000	<1,000
	7/23/01[7]	—	—	—	—	—	----
DW-2	10/21/96	---	540	---	---		---
	4/10/97	---	560	---	---		---
	10/30/97	---	1,500	---	---		---
	4/8/98	---	1,300	---	---		---
	10/7/98	ND	2,300	ND	ND		ND
	4/7/99	---	3,500	---	---		---
DW-468	4/2/98	ND	<5	ND	ND		ND
	7/31/98	ND	<5	ND	ND		ND

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
	10/7/98	---	<0.5	---	---		---
	4/7/99	---	<0.5	---	---		---
	10/19/99	---	<0.5	---	---		---
	4/26/00	<10	<2.0[3]	<5.0	<5.0		<5.0
	5/26/00	<10	<2.0	<5.0	<5.0	---	<5.0
	6/26/00	---	---	---	---	---	---
	7/21/00	---	---	---	---	---	---
DW-468	8/29/00	---	---	---	---	---	---
	10/2/00[5]	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	10/31/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	11/30/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	12/19/00	<10	<2.0	<5.0	<5.0	<2.0	<5.0
	2/2/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	3/23/01	<10.0	<2.0	<5.0	<5.0	<2.0	<5.0
	4/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	5/14/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	6/18/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	7/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	8/22/01	<20	<5	<5	<5	<5	<5
	9/13/01	<20	<5	<5	<5	<5	<5
	10/23/01	<20	<5	<5	<5	<5	<5
	11/20/01	<20	<5	<5	<5	<5	<5

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

Well ID	Date Sampled	Tert-Butanol	MTBE	Diisopropyl Ether	Ethyl-tert-butyl-ether	Lead Scavengers	Tert-Amylmethyl ether
		<---------- parts per billion ---------->					
	12/4/01[9]	<20	<5	<5	<5	<5	<5
DW-404	6/22/01	<20	<5.0	<5.0	<5.0	—	<5.0
	7/23/01	<20	<5.0	<5.0	<5.0	<5.0	<5.0
	8/22/01	<20	<5	<5	<5	<5	<5
	9/13/01	<20	<5	<5	<5	<5	<5
	10/23/01	<20	<5	<5	<5	<5	<5
DW-404	11/20/01	<20	<5	<5	<5	<5	<5
	12/4/01[9]	<20	<5	<5	<5	<5	<5

Explanation:

MTBE: Methyl tertiary-butyl ether

Notes:

1. Well plugged at seven feet, therefore not sampled.
2. Unable to sample due to well area flooding.
3. Analyzed by EPA method 8260B for full scan of analytes including fuel oxygenates. No other analytes were detected.
4. Analyzed by EPA method 8260B for full scan of analytes including fuel oxygenates. See laboratory analytical report for results not listed in table.
5. On 6/13/00 MW-7 and V-1 were sampled for organic lead. No lead was detected at detection limits of 1,000 ppb. On 9/11/00 MW-1, MW-2, MW-7, MW-8, V-1, and DW-468 were also sampled for organic lead. No lead was detected at detection limits of 1,000 ppb.

Table 4. Analytical Results for Ground Water - Fuel Oxygenates & Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Avenue, Santa Rosa, California

6. Well inaccessible.
7. Well will no longer be sampled. It has been switched to a SVE (soil vapor extraction) well.
8. Well has been destroyed.
9. Well has been taken out of service.
10. Lab reissued data with corrected Tert-butanol results.

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Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-21	2/26/01	24	<100	<100	<100	2,100	<100	810
	2/26/01	50	<50	<50	<50	710	<50	340
	2/26/01	75	<500	<500	<500	8,900	<500	<2,000
	2/26/01	110	<100	<100	<100	1,400	<100	650
	2/26/01	143	<50	<50	<50	900	<50	420
	2/26/01	158	<25	<25	<25	580	<25	270
	2/26/01	165.5	<100	<100	<100	1,100	<100	<400
	4/26/01	24	---	<500	<500	9,400	<500	7,500
	4/26/01	50	---	<50	<50	1,000	<50	430
	4/26/01	75	---	<1,000	<1,000	17,000	<1,000	<4,000
	4/26/01	110	---	<25	<25	660	<25	200
	4/26/01	143	---	<50	<50	1,100	<50	320
	4/26/01	158	---	<25	<25	400	<25	<100
	4/26/01	165.5	---	<100	<100	2,300	<100	480
	7/25/01	24	<250	<250	<250	6,300	<250	4,600
	7/25/01	75	<500	<500	<500	18,000	<500	2,800
	7/25/01	143	<25	<25	<25	990	<25	250
	7/25/01	165.5	<100	<100	<100	2,100	<100	460
	10/25/01	24	<25	<25	<25	310	<25	1,200
	10/25/01	75	<500	<500	<500	16,000	<500	23,000
	10/25/01	143	<50	<50	<50	790	<50	1,200
	10/25/01	165.5	<100	<100	<100	2,000	<100	3,100

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-21 cont	1/24/02	24	<5	<5	<5	170	<5	51
	1/24/02	75	<1,000	<1,000	<1,000	18,000	<1,000	<4,000
	1/24/02	143	<25	<25	<25	860	<25	480
	1/24/02	165.5	<100	<100	<100	1,800	<100	<400
	5/1/02	24	<1	<1	<1	56	2	<200
	5/1/02	75	<100	<100	<100	23,000	330	<20,000
	5/1/02	143	<10	<10	<10	960	12	<2,000
	5/1/02	165.5	<10	<10	<10	1,500	22	<2,000
	7/25/02	24	<1	<1	<1	4	<1	<200
	7/25/02	75	<1	<1	<1	20,000	270	1,400
	7/25/02	143	<1	<1	<1	880	10	<200
	7/25/02	165.5	<1	<1	<1	1,300	18	220
	10/24/02	24	<10	<10	<10	70	<10	<20
	10/24/02	75	<1,250	<1,250	<1,250	23,000	<1,250	2,800
	10/24/02	143	<50	<50	<50	760	<50	120
	10/24/02	165.5	<125	<125	<125	1,400	<125	<250
	1/31/03	24	<1	<1	<1	47	<1	<200
	1/31/03	75	<1	<1	1	28,000	320	2,400
	1/31/03	143	<1	<1	<1	1,100	14	<200
	1/31/03	165.5	<1	<1	<1	1,700	26	<200
	4/23/03	24	<1	<1	<1	460	8	<200
	4/23/03	75	<1	<1	1	27,000	300	3,300
	4/23/03	143	<1	<1	<1	720	11	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-21 cont	4/23/03	165.5	<1	<1	<1	900	14	<200
	7/25/03	24	<1	<1	<1	64	<1	<200
	7/25/03	75	<1	<1	1	25,000	310	5,600
	7/25/03	143	<1	<1	<1	880	12	200
	7/25/03	165.5	<1	<1	<1	910	13	<200
	1/22/04	24	<1	<1	<1	95	2	5
	1/22/04	75	<1	<1	2	28,000	420	4,200
	1/22/04	143	<1	<1	<1	720	12	100
	1/22/04	165.5	<1	<1	<1	870	14	110
	7/19/04	24	<0.5	<0.5	<0.5	200	5.4	38
	7/19/04	75	<5	<5	<5	22,000	350	3,800
	7/19/04	143	<0.5	<0.5	<0.5	980	17	120
	7/19/04	165.5	<0.5	<0.5	<0.5	960	14	130
	1/20/05	**24**	**<1**	**<0.5**	**<0.5**	**920**	**20**	**94**
	1/20/05	**75**	**<1**	**0.6**	**1.2**	**23,000**	**300**	**3,300**
	1/20/05	**143**	**<1**	**<0.5**	**<0.5**	**970**	**15**	**66**
	1/20/05	**165.5**	**<1**	**<0.5**	**<0.5**	**920**	**16**	**130**
MW-22	2/26/01	22	<100	<100	<100	2,000	<100	830
	2/26/01	47	<25	<25	<25	380	<25	110
	2/26/01	72.5	<25	<25	<25	480	<25	140
	2/26/01	113	<100	<100	<100	2,000	<100	600
	2/26/01	144	<25	<25	<25	720	<25	230

