Bay Consulting Services
P.O. Box 5902
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June 23, 2006

Ms. Normita Callison
Corporate Environmental Specialist
Pacific Coast Companies, Inc.
10600 White Rock Road
Rancho Cordova, CA 95670

Re: Groundwater Monitoring Report –Second Quarter 2006
879 Wright Road, N, Santa Rosa, CA
SCDHS-EHD # 0001844

Dear Ms. Callison:

This report presents the results of the groundwater monitoring well sampling activities conducted during the second quarter 2006, at the above-referenced site. This work was conducted on behalf of Pacific Coast Building Products (PCBP) in response to a letter from the Sonoma County Department of Environmental Health (SCDEH), dated May 8, 2006. Based on the requirements of SCDEH, quarterly groundwater monitoring and sampling on select wells is required to evaluate the groundwater conditions over time. Therefore, wells MW-3, MW-4, and the onsite water supply well will be sampled on a quarterly basis and wells MW-1 and MW-2 will be sampled annually. The site background and findings from the work are described below.

SCOPE OF WORK

The scope of work for the investigation was to:

- Purge 3 to 5 well volumes from each well,
- Collect and analyze one groundwater sample from monitoring wells MW-3 and MW-4 and from the domestic well (prior to wellhead treatment) for TPHg, BTEX, and selected fuel oxygenates and additives by EPA test method 8260B.
- Calculate the groundwater flow direction and gradient,
- Disposal of waste materials,
- Prepare this report.
- Upload information to Geotracker in accordance with AB2886,

SITE BACKGROUND

The site is utilized as a light industrial/commercial facility for the resale of roofing products as Alcal Santa Rosa, a Division of Alcal Arcade Contracting, Inc. under the parent company, Pacific Coast Companies, Inc. The property is located on the southwest corner of Wright Road and Sebastopol Freeway (Interstate 12), Santa Rosa, California (Figure 1). Local topography is flat and the Site elevation is

approximately 95 feet (ft) above mean sea level. Site facilities include a commercial store, several maintenance building and several warehouses (Figure 2). The property is owned by Pacific Coast Companies, Inc. The surrounding land use is light industrial and commercial.

SITE HISTORY

December 1993 Tank Removal: Two fuel underground storage tanks consisting of 2,000-gallon diesel and 2,000-gallon gasoline were removed in December 1993. Groundwater was encountered during tank removal at 7.5 feet below ground surface (bgs). Approximately 600 gallons of liquid was removed from the excavation and transported to a recycling facility. Laboratory analysis of soil samples collected from the excavation indicated up to 140 parts per million (ppm) of total petroleum hydrocarbons as gasoline (TPHg) and 240 ppm total petroleum hydrocarbons as diesel (TPHd). Laboratory results of one grab water sample collected from the tank excavation reported up to 1,700,000 µg/L TPHd and 150,000 µg/L TPHg.

March 1995 Preliminary Investigation: In 1995, ACC Environmental Consultants (ACC) conducted a preliminary investigation of the open tank excavation. A grab water sample and 10 sidewall soil samples collected from the excavation indicated no detectable concentrations of constituents above laboratory reporting limits. Approximately 10,000 gallons of liquid was removed from the excavation and discharged into the sanitary sewer. The tank excavation was backfilled will clean imported fill material.

July 1995 Well Installation: In July 1995, ACC conducted a subsurface investigation and installed three groundwater monitoring wells (MW-1 through MW-3). Laboratory results of soil collected during drilling indicated up to 14 ppm TPHg and 4.7 ppm TPHd. Periodic groundwater monitoring has been ongoing at the site since 1995. Historically, low to below detectable concentration of TPHg, BTEX, and MtBE were reported in the groundwater in wells MW-1 and MW-2. Laboratory results from MW-3 reported detectable concentrations of constituents. A water supply well located on site has been periodically sampled since 1996. Detectable concentrations were reported in the water supply well in 1999 and 2001.

June 2003, Well Installation: In June 2003, Bay Consulting Services (Bay) conducted a subsurface investigation and installed one additional monitoring well (MW-4). Laboratory results of soil collected during drilling indicated below laboratory detection limits of TPHg and BTEX and 0.1 ppm MtBE.

Groundwater Monitoring: Periodic groundwater monitoring and sampling began in 1995. A summary of the groundwater monitoring data is presented in Table 1. Three monitoring wells (MW-1 through MW-3) were sampled on a quarterly basis in 1995 and two quarters in 1996. In 1996, the sampling frequency was changed to semi-annual. Sampling of the onsite domestic well was included in 1996. Three events (2/1/99, 8/12/99, and 1/26/01) reported detectable concentrations of constituents in the water collected from the onsite water supply well. Groundwater samples have been analyzed for MtBE and fuel oxygenates and additives using EPA Method 8260 during the February and June 2003 sampling events. In a letter dated May 5, 2004, SCDEH approved a modified sampling program which includes eliminating

1,2-DCA, EDB, TAME, and ETBE from the sampling program. In a letter dated May 8, 2006, SCDEH requested quarterly sampling of wells MW-3, MW-4, and the water supply well and annual sampling of wells MW-1 and MW-2 until prior to closure. All wells will be sampled prior to closure.

