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Fax: (925) 944-2895

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By lopprojectop at 8:45 am, Mar 29, 2006

March 29, 2006

Mr. Barney Chan Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Subject: Quarterly Groundwater Monitoring Report

1st Quarter, 2006 1075 40th Street Oakland, California AEI Project No. 110630

ACHCSA Fuel Leak Case No. RO0000186

Dear Mr. Chan:

Enclosed is one electronic copy of the recently completed groundwater monitoring report for the 1st Quarter, 2006 groundwater monitoring event.

If you have any questions or comments, please don't hesitate to contact me or Robert Flory at (925) 283-6000.

Sincerely,

AEI Consultants

Richard J. Bradford Senior Staff Engineer

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March 29, 2006

GROUNDWATER MONITORING REPORT 1st Quarter, 2006

1075 40th Street Oakland, California 94608

AEI Project No. 110630 ACHCSA Fuel Leak Case No. RO0000186

Prepared For

Mr. Monte Upshaw Fidelity Roof Company 1075 40th Street Oakland, CA 94608

Prepared By

AEI Consultants 2500 Camino Diablo Blvd., Suite 200 Walnut Creek, CA 94597 (925) 944-2899



March 29, 2006

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By lopprojectop at 8:44 am, Mar 29, 2006

Mr. Monte Upshaw Fidelity Roof Company 1075 40th Street Oakland, CA 94608

Quarterly Groundwater Monitoring Report Subject:

1st Ouarter, 2006 1075 40th Street Oakland, California 94608

AEI Project No. 110630

ACHCSA Fuel Leak Case No. RO0000186

Dear Mr. Upshaw:

AEI Consultants (AEI) has prepared this report on behalf of Mr. Monte Upshaw of Fidelity Roof Company to document the ongoing groundwater investigation at the above referenced site (Figure 1: Site Location Map). The purpose of this activity is to monitor groundwater quality in the vicinity of previous underground storage tanks (USTs). The work was performed in accordance with the requirements of the Alameda County Health Care Services Agency (ACHCSA). This report presents the findings of the 1st Quarter, 2006 groundwater monitoring and sampling event conducted on March 7, 2006.

Site Description and Background

The site currently supports the operation of Fidelity Roof Company and is located in a mixed residential and commercial area of Oakland at 1075 40th Street.

On December 19, 1995, Tank Protect Engineering, Inc. removed one (1) 1,000-gallon diesel underground storage tank (UST) and one (1) 500-gallon gasoline UST from the southeast corner of the property. The removal of the tanks produced a single excavation. Analysis of the soil samples indicated that soil beneath the 1,000-gallon UST had been impacted by minor concentrations of total petroleum hydrocarbons as gasoline (TPH-g), TPH as diesel (TPH-d), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary-butyl ether (MTBE).

On September 12, 1996, AEI advanced four (4) soil borings near the former UST excavation. Analytical results from the subsurface investigation revealed significant levels of gasoline and diesel petroleum hydrocarbons present in soil and groundwater to the south and to the west of the open excavation. Due to the high concentrations of petroleum hydrocarbons within the groundwater, the ACHCSA required further investigation of the extent and magnitude of the groundwater contaminant plume.

On October 25, 1996, AEI extended the excavation laterally 7 feet to the south and 12 feet to the west. Soil was removed to a depth of 9 feet below ground surface (bgs). The dispenser island and associated piping were also removed. Analyses of the soil samples collected from the excavation sidewalls indicated that up to 150 milligrams per kilogram (mg/kg) of TPH-g, 16 mg/kg of benzene, and 300 mg/kg of TPH-d remained within the western sidewall of the excavation.

On March 6, 1997, AEI installed three (3) groundwater monitoring wells, MW-1 through MW-3. TPH-g and TPH-d were detected in well MW-3 at concentrations of 26,000 micrograms per liter (μ g/L) and 5,000 μ g/L, respectively. No TPH-g or TPH-d was detected in wells MW-1 and MW-2, at the time of the initial sampling. MTBE was detected in wells MW-1, MW-2 and MW-3 at concentrations of 23 μ g/L, 65 μ g/L and 230 μ g/L, respectively. Well construction details for the groundwater monitoring wells are summarized in Table 1.

At the request of the ACHCSA, six (6) additional soil borings were drilled south and west of the well locations on November 4, 1998. TPH-d was detected at a concentration of 2,400 μ g/L in groundwater to the south of the former excavation. No significant concentrations of petroleum hydrocarbons were detected from the other borings.

Monitoring well MW-4 was installed on July 15, 1999, located south of the former tank locations along Yerba Buena Avenue. No hydrocarbons were detected in MW-4 at the time of installation; however, MTBE was reported at a concentration of 37 μ g/L. The results of on going groundwater monitoring of these four wells is summarized on Tables 2, 2a, 3.

On May 6, 2004, AEI installed one (1) vapor extraction well (VES-1) and two (2) air sparge wells (AS-1 and AS-1). Six (6) shallow vapor monitoring mini-wells (DP-I through DP-6) were installed on May 13, 2004 using direct push technology. On May 19 through 20, 2004, AEI carried out a soil vapor extraction and air sparge pilot test. The results of this pilot test and recommendations for remediation are summarized in AEI's *Soil Vapor Extraction and Air Sparge Pilot Test Report*, dated August 6, 2004.

LNAPL Removal

Light non-aqueous phase liquid (LNAPL) was reported by the laboratory in samples from monitoring well MW-3 collected on November 18, 1999, but was not present in a measurable thickness until 2004.

On September 9, 2004, 0.66 feet of LNAPL was measured in MW-3. On September 23, 2004, 200 gallons of liquid (water and gasoline) were removed from monitoring well MW-3 by Excel Environmental Services. The liquid was removed by placing a 1-inch diameter PVC stinger into the well and dewatering the well to 17 feet bgs for approximately 90 minutes using a vacuum truck. On September 29, 2004, 0.52 feet of LNAPL was measured in MW-3.

On October 22, 2004, 30 gallons of liquids were removed from MW-3 by extending the 1-inch PVC stinger into the top of the static water table about 6-inches and vacuuming for approximately 1 hour. On October 27, 2004, 0.32 feet of LNAPL was measured in well MW-3.

On November 4 and 23, 2004, 15 gallons of liquid was removed on each visit by vacuuming the surface of the groundwater. LNAPL measurements on November 6 and 19, 2004 were 0.01 feet and 0.14 feet respectively. The total amount of LNAPL removed is difficult to quantify. Free product removal was discontinued when the thickness stabilized at less than 0.05 feet.

LNAPL thickness stabilized to less than 0.05 feet through the March 11, 2005 sampling event. Free product thickness increased to 0.12 feet by June 2005 and to 0.64 feet by September 2005.

In a letter dated October 24, 2005, AEI proposed a 3 to 5 day high vacuum dual phase extraction (HVDPE) event as interim corrective action to remove free product. The ACHCSA concurred with this recommendation in a letter dated January 5, 2006.

By March 2006 the thickness of LNAPL in MW-3 increased to 0.95 feet.

An interim corrective action free product recovery event using HVDPE was conducted from March 9 to 13, 2006. This extraction event was successful in reducing LNAPL thickness to less than a sheen. A report on the results of this event is currently in progress.

Summary of Monitoring Activities

AEI measured the depth to groundwater in three monitoring wells (MW-1, MW-2, and MW-4), one vapor extraction well (VE-1), and six shallow vadose monitoring points (DP-1 through DP-6) on March 7, 2006. Depth to water from the top of the casing was measured with an electric water level indicator prior to sampling. Depth to water and depth to free product were measured in MW-3 using an electric oil/water interface meter. MW-3 was not sampled due to the presence of a LNAPL. The wells were purged and sampled using disposable Teflon bailers. Temperature, pH, specific conductivity, and oxidation-reduction potential (ORP) were measured during the purging of the wells. Turbidity was visually noted. AEI removed at least 3 well volumes with a battery-powered submersible pump. Once temperature, pH, specific conductivity stabilized after three consecutive readings and following the recovery of water levels to at least 90%, a water sample was collected. The locations of groundwater monitoring, air sparging, vapor extraction, and vadose monitoring points are shown in Figure 2: Site Plan.

Water was poured from the bailers into 40 ml VOA vials and 1-liter amber bottles. The VOAs were capped so that neither headspace nor air bubbles were present within the sample containers. Samples were delivered on ice under proper chain of custody protocol to McCampell Analytical, Inc. of Pacheco, California (Department of Health Services Certification #1644).

Ten (10) groundwater samples were submitted for chemical analysis for TPH-g, MTBE, and BTEX by method SW 8021B / 8015Cm, and TPH-d by method SW 8015C.

Field Results

Free product was encountered in well MW-3 at a thickness of 0.95 feet. Groundwater elevations in the monitoring wells (excluding MW-3) for this event ranged from 37.20 to 39.31 feet above mean sea level (amsl). The groundwater elevations were an average of 1.45 feet higher than the average level observed during the previous monitoring episode. The direction of the groundwater flow at the time of measurement was towards the north-north east with a calculated hydraulic gradient of approximately 0.030 ft/ft. The magnitude of the hydraulic gradient is consistent with previous episodes, but the flow direction is not.