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-22 cont	2/26/01	164.5	<25	<25	<25	630	<25	200
	2/26/01	177.5	<5.0	<5.0	<5.0	59	<5.0	75
	4/27/01	22	---	<2,500	<2,500	86,000	<2,500	18,000
	4/27/01	47	---	<25	<25	1,500	<25	510
	4/27/01	72.5	---	<5.0	<5.0	9.5	<5.0	<20.0
	4/27/01	113	---	<10.0	<10.0	390	11	160
	4/27/01	144	---	<5.0	<5.0	6.2	<5.0	<20.0
	4/27/01	164.5	---	<5.0	<5.0	31	<5.0	36
	4/27/01[1]	177.5	---	---	---	----	---	---
	7/2501	22	<2,500	<2,500	<2,500	92,000	<2,500	16,000
	7/25/01	72.5	<5.0	<5.0	<5.0	160	7.0	<20
	7/25/01	144	<5.0	<5.0	<5.0	71	<5.0	40
	7/25/01	164.5	<5.0	<5.0	<5.0	95	<5.0	53
	10/25/01[2]	22	—	—	—	—	—	---
	10/25/01	72.5	<5	<5	<5	31	<5	<20
	10/25/01	144	<5	<5	<5	45	<5	110
	10/25/01	164.5	<5	<5	<5	28	<5	75
	1/24/02	22	<10,000	<10,000	<10,000	100,000	<10,000	<40,000
	1/24/02	72.5	<5	<5	<5	200	5.2	34
	1/24/02	144	<5	<5	<5	150	<5	75
	1/24/02	177.5	<5	<5	<5	160	<5	75
	5/1/02	22	<1,000	<1,000	<1,000	100,000	2,000	<200,000
	5/1/02	72.5	<1	<1	<1	200	8	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-22 cont	5/1/02	144	<1	<1	<1	52	3	<200
	5/1/02	177.5	<1	<1	<1	39	2	<200
	7/25/02	22	2	<1	5	120,000	2,300	6,000
	7/25/02	72.5	<1	<1	<1	290	8	<200
	7/25/02	144	<1	<1	<1	30	1	<200
	7/25/02	177.5	<1	<1	<1	21	<1	<200
	10/24/02[2]	22	---	---	---	---	---	---
	10/24/02	72.5	<25	<25	<25	210	<25	<50
	10/24/02	144	<5	<5	<5	6.2	<5	<10
	10/24/02	177.5	<5	<5	<5	3.1	<5	<10
	1/31/03	22	<1	<1	4	85,000	1,600	5,000
	1/31/03	72.5	<1	<1	<1	2,500	65	<200
	1/31/03	144	<1	<1	<1	1,400	31	<200
	1/31/03	177.5	<1	<1	<1	220	5	<200
	4/23/03	22	<1	<1	3	50,000	1,000	9,100
	4/23/03	72.5	<1	<1	<1	280	11	<200
	4/23/03	144	<1	<1	<1	140	6	<200
	4/23/03	177.5	<1	<1	<1	280	9	<200
	7/24/03	22	<1	<1	3	83,000	1,700	17,000
	7/24/03	72.5	<1	<1	<1	67	3	<200
	7/24/03	144	<1	<1	<1	49	2	<200
	7/24/03	177.5	<1	<1	<1	52	2	<200
	1/22/04	22	2	<1	3	81,000	1,400	9,100

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-22 cont.	1/22/04	72.5	<1	<1`	<1	120	5	<5
	1/22/04	144	<1	<1	<1	50	2	<5
	1/22/04	177.5	<1	<1	<1	42	2	<5
	7/19/04	22	<5	<5	<5	49,000	1,700	6,500
	7/19/04	72.5	<0.5	<0.5	<0.5	470	19	<5
	7/19/04	144	<0.5	<0.5	<0.5	31	1.6	<5
	7/19/04	177.5	<0.5	<0.5	<0.5	45	2.2	<5
	1/20/05	**22**	**2.1**	**<0.5**	**1.6**	**51,000**	**1,200**	**6,600**
	1/20/05	**72.5**	**<1**	**<0.5**	**<0.5**	**480**	**16**	**26**
	1/20/05	**144**	**<1**	**<0.5**	**<0.5**	**140**	**5.5**	**<5**
	1/20/05	**177.5**	**<1**	**<0.5**	**<0.5**	**59**	**2.9**	**<5**
MW-23	2/26/01	25	<100	<100	<100	2,100	<100	1,100
	2/26/01	50	<5.0	<5.0	<5.0	150	<5.0	100
	2/26/01	75	<5.0	<5.0	<5.0	92	<5.0	60
	2/26/01	120.5	<10	<10	<10	210	<10	140
	2/26/01	148.5	<5.0	<5.0	<5.0	120	<5.0	81
	2/26/01	163.5	<5.0	<5.0	<5.0	13	<5.0	21
	2/26/01	180	<5.0	<5.0	<5.0	<5.0	<5.0	<20
	4/30/01	25	---	<250	<250	6,300	<250	1,200
	4/30/01	50	---	<5.0	<5.0	49	<5.0	<20
	4/30/01	75	---	<5.0	<5.0	19	<5.0	<20
	4/30/01	120.5	---	<5.0	<5.0	6.4	<5.0	<20

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-23 cont	4/30/01	148.5	---	<5.0	<5.0	22	<5.0	70
	4/30/01	163.5	---	<5.0	<5.0	<5.0	<5.0	<20
	4/30/01	180	---	<5.0	<5.0	48	<5.0	<20
	7/25/01[3]	25	---	—	—	—	—	---
	7/25/01	75	<5.0	<5.0	<5.0	42	<5.0	<20
	7/25/01	148.5	<5.0	<5.0	<5.0	71	<5.0	63
	7/25/01	180	<5.0	<5.0	<5.0	13	<5.0	31
	10/25/01[2]	25	—	—	—	—	—	---
	10/25/01	75	<5	<5	<5	21	<5	74
	10/25/01	148.5	<5	<5	<5	6.5	<5	58
	10/25/01	180	<5	<5	<5	<5	<5	39
	1/24/02	25	<250	<250	<250	4,800	<250	<1,000
	1/24/02	75	<5	<5	<5	19	<5	<20
	1/24/02	148.5	<10	<10	<10	92	<10	150
	1/24/02	180	<5	<5	<5	6.3	<5	<20
	5/1/02	25	<10	<10	<10	980	25	<2,000
	5/1/02	75	<1	<1	<1	7	<1	<200
	5/1/02	148.5	<1	<1	<1	17	<1	<200
	5/1/02	180	<1	<1	<1	<1	<1	<200
	7/24/02	25	<1	<1	<1	580	16	<200
	7/24/02	75	<1	<1	<1	13	<1	<200
	7/24/02	148.5	<1	<1	<1	11	<1	<200
	7/24/02	180	<1	<1	<1	<1	<1	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-23 cont	10/24/02[2]	25	---	---	---	---	---	---
	10/24/02	75	<5	<5	<5	21	<5	<10
	10/24/02	148.5	<5	<5	<5	7.9	<5	16
	10/24/02	180	<5	<5	<5	<1	<5	<10
	1/31/03	25	<1	<1	<1	530	14	<200
	1/31/03	75	<1	<1	<1	58	2	<200
	1/31/03	148.5	<1	<1	<1	27	1	<200
	1/31/03	180	<1	<1	<1	4	<1	<200
	4/23/03	25	<1	<1	<1	570	14	<200
	4/23/03	75	<1	<1	<1	28	<1	<200
	4/23/03	148.5	<1	<1	<1	5	<1	<200
	4/23/03	180	<1	<1	<1	<1	<1	<200
	7/24/03	25	<1	<1	<1	200	5	<200
	7/24/03	75	<1	<1	<1	49	<1	<200
	7/24/03	148.5	<1	<1	<1	4	<1	<200
	7/24/03	180	<1	<1	<1	<1	<1	<200
	1/22/04	25	<1	<1	<1	230	5	19
	1/22/04	75	<1	<1	<1	62	<1	<5
	1/22/04	148.5	<1	<1	<1	3	<1	7
	1/22/04	180	<1	<1	<1	<1	<1	8
	7/19/04	25	<0.5	<0.5	<0.5	180	4.8	18
	7/19/04	75	<0.5	<0.5	<0.5	48	0.7	6
	7/19/04	148.5	<0.5	<0.5	<0.5	2.4	<0.5	6
	7/19/04	180	<1	<0.5	<0.5	0.9	<0.5	6