SECOND FIRST QUARTER 2005 ACTIVITIES

Monitoring Activities

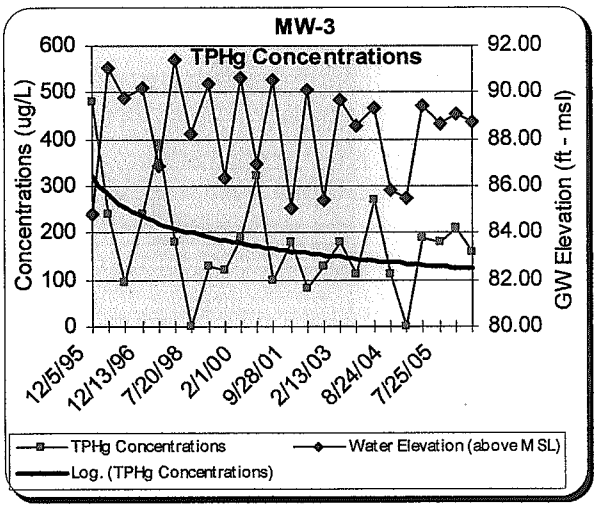
Field Activities: June 13, 2006, Blaine Tech Services, Inc (Blaine) of San Jose purged approximately 3 well volumes from each well and collected samples from select onsite wells. The June 2006 measurements were utilized to calculate the groundwater flow direction and gradient, presented in Figure 3. Well parameters were monitored during purging and sampling. Field notes of well monitoring are presented in Attachment A. The water levels and analytical data have been submitted to the Geotracker database.

Sample Analyses: Samples were obtained from wells MW-3 and MW-4 and from the domestic well prior to the treatment system. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), BTEX, oxygenates di-isopropyl ether (DIPE), methyl-tert-butyl ether (MTBE), and tert-butyl alcohol (TBA) by EPA Method 8260B. All analyses were performed by Kiff Analytical of Davis, California. The laboratory reports for groundwater sampling are included in Appendix B.

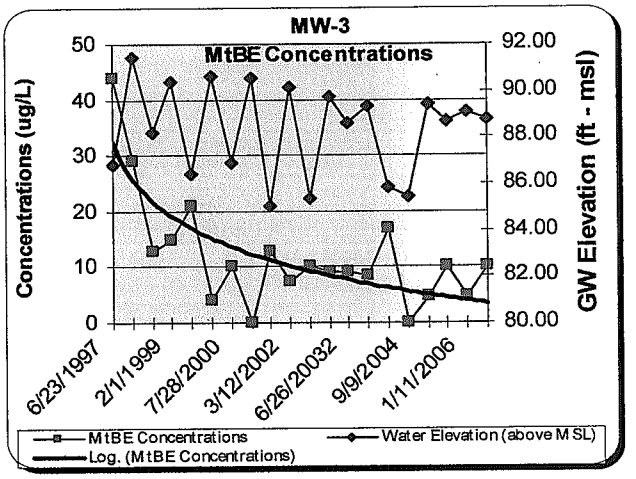
MONITORING RESULTS

Groundwater Flow Direction: Based on the depth-to-water data collected, the groundwater flow direction varies to the west to southwest with a gradient of 0.002 foot per foot (Figure 2). During this event, groundwater levels were reported between 4.38 to 5.57 feet bgs indicating approximately 0.71 to 0.38 foot decrease of water levels in the monitoring wells and 2.82 feet decrease in the domestic well from the previous sampling event. Groundwater levels are within seasonable levels compared to historical trends collected during this period. Table 2 presents the historical groundwater flow directions and gradients.

Hydrocarbon Distribution in Groundwater: Below detectable concentrations of all constituents were reported in the sample collected from the domestic well. Below detectable concentrations of BTEX BTEX were reported in MW-3 and MW-4. Detectable concentrations of TPHg and MtBE up to 160 and 53 µg/L, respectively were reported in were reported in wells MW-3 and MW-4. In addition, well MW-4 reported TBA up to 53 µg/L. No other detectable concentrations of constituents were



reported in the groundwater samples. As illustrated in the adjacent below graphs, both TPHg and MtBE concentrations have decreased over time. TPHg concentrations in the groundwater appear to fluctuate with groundwater levels but the general trend is decreasing with time.



Groundwater analytical results are summarized in Table 1, and hydrocarbon and MtBE concentrations are shown on Figure 3.

CONCLUSIONS AND RECOMMENDATIONS

Analytical results for this event indicate that constituent concentrations have decreased in MW-3 since the previous event, whereas concentrations of TPHg and MtBE have fluctuated in well MW-4 over time. No detectable constituents have been reported in the water supply well except for isolated events in 1999 and 2001 for MtBE and TPHg, respectively. Quarterly groundwater monitoring and sampling should continue to evaluate seasonal trends in constituents.

If you have any questions or comments regarding this report, please call me at (707) 254-9886 or (707) 337-3768 (cell phone).

Sincerely,
Bay Consulting Services, LLC

Misty C. Kaltreider, P.G.
Principal Geologist

CC: Cliff Ives – County of Sonoma Department of Health Services

Attachments:

Figure 1 – Vicinity Map
Figure 2 – Site Plan
Figure 3 - Groundwater Contour Map

Table 1 – Groundwater Elevation and Analytical Data
Table 2 – Historical Groundwater Flow and Gradient

Appendix A – Groundwater Monitoring Field Data Sheets
Appendix B – Analytical Results for Groundwater

TABLE 1
Groundwater Monitoring Data and Analytical Results
Alcal Santa Rosa, 879 Wright Road, Santa Rosa