Groundwater elevation data and groundwater sample analytical data are summarized in Tables 2, 2a, and 3. The groundwater elevation contours and the groundwater flow direction are shown in Figure 4. Refer to Appendix A for Groundwater Monitoring Well Field Sampling Forms, which include field measurements and observations made during the monitoring activities.

Groundwater Quality

TPH-g and TPH-g were detected in MW-1 at concentrations of 590 μ g/L and 150 μ g/L, respectively. Benzene, toluene, ethylbenzene, and total xylenes were detected in MW-1 at 29 μ g/L, 0.89 μ g/L, 4.4 μ g/L, and 1.1 μ g/L, respectively. MTBE was not detected at a concentration greater than the laboratory method detection limit of 5 μ g/L.

The highest concentration of MTBE was detected in MW-2 (10,000 μ g/L). Benzene was detected in MW-2 at a concentration of 44 μ g/L. TPH-g, TPH-d, toluene, ethylbenzene, and total xylenes were not detected in MW-2 greater than the laboratory method detection limits.

Almost 1 foot of LNAPL was present in monitoring well MW-3. Due to this MW-3 was neither purged nor sampled.

TPH-g, TPH-d, and BTEX were not detected greater than the laboratory method detection limits in MW-4. MTBE was detected at a concentration of $11 \mu g/L$.

TPH-g, BTEX, and MTBE were detected in VE-1 (located in the backfill of the former tank pit) at concentration of 55 μ g/L, 230 μ g/L, 5.2 μ g/L, 1.4 μ g/L, 2.3 μ g/L, and 4.5 μ g/L, respectively. TPH-d was not analyzed in VE-1 for this quarter.

Groundwater samples were not collected from AS-1 and AS-2 during this monitoring episode.

DP-1 through DP-6 were not analyzed for TPH-d. The groundwater sample collected from DP-6, which is located near the western boundary of the October 25, 1996 excavation, contained the highest concentrations of TPH-g and BTEX. TPH-g and BTEX were detected in DP-6 at 6,500 μ g/L, 850 μ g/L, 5.9 μ g/L, 650 μ g/L, and 350 μ g/L, respectively.

Groundwater sample analytical data is presented in Table 3. Laboratory analytical results and chain of custody documentation are included in Appendix B.

Summary

LNAPL continues to be present at a thickness of 0.95-feet in the immediate vicinity of MW-3. Significant concentrations of MTBE continue to be present in well MW-2. The MTBE concentration reported in MW-2 during this event represent the second greatest concentration of MTBE ever reported in MW-2.

An interim corrective action free product recovery event using HVDPE started the day following this quarterly sampling event. The interim corrective action removed a significant mass of free product in and around MW-3. Approximately 58.40 pounds of vapor phase hydrocarbons were removed. Furthermore, LNAPL thickness was reduced to less than a sheen. A report detailing the results of the interim free product removal is in progress.

Recommendations

Based on the current and historical data, AEI recommends the following:

• Continue quarterly groundwater and LNAPL thickness monitoring, with the next monitoring event tentatively scheduled for June 2006.

Report Limitations and Signatures

This report presents a summary of work completed by AEI Consultants including observations and descriptions of site conditions. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide required information, but it cannot be assumed that they are entirely representative of all areas not sampled. All conclusions and recommendations are based on these analyses, observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices in the environmental engineering and construction field that existed at the time and location of the work. Please contact the undersigned at (925) 944-2899 if you have any questions or need any additional information.

These services were performed in accordance with generally accepted practices in the environmental engineering and construction field that existed at the time and location of the work. Please contact the undersigned at (925) 944-2899 if you have any questions or need any additional information.

Sincerely,

AEI Consultants

Richard J. Bradford Senior Staff Engines

Al Alexander

Robert F. Flory RG

Senior Project Ged

Figures

Figure 1 Site Location Map

Figure 2 Site Plan

Figure 3 Sample Analytical Data Figure 4 Water Table Contours

Tables

Table 1Well Construction DetailsTable 2Groundwater Elevation DataTable 2aGroundwater Flow DataTable 3Groundwater Analytical Data

Appendices

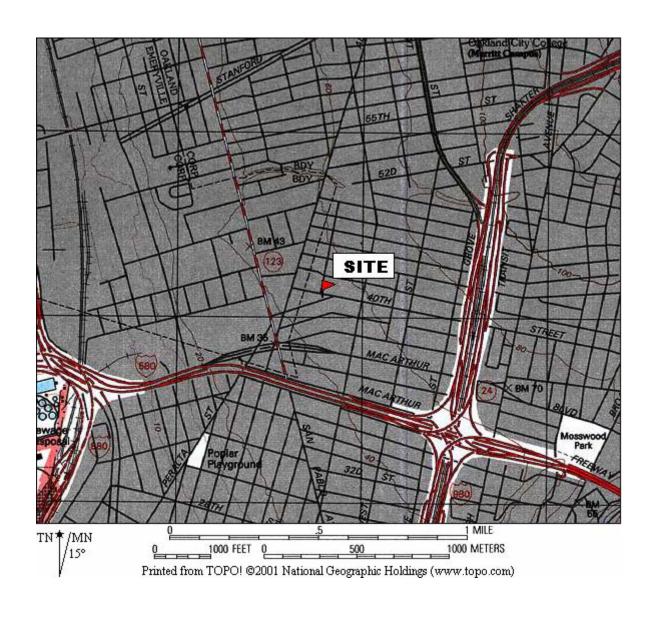
cc:

Appendix A Groundwater Monitoring Well Field Sampling Forms

Appendix B Laboratory Analyses with Chain of Custody Documentation

Barney Chan, ACHCSA, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

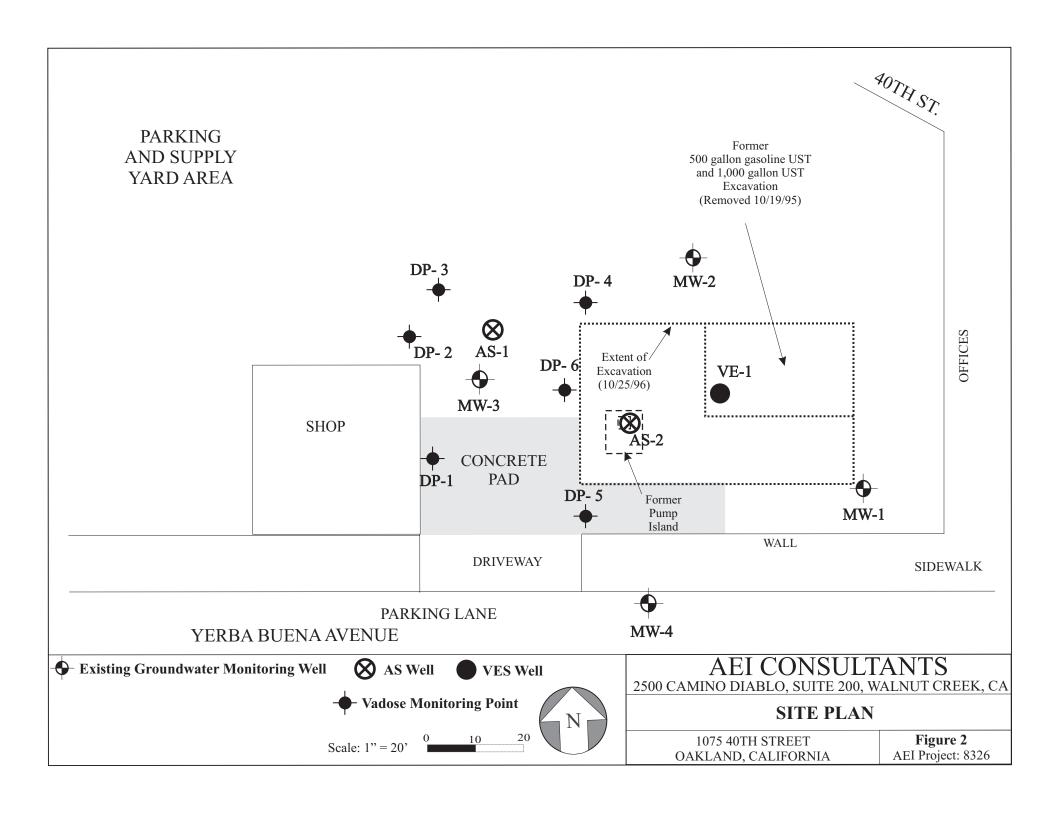
FIGURES

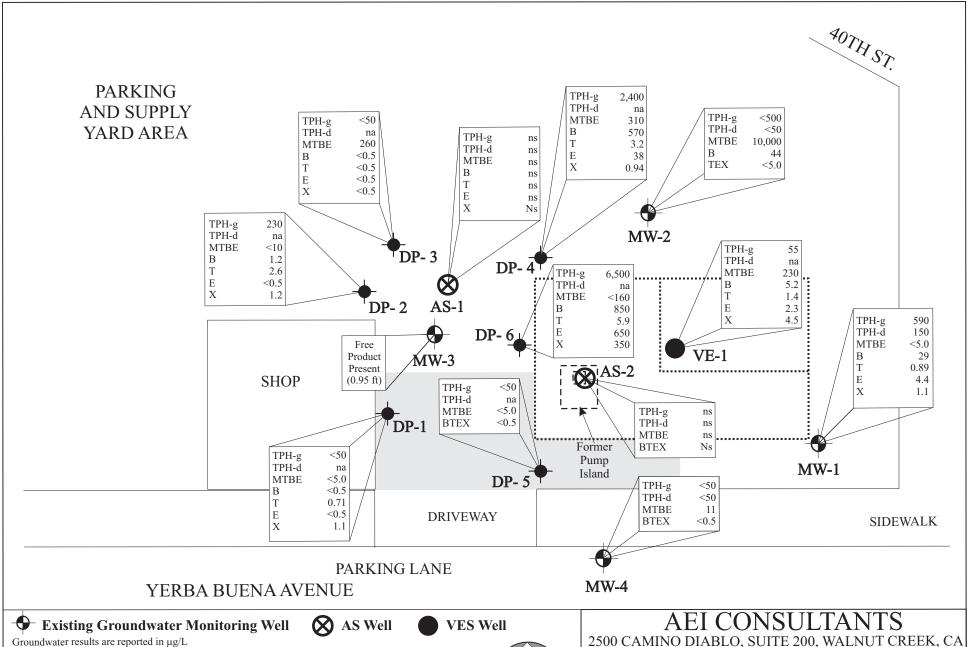


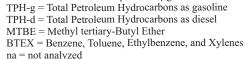
AEI CONSULTANTS SITE LOCATION MAP

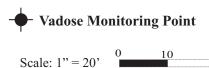
1075 40th STREET OAKLAND, CALIFORNIA

FIGURE 1 PROJECT No. 8326





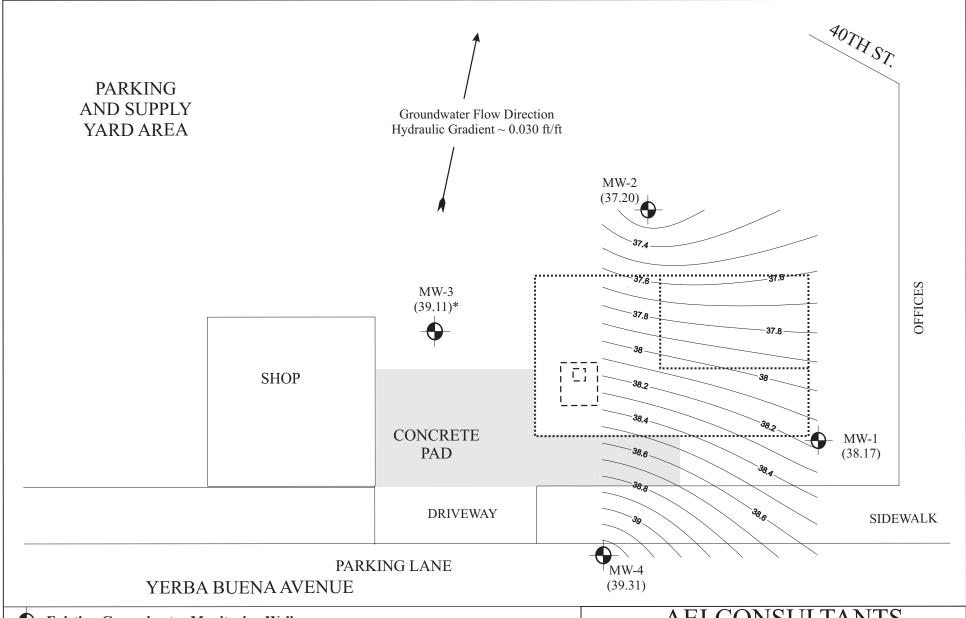






SAMPLE ANALYTICAL DATA (03/07/06)

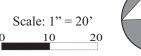
1075 40TH STREET OAKLAND, CALIFORNIA **Figure 3** AEI Project: 8326





Existing Groundwater Monitoring Well

 $\frac{MW-3}{(33.88)}$ Water table elevation in feet above mean sea level





AEI CONSULTANTS

2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK, CA

WATER TABLE CONTOURS (03/07/06)

1075 40TH STREET OAKLAND, CALIFORNIA

Figure 4 AEI Project: 8326

^{*} Free product present, elevation not used for water table contouring ng = well not gauged due to the presence of a heavy sheen of NAPL Contours plotted with Surfer(R) V. 7.0 Contour interval = 0.1 ft

TABLES

Table 1: Well Construction Details
Fidelity Roof Company, 1075 40th Street, Oakland, California

Well ID	Date Drilled	Elevation	Water Depth 12/13/04	Boring Depth	Slotted Casing	Slot Size	Blank Casing	Sand Interval	Sand Size	Bentonite Interval	Grout Interval
-		(ft amsl)	(ft)	(ft)	(ft)	(in)	(ft)	(ft)		(ft)	(ft)
MW-1	03/06/97	45.41	6.94	21.0	6-21	0.020	0.5-6	5-21	#3	4-5	0.5-4
MW-2	03/19/97	44.94	9.26	21.0	6-21	0.020	0.5-6	5-21	#3	4-5	0.5-4
MW-3	03/19/97	44.32	8.91	21.0	6-21	0.020	0.5-6	5-21	#3	4-5	0.5-4
MW-4	08/05/99	43.48	5.51	20.0	5-21	0.020	0.55	4-20	#3	3-4	0.5-3
AS-1	05/06/04	45.2 est		30.0	25-30	0.010	0.75-25	22-30	2/12	19-22	1.0-19
AS-2	05/06/04	45.2 est.		30.0	25-30	0.010	0.75-25	22-30	2/12	19-22	1.0-19
VE-1	05/06/04	45.0 est.		10.0	5-10	0.010	0.75-10	4-10	2/12	3-4	1.0-3
DP-1	05/13/04	44.0 est.		16.0	5.5-15.5	# 40 mesh	5.5-0.5	4.5-15.5	#30	3.5-4.5	0.75-3.5
DP-2	05/13/04	44.6 est.		16.0	5.5-15.5	# 40 mesh	5.5-0.5	4.5-15.5	#30	3.5-4.5	0.75-3.5
DP-3	05/13/04	44.7 est.		16.0	5.5-15.5	# 40 mesh	5.5-0.5	4.5-15.5	#30	3.5-4.5	0.75-3.5
DP-4	05/13/04	44.8 est.		16.0	5.5-15.5	# 40 mesh	5.5-0.5	4.5-15.5	#30	3.5-4.5	0.75-3.5
DP-5	05/13/04	45.0 est.		16.0	5.5-15.5	# 40 mesh	5.5-0.5	4.5-15.5	#30	3.5-4.5	0.75-3.5
DP-6	05/13/04	44.3 est.		16.0	5.5-15.5	# 40 mesh	5.5-0.5	4.5-15.5	#30	3.5-4.5	0.75-3.5

Notes:

All well elevations are measured from the top of the casing and not from the ft amsl = feet above mean sea level

Table 2: Groundwater Elevation Data Fidelity Roofing, 1075 40th Street, Oakland, California

Well ID	Date	Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevatio (ft amsl)
MW-1	03/19/97	45.41	8.25	37.16
	06/20/97	45.41	9.10	36.31
	10/08/97	45.41	9.95	35.46
	01/16/98	45.41	7.57	37.84
	08/05/99	45.49	10.16	35.33
	11/18/99	45.49	8.52	36.97
	02/24/00	45.49	7.65	37.84
	05/24/00	45.49	8.47	37.02
	08/29/00	45.49	10.28	35.21
	01/12/01	45.49	8.50	36.99
	04/18/01	45.49	8.77	36.72
	07/27/01	45.49	10.50	34.99
	11/06/01	45.49	10.28	35.21
	02/13/02	45.49	8.47	37.02
	05/14/02	45.49	9.50	35.99
	08/15/02	45.49	10.39	35.10
	11/14/02	45.49	9.08	36.41
	02/12/03	45.49	8.36	37.13
	05/16/03	45.49	8.49	37.00
	08/29/03	45.49	9.91	35.58
	12/02/03	45.49	8.88	36.61
	03/08/04	45.49	7.66	37.83
	06/08/04	45.49	9.39	36.10
	09/10/04	45.49	9.95	35.54
	12/13/04	45.49	6.94	38.55
	03/11/05	45.49	7.35	38.14
	06/15/05	45.49	8.29	37.20
	09/08/05	45.49	9.57	35.92
	12/01/05	45.49	7.66	37.83
	03/07/06	45.49	7.32	38.17
MW-2	03/19/97	44.94	8.40	36.54
	06/20/97	44.94	8.85	36.09
	10/08/97	44.94	9.80	35.14
	01/16/98	44.94	5.28	39.66
	08/05/99	44.98	9.32	35.66
	11/18/99	44.98	10.20	34.78
	02/24/00	44.98	7.03	37.95
	05/24/00	44.98	8.01	36.97
	08/29/00	44.98	11.07	33.91
	01/12/01	44.98	8.60	36.38
	04/18/01	44.98	8.80	36.18
	07/27/01	44.98	11.10	33.88
	11/06/01	44.98	12.21	32.77
	02/13/02	44.98	7.98	37.00
	05/14/02	44.98	10.48	34.50
	08/15/02	44.98	10.64	34.34
	11/14/02	44.98	11.69	33.29
	02/12/03	44.98	9.07	35.91
	05/16/03	44.98	11.25	33.73
	08/29/03	44.98	12.19	32.79
	12/02/03	44.98	10.92	34.06
	03/08/04	44.98	8.41	36.57
	06/08/04	44.98	10.19	34.79
	09/10/04	44.98	10.84	34.14
	12/13/04	44.98	9.26	35.72
	03/11/05	44.98	7.81	37.17
	00, 11,00	. 1.70		
	06/15/05	44.98	[().80	14.11
	06/15/05 09/08/05	44.98 44.98	10.80 11.58	34.18 33.40
	06/15/05 09/08/05 12/01/05	44.98 44.98 44.98	10.80 11.58 9.03	33.40 35.95