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-23 cont.	**1/20/05**	**25**	**<1**	**<0.5**	**<0.5**	**53**	**1.4**	**7**
	1/20/05	**75**	**<1**	**<0.5**	**<0.5**	**53**	**0.7**	**7**
	1/20/05	**148.5**	**<1**	**<0.5**	**<0.5**	**3.2**	**<0.5**	**7**
	1/20/05	**180**	**<1**	**<0.5**	**<0.5**	**1.2**	**<0.5**	**5**
MW-24	2/26/01	23	<5.0	<5.0	<5.0	8.4	<5.0	<20
	2/26/01	48	<5.0	<5.0	<5.0	5.3	<5.0	<20
	2/26/01	73	<5.0	<5.0	<5.0	8.3	<5.0	<20
	2/26/01	113	<5.0	<5.0	<5.0	<5.0	<5.0	<20
	2/26/01	146	<5.0	<5.0	<5.0	<5.0	<5.0	<20
	2/26/01	161	<5.0	<5.0	<5.0	<5.0	<5.0	<20
	2/26/01	178	<5.0	<5.0	<5.0	<5.0	<5.0	<20
	5/1/01	23	---	<5.0	<5.0	8.2	<5.0	31.0
	5/1/01	48	---	<5.0	<5.0	<5.0	<5.0	<20.0
	5/1/01	73	---	<5.0	<5.0	<5.0	<5.0	<20.0
	5/1/01	113	---	<5.0	<5.0	<5.0	<5.0	<20.0
	5/1/01	146	---	<5.0	<5.0	<5.0	<5.0	69.0
	5/1/01	161	---	<5.0	<5.0	<5.0	<5.0	50.0
	5/1/01	178	---	<5.0	<5.0	<5.0	<5.0	22.0
	7/25/01	23	<5.0	<5.0	<5.0	58	<5.0	22
	7/25/01	73	<5.0	<5.0	<5.0	6.6	<5.0	<20
	7/25/01	146	<5.0	<5.0	<5.0	18	<5.0	69
	7/25/01	178	<5.0	<5.0	<5.0	8.0	<5.0	52

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-24 cont	10/25/01[2]	23	—	—	—	—	—	---
	10/25/01	73	<5	<5	<5	<5	<5	<20
	10/25/01	146	<5	<5	<5	<5	<5	50
	10/25/01	178	<5	<5	<5	<5	<5	40
	1/25/02	23	<1.5	<2.5	<2.5	82	<0.5	<55
	1/25/02	73	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	1/25/02	146	<0.3	<0.5	<0.5	8.2	<0.1	30
	1/25/02	178	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	4/29/02	23	<1	<1	<1	4	<1	<200
	4/29/02	73	<1	<1	<1	<1	<1	<200
	4/29/02	146	<1	<1	<1	<1	<1	<200
	4/29/02	178	<1	<1	<1	<1	<1	<200
	7/24/02	23	<1	<1	<1	5	<1	<200
	7/24/02	73	<1	<1	<1	<1	<1	<200
	7/24/02	146	<1	<1	<1	<1	<1	<200
	7/24/02	178	<1	<1	<1	<1	<1	<200
	10/23/02	23	<5	<5	<5	6.0	<5	<10
	10/23/02	73	<5	<5	<5	<1	<5	<10
	10/23/02	146	<5	<5	<5	13	<5	<10
	10/23/02	178	<5	<5	<5	<1	<5	<10