Well ID	Sample Date	TOC (Ft.)	DTW (ft.)	GWE (msl)	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	E. benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	TBA (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	1.2-DCA (ppb)	EDB (ppb)
MW-1	8/31/1995[1]	93.64	7.85	85.79	<50	<0.3	<0.3	<0.3	<0.3	44						
	12/5/95	93.64	8.78	84.86	<50	<0.3	<0.3	<0.3	<0.3	25						
	3/5/96	93.64	2.12	91.52	<50	<0.3	<0.3	<0.3	<0.3	44						
	6/5/96	93.64	3.62	90.02	<50	<0.3	<0.3	<0.3	<0.3	24						
	12/13/96	93.64	2.98	90.66	NA	NA	NA	NA	NA	NA						
	6/23/97	93.64	6.66	86.98	NA	NA	NA	NA	NA	NA						
	1/15/98	93.64	1.78	91.86	NA	NA	NA	NA	NA	NA						
	7/20/98	93.64	5.32	88.32	NA	NA	NA	NA	NA	NA						
	2/1/99	93.64	2.96	90.68	NA	NA	NA	NA	NA	NA						
	8/12/99	93.64	7.00	86.64	NA	NA	NA	NA	NA	NA						
	2/1/00	93.64	2.52	91.12	NA	NA	NA	NA	NA	NA						
	7/28/00	93.64	6.56	87.08	NA	NA	NA	NA	NA	NA						
	1/26/01	93.64	2.98	90.66	NA	NA	NA	NA	NA	NA						
	9/28/01	93.64	8.29	85.35	<50	<0.5	<0.5	<0.5	<0.5	2.8						
	3/12/02	93.64	3.33	90.31	NA	NA	NA	NA	NA	NA						
	9/16/02	93.64	7.99	85.65	<50	<0.5	<0.5	<0.5	<0.5	4.1						
	2/13/03	93.64	3.84	89.80	<50	<0.5	<0.5	<0.5	<0.5	5.7	<10	<5	<5	<5	<2	<2
	6/26/2003[2]	93.56	5.07	88.49	<50	<0.5	<0.5	<0.5	<0.5	5.7	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/10/04	93.56	3.76	89.80	<50	<0.5	<0.5	<0.5	<0.5	3.4	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/24/04	93.56	Not Measured		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/9/04	93.56	7.81	85.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/21/05	93.56	4.44	89.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/05	93.56	4.88	88.68	<50	<0.5	<0.5	<0.5	<0.5	1.5	<5	<0.5	NA	NA	NA	NA
	1/11/06	93.56	4.2	89.36	<50	<0.5	<0.5	<0.5	<0.5	1.2	<5	<0.5	NA	NA	NA	NA
	6/13/06	**93.56**	**4.8**	**88.76**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	8/31/95	93.50	7.69	85.81	<50	<0.3	<0.3	<0.3	<0.3	<0.3						
	12/5/95	93.50	8.63	84.87	<50	<0.3	<0.3	<0.3	<0.3	<0.3						
	3/5/96	93.50	2.13	91.37	<50	<0.3	<0.3	<0.3	<0.3	<0.3						
	6/5/96	93.50	3.51	89.99	<50	<0.3	<0.3	<0.3	<0.3	<0.3						
	12/13/96	93.50	3.00	90.50	NA	NA	NA	NA	NA	NA						
	6/23/97	93.50	6.49	87.01	NA	NA	NA	NA	NA	NA						
	1/15/98	93.50	1.79	91.71	NA	NA	NA	NA	NA	NA						
	7/20/98	93.50	5.22	88.28	NA	NA	NA	NA	NA	NA						
	2/1/99	93.50	2.95	90.55	NA	NA	NA	NA	NA	NA						
	8/12/99	93.50	6.88	86.62	NA	NA	NA	NA	NA	NA						
	2/1/00	93.50	2.58	90.92	NA	NA	NA	NA	NA	NA						
	7/28/00	93.50	6.40	87.10	NA	NA	NA	NA	NA	NA						
	1/26/01	93.50	2.98	90.52	NA	NA	NA	NA	NA	NA						
	9/28/01	93.50	8.16	85.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	3/12/02	93.50	3.33	90.17	NA	NA	NA	NA	NA	NA						
	9/16/02	93.50	7.82	85.68	<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	2/13/03	93.50	3.77	89.73	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<5	<5	<5	<2	<2
	6/26/2003[2]	93.47	4.82	88.65	<50	<0.5	<0.5	<0.5	<0.5	1.3	<5	<0.5	<0.5	<0.5	<0.5	<0.5