Table 2: Groundwater Elevation Data Fidelity Roofing, 1075 40th Street, Oakland, California

Well ID	Date	Elevation	Depth to Water	Groundwater Elevation
		(ft amsl)	(ft)	(ft amsl)
MW-3	03/19/97	44.32	7.59	36.73
	10/08/97	44.32	9.98	34.34
	06/20/97	44.32	8.36	35.96
	01/16/98	44.32	9.18	35.14
	08/05/99	44.37	10.56	33.81
	11/18/99	44.37	10.92	33.45
	02/24/00	44.37	8.49	35.88
	05/24/00	44.37	8.42	35.95
	08/29/00	44.37	12.00	32.37
	01/12/01	44.37	10.50	33.87
	04/18/01	44.37	9.50	35.22
	07/27/01	44.37	11.61	32.76
	11/06/01	44.37	11.73	32.64
	02/13/02	44.37	9.36	35.01
	05/14/02	44.37	9.00	35.37
	08/15/02	44.37	11.72	32.65
	11/14/02	44.37	11.28	33.09
	02/12/03	44.37	10.17	34.20
	05/16/03	44.37	11.47	32.90
	08/29/03	44.37	11.92	32.45
	12/02/04	44.37	10.96	33.41
	03/08/04	44.37	10.49	33.88
	06/08/04	44.37	9.89	34.48
	09/10/04	44.37	11.54	32.83
		44.37	8.96	35.41
	12/13/04			
	03/11/05	44.37	6.99	37.38
	06/15/05	44.37	7.72	36.65
	9/8/2005 *	44.37	10.61	33.76
	12/01/05*	44.37	ng	-
	3/7/2006*	44.37	5.26	39.11
MW-4	08/05/99	43.48	8.79	34.69
	11/18/99	43.48	8.11	35.37
	02/24/00	43.48	5.19	38.29
	05/24/00	43.48	7.23	36.25
	08/29/00	43.48	9.04	34.44
	01/12/01	43.48	6.40	37.08
	04/18/01	43.48	7.30	36.18
	07/27/01	43.48	9.16	34.32
	44/04/04	43.48		21.1-
	11/06/01 02/13/02	43.48	9.03	34.45
	05/14/02	43.48	6.60 7.19	36.88 36.29
	08/15/02	43.48	8.97	34.51 35.96
	11/14/02 02/12/03	43.48	7.52	
		43.48	6.37	37.11
	05/16/03	43.48	6.81	36.67
	08/29/03	43.48	8.56	34.92
	12/02/03	43.48	6.02	37.46
	03/08/04	43.48	5.75	37.73
	06/08/04	43.48	8.19	35.29
	09/10/04	43.48	8.84	34.64
	12/13/04	43.48	5.51	37.97
	03/11/05	43.48	5.26	38.22
	06/15/05	43.48	6.79	36.69
	09/08/05	43.48	8.20	35.28
	12/01/05	43.48	6.93	36.55

Notes:

All well elevations are measured from the top of the casing and not from the ground surface $ft \ amsl = feet \ above \ mean \ sea \ level$

ng = not gauged

^{* =} Apparent groundwater elevation, free product present

Table 2a: Groundwater Flow Data Fidelity Roofing, 1075 40th Street, Oakland, California

Episode	Date	Average Water Table Elevation (ft amsl)	Water Table Elevation Change (ft)	Hydraulic Gradient Flow Direction (ft/ft)
	00/10/05	26.01		
1	03/19/97	36.81		
2	06/20/97	35.58	-1.23	
3	10/08/97	35.52	-0.06	
4	01/16/98	37.55	2.03	
5	08/05/99	34.87	-2.67	
6	11/18/99	35.14	0.27	
7	02/24/00	37.49	2.35	
8	05/24/00	36.55	-0.94	
9	08/29/00	33.98	-2.57	NW (0.09)
10	01/12/01	36.08	2.10	W (0.06)
11	04/18/01	36.08	0.00	W (0.02)
12	07/27/01	33.99	-2.09	W (0.02)
13	11/06/01	33.77	-0.22	NW (0.05)
14	02/13/02	36.48	2.71	NW (0.05)
15	05/14/02	35.54	-0.94	N (0.04)
16	08/15/02	34.15	-1.39	W (0.05)
17	11/14/02	34.69	0.54	N (0.08)
18	02/12/03	36.09	1.40	NW (0.03)
19	05/16/03	35.08	-1.01	NW (0.06)
20	08/29/03	33.94	-1.14	NW (0.04)
21	12/02/03	35.39	1.45	NW (0.05)
22	03/08/04	36.50	1.12	NW (0.04)
23	06/08/04	35.17	-1.34	NW (0.02)
24	09/10/04	34.29	-0.88	NW (0.007)
25	12/13/04	36.91	2.63	NW (0.05)
26	03/11/05	37.73	0.81	NW (0.016)
27	06/15/05	36.18	-1.55	NW (0.015)
28	09/08/05	34.59	-1.59	NW (0.042)
29	12/01/05	36.78	2.19	NW (0.040)
30	03/07/06	38.45	1.67	NNE (0.03)

Notes:

 $\overline{\text{ft amsl}}$ = feet above mean sea level

Table 3: Groundwater Analytical Data Fidelity Roofing, 1075 40th Street, Oakland, California

Well ID	Date	Depth to Water	ТРНд	TPHd	МТВЕ	Benzene	Toluene	Ethyl- benzene	Xylenes
			EPA Method	SW8015Cm/C		EPA	Method SW8	021B	
		(ft)	(u	g/L)	<u> </u>		(ug/L)		
MW - 1	03/19/97	8.25	<50	< 50	23	< 0.5	< 0.5	< 0.5	< 0.5
141 44 - 1	06/23/97	9.10	1,300	420	14	150	2.1	12	19
	10/08/97	9.95	56	66	5.8	2.8	< 0.5	< 0.5	< 0.5
	01/16/98	7.57	1,500	910	<33	95	0.72	69	8.4
	08/05/99	10.16	160	63	<15	1.6	< 0.5	0.56	1.1
	11/18/99	8.52	79	<50	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5
	02/24/00	7.65	300	160	<5.0	14	0.82	3.5	1.6
	05/24/00	8.47	1,300	480	<10	93	< 0.5	17	1.6
	08/29/00	10.28	120	< 0.5	<5.0	0.93	< 0.5	< 0.5	< 0.5
	01/12/01	8.50	360	170	<5.0	16	< 0.5	9.3	0.69
	04/18/01	8.77	1,100	410	2,800	63	< 0.5	34	0.73
	07/27/01	10.50	130	66	<5.0	1.6	< 0.5	< 0.5	< 0.5
	11/06/01	10.28	<50	<50	<5.0	< 0.5	<0.5	<0.5	< 0.5
	02/13/02	8.47	430	270	<5.0	17	0.51	11	0.64
	05/14/02	9.50	340	170	<5.0 <5.0	21	<0.5	5.3	0.67
	08/15/02	10.39	96	53	<5.0 <5.0	0.66	<0.5	<0.5	< 0.5
	11/14/02	9.08	<50	<50	<5.0 <5.0	< 0.5	<0.5	<0.5	<0.5
	02/12/03	8.36	710	120	<5.0 <5.0	28	4.3	32	130
	05/16/03	8.49	1,100	340	<15	54	4.3	40	100
	08/29/03	9.91	1,100	280	<5.0	46	5.1	55	230
	12/02/03	9.91 8.88	<50	<50	<5.0 <5.0	< 0.5	<0.5	<0.5	< 0.5
	03/08/04	7.66	120	$240^{1,2}$	<5.0 <5.0	2.9	<0.5	<0.5	0.71
	06/08/04	9.39	<50	78^2	<5.0 <5.0	<0.5	<0.5	<0.5	< 0.5
	09/10/04	9.95	<50 <50	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	12/13/04	6.94	240	150	<5.0	11	<0.5	5.6	<0.5
	03/11/05	7.35	1,100	420	<40	43	0.60	12	0.80
	06/15/05	7.35	440	220	<15	26	<0.5	0.60	< 0.5
	09/08/05	9.57	120^{3}	76 ¹	<5.0	2.0	<0.5	<0.5	<0.5
	12/01/05	7.66	<50	<50	< 5.0	1.3	< 0.5	0.74	< 0.5
	03/07/06	7.32	590	150	<5.0	29	0.89	4.4	1.1
MW - 2	03/19/97	8.40	< 50	< 50	65	< 0.5	< 0.5	< 0.5	< 0.5
	06/23/97	8.85	< 50	< 50	70	3.4	< 0.5	< 0.5	< 0.5
	10/08/97	9.80	< 50	< 50	90	< 0.5	< 0.5	< 0.5	< 0.5
	01/16/98	5.28	< 50	< 50	65	< 0.5	< 0.5	< 0.5	< 0.5
	08/05/99	9.32	< 50	< 50	600	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/99	10.20	< 50	< 50	370	< 0.5	< 0.5	< 0.5	< 0.5
	02/24/00	7.03	< 50	< 50	880	< 0.5	< 0.5	< 0.5	< 0.5
	05/24/00	8.01	<250	62	2,200	< 0.5	< 0.5	< 0.5	< 0.5
	08/29/00	11.07	< 200	< 50	1,900	< 0.5	< 0.5	< 0.5	< 0.5
	01/12/01	8.60	470	70	2,000	8.7	3.1	16	73
	04/18/01	8.80	<50	<50	2,800	< 0.5	< 0.5	< 0.5	< 0.5
	07/27/01	11.10	<100	< 50	3,300	< 0.5	< 0.5	< 0.5	< 0.5
	11/06/01	12.21	<100	<50	3,000	< 0.5	< 0.5	< 0.5	< 0.5
	02/13/02	7.98	54	<50	3,200	< 0.5	< 0.5	< 0.5	< 0.5
	05/14/02	10.48	<150	<50	3,800	4.8	<1.0	<1.0	<1.0
	08/15/02	10.64	<50	<50	2,900	< 0.5	< 0.5	< 0.5	< 0.5
	11/14/02	11.69	<120	<50	3,800	<1.0	<1.0	<1.0	<1.0