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-25	1/28/02	25	<1.5	<2.5	<2.5	<1.5	<0.5	<55
	1/28/02	75	<6	<10	<10	<6	<2	<220
	1/28/02	145	<6	<10	<10	<6	<2	<220
	1/28/02	180	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	1/28/02	230	<6	<10	<10	<6	<2	<220
	4/30/02	25	<1	<1	<1	<1	<1	<200
	4/30/02	75	<1	<1	<1	<1	<1	<200
	4/30/02	145	<1	<1	<1	<1	<1	<200
	4/30/02	180	<1	<1	<1	<1	<1	<200
	4/30/02	230	<1	<1	<1	<1	<1	<200
	7/26/02	25	<1	<1	<1	2	<1	<200
	7/26/02	75	<1	<1	<1	<1	<1	<200
	7/26/02	145	<1	<1	<1	<1	<1	<200
	7/26/02	180	<1	<1	<1	<1	<1	<200
	7/26/02	230	<1	<1	<1	<1	<1	<200
MW-26	1/25/02	25	<60	<100	<100	<60	<20	<2,200
	1/25/02	75	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	1/25/02	145	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	1/25/02	180	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	5/2/02	25	<1	<1	<1	4	<1	<200
	5/2/02	75	<1	<1	<1	<1	<1	<200
	5/2/02	145	<1	<1	<1	1	<1	<200
	5/2/02	180	<1	<1	<1	1	<1	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-26 cont.	7/26/02[2]	25	—	----	----	—	—	—
	7/26/02	75	<1	<1	<1	<1	<1	<200
	7/26/02	145	<1	<1	<1	<1	<1	<200
	7/26/02	180	<1	<1	<1	<1	<1	<200
	4/23/03	25	<1	<1	<1	<1	<1	<200
	4/23/03	75	<1	<1	<1	<1	<1	<200
	4/23/03	145	<1	<1	<1	<1	<1	<200
	4/23/03	180	<1	<1	<1	<1	<1	<200
	1/21/04	25	<1	<1	<1	<1	<1	<5
	1/21/04	75	<1	<1	<1	<1	<1	11
	1/20/05	**25**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5**
	1/20/05	**75**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**8**
MW-27	1/28/02	25	<6	<10	<10	<6	<2	<220
	1/28/02	75	<1.5	<2.5	<2.5	2.3	<0.5	<55
	1/28/02	145	<6	<10	<10	<6	<2	<220
	1/28/02	180	<1.5	<2.5	<2.5	<1.5	<0.5	<55
	1/28/02	230	<0.6	<1	<1	1.5	<0.2	<22
	4/30/02	25	<1	<1	<1	<1	<1	<200
	4/30/02	75	<1	<1	<1	<1	<1	<200
	4/30/02	145	<1	<1	<1	<1	<1	<200
	4/30/02	180	<1	<1	<1	<1	<1	<200
	4/30/02	230	<1	<1	<1	<1	<1	<200
	7/26/02	25	<1	<1	<1	6	<1	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-27 cont.	7/26/02	75	<1	<1	<1	10	<1	<200
	7/26/02	145	<1	<1	<1	<1	<1	<200
	7/26/02	180	<1	<1	<1	<1	<1	<200
	7/26/02	230	<1	<1	<1	6	<1	<200
	10/23/02	25	<5	<5	<5	<1	<5	<10
	10/23/02	75	<500	<500	<500	<100	<500	<1,000
	10/23/02	145	<5	<5	<5	<1	<5	<10
	10/23/02	180	<5	<5	<5	<1	<5	<10
	10/23/02	230	<5	<5	<5	<1	<5	26
MW-28	1/25/02	25	<30	<50	<50	35	<10	<1,100
	1/25/02	75	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	1/25/02	145	<0.3	<0.5	<0.5	<0.3	<0.1	<11
	1/25/02	180	<0.6	<1	<1	0.6	<0.2	<22
	5/2/02	25	<1	<1	<1	4	<1	<200
	5/2/02	75	<1	<1	<1	2	<1	<200
	5/2/02	145	<1	<1	<1	2	<1	<200
	5/2/02	180	<1	<1	<1	<1	<1	<200
	7/26/02[2]	25	—	—	—	—	—	---
	7/26/02	75	<1	<1	<1	<1	<1	<200
	7/26/02	145	<1	<1	<1	<1	<1	<200
	7/26/02	180	<1	<1	<1	<1	<1	<200
	1/31/03	25	<1	<1	<1	12	<1	<200
	1/31/03	75	<1	<1	<1	4	<1	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-28 cont.	1/31/03	145	<1	<1	<1	2	<1	<200
	1/31/03	180	<1	<1	<1	1	<1	<200
	7/23/03	25	<1	<1	<1	<1	<1	<200
	7/23/03	75	<1	<1	<1	<1	<1	<200
	7/23/03	145	<1	<1	<1	<1	<1	<200
	7/23/03	180	<1	<1	<1	<1	<1	<200
	1/21/04	25	<1	<1	<1	<1	<1	6
	1/21/04	75	<1	<1	<1	<1	<1	8
	1/19/05	**25**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5**
	1/19/05	**75**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**6**
MW-29	1/25/02	25	<6	<10	<10	13	<2	<220
	1/25/02	75	<6	<10	<10	6.0	<2	<220
	1/25/02	145	<6	<10	<10	<6	<2	<220
	1/25/02	180	<6	<10	<10	<6	<2	<220
	5/1/02	25	<1	<1	<1	<1	<1	<200
	5/1/02	75	<1	<1	<1	<1	<1	<200
	5/1/02	145	<1	<1	<1	<1	<1	<200
	5/1/02	180	<1	<1	<1	<1	<1	<200
	7/24/02	25	<1	<1	<1	3	<1	<200
	7/24/02	75	<1	<1	<1	<1	<1	<200
	7/24/02	145	<1	<1	<1	<1	<1	<200
	7/24/02	180	<1	<1	<1	<1	<1	<200
	1/31/03	25	<1	<1	<1	50	2	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-29 cont.	1/31/03	75	<1	<1	<1	16	<1	<200
	1/31/03	145	---	----	---	---	---	---
	1/31/03	180	---	---	---	---	---	---
	1/21/04	25	<1	<1	<1	2	<1	9
	1/21/04	75	<1	<1	<1	<1	<1	24
	1/19/05	**25**	**<1**	**<0.5**	**<0.5**	**0.6**	**<0.5**	**6**
	1/19/05	**75**	**<1**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**12**
MW-30	1/28/02	25	<3	<5	<5	170	<1	<110
	1/28/02	75	<6	<10	<10	12	<2	<220
	1/28/02	145	<1.5	<2.5	<2.5	1.6	<0.5	<55
	1/28/02	180	<3	<5	<5	<3	<1	<110
	1/28/02	230	<1.5	<2.5	<2.5	<1.5	<0.5	<55
	4/29/02	25	<1	<1	<1	130	<1	<200
	4/29/02	75	<1	<1	<1	2	<1	<200
	4/29/02	145	<1	<1	<1	<1	<1	<200
	4/29/02	180	<1	<1	<1	<1	<1	<200
	4/29/02	230	<1	<1	<1	<1	<1	<200
	7/24/02	25	<1	<1	<1	150	<1	<200
	7/24/02	75	<1	1	<1	1	<1	<200
	7/24/02	145	<1	<1	<1	<1	<1	<200
	7/24/02	180	<1	<1	<1	<1	<1	<200
	7/24/02	230	<1	<1	<1	<1	<1	<200

Table 5. Analytical Results for Ground Water in Multi-Level Wells - Fuel Oxygenates and Lead Scavengers - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Well ID	Sample Date	Sample Depth (in feet)	Lead Scavengers	Diisopropyl Ether	Ethyl-tert-butyl-Ether	MTBE	tert-Amyl Methyl Ether	tert-Butanol
			<---------- ppb ---------->					
MW-30 cont.	1/31/03	25	<1	<1	<1	220	2	<200
	1/31/03	75	<1	2	<1	8	<1	<200
	1/31/03	145	<1	1	<1	21	1	<200
	1/31/03	180	<1	<1	<1	6	<1	<200
	1/31/03	230	<1	<1	<1	7	<1	<200
	7/23/03[2]	25	---	---	---	---	---	---
	7/23/03	75	<1	1	<1	3	<1	<200
	7/23/03	145	<1	<1	<1	1	<1	<200
	7/23/03	180	<1	<1	<1	<1	<1	<200
	7/23/03	230	<1	<1	<1	<1	<1	<200
	1/21/04	25	<1	<1	<1	200	1	<5
	1/21/04	75	<1	2	<1	4	<1	<5
	1/19/05	**25**	**<1**	**<0.5**	**<0.5**	**170**	**1.1**	**<5**
	1/19/05	**75**	**0.7**	**2.2**	**<0.5**	**6.0**	**<0.5**	**<5**

Explanation:

MTBE = Methyl tertiary-butyl ether
ppb = parts per billion

Notes:

[1] Port was inaccessible.

[2] Port was dry, therefore not sampled.

ECMQMs\507\50714TGW.T5mlw

Table 6. Analytical Results for Ground Water in Multi-Level Wells - Organic Compounds - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Sample ID	Sample Date	Sample Depth (in feet)	TPPH(G)	TPH(D)	Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes
			< ---------- ppb ---------- >						
MW-21	10/24/02	24	130	220	320	3.0	0.65	<0.5	10
	10/24/02	75	13,000	620	720	<100	<100	<100	<200
	10/24/02	143	750	210	<250	36	15	7.6	31
	10/24/02	165.5	1,100	200	<250	17	9.2	<5	17
	1/31/03	24	54	410	<250	13	2	1	10
	1/31/03	75	790	780	430	180	69	44	175
	1/31/03	143	730	210	<250	210	74	46	184
	1/31/03	165.5	310	230	<250	77	34	19	71
	4/23/03	24	92	370	<250	16	2	1	9
	4/23/03	75	1,400	640	310	250	72	52	210
	4/23/03	143	420	220	<250	88	31	21	88
	4/23/03	165.5	210	190	<250	37	14	8	37
	7/25/03	24	84	330	<250	21	2	2	12
	7/25/03	75	740	550	<250	110	38	27	105
	7/25/03	143	210	90	<250	41	16	11	43
	7/25/03	165.5	110	140	<250	19	8	6	22
	1/22/04	24	65	370	370	18	<1	1	4
	1/22/04	75	1,400	650	330	150	48	37	140
	1/22/04	143	230	190	<250	38	15	12	47
	1/22/04	165.5	130	110	<250	18	8	7	28
	7/19/04	24	150	270	<250	36	3.5	2.5	10
	7/19/04	75	1,900	770	300	330	85	80	260
	7/19/04	143	610	310	<250	89	32	27	100
	7/19/04	165.5	190	62	<250	20	8.7	7.9	29