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	2/10/04	93.47	4.03	89.44	<50	<0.5	<0.5	<0.5	<0.5	1.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/24/04	93.47	Not Measured		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	9/9/04	93.47	7.18	86.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/21/05	93.47	4.21	89.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/05	93.47	4.97	88.50	<50	<0.5	<0.5	<0.5	<0.5	1.3	<5	<0.5	NA	NA	NA	NA
	1/11/06	93.47	4.15	89.32	<50	<0.5	<0.5	<0.5	<0.5	0.94	<5	<0.5	NA	NA	NA	NA
	6/13/06	**93.47**	**4.67**	**88.80**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	12/5/95	93.15	8.33	84.82	480	36	<0.3	<0.3	27	330						
	3/5/96	93.15	2.06	91.09	240	19	<0.3	<0.3	<0.3	<0.5						
	6/5/96	93.15	3.42	89.73	95	6.8	<0.3	5.3	2.5	74						
	12/13/96	93.15	2.92	90.23	240	8.4	<0.5	12	3.5	93						
	6/23/97	93.15	6.30	86.85	390	16	<0.5	26	6.9	44						
	1/15/98	93.15	1.73	91.42	180	5.3	2.6	7.3	1.2	29						
	7/20/98	93.15	4.93	88.22	<50	<0.5	<0.5	<0.5	<0.5	13						
	2/1/99	93.15	2.81	90.34	130	0.62	3.3	1.2	1.1	15						
	8/12/99	93.15	6.78	86.37	120	0.9	1.9	3.0	0.9	21						
	2/1/00	93.15	2.50	90.65	190	0.82	2.0	4.0	0.61	4.1						
	7/28/00	93.15	6.24	86.91	320	1.9	<0.5	1.0	<0.5	10						
	1/26/01	93.15	2.64	90.51	100	<0.5	<0.5	1.5	<0.5	<0.5						
	9/28/01	93.15	8.10	85.05	180	0.8	2.8	2.2	0.7	13						
	3/12/02	93.15	3.03	90.12	83	1.0	1.2	<0.5	<0.5	7.4						
	9/16/02	93.15	7.79	85.36	130	1.6	<0.5	0.8	<0.5	10						
	2/13/03	93.15	3.43	89.72	180	2.2	0.6	0.5	<0.5	9.2	<10	<5	<5	<5	<2	<2
	6/26/2003[2]	93.12	4.56	88.56	110	<0.5	<0.5	<0.5	<0.5	9.2	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/10/04	93.12	3.78	89.34	270	2.5	<0.5	0.56	<0.5	8.3	<5	0.53	<0.5	<0.5	<0.5	<0.5
	8/24/04	93.12	7.30	85.82	110	<0.5	<0.5	<0.5	<0.5	17	<5	<0.5	NA	NA	NA	NA
	9/9/04	93.12	7.66	85.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/21/05	93.12	3.71	89.41	190	<0.5	<0.5	<0.5	<0.5	4.7	<5	<0.5	NA	NA	NA	NA
	7/25/05	93.12	4.45	88.67	180	0.72	<0.5	0.64	<0.5	10	<5	<0.5	NA	NA	NA	NA
	1/11/06	93.12	4.00	89.12	210	1.6	<0.5	0.56	<0.5	4.6	<5	<0.5	NA	NA	NA	NA
	6/13/06	**93.12**	**4.38**	**88.74**	**160**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**10**	**<5**	**<0.5**	**NA**	**NA**	**NA**	**NA**
MW-4	6/26/03	93.86	5.28	88.58	61	<0.5	<0.5	<0.5	<0.5	51	23	<0.5	<0.5	<0.5	<0.5	<0.5
	2/10/04	93.86	4.17	89.69	<50	<0.5	<0.5	<0.5	<0.5	15	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/24/04	93.86	7.79	86.07	<50	<0.5	<0.5	<0.5	<0.5	68	15	<0.5	NA	NA	NA	NA
	9/9/04	93.86	8.01	85.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/21/05	93.86	4.14	89.72	<50	<0.5	<0.5	<0.5	<0.5	11	<5	<0.5	NA	NA	NA	NA
	7/25/05	93.86	5.09	88.77	350	<0.5	<0.5	<0.5	<0.5	130	130	<0.5	NA	NA	NA	NA
	1/11/06	93.86	4.35	89.51	57	0.73	<0.5	<0.5	<0.5	33	24	<0.5	NA	NA	NA	NA
	6/13/06	**93.86**	**5.06**	**88.80**	**100**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**53**	**55**	**<0.5**	**NA**	**NA**	**NA**	**NA**
Domestic Well																
	12/13/96		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	6/23/97		NM		<50	<0.5	<0.5	<0.5	<0.5	<20						

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	1/15/98		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	7/20/98		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	2/1/99		NM		<50	<0.5	<0.5	<0.5	<0.5	1.9						
	8/12/99		NM		<50	<0.5	<0.5	<0.5	0.6	<0.5						
	2/1/00		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	7/28/00		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	1/26/01		NM		67	<0.5	<0.5	<0.5	<0.5	<0.5						
	9/28/01		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
	3/12/02		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
Domestic	9/16/02		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5						
Well	2/13/03		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<5	<5	<5	<2	<2
	6/26/2003[2,3]		NM		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/26/2003[4]		6.20		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/10/2004[3]		3.16		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/10/2004[4]		3.16		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/24/04		8.69		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	NA	NA	NA	NA
	9/9/04		8.88		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/21/05		3.52		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	NA	NA	NA	NA
	7/25/05		6.28		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	NA	NA	NA	NA
	1/11/06		2.75		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	NA	NA	NA	NA
	6/13/06		**5.57**		**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5**	**<0.5**	**NA**	**NA**	**NA**	**NA**

Notes: Groundwater Monitoring Data and analytical results prior to 6/26/2003 were compliled from reports prepared by ACC Environmental Consultants.
Current results are highlited

TOC = Top of Casing surveyed elevation
(ft.) = Feet
GWE = Groundwater Elevation
msl = Mean Sea Level
DTW = Depth to Water
TPHd = Total Petroleum Hydrocarbons as Diesel

TPHg = Total Petroleum Hydrocarbons as gasoline
(ppb) = Parts per billion
NA = Not analyzed
MtBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichlorothane
EDB = 1,2-Dibromoethane
NM = Not Measured

1 The original surveyed elevation (TOC) for well MW-1 was 93.64 (Ron Archer, 8/29/95). Whereas the groundwater monitoring reports prepared by ACC identified the TOC for well MW-1 as 94.64.
2 The wells were resurveyed by Virgil Chavez Land Surveying on 6/24/2003.
3 Sample collected from the domestic well, prior to the pressure tank and treatment system.
4 Sample collected from the domestic well, post pressure and treatment system.