Table 3: Groundwater Analytical Data Fidelity Roofing, 1075 40th Street, Oakland, California

Well ID	Date	Depth to Water	ТРНд	TPHd	MTBE	Benzene	Toluene	Ethyl- benzene	Xylenes
			EPA Method	SW8015Cm/C		EPA	Method SW8		
		(ft)	(u)	g/L)			(ug/L)		
							_		
MW - 2	02/12/03	9.07	1,100	120	3,200	57	7	55	210
continued	05/16/03	11.25	530	85	6,000	35	3.6	22	79
	08/29/03	12.19	2,400	1200	4,800	39	5.8	77	320
	12/02/03	10.96	<100	< 50	3,300	<1.0	<1.0	<1.0	<1.0
	03/08/04	8.41	<250	< 50	4,600	< 2.5	< 2.5	< 2.5	< 2.5
	06/08/04	10.19	<120	< 50	3,400	<1.2	<1.2	<1.2	<1.2
	09/10/04	10.84	<250	<250	4,100	< 2.5	< 2.5	< 2.5	< 2.5
	12/13/04	8.41	77	< 50	4,200	< 0.5	0.83	< 0.5	1.9
	03/11/05	7.81	120	< 50	4,900	14	< 0.5	0.56	< 0.5
	06/15/05	7.81	1,200	< 50	12,000	85	< 5.0	< 5.0	< 5.0
	09/08/05	11.58	< 500	< 50	8,600	< 5.0	< 5.0	< 5.0	< 5.0
	12/01/05	9.03	< 500	< 50	12,000	< 5.0	< 5.0	< 5.0	< 5.0
	03/07/06	7.78	< 500	< 50	10,000	44	<5.0	<5.0	<5.0
MW -3	03/19/97	7.59	26,000	5,000	230	3,000	530	340	2,300
	06/23/97	9.98	25,000	7,000	270	4,400	120	540	1,500
	10/08/97	8.36	17,000	5,100	< 280	4,400	47	280	410
	01/16/98	9.18	29,000	7,300	<360	5,600	740	950	3,500
	08/05/99	10.56	31,000	5,100	< 200	5,400	150	1100	2,300
	11/18/99	10.92	74,000	49,000	<1,000	8,100	5,000	2,100	8,100
	02/24/00	8.49	110,000	6,300	<200	12,000	1,400	2,900	14,000
	05/24/00	8.42	87,000	26,000	< 200	13,000	1,900	2,900	14,000
	08/29/00	12.00	49,000	9,400	<200	7,400	800	1,800	7,400
	01/12/01	10.50	69,000	21,000	<300	8,600	980	2,600	11,000
	04/18/01	9.50	75,000	13,000	< 500	9,200	1,200	2,500	12,000
	07/27/01	11.61	75,000	85,000	<650	8,700	1,100	2,600	12,000
	11/06/01	11.73	89,000	86,000	< 200	7,900	910	2,800	12,000
	02/13/02	9.36	85,000	13,000	<2,000	8,500	830	2,600	11,000
	05/14/02	9.00	94,000	35,000	<1,000	9,700	1,100	3,400	15,000
	08/15/02	11.72	37,000	9,700	<1,200	5,200	430	1,800	5,900
	11/14/02	11.28	66,000	23,000	<1,200	8,300	860	3,000	11,000
	02/12/03	10.17	61,000	8,400	< 500	6,800	500	2,400	9,800
	05/16/03	11.47	59,000	17,000	< 500	6,200	320	2,000	6,500
	08/29/03	11.92	78,000	100,000	<1,200	6,800	440	2,900	11,000
	12/02/03	11.32	68,000	46,000	<1,000	7,600	450	2,900	10,000
	03/08/04	10.49	79,000	160,000	<250	7,700	570	300	13,000
	06/08/04	9.89	90,000	26,000	<1,200	6,700	580	2,500	13,000
	09/10/04	11.54	· /	ee Product	<100*	7,600*	540*	3,500*	14,000*
	12/13/04	8.91	ā	oduct = 0.05 ft	-	-	-	-	,000
	03/11/05	6.94	7	oduct = 0.05 ft	-	_	_	_	_
	06/15/05	6.99		oduct = 0.12 ft	_	_	_	_	_
	09/08/05	10.61	ā	oduct = 0.12 ft oduct = 0.64 ft	_	_	_	_	_
	12/01/05	ng	Ē	ee Product	_	_	_	_	_
	03/07/06	5.26	1	oduct = 0.95 ft	_	_	-	_	_
	05/07/00	J.40	1111 - 1100 11	5446t - 0.75 It	-	-	-	-	-

Table 3: Groundwater Analytical Data Fidelity Roofing, 1075 40th Street, Oakland, California