Table 6. Analytical Results for Ground Water in Multi-Level Wells - Organic Compounds - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Sample ID	Sample Date	Sample Depth (in feet)	TPPH(G)	TPH(D)	Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes
			< ---------- ppb ---------- >						
MW-21 cont.	**1/20/05**	**24**	**250**	**470**	**<1,250**	**30**	**2.6**	**3.5**	**8.6**
	1/20/05	**75**	**1,200**	**950**	**<250**	**150**	**42**	**51**	**147**
	1/20/05	**143**	**660**	**260**	**<250**	**69**	**27**	**25**	**95**
	1/20/05	**165.5**	**190**	**160**	**<250**	**25**	**10**	**10**	**33**
MW-22	10/24/02[1]	22	—	—	—	—	—	—	---
	10/24/02	72.5	140	160	290	<1.25	<1.25	<1.25	<2.5
	10/24/02	144	<50	330	380	<0.5	<0.5	<0.5	<1
	10/24/02	177.5	<50	100	<250	<0.5	<0.5	<0.5	<1
	1/31/03	22	600	2,000	720	1	<1	<1	<1
	1/31/03	72.5	<50	120	<250	1	<1	<1	<1
	1/31/03	144	<50	120	<250	<1	<1	<1	<1
	1/31/03	177.5	<50	98	<250	<1	<1	<1	<1
	4/23/03	22	810	2,100	510	<1	<1	<1	<1
	4/23/03	72.5	<50	<50	<250	<1	<1	<1	<1
	4/23/03	144	<50	110	<250	<1	<1	<1	<1
	4/23/03	177.5	<50	93	<250	<1	<1	<1	<1
	7/24/03	22	1,400	1,300	420	<1	<1	<1	<1
	7/24/03	72.5	<50	<50	<250	<1	<1	<1	<1
	7/24/03	144	<50	<50	<250	<1	<1	<1	<1
	7/24/03	177.5	<50	<50	<250	<1	<1	<1	<1
	1/22/04	22	890	590	<250	<1	<1	<1	<1
	1/22/04	72.5	<50	<50	<250	<1	<1	<1	<1
	1/22/04	144	<50	<50	<250	<1	<1	<1	<1

Table 6. Analytical Results for Ground Water in Multi-Level Wells - Organic Compounds - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Sample ID	Sample Date	Sample Depth (in feet)	TPPH(G)	TPH(D)	Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes
			< ---------- ppb ---------- >						
MW-22 cont.	1/22/04	177.5	<50	72	<250	<1	<1	<1	<1
	7/19/04	22	1,500	370	<250	<5	<5	<5	<15
	7/19/04	72.5	<50	<50	<250	<0.5	<0.5	<0.5	<1.5
	7/19/04	144	<50	<50	<250	<0.5	<0.5	<0.5	<1.5
	7/19/04	177.5	<50	57	<250	<0.5	<0.5	<0.5	<1.5
	1/20/05	**22**	**760**	**1,100**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
	1/20/05	**72.5**	**<50**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
	1/20/05	**144**	**<50**	**57**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
	1/20/05	**177.5**	**<50**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
MW-23	10/24/02[1]	25	—	—	—	—	—	—	---
	10/24/02	75	<50	250	310	<0.5	<0.5	<0.5	<1
	10/24/02	148.5	<50	350	490	<0.5	<0.5	<0.5	<1
	10/24/02	180	<50	130	<250	<0.5	<0.5	<0.5	<1
	1/31/03	25	<50	<50	<250	<1	<1	<1	<1
	1/31/03	75	<50	93	<250	<1	<1	<1	<1
	1/31/03	148.5	<50	540	440	<1	<1	<1	<1
	1/31/03	180	<50	200	<250	<1	<1	<1	<1
	4/23/03	25	<50	140	310	<1	<1	<1	<1
	4/23/03	75	<50	<50	<250	<1	<1	<1	<1
	4/23/03	148.5	<50	450	360	<1	<1	<1	<1
	4/23/03	180	<50	130	<250	<1	<1	<1	<1
	7/24/03	25	<50	54	<250	<1	<1	<1	<1
	7/24/03	75	<50	<50	<250	<1	<1	<1	<1

Table 6. Analytical Results for Ground Water in Multi-Level Wells - Organic Compounds - Redwood Oil Bulk Plant - 455 Yolanda Ave, Santa Rosa, California

Sample ID	Sample Date	Sample Depth (in feet)	TPPH(G)	TPH(D)	Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes
			< ---------- ppb ---------- >						
MW-23 cont	7/24/03	148.5	<50	270	<250	<1	<1	<1	<1
	7/24/03	180	<50	57	<250	<1	<1	<1	<1
	1/22/04	25	<50	110	<250	<1	<1	<1	<1
	1/22/04	75	<50	<50	<250	<1	<1	<1	<1
	1/22/04	148.5	<50	450	370	<1	<1	<1	<1
	1/22/04	180	<50	58	<250	<1	<1	<1	<1
	7/19/04	25	<50	70	<250	<0.5	<0.5	<0.5	<1.5
	7/19/04	75	<50	57	<250	<0.5	<0.5	<0.5	<1.5
	7/19/04	148.5	<50	190	<250	<0.5	<0.5	<0.5	<1.5
	7/19/04	180	<50	<50	<250	<0.5	<0.5	<0.5	<1.5
	1/20/05	**25**	**<50**	**70**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
	1/20/05	**75**	**<50**	**240**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
	1/20/05	**148.5**	**<50**	**410**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
	1/20/05	**180**	**<50**	**250**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<1.5**

Explanation:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
ppb = parts per billion

Notes:

[1] Port was dry.

C1:\507-14GWT6mlw

APPENDIX C
LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY RECORD

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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February 9, 2005

Jim Green, Project Manager
ECM Group
P.O. Box 802
Benicia, CA 94510

Dear Mr. Green:

Included are the results from the testing of material submitted on January 21, 2005 from the Yolanda, 98-507-14, F&BI 501141 project. There are 32 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Charlene Morrow

Charlene Morrow
Chemist

Enclosures
ECM0209R.DOC

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141
Date Extracted: 01/21/05
Date Analyzed: 01/21/05, 01/22/05, and 01/24/05

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPA METHOD 8015M

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Gasoline Range (C_6-C_{10})	Surrogate (% Recovery) (Limit 61-136)
MW-1 501141-01	150	108
MW-2 501141-02	470	112
MW-3 d 501141-03	24,000	113
MW-4 501141-04	190	105
MW-7 501141-05	140	108
MW-9 501141-06	140	109
MW-10 d 501141-07	20,000	109
Method Blank	<50	108

d - The sample was diluted.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141
Date Extracted: 01/24/05
Date Analyzed: 01/26/05 and 01/27/05

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Surrogate (% Recovery) (Limit 55-131)
MW-1 501141-01	<50	97
MW-2 501141-02	500	93
MW-3 501141-03	11,000	121
MW-4 501141-04	<50	96
MW-7 501141-05	<50	103
MW-9 501141-06	100	129
MW-10 501141-07	15,000	116
Method Blank	<50	96

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141
Date Extracted: 01/24/05
Date Analyzed: 01/26/05 and 01/27/05

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 55-131)
MW-1 501141-01	<250	97
MW-2 501141-02	290	93
MW-3 501141-03	760	121
MW-4 501141-04	<250	96
MW-7 501141-05	<250	103
MW-9 501141-06	<250	129
MW-10 501141-07	820	116
Method Blank	<250	96

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-1	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-01
Date Analyzed:	01/24/05	Data File:	012413.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	118	50	150
1,2-Dichloroethane-d4	123	50	150
Toluene-d8	89	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	2.9
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	1.0
Benzene	26
Toluene	11
Ethylbenzene	5.6
m,p-Xylene	15
o-Xylene	6.8
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-2	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-02
Date Analyzed:	01/24/05	Data File:	012414.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	113	50	150
1,2-Dichloroethane-d4	129	50	150
Toluene-d8	100	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	13
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	2.5
Benzene	68
Toluene	15
Ethylbenzene	22
m,p-Xylene	35
o-Xylene	9.4
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-3	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/27/05	Lab ID:	501141-03 1/50
Date Analyzed:	01/28/05	Data File:	012722.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	103	53	144
1,2-Dichloroethane-d4	119	51	144
Toluene-d8	107	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<50,000
t-Butyl alcohol (TBA)	4,100
Methyl t-butyl ether (MTBE)	17,000 ve
Ethyl t-butyl ether (ETBE)	<25
Diisopropyl ether (DIPE)	<25
t-Amyl methyl ether (TAME)	850
Benzene	3,800
Toluene	85
Ethylbenzene	1,500
m,p-Xylene	750
o-Xylene	<25
1,2- Dichloroethane (EDC)	<25
1,2- Dibromomethane (EDB)	<25

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-3	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-03 1/500
Date Analyzed:	01/25/05	Data File:	012435.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	141	50	150
1,2-Dichloroethane-d4	157 vo	50	150
Toluene-d8	85	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	25,000

vo - The value reported fell outside the control limits established for this analyte.