TABLE 2
Historical Groundwater Gradient and Flow Direction

Date Monitored	Gradient (foot/foot)	Flow Direction
8/31/95	0.003	West
12/5/95	0.001	Southwest
3/5/96	0.009	Northwest
6/5/96	0.006	West/Northwest
12/13/96	0.008	Northwest
6/23/97	0.003	West
1/15/98	0.009	Northwest
7/20/98	0.001	West/Northwest
2/1/99	0.007	Northwest
8/12/99	0.006	West/Northwest
2/1/00	0.008	Northwest
7/28/00	0.008	West
1/26/01	0.008	North/Northwest
9/28/01	0.006	West/Northwest
3/12/02	0.004	Northwest
9/16/02	0.006	West/Northwest
2/13/03	0.001	Northwest
6/26/03	0.003	Southwest
2/10/04	0.01-0.02	Northwest - Northeast
9/9/04	0.0026	West
2/22/05	0.017	Southwest-South
7/25/05	0.01-0.002	Southwest-South
1/11/06	0.004 - 0.007	Southwest-South
6/13/06	0.002	West-Southwest

Notes: Groundwater Gradient and Flow directions prior to 6/26/2003 were adjusted according to the resurveyed elevations.

07/17/03

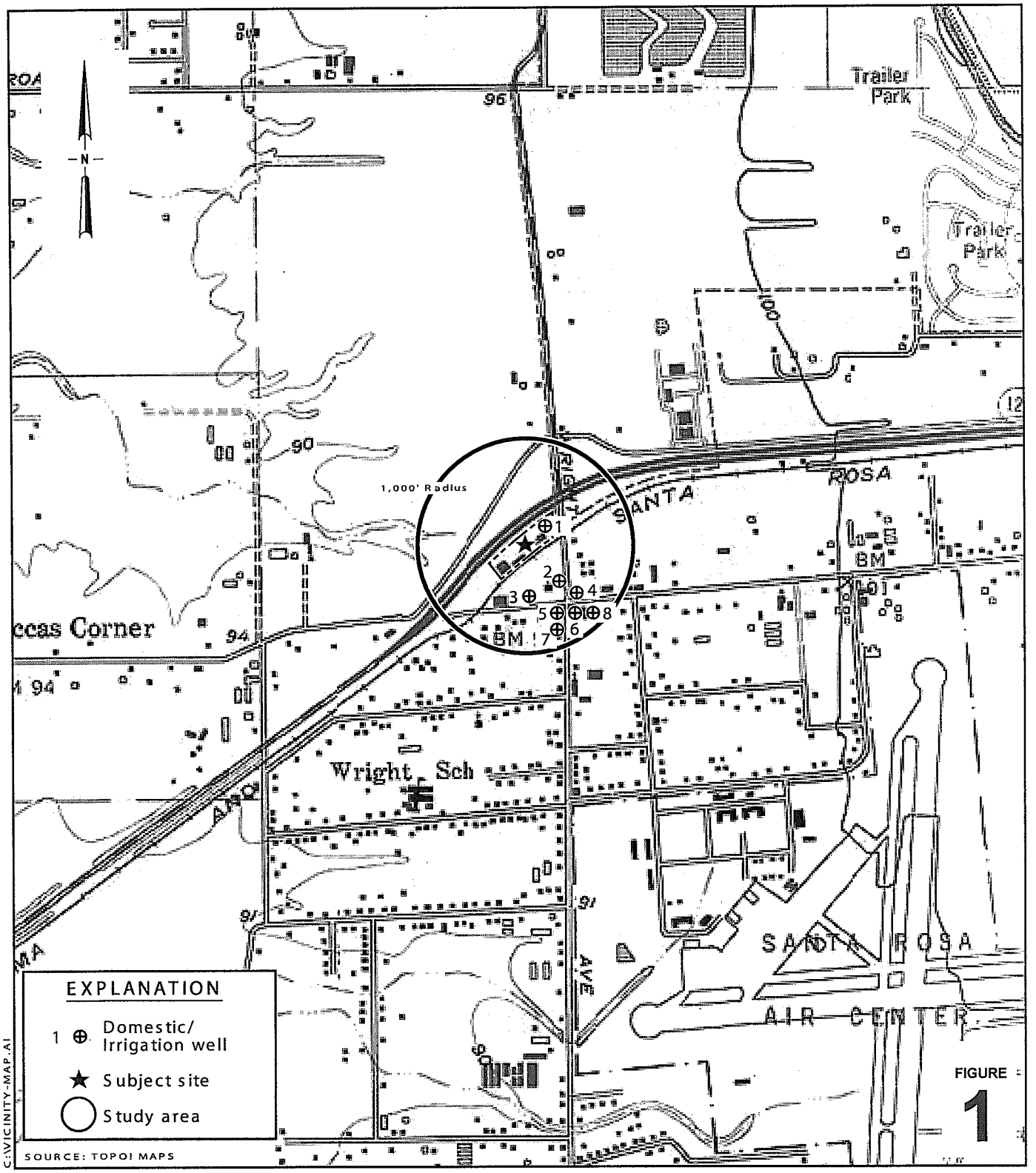

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Vicinity Map

879 Wright Road

Santa Rosa, California

1,000 Foot Radius

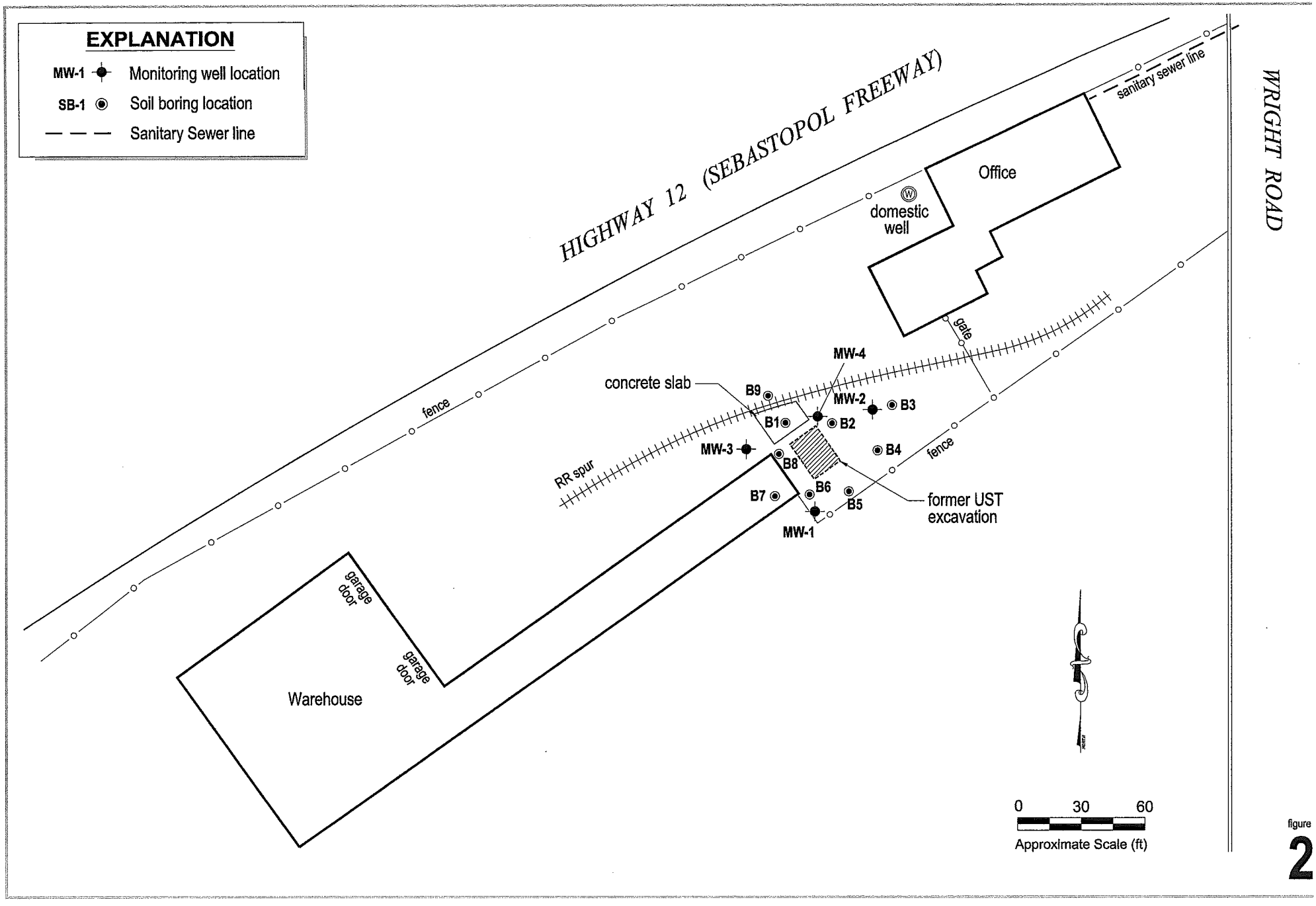

figure
2

Site Pl

879 Wright Road
Santa Rosa, California

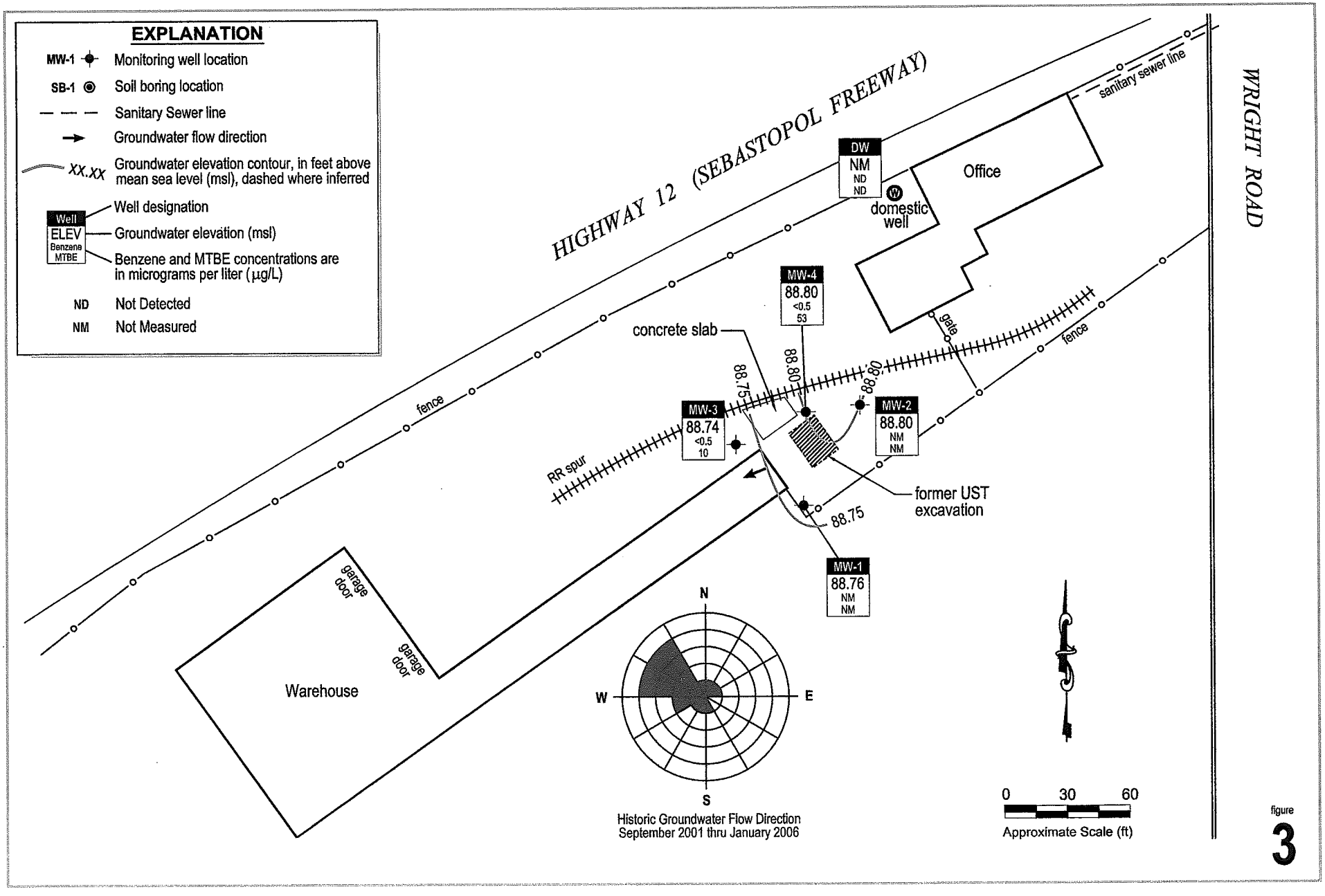

figure
3

Groundwater Contour Map

879 Wright Road
Santa Rosa, California

June 13, 2006

ATTACHMENT A

GROUNDWATER MONITORING FIELD DATA SHEETS

WELLHEAD INSPECTION CHECKLIST

Client Misty Kaltreider Date 6-13-06

Site Address 879 Wright Rd Santa Rosa