MW-4	Well ID	Date	Depth to Water	ТРНд	TPHd	МТВЕ	Benzene	Toluene	Ethyl- benzene	Xylenes
MW-4 0805/99 8.79 <50 <50 37 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <			water	EPA Method	SW8015Cm/C		EPA	Method SW8		
MW-4 08/05/99 8.79			(ft)							
11/18/99						! !				
02/24/00	MW-4									
05/24/000 7.23 120		11/18/99				1				
08/29/00 9.04 <50 <50 <50 22 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5		02/24/00								
01/12/01 640 <50 81 25 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.		05/24/00								
04/18/01 7,30 30 170 35 2.4 1.1 0.66 4.2 07/27/01 9.16 87 110 26 1.8 < 0.5 2 10 11/06/01 9.03 200 59 21 4.5 1 5.2 24 02/13/02 6.60 <50 91 15 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.		08/29/00								
0727/01 9,16 87 1110 26 1.8 <0.5 2 10 11/06/01 9,03 200 59 21 4.5 1 5.2 24 02/13/02 6.60 <50 91 15 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.										
11/10/60 9,03 200 59 21 4.5 1 5.2 24										
02/13/02			9.16					< 0.5		
05/14/02			9.03	200						
08/15/02 8.97			6.60							
11/14/02			7.19	260	140					
02/12/03 6.37 170 130 16 3.1 0.66 6.4 27 05/16/03 6.81 <50 60 23 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <		08/15/02	8.97	< 50	< 50					< 0.5
05/16/03 6.81		11/14/02	7.52							
08/29/03 8.56 6.02		02/12/03	6.37	170	130	16	3.1	0.66	6.4	27
12/02/03		05/16/03	6.81	< 50	60	23	< 0.5			< 0.5
03/08/04 5.75		08/29/03	8.56	610	120	10	16	2.7	30	130
03/08/04 5.75		12/02/03		< 50	< 50	7.7	< 0.5	< 0.5	< 0.5	< 0.5
06/08/04 8.19		03/08/04				10	< 0.5	< 0.5	< 0.5	< 0.5
09/10/04 8.84 <50 <50		06/08/04				11	< 0.5	< 0.5	< 0.5	< 0.5
12/13/04 5.75 <50 <50 16 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5		09/10/04				10	< 0.5	< 0.5	< 0.5	< 0.5
03/11/05 5.26 <50 <50 <50 16 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <		12/13/04				16	< 0.5	< 0.5	< 0.5	< 0.5
06/15/05 5.26		03/11/05				16	< 0.5	< 0.5	< 0.5	< 0.5
09/08/05 8.20						15	< 0.5	< 0.5	< 0.5	< 0.5
12/01/05						16	< 0.5	< 0.5	< 0.5	< 0.5
VE-1 12/01/05 5.19 140 ³ 540 ².5 250 26 13 4.5 15 O3/07/06 2.81 55 na 230 5.2 1.4 2.3 4.5 AS-1 12/01/05 8.11 <50						1				
03/07/06 2.81 55 na 230 5.2 1.4 2.3 4.5 AS-1 12/01/05 8.11 <50		03/07/06			< 50	11	<0.5	<0.5	<0.5	<0.5
03/07/06 2.81 55 na 230 5.2 1.4 2.3 4.5 AS-1 12/01/05 8.11 <50	VE-1	12/01/05	5.19	140 ³	540 ^{2,5}	250	26	13	4.5	15
AS-1 12/01/05 8.11 <50 na <5.0 <0.5 0.81 <0.5 1.5 AS-2 12/01/05 9.64 <50 na <5.0 <0.5 <0.5 <0.5 <0.5 <0.5 DP-1 12/01/05 7.22 220 ² na <5.0 <0.5 2.8 <0.5 0.94 03/07/06 4.40 <50 na <5.0 <0.5 0.5 0.71 <0.5 1.1 DP-2 12/01/05 6.83 <50 na <59 <0.5 <0.5 <0.5 <0.5 <0.5 03/07/06 6.09 230 na <10 1.2 2.6 <0.5 1.2 DP-3 12/01/05 7.14 120 na 140 2.1 0.96 <0.5 <0.5 03/07/06 6.62 <50 na 260 <0.5 <0.5 <0.5 <0.5 <0.5 DP-4 12/01/05 8.43 ns ns ns ns ns ns ns ns	, 2 1					1				
AS-2 12/01/05 9.64 <50 na <5.0 <0.5 <0.5 <0.5 <0.5 DP-1 12/01/05 7.22 220 ² na <5.0 <0.5 2.8 <0.5 0.94 03/07/06 4.40 <50 na <5.0 <0.5 0.71 <0.5 1.1 DP-2 12/01/05 6.83 <50 na 59 <0.5 <0.5 <0.5 <0.5 03/07/06 6.09 230 na <10 1.2 2.6 <0.5 1.2 DP-3 12/01/05 7.14 120 na 140 2.1 0.96 <0.5 <0.5 03/07/06 6.62 <50 na 260 <0.5 <0.5 <0.5 <0.5 <0.5 DP-4 12/01/05 8.43 ns ns ns ns ns ns ns ns	A C 1	12/01/05	Q 11	~50	na	~5.0	<0.5	0.81	~0.5	15
DP-1 12/01/05 7.22 220² na <5.0	A5-1		0.11	\30	na					
03/07/06 4.40 <50	AS-2	12/01/05	9.64	<50	na	<5.0	<0.5	<0.5	<0.5	<0.5
DP-2 12/01/05 03/07/06 6.83 6.09 <50 na	DP-1	12/01/05	7.22	220^{2}	na	<5.0	< 0.5	2.8	< 0.5	0.94
03/07/06 6.09 230 na <10		03/07/06	4.40	<50	na	<5.0	<0.5	0.71	<0.5	1.1
03/07/06 6.09 230 na <10	DP-2	12/01/05	6.83	<50	na	59	< 0.5	< 0.5	< 0.5	< 0.5
03/07/06 6.62 <50					na	<10	1.2	2.6	<0.5	1.2
03/07/06 6.62 <50	DP-3	12/01/05	7.14	120	na	140	2.1	0.96	< 0.5	0.78
i i		03/07/06	6.62		na	260	<0.5	<0.5	<0.5	<0.5
03/07/06 7.19 2,400 na 310 570 3.2 38 0.94	DP-4			ns	ns					
j i		03/07/06	7.19	2,400	na	310	570	3.2	38	0.94

Table 3: Groundwater Analytical Data Fidelity Roofing, 1075 40th Street, Oakland, California

Well ID	Date	Depth to Water	ТРНд	TPHd	МТВЕ	Benzene	Toluene	Ethyl- benzene	Xylenes
			EPA Method SW8015Cm/C		İ	EPA			
		(ft)	(ug	g/L)	i ! !		(ug/L)		
DP-5	12/01/05 03/07/06	4.69 2.33	<50 <50	na na	<5.0 <5.0	<0.5 <0.5	<0.5 < 0.5	<0.5 <0.5	<0.5 < 0.5
DP-6	12/01/05 03/07/06	5.91 7.11	7,000 6,500	na na	<120 < 160	1000 850	7.8 5.9	860 650	230 350

Notes:

ug/L= micrograms per liter

MTBE= Methyl Tertiary Butyl Ether

TPHg= Total Petroleum Hydrocarbons as gasoline

TPHd= Total Petroleum Hydrocarbons as diesel

 $na = not \ analyzed$

ns = not sampled

ng = not gauged

* = Analysis by EPA Method 8260

- 1 gasoline range compounds are significant
- 2 diesel range compounds are significant; no recognizable pattern
- 3 unmodified or weakly modified diesel is significant
- 4 lighter than water immiscible sheen/product is present
- 5- oil range compounds are significant

APPENDIX A MONITORING WELL FIELD SAMPLING FORMS

Monitoring Well Number: MW-1

Project Name:	Fidelity Roof Company	Date of Sampling:	3/7/2006
Job Number:	3119	Name of Sampler:	Adrian Nieto
Project Address:	1075 40th Avenue, Oakland		

MONITORIN	MONITORING WELL DATA									
Well Casing Diameter (2"/4"/6")		2								
Wellhead Condition	OK	▼								
Elevation of Top of Casing (feet above msl)		45.49								
Depth of Well		21.00								
Depth to Water (from top of casing)	7.32									
Water Elevation (feet above msl)	38.17									
Well Volumes Purged		3								
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	6.6									
Actual Volume Purged (gallons)	8.0									
Appearance of Purge Water	clear									
Free Product Present?	? No Thickness (ft):									

		G	ROUNDWA	TER SAMPL	_ES		
Number of Sample	es/Container S	Size		(2) 40mL VOAs, (1) 1 Liter Amber			
Time	Vol Removed (deg C) pH		Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments	
	2	18.07	6.75	690	0.99	-28.1	
	4	17.88	6.71	694	0.76	-27.6	
	6	18.11	6.67	685	0.61	-34.8	
	8	19.04	6.67	617	0.44	-30.3	

No hc odors, initially clear			

Monitoring Well Number: MW-2

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006
Job Number:	3119	Name of Sampler: Adrian Nieto
Project Address:	1075 40th Avenue, Oakland	

MONITORING WELL DATA					
Well Casing Diameter (2"/4"/6")	2				
Wellhead Condition	OK				
Elevation of Top of Casing (feet above msl)		44.98			
Depth of Well		21.00			
Depth to Water (from top of casing)	7.78				
Water Elevation (feet above msl)	35.72				
Well Volumes Purged	3				
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	6.3				
Actual Volume Purged (gallons)	8.0				
Appearance of Purge Water	Clears fast				
Free Product Present?	no	Thickness (ft): -			

GROUNDWATER SAMPLES							
Number of Sample	Number of Samples/Container Size			(2) 40mL VOAs, (1) 1 Liter Amber			
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments
	2	19.65	6.58	1083	0.64	23.7	
	4	19.74	6.56	1076	0.60	64.3	
	6	20.02	6.55	1084	0.55	121.3	
	8	20.32	6.57	1056	0.52	296.7	

Light brown, no hc odors present						

Monitoring Well Number: MW-3

Project Name:	Fidelity Roof Company	Date of Sampling:	3/7/2006
Job Number:	3119	Name of Sampler:	Adrian Nieto
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA						
Well Casing Diameter (2"/4"/6")		2				
Wellhead Condition	OK		▼			
Elevation of Top of Casing (feet above msl)		44.37				
Depth of Well		21.00				
Depth to Water (from top of casing)		5.26				
Depth to FP		4.31				
Water Elevation (feet above msl)		39.11				
Well Volumes Purged		N/A				
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)						
Actual Volume Purged (gallons)		N/A				
Appearance of Purge Water		N/A				
Free Product Present?	yes	Thickness (ft):	0.95			

	GROUNDWATER SAMPLES						
Number of Sampl	es/Container S	Size		(2) 40mL VO	As, (1) 1 Liter	Amber	
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ sec/cm)	DO (mg/L)	ORP (meV)	Comments

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Well was neither purged nor sampled due to the presence of free product							

Monitoring Well Number: MW-4

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006
Job Number:	3119	Name of Sampler: Adrian Nieto
Project Address:	1075 40th Avenue, Oakland	