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-4	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/27/05	Lab ID:	501141-04
Date Analyzed:	01/28/05	Data File:	012720.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	104	53	144
1,2-Dichloroethane-d4	127	51	144
Toluene-d8	110	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	3.8
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	1.8
Benzene	30
Toluene	14
Ethylbenzene	4.7
m,p-Xylene	20
o-Xylene	8.6
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-7	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	02/01/05	Lab ID:	501141-05
Date Analyzed:	02/02/05	Data File:	020124.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	105	53	144
1,2-Dichloroethane-d4	126	51	144
Toluene-d8	99	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	93
Methyl t-butyl ether (MTBE)	960 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	22
Benzene	12
Toluene	11
Ethylbenzene	2.3
m,p-Xylene	13
o-Xylene	6.9
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-7	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-05 1/20
Date Analyzed:	01/25/05	Data File:	012431.D
Matrix:	water	Instrument:	GCMS-5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	155 vo	50	150
1,2-Dichloroethane-d4	167 vo	50	150
Toluene-d8	93	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	1,300

vo - The value reported fell outside the control limits established for this analyte.

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-9	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	02/01/05	Lab ID:	501141-06
Date Analyzed:	02/02/05	Data File:	020123.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	108	53	144
1,2-Dichloroethane-d4	125	51	144
Toluene-d8	102	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	54
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	1.7
Benzene	18
Toluene	10
Ethylbenzene	4.7
m,p-Xylene	11
o-Xylene	6.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-10	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	02/01/05	Lab ID:	501141-07
Date Analyzed:	02/02/05	Data File:	020125.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	70	53	144
1,2-Dichloroethane-d4	87	51	144
Toluene-d8	87	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	900
Methyl t-butyl ether (MTBE)	1,600 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	4.0
t-Amyl methyl ether (TAME)	100
Benzene	1,300 ve
Toluene	170
Ethylbenzene	580 ve
m,p-Xylene	1,800 ve
o-Xylene	260 ve
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-10	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/27/05	Lab ID:	501141-07 1/50
Date Analyzed:	01/28/05	Data File:	012723.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	104	53	144
1,2-Dichloroethane-d4	124	51	144
Toluene-d8	111	62	131

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	2,200
Benzene	3,200
Ethylbenzene	800
m,p-Xylene	2,200
o-Xylene	210

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-26d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-08
Date Analyzed:	01/24/05	Data File:	012415.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	126	50	150
1,2-Dichloroethane-d4	137	50	150
Toluene-d8	96	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-26d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-09
Date Analyzed:	01/24/05	Data File:	012416.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	134	50	150
1,2-Dichloroethane-d4	145	50	150
Toluene-d8	99	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	8
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-28d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-10
Date Analyzed:	01/24/05	Data File:	012419.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	138	50	150
1,2-Dichloroethane-d4	147	50	150
Toluene-d8	98	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-28d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-11
Date Analyzed:	01/24/05	Data File:	012420.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	142	50	150
1,2-Dichloroethane-d4	150	50	150
Toluene-d8	96	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	6
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-29d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	02/01/05	Lab ID:	501141-12
Date Analyzed:	02/01/05	Data File:	020121.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	109	53	144
1,2-Dichloroethane-d4	127	51	144
Toluene-d8	102	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	6
Methyl t-butyl ether (MTBE)	0.6
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-29d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	501141-13
Date Analyzed:	01/25/05	Data File:	012427.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	143	50	150
1,2-Dichloroethane-d4	154 vo	50	150
Toluene-d8	94	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	12
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

vo - The value reported fell outside the control limits established for this analyte.

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-30d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	02/01/05	Lab ID:	501141-14
Date Analyzed:	02/02/05	Data File:	020122.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	108	53	144
1,2-Dichloroethane-d4	125	51	144
Toluene-d8	100	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	170
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	1.1
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-30d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/27/05	Lab ID:	501141-15
Date Analyzed:	01/27/05	Data File:	012721.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	103	53	144
1,2-Dichloroethane-d4	125	51	144
Toluene-d8	110	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	6.0
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	2.2
t-Amyl methyl ether (TAME)	<0.5
1,2- Dichloroethane (EDC)	0.7
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/24/05	Lab ID:	05-81 mb
Date Analyzed:	01/24/05	Data File:	012405.D
Matrix:	water	Instrument:	GC/MS #5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	115	50	150
1,2-Dichloroethane-d4	120	50	150
Toluene-d8	98	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	01/27/05	Lab ID:	05-85 mb
Date Analyzed:	01/27/05	Data File:	012717.D
Matrix:	water	Instrument:	GC/MS #4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	102	53	144
1,2-Dichloroethane-d4	125	51	144
Toluene-d8	111	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	Yolanda, 98-507-14, F&BI 501141
Date Extracted:	02/01/05	Lab ID:	05-125 mb
Date Analyzed:	02/01/05	Data File:	020118.D
Matrix:	water	Instrument:	GC/MS #4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	103	53	144
1,2-Dichloroethane-d4	124	51	144
Toluene-d8	101	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING EPA METHOD 8015M

Laboratory Code: 501156-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	µg/L (ppb)	<50	<50	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	µg/L (ppb)	1,000	91	65-120

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel	µg/L (ppb)	2,500	115	114	79-121	1

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Motor Oil	µg/L (ppb)	2,500	78	91	70-130	15

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: 401141-09 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Ethanol	µg/L (ppb)	<1,000	<1,000	nm
t-Butyl alcohol (TBA)	µg/L (ppb)	8	8	0
Methyl t-butyl ether (MTBE)	µg/L (ppb)	<0.5	<0.5	nm
Diisopropyl ether (DIPE)	µg/L (ppb)	<0.5	<0.5	nm
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	<0.5	<0.5	nm
t-Amyl methyl ether (TAME)	µg/L (ppb)	<0.5	<0.5	nm
Benzene	µg/L (ppb)	<0.5	<0.5	nm
Toluene	µg/L (ppb)	3.9	3.9	0
Ethylbenzene	µg/L (ppb)	<0.5	<0.5	nm
m,p-Xylene	µg/L (ppb)	<1	<1	nm
1,2- Dichloroethane (EDC)	µg/L (ppb)	<0.5	<0.5	nm
1,2- Dibromomethane (EDB)	µg/L (ppb)	<0.5	<0.5	nm

Laboratory Code: 501141-09 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Ethanol	µg/L (ppb)	5,000	<1,000	220 vo	50-150
t-Butyl alcohol (TBA)	µg/L (ppb)	50	8.4	156 vo	50-150
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	<0.5	118	50-150
Diisopropyl ether (DIPE)	µg/L (ppb)	10	<0.5	140	50-150
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	<0.5	138	50-150
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	<0.5	121	50-150
Benzene	µg/L (ppb)	20	<0.5	122	50-150
Toluene	µg/L (ppb)	20	3.9	152 vo	50-150
Ethylbenzene	µg/L (ppb)	10	<0.5	146	50-150
m,p-Xylene	µg/L (ppb)	10	<1	164 vo	50-150
1,2- Dichloroethane (EDC)	µg/L (ppb)	10	<1	128	50-150
1,2- Dibromomethane (EDB)	µg/L (ppb)	10	<1	170 vo	50-150