Job Number 060613-BP3 Technician B Prowd

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1		X						
MW-2	X							
MW-3		X						
MW-4	X							
Domestic	X							

NOTES:

WELL GAUGING DATA

Project # 060613-BP3 Date 6-13-06 Client Misty Kaltrieder

Site 879 Wright Rd Santa Rosa

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					4.80	13.95		
MW-2	2					4.67	19.25		
MW-3	2					4.38	14.35		
MW-4	2					5.06	17.35		
Domestic	4					5.57	—		

WELL MONITORING DATA SHEET

BTS #: 060613-BP3	Client: Misty Kaltreider
Sampler: Brian Prowd	Date: 6/13/2006
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 14.35	Depth to Water (DTW): 4.38
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.37	

Purge Method: Bailer / Disposable Bailer ✓ / Postive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer ✓ / Extraction Port / Dedicated Tubing / Other: _____

1.6 (Gals.) X 3 = 4.8 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~µS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1359	65.7	6.5	1036	7000	2.0	
1401	64.7	6.6	1029	7000	3.5	
1403	64.4	6.6	1030	7000	5.0	

Did well dewater? Yes (No) Gallons actually evacuated: 5.0

Sampling Date: 6-13-06 Sampling Time: 1410 Depth to Water: 4.38

Sample I.D.: MW-3 Laboratory: KIFF

Analyzed for: TPH-G BTEX MTBE TPH-D OXY's Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

BTS #: 060613-BP3	Client: Misty Kaltreider
Sampler: Brian Prowd	Date: 6/13/2006
Well I.D.: mw-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 17.35	Depth to Water (DTW): 5.06
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.52	

Purge Method: Bailer / Disposable Bailer (✓) / Postive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer (✓) / Extraction Port / Dedicated Tubing / Other: _____

2.0 (Gals.) X 3 = 5.9 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1414	67.3	6.6	1126	>1000	2.0	
1416	67.2	6.6	1152	>1000	4.0	
1418	67.2	6.6	1173	>1000	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 6-13-06 Sampling Time: 1420 Depth to Water: 5.07

Sample I.D.: mw-4 Laboratory: KIFF

Analyzed for: TPH-G BTEX MTBE TPH-D OXY's Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

BTS #: 060613-BP3	Client: Misty Kaltreider
Sampler: Brian Prowd	Date: 6/13/2006
Well I.D.: Domestic well	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 5.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Postive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump ✓ / Other_____

Sampling Method: Bailer / Disposable Bailer / Extraction Port ✓ / Dedicated Tubing / Other: _____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1430	81.6	7.0	697	5	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 6-13-06 Sampling Time: 1430 Depth to Water: —

Sample I.D.: Domestic well Pre Laboratory: KIFF

Analyzed for: TPH-G BTEX MTBE TPH-D OXY's Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