MONITORING WELL DATA					
Well Casing Diameter (2"/4"/6")		2			
Wellhead Condition	OK ▼				
Elevation of Top of Casing (feet above msl)		43.48			
Depth of Well		20.00			
Depth to Water (from top of casing)	4.17				
Water Elevation (feet above msl)	39.31				
Well Volumes Purged	3				
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)		7.6			
Actual Volume Purged (gallons)	8.0				
Appearance of Purge Water	clears quickly				
Free Product Present?	No	Thickness (ft):			

GROUNDWATER SAMPLES							
Number of Sample	Number of Samples/Container Size			(2) 40mL VOAs, (1) 1 Liter Amber			
Time Vol Removed (gal) Temperature (deg C) pH Conductivity (μ S/cm) DO (mg/L) ORP (meV)						Comments	
	2	19.33	6.57	735	0.67	86.1	
	4	19.49	6.5	726	0.55	99.6	
	6	20.45	6.48	833	0.36	90.9	
	8	20.49	6.48	832	0.35	92.7	

Water initially light brown, no hc odors						

Monitoring Well Number: DP-1

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006	
Job Number:	3119	Name of Sampler: Adrian Nieto	
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA						
Well Casing Diameter (2"/4"/6")		1				
Wellhead Condition	OK	▼				
Elevation of Top of Casing (feet above msl)						
Depth of Well		15.50				
Depth to Water (from top of casing)	4.40					
Water Elevation (feet above msl)		#VALUE!				
Well Volumes Purged		N/A				
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)		N/A				
Actual Volume Purged (gallons)	N/A					
Appearance of Purge Water						
Free Product Present?		Thickness (ft):				

GROUNDWATER SAMPLES									
Number of Sample	es/Container S	Size		(2) 40mL VOAs					
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments		

Water initially clear, no hc odors noted						

Monitoring Well Number: DP-2

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006	
Job Number:	3119	Name of Sampler: Adrian Nieto	
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA						
Well Casing Diameter (2"/4"/6")		1				
Wellhead Condition	OK	▼				
Elevation of Top of Casing (feet above msl)						
Depth of Well		15.50				
Depth to Water (from top of casing)	6.09					
Water Elevation (feet above msl)		#VALUE!				
Well Volumes Purged		N/A				
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)		N/A				
Actual Volume Purged (gallons)	N/A					
Appearance of Purge Water						
Free Product Present?		Thickness (ft):				

GROUNDWATER SAMPLES									
Number of Sampl	es/Container S	Size		(2) 40mL VO	As				
Time Vol Removed (gal) Temperature (deg C)			рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments		

		 	 <u>, , , , , , , , , , , , , , , , , , , </u>	_
Water initially clear, no hc odors				

Monitoring Well Number: DP-3

	Project Name:	Fidelity Roof Company	Date of Sampling:	3/7/2006
	Job Number:	3119	Name of Sampler:	Adrian Nieto
ı	Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA						
Well Casing Diameter (2"/4"/6")		1				
Wellhead Condition	OK		▼			
Elevation of Top of Casing (feet above msl)						
Depth of Well		15.50				
Depth to Water (from top of casing)	6.62					
Water Elevation (feet above msl)		#VALUE!				
Well Volumes Purged		N/A				
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)		N/A				
Actual Volume Purged (gallons)	N/A					
Appearance of Purge Water						
Free Product Present?		Thickness (ft):				

GROUNDWATER SAMPLES									
Number of Sample	es/Container S	Size		(2) 40mL VOAs					
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments		

	 <u> </u>		<u> </u>	
Water initially brown, no hc odors				

Monitoring Well Number: DP-4

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006	
Job Number:	3119	Name of Sampler: Adrian Nieto	
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA						
Well Casing Diameter (2"/4"/6")	1					
Wellhead Condition	OK .					
Elevation of Top of Casing (feet above msl)						
Depth of Well		15.50				
Depth to Water (from top of casing)	7.19					
Water Elevation (feet above msl)	#VALUE!					
Well Volumes Purged	N/A					
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	N/A					
Actual Volume Purged (gallons)	N/A					
Appearance of Purge Water						
Free Product Present?		Thickness (ft):				

		G	ROUNDWA	TER SAMPI	_ES		
Number of Sampl	es/Container S	Size		(2) 40mL VOAs			
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments

, ,	<u> </u>	 	
Water initially greenish color with strong hc odd	or		

Monitoring Well Number: DP-5

Project Name:	Fidelity Roof Company	Date of Sampling:	3/7/2006
Job Number:	3119	Name of Sampler:	Adrian Nieto
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA					
Well Casing Diameter (2"/4"/6")	1				
Wellhead Condition	ОК				
Elevation of Top of Casing (feet above msl)					
Depth of Well		15.50			
Depth to Water (from top of casing)	2.33				
Water Elevation (feet above msl)	#VALUE!				
Well Volumes Purged		N/A			
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	N/A				
Actual Volume Purged (gallons)	N/A				
Appearance of Purge Water					
Free Product Present?		Thickness (ft):			

		G	ROUNDWA	TER SAMPL	_ES		
Number of Sample	es/Container S	Size		(2) 40mL VOAs			
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments

· · · · · · · · · · · · · · · · · · ·	 	
Water initially greenish color with strong hc odors		

Monitoring Well Number: DP-6

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006	
Job Number:	3119	Name of Sampler: Adrian Nieto	
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA						
Well Casing Diameter (2"/4"/6")	1					
Wellhead Condition	ОК					
Elevation of Top of Casing (feet above msl)						
Depth of Well		15.50				
Depth to Water (from top of casing)	7.11					
Water Elevation (feet above msl)	#VALUE!					
Well Volumes Purged	N/A					
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	N/A					
Actual Volume Purged (gallons)	N/A					
Appearance of Purge Water						
Free Product Present?		Thickness (ft):				

		G	ROUNDWA	TER SAMPL	_ES		
Number of Sample	es/Container S	Size		(2) 40mL VOAs			
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments

Vater initially greenish color with strong hc odors, light sheen noted at 1.5 gallons	

Monitoring Well Number: VE-1

Project Name:	Fidelity Roof Company	Date of Sampling: 3/7/2006	
Job Number:	3119	Name of Sampler: Adrian Nieto	
Project Address:	1075 40th Avenue, Oakland		

MONITORING WELL DATA										
Well Casing Diameter (2"/4"/6")		4								
Wellhead Condition	OK									
Elevation of Top of Casing (feet above msl)										
Depth of Well		10.00								
Depth to Water (from top of casing)	2.81									
Water Elevation (feet above msl)	#VALUE!									
Well Volumes Purged		N/A								
Calculated Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)		N/A								
Actual Volume Purged (gallons)	N/A									
Appearance of Purge Water										
Free Product Present?		Thickness (ft):								

GROUNDWATER SAMPLES											
Number of Sample	es/Container S	Size		(2) 40mL VOAs							
Time	Vol Removed (gal)	Temperature (deg C)	рН	Conductivity (μ S/cm)	DO (mg/L)	ORP (meV)	Comments				

APPENDIX B

LABORATORY ANALYTICAL AND CHAIN OF CUSTODY DOCUMENTATION



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone: 925-798-1620 Fax: 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

AEI Consultants	Client Project ID: #8326; Fidelity Roof	Date Sampled: 03/07/06
2500 Camino Diablo, Ste. #200	Company	Date Received: 03/07/06
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Reported: 03/10/06
wante creek, cri 71377	Client P.O.:	Date Completed: 03/10/06

WorkOrder: 0603084

March 10, 2006

Dear Robert:

Enclosed are:

- 1). the results of 10 analyzed samples from your #8326; Fidelity Roof Company project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0603084 AFL