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

vo - The value reported fell outside the control limits established for this analyte.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Ethanol	µg/L (ppb)	5,000	148 vo	70-130
t-Butyl alcohol (TBA)	µg/L (ppb)	50	115	70-130
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	103	70-130
Diisopropyl ether (DIPE)	µg/L (ppb)	10	120	70-130
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	117	70-130
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	95	70-130
Benzene	µg/L (ppb)	20	94	70-130
Toluene	µg/L (ppb)	20	109	70-130
Ethylbenzene	µg/L (ppb)	10	105	70-130
m,p-Xylene	µg/L (ppb)	10	118	70-130
1,2- Dichloroethane (EDC)	µg/L (ppb)	10	85	70-130
1,2- Dibromomethane (EDB)	µg/L (ppb)	10	121	70-130

vo - The value reported fell outside the control limits established for this analyte.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	µg/L (ppb)	5,000	120	103	70-130	17
t-Butyl alcohol (TBA)	µg/L (ppb)	50	120	105	70-130	15
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	117	104	70-130	103
Diisopropyl ether (DIPE)	µg/L (ppb)	10	115	104	70-130	11
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	116	104	70-130	12
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	116	103	70-130	13
Benzene	µg/L (ppb)	10	105	96	70-130	9
Toluene	µg/L (ppb)	10	112	103	70-130	9
1,2- Dichloroethane (EDC)	µg/L (ppb)	10	112	103	70-130	9
1,2- Dibromomethane (EDB)	µg/L (ppb)	10	115	104	70-130	11

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501141

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	µg/L (ppb)	5,000	95	102	60-131	7
t-Butyl alcohol (TBA)	µg/L (ppb)	50	79	84	65-122	5
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	82	88	72-135	6
Diisopropyl ether (DIPE)	µg/L (ppb)	10	84	87	72-120	3
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	82	87	72-125	5
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	78	82	72-127	4
Benzene	µg/L (ppb)	20	78	83	68-135	5
Toluene	µg/L (ppb)	20	86	90	76-121	4
Ethylbenzene	µg/L (ppb)	10	84	88	87-112	4
m,p-Xylene	µg/L (ppb)	10	83	87	75-131	4
1,2- Dichloroethane (EDC)	µg/L (ppb)	10	83	88	75-131	5
1,2- Dibromomethane (EDB)	µg/L (ppb)	10	84	87	75-131	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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February 9, 2005

Jim Green, Project Manager
ECM Group
P.O. Box 802
Benicia, CA 94510

Dear Mr. Green:

Included are the results from the testing of material submitted on January 21, 2005 from the Yolanda, 98-507-14, F&BI 501140 project. There are 31 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Charlene Morrow

Charlene Morrow
Chemist

Enclosures
ECM0209R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 21, 2005 by Friedman & Bruya, Inc. from the ECM Group Yolanda, 98-507-14, F&BI 501140 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	ECM Group
501140-01	MW-21d25
501140-02	MW-21d75
501140-03	MW-21d145
501140-04	MW-21d180
501140-05	MW-22d25
501140-06	MW-22d75
501140-07	MW-22d145
501140-08	MW-22d165
501140-09	MW-23d25
501140-10	MW-23d75
501140-11	MW-23d145
501140-12	MW-23d180

The instrument calibration verification results for analysis of EDC were above established acceptance criteria. EDC was detected in sample MW-22d25, and the reported result may be biased high. The sample was not re-analyzed due to holding time. All other quality control requirements were acceptable.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140
Date Extracted: 01/26/05
Date Analyzed: 01/26/05 and 01/27/05

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPA METHOD 8015M

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Gasoline Range (C_6-C_{10})	Surrogate (% Recovery) (Limit 61-136)
MW-21d25 501140-01	250	122
MW-21d75 d 501140-02	1,200	109
MW-21d145 501140-03	660	112
MW-21d180 501140-04	190	107
MW-22d25 501140-05	760	112
MW-22d75 501140-06	<50	105
MW-22d145 501140-07	<50	108
MW-22d165 501140-08	<50	107
MW-23d25 501140-09	<50	106
MW-23d75 501140-10	<50	106
MW-23d145 501140-11	<50	106
MW-23d180 501140-12	<50	104
Method Blank	<50	103

d - The sample was diluted.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140
Date Extracted: 01/24/05
Date Analyzed: 01/26/05 and 01/27/05

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Surrogate (% Recovery) (Limit 55-131)
MW-21d25 501140-01	470	94
MW-21d75 501140-02	950	105
MW-21d145 501140-03	260	105
MW-21d180 501140-04	160	105
MW-22d25 501140-05	1,100	108
MW-22d75 501140-06	<50	100
MW-22d145 501140-07	57	115
MW-22d165 501140-08	<50	87
MW-23d25 501140-09	70	100
MW-23d75 501140-10	240	93
MW-23d145 501140-11	410	96
MW-23d180 501140-12	250	100
Method Blank	<50	96

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140
Date Extracted: 01/24/05
Date Analyzed: 01/26/05 and 01/27/05

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 55-131)
MW-21d25 d 501140-01	<1,250	94
MW-21d75 501140-02	<250	105
MW-21d145 501140-03	<250	105
MW-21d180 501140-04	<250	105
MW-22d25 501140-05	<250	108
MW-22d75 501140-06	<250	100
MW-22d145 501140-07	<250	115
MW-22d165 501140-08	<250	87
MW-23d25 501140-09	<250	100
MW-23d75 501140-10	<250	93
MW-23d145 501140-11	<250	96
MW-23d180 501140-12	<250	100
Method Blank	<250	96

d - The sample was diluted due to insufficient volume. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-01
Date Analyzed:	01/31/05	Data File:	013106.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	116	53	144
1,2-Dichloroethane-d4	134	51	144
Toluene-d8	111	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	94
Methyl t-butyl ether (MTBE)	770 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	20
Benzene	30
Toluene	2.6
Ethylbenzene	3.5
m,p-Xylene	3.7
o-Xylene	4.9
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-01 1/10
Date Analyzed:	02/02/05	Data File:	020206.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	107	53	144
1,2-Dichloroethane-d4	125	51	144
Toluene-d8	95	62	131

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	920

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-02
Date Analyzed:	01/31/05	Data File:	013119.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	110	53	144
1,2-Dichloroethane-d4	126	51	144
Toluene-d8	105	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	2,900 ve
Methyl t-butyl ether (MTBE)	3,700 ve
Ethyl t-butyl ether (ETBE)	1.2
Diisopropyl ether (DIPE)	0.6
t-Amyl methyl ether (TAME)	320 ve
Benzene	150
Toluene	42
Ethylbenzene	51
m,p-Xylene	100
o-Xylene	47
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-02 1/100
Date Analyzed:	01/31/05	Data File:	013113.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	120	53	144
1,2-Dichloroethane-d4	137	51	144
Toluene-d8	111	62	131

Compounds:	Concentration ug/L (ppb)
t-Butyl alcohol (TBA)	3,300
Methyl t-butyl ether (MTBE)	23,000
t-Amyl methyl ether (TAME)	300

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d145	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-03
Date Analyzed:	02/02/05	Data File:	020128.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	94	53	144
1,2-Dichloroethane-d4	108	51	144
Toluene-d8	97	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	66
Methyl t-butyl ether (MTBE)	560 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	15
Benzene	69
Toluene	27
Ethylbenzene	25
m,p-Xylene	54
o-Xylene	41
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d145	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-03 1/10
Date Analyzed:	02/02/05	Data File:	020207.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	100	53	144
1,2-Dichloroethane-d4	108	51	144
Toluene-d8	104	62	131