PURGE DRUM INVENTORY LOG

CLIENT Misty Kaltreider

SITE ADDRESS 879 Wright St Santa Rosa

STATUS OF DRUM(S) UPON ARRIVAL							
Number of drum(s) empty:	1						
Number of drum(s) 1/4 full:							
Number of drum(s) 1/2 full:							
Number of drum(s) 3/4 full:							
Number of drum(s) full:	5						
Total drum(s) on site:	5						
STATUS OF DRUM(S) UPON DEPARTURE							
Number of drum(s) empty:							
Number of drum(s) 1/4 full:	1						
Number of drum(s) 1/2 full:							
Number of drum(s) 3/4 full:							
Number of drum(s) full:	5						
Total drum(s) on site:	6						
LOCATION OF DRUM(S)							
Is/Are drum(s) at wellhead(s)?	No						
Describe location if drum(s) is/are located elsewhere:	Behind the warehouse						
Label drum(s) properly:	yes						
FINAL STATUS							
Number of new drum(s) left on site this event:	1						
Date of inspection:	6-13-06						
Logged by BTS Field Technician:	BC						
Office reviewed by:	SH 6-15-06						

ATTACHMENT B

ANALYTICAL RESULTS

KIFF Analytical LLC

Report Number : 50561
Date : 6/19/2006

Misty Kaltreider
Bay Consulting Services
41 Sea Breeze Ct.
Napa, CA 94559

Subject : 3 Water Samples
Project Name : 879 Wright Rd. Santa Rosa, CA
Project Number : 060613-BP3

Dear Ms. Kaltreider,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 50561

Date : 6/19/2006

Project Name : **879 Wright Rd. Santa Rosa, CA**

Project Number : **060613-BP3**

Sample : **MW-3** Matrix : Water Lab Number : 50561-01

Sample Date :6/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Methyl-t-butyl ether (MTBE)	**10**	0.50	ug/L	EPA 8260B	6/16/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	6/16/2006
TPH as Gasoline	**160**	50	ug/L	EPA 8260B	6/16/2006
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	6/16/2006
4-Bromofluorobenzene (Surr)	99.2		% Recovery	EPA 8260B	6/16/2006

Approved By: Joel Kiff

KIFF Analytical LLC

Report Number : 50561

Date : 6/19/2006

Project Name : **879 Wright Rd. Santa Rosa, CA**

Project Number : **060613-BP3**

Sample : **MW-4** Matrix : Water Lab Number : 50561-02

Sample Date :6/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Methyl-t-butyl ether (MTBE)	**53**	0.50	ug/L	EPA 8260B	6/16/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Tert-Butanol	**55**	5.0	ug/L	EPA 8260B	6/16/2006
TPH as Gasoline	**100**	50	ug/L	EPA 8260B	6/16/2006
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	6/16/2006
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	6/16/2006

Approved By: Joel Kiff

KIFF Analytical LLC

Report Number : 50561

Date : 6/19/2006

Project Name : **879 Wright Rd. Santa Rosa, CA**

Project Number : **060613-BP3**

Sample : **Domestic Well Pre** Matrix : Water Lab Number : 50561-03

Sample Date :6/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/16/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	6/16/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	6/16/2006
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	6/16/2006
4-Bromofluorobenzene (Surr)	89.4		% Recovery	EPA 8260B	6/16/2006

Approved By: Joel Kiff

Report Number : 50561

Date : 6/19/2006

QC Report : Method Blank Data

Project Name : **879 Wright Rd. Santa Rosa, CA**

Project Number : **060613-BP3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/16/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/16/2006
Toluene - d8 (Surr)	98.3		%	EPA 8260B	6/16/2006
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	6/16/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/16/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/16/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/16/2006
Toluene - d8 (Surr)	98.8		%	EPA 8260B	6/16/2006
4-Bromofluorobenzene (Surr)	91.6		%	EPA 8260B	6/16/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis. CA 95616 530-297-4800

Report Number : 50561

Date : 6/19/2006

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **879 Wright Rd. Santa**

Project Number : **060613-BP3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	50588-01	<0.50	40.0	40.0	40.8	39.8	ug/L	EPA 8260B	6/16/06	102	99.6	2.47	70-130	25
Toluene	50588-01	<0.50	40.0	40.0	41.6	40.2	ug/L	EPA 8260B	6/16/06	104	101	3.40	70-130	25
Tert-Butanol	50588-01	<5.0	200	200	212	211	ug/L	EPA 8260B	6/16/06	106	105	0.457	70-130	25
Methyl-t-Butyl Ether	50588-01	<0.50	40.0	40.0	42.7	42.3	ug/L	EPA 8260B	6/16/06	107	106	1.03	70-130	25
Benzene	50561-03	<0.50	40.0	40.0	42.6	41.7	ug/L	EPA 8260B	6/16/06	106	104	2.14	70-130	25
Toluene	50561-03	<0.50	40.0	40.0	40.7	40.0	ug/L	EPA 8260B	6/16/06	102	100	1.61	70-130	25
Tert-Butanol	50561-03	<5.0	200	200	199	205	ug/L	EPA 8260B	6/16/06	99.7	102	2.81	70-130	25
Methyl-t-Butyl Ether	50561-03	<0.50	40.0	40.0	38.2	37.1	ug/L	EPA 8260B	6/16/06	95.5	92.7	3.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 50561

Date : 6/19/2006

QC Report : Laboratory Control Sample (LCS)

Project Name : **879 Wright Rd. Santa**

Project Number