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		110 2nd A PACHEO	CO, CA 94	553-55	, #D7									-	T	UI	RN	Al	RO	UN	D'	TI	ME];		5				X
Telepho	ne: (925) 79					Fax	: (92	25)	798	-163	22			-							N 72	-	**		-	USI			HR	_		HR		72 HR	5 DAY
														4	G	eol	Fra	cke	r El	_	X	_	PD	_	X		Ex	cel	L	<u></u>	_	_	_	n (DW)	
Report To: Robe			I	Bill T	o: Sa	me								4			_	_	_	An	alys	is I	lequ	uest		_		_	_	╄	O	ther	-	Com	ments
Company: AEI C		11 C 1	200			_	_	_	_	_				4			(F)										1			3					
	Camino Dia ut Creek, C.			r Ma	n		ana!		- It-					\dashv	rBE.		E&F/B&F)								0					t List)					
Tel: (925) 944-2	The second second			E-Ma						ints.	com		_	\dashv	8015)/MTBE	-	E	=							8310					argo				l	
	Tel: (925) 944-2899, extension 122 Fax: (925) 944-2895 Project #: 8326 Project Name: Fidelity Roof Company							8015		(5520	418		_				~	82707					8010 Target												
Project Location:	1075, 40 th S	treet, Oa					110		, , ,	001	-	a a a p	anny.	_	+ 02		ise (ons	list)	8020)					8/8			6		1					
Sampler Signatur			lon											1	12/8020		Grease	carb	10 1	2 / 8	080				A 625 /			109/		(8260B					
	7	SAMP	LING		ers	Τ	MA	ATE	RIX			ETH			Gas (60	8015)	Oil &	Hydro	8260 (8010	EPA 60	8/809	8080	/ 8260	/ 8260	y EPA			739.2		Cs (82					
SAMPLE ID (Field Point Name)	LOCATION	Date	Time	# Containers	Type Containers	Water	Soil	Air	Sludge	Other	lce	HCI	HNO3	Other	BTEX & TPH as	TPH as Diesel (8015)	Total Petroleum	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 82	BTEX ONLY (EPA 602 /	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	VOCs EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Halogenated VOCs					
MW-1		3-7-06	12:48	4	VIL	X				7	X	X		†	X	X											\vdash	T	Т	T	Т		T		
MW-2		1	19275	i(11	X					X	X		1	X	X											\vdash			\vdash	\Box				
AHWA										1		\top		1	-												į.				\perp				
MW-4			1:00	ti	11	X				\neg	X	X	1	1	X	X															+	+			
DP-1			10:15	2	Vog	X					X	X	1	1	X	1																			-
DP-2			10:00	1	ī	X				1	X	X	Ť	1	X																				4
DP-3			18:00			X				7	X	X	1	1	X																				
DP-4		1	10:45			X				\neg	X	X			X																	\top			
DP-5			10:10			X				7	X	X		1	X													1					Т		
DP-6	100		10:25	11		X				T	X	X			X																				
VES-2			17:10	1	4	X					X	X			X																L				
						-				+	+		+	+	+																				
-						1					1	7								0 7															
Relinquished By:	Wo	Date: 3-7-46	Time:	Reco	eived B	In	0	1	12	کر	R			T	72			-/	/			/								OAS	10)&G	1	IETALS	OTHER
Relinquished By:	elinquished By: Date: Time: Received By:						G	IEA	DS	PAC	CE A	TIO! ABS	ENT		B_	1	APP CON PE	RO TA	PRI	ATI	E	LAI	В_		_										



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0603084 ClientID: AEL EDF: YES

Report to: Bill to: Requested TAT: 5 days

Robert Flory TEL: (925) 283-6000 Joanne Bryant
AEI Consultants FAX: (925) 283-6121 AEI Consultants

2500 Camino Diablo, Ste. #200 ProjectNo: #8326; Fidelity Roof Company 2500 Camino Diablo, Ste. #200 Date Received: 03/07/2006
Walnut Creek, CA 94597 Po: Walnut Creek, CA 94597 Date Printed: 03/07/2006

				Requested Tests (See legend below)												
Sample ID	ClientSampID	Matrix	Collection Date H	lold	1	2	3	4	5	6	7	8	9	10	11	12
0603084-001	MW-1	Water	3/7/06 12:45:00 PM		Α	Α	В									
0603084-002	Mw-2	Water	3/7/06 12:25:00 PM		Α		В									
0603084-003	MW-4	Water	3/7/06 1:00:00 PM		Α		В									
0603084-004	DP-1	Water	3/7/06 10:15:00 AM		Α											
0603084-005	DP-2	Water	3/7/06 10:00:00 AM		Α											
0603084-006	DP-3	Water	3/7/06 11:00:00 AM		Α											
0603084-007	DP-4	Water	3/7/06 10:45:00 AM		Α											
0603084-008	DP-5	Water	3/7/06 10:10:00 AM		Α											
0603084-009	DP-6	Water	3/7/06 10:25:00 AM		Α											
0603084-010	VES-2	Water	3/7/06 12:10:00 PM		Α											

Test Legend:

1 G-MBTEX_W	2 PREDF REPORT	3 TPH(D)_W	4	5
6	7	8	9	10
11	12			

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



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AEI Consultants	Client Project ID: #8326; Fidelity Roof Company	Date Sampled: 0	03/07/06
2500 Camino Diablo, Ste. #200		Date Received: 0	03/07/06
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 0	03/08/06-03/10/06
	Client P.O.:	Date Analyzed: 0	03/08/06-03/10/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0603084

Extraction	i iliculou. S w 3030B		Anary	viicai illetilous. 3 v	V 8021B/8013CIII			WOIK OIL	ici. od	003084
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	590,a	ND	29	0.89	4.4	1.1	1	111
002A	Mw-2	W	ND<500,j	10,000	44	ND<5.0	ND<5.0	ND<5.0	10	101
003A	MW-4	W	ND	11	ND	ND	ND	ND	1	101
004A	DP-1	W	ND	ND	ND	0.71	ND	1.1	1	102
005A	DP-2	W	230,a	ND<10	1.2	2.6	ND	1.2	1	#
006A	DP-3	W	ND	260	ND	ND	ND	ND	1	107
007A	DP-4	W	2400,a	310	570	3.2	38	0.94	1	100
008A	DP-5	W	ND	ND	ND	ND	ND	ND	1	101
009A	DP-6	W	6500,a	ND<160	850	5.9	650	350	10	113
010A	VES-2	W	55,a	230	5.2	1.4	2.3	4.5	1	104
Rep	Reporting Limit for DF =1;		50	5.0	0.5	0.5	0.5	0.5	1	μg/L
	ND means not detected at or above the reporting limit		NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe,
product/oil/non-aqueous liquid samples in mg/L.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.





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			•	•					
AEI Consulta	ants		ct ID: #8326; Fidelity Roof	Date Sampled: 03/07/	7/06				
2500 Camino	Diablo, Ste. #200	Company		Date Received: 03/07/	06				
Walnut Creek	CA 94597	Client Cont	act: Robert Flory	Date Extracted: 03/07/	06				
Wallut Creek	, (11)+3)1	Client P.O.:		Date Analyzed 03/07/	06				
	Diesel Rang	e (C10-C23)							
Extraction method:	SW3510C	An	rk Order:	0603084					
Lab ID	Client ID	Matrix	TPH(d)		DF	% SS			
0603084-001B	MW-1	W	150,d		1	102			
0603084-002B	Mw-2	W	ND		1	104			
0603084-003B	MW-4	w	ND		1	105			
		· · · · · · · · · · · · · · · · · · ·							
	orting Limit for DF =1;	W	50		μ	g/L			
ND n	neans not detected at or	C	N A		l N	T A			

above the reporting limit

^{*} water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

[#] cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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Telephone: 925-798-1620 Fax: 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0603084

EPA Method SW8021B/8015	Cm E	Extraction SW5030B			BatchID: 20628			Spiked Sample ID 0603090-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex [£]	ND	60	107	102	4.18	105	109	3.17	70 - 130	70 - 130
MTBE	ND	10	83.5	82.6	1.10	98.2	95.2	3.16	70 - 130	70 - 130
Benzene	ND	10	92.5	96.2	3.94	87	89.2	2.59	70 - 130	70 - 130
Toluene	ND	10	91.9	96.8	5.17	88.8	90.8	2.17	70 - 130	70 - 130
Ethylbenzene	ND	10	94.9	95.9	1.08	90.5	92.1	1.73	70 - 130	70 - 130
Xylenes	ND	30	98.7	95.3	3.44	90.7	94.7	4.32	70 - 130	70 - 130
%SS:	112	10	100	103	2.83	96	98	1.47	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 20628 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603084-001A	3/07/06 12:45 PM	3/08/06	3/08/06 9:27 AM	0603084-002A	3/07/06 12:25 PM	3/08/06	3/08/06 10:32 AM
0603084-002A	3/07/06 12:25 PM	3/09/06	3/09/06 11:14 AM	0603084-003A	3/07/06 1:00 PM	3/08/06	3/08/06 9:59 AM
0603084-004A	3/07/06 10:15 AM	3/09/06	3/09/06 4:04 PM	0603084-005A	3/07/06 10:00 AM	3/08/06	3/08/06 7:30 AM
0603084-006A	3/07/06 11:00 AM	3/09/06	3/09/06 1:24 PM	0603084-007A	3/07/06 10:45 AM	3/09/06	3/09/06 1:54 PM
0603084-007A	3/07/06 10:45 AM	3/10/06	3/10/06 4:18 PM	0603084-008A	3/07/06 10:10 AM	3/10/06	3/10/06 3:48 PM
0603084-009A	3/07/06 10:25 AM	3/08/06	3/08/06 2:43 PM	0603084-010A	3/07/06 12:10 PM	3/08/06	3/08/06 8:28 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

QA/QC Officer

DHS Certification No. 1644

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

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QC SUMMARY REPORT FOR SW8015C

WorkOrder: 0603084 W.O. Sample Matrix: Water QC Matrix: Water

EPA Method SW8015C	Extraction SW3510C				BatchID: 20625			Spiked Sample ID N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	104	105	0.242	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	87	86	0.238	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 20625 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603084-001B	3/07/06 12:45 PM	3/07/06	3/07/06 5:08 PM	0603084-002B	3/07/06 12:25 PM	3/07/06	3/07/06 6:18 PM
0603084-003B	3/07/06 1:00 PM	3/07/06	3/07/06 7:27 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