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	970

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d180	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-04
Date Analyzed:	02/01/05	Data File:	013121.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	115	53	144
1,2-Dichloroethane-d4	136	51	144
Toluene-d8	107	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	130
Methyl t-butyl ether (MTBE)	930 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	16
Benzene	25
Toluene	10
Ethylbenzene	10
m,p-Xylene	19
o-Xylene	14
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-21d180	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-04 1/50
Date Analyzed:	01/31/05	Data File:	013115.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	122	53	144
1,2-Dichloroethane-d4	135	51	144
Toluene-d8	113	62	131

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	920

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-22d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-05
Date Analyzed:	02/01/05	Data File:	013122.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	108	53	144
1,2-Dichloroethane-d4	131	51	144
Toluene-d8	104	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	5,000 ve
Methyl t-butyl ether (MTBE)	5,000 ve
Ethyl t-butyl ether (ETBE)	1.6
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	1,200 ve
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	2.1 ca
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-22d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-05 1/1000
Date Analyzed:	01/31/05	Data File:	013116.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	122	53	144
1,2-Dichloroethane-d4	135	51	144
Toluene-d8	113	62	131

Compounds:	Concentration ug/L (ppb)
t-Butyl alcohol (TBA)	6,600
Methyl t-butyl ether (MTBE)	51,000
t-Amyl methyl ether (TAME)	1,200

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-22d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-06
Date Analyzed:	01/31/05	Data File:	013107.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	116	53	144
1,2-Dichloroethane-d4	134	51	144
Toluene-d8	110	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	26
Methyl t-butyl ether (MTBE)	320 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	16
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-22d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-06 1/10
Date Analyzed:	02/02/05	Data File:	020208.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	114	53	144
1,2-Dichloroethane-d4	119	51	144
Toluene-d8	104	62	131

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	480

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-22d145	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-07
Date Analyzed:	02/02/05	Data File:	020209.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	110	53	144
1,2-Dichloroethane-d4	116	51	144
Toluene-d8	102	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	140
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	5.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-22d165	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-08
Date Analyzed:	01/31/05	Data File:	013109.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	117	53	144
1,2-Dichloroethane-d4	136	51	144
Toluene-d8	111	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	59
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	2.9
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-23d25	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-09
Date Analyzed:	01/31/05	Data File:	013118.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	123	53	144
1,2-Dichloroethane-d4	137	51	144
Toluene-d8	112	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	7
Methyl t-butyl ether (MTBE)	53
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	1.4
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-23d75	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-10
Date Analyzed:	01/31/05	Data File:	013110.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	120	53	144
1,2-Dichloroethane-d4	136	51	144
Toluene-d8	112	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	7
Methyl t-butyl ether (MTBE)	53
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	0.7
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-23d145	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-11
Date Analyzed:	01/31/05	Data File:	013111.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	119	53	144
1,2-Dichloroethane-d4	132	51	144
Toluene-d8	111	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	7
Methyl t-butyl ether (MTBE)	3.2
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-23d180	Client:	ECM Group
Date Received:	01/21/05	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/31/05	Lab ID:	501140-12
Date Analyzed:	01/31/05	Data File:	013112.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	120	53	144
1,2-Dichloroethane-d4	136	51	144
Toluene-d8	112	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	5
Methyl t-butyl ether (MTBE)	1.2
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	01/3105	Lab ID:	05-132 mb
Date Analyzed:	01/31/05	Data File:	013105.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	117	53	144
1,2-Dichloroethane-d4	132	51	144
Toluene-d8	114	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	02/01/05	Lab ID:	05-125 mb
Date Analyzed:	02/01/05	Data File:	020118.D
Matrix:	water	Instrument:	GC/MS #4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	103	53	144
1,2-Dichloroethane-d4	124	51	144
Toluene-d8	101	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	Yolanda, 98-507-14, F&BI 501140
Date Extracted:	02/02/05	Lab ID:	05-126 mb
Date Analyzed:	02/02/05	Data File:	020205.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	102	53	144
1,2-Dichloroethane-d4	114	51	144
Toluene-d8	103	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
1,2- Dichloroethane (EDC)	<0.5
1,2- Dibromomethane (EDB)	<0.5

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING EPA METHOD 8015M

Laboratory Code: 501156-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	µg/L (ppb)	<50	<50	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	µg/L (ppb)	1,000	91	65-120

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel	µg/L (ppb)	2,500	115	114	79-121	1

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Motor Oil	µg/L (ppb)	2,500	78	91	70-130	15

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	µg/L (ppb)	5,000	95	102	60-131	7
t-Butyl alcohol (TBA)	µg/L (ppb)	50	79	84	65-122	5
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	82	88	72-135	6
Diisopropyl ether (DIPE)	µg/L (ppb)	10	84	87	72-120	3
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	82	87	72-125	5
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	78	82	72-127	4
Benzene	µg/L (ppb)	20	78	83	68-135	5
Toluene	µg/L (ppb)	20	86	90	76-121	4
Ethylbenzene	µg/L (ppb)	10	84	88	87-112	4
m,p-Xylene	µg/L (ppb)	10	83	87	75-131	4
1,2- Dichloroethane (EDC)	µg/L (ppb)	10	83	88	75-131	5
1,2- Dibromomethane (EDB)	µg/L (ppb)	10	84	87	75-131	3

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Ethanol	µg/L (ppb)	500	97	60-131
t-Butyl alcohol (TBA)	µg/L (ppb)	50	100	65-122
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	85	72-135
Diisopropyl ether (DIPE)	µg/L (ppb)	10	86	72-120
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	79	72-125
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	79	72-127
Benzene	µg/L (ppb)	20	72	68-135
Toluene	µg/L (ppb)	20	78	76-121

Note: The calibration verification result for t-Butyl alcohol (TBA) exceeded 15% deviation. The average deviation for all compounds was less than 15%, therefore the initial calibration is considered valid.

Date of Report: 02/09/05
Date Received: 01/21/05
Project: Yolanda, 98-507-14, F&BI 501140

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM

Laboratory Code: 501216-07 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Ethanol	µg/L (ppb)	<1,000	<1,000	nm
t-Butyl alcohol (TBA)	µg/L (ppb)	<5	<5	nm
Methyl t-butyl ether (MTBE)	µg/L (ppb)	<0.5	<0.5	nm
Diisopropyl ether (DIPE)	µg/L (ppb)	<0.5	<0.5	nm
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	<0.5	<0.5	nm
t-Amyl methyl ether (TAME)	µg/L (ppb)	<0.5	<0.5	nm
Benzene	µg/L (ppb)	<0.5	<0.5	nm
Toluene	µg/L (ppb)	<0.5	<0.5	nm
1,2- Dichloroethane (EDC)	µg/L (ppb)	<0.5	<0.5	nm
1,2- Dibromomethane (EDB)	µg/L (ppb)	<0.5	<0.5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	µg/L (ppb)	500	117	120	60-131	3
t-Butyl alcohol (TBA)	µg/L (ppb)	50	103	113	65-122	10
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	102	103	72-135	1
Diisopropyl ether (DIPE)	µg/L (ppb)	10	99	97	72-120	2
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	101	100	72-125	1
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	93	92	72-127	1
Benzene	µg/L (ppb)	20	91	90	68-135	1
Toluene	µg/L (ppb)	20	99	99	76-121	0
1,2- Dichloroethane (EDC)	µg/L (ppb)	10	89	92	87-112	3
1,2- Dibromomethane (EDB)	µg/L (ppb)	10	97	98	75-131	1

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

Note: The calibration verification result for t-Butyl alcohol (TBA) exceeded 15% deviation. The average deviation for all compounds was less than 15%, therefore the initial calibration is considered valid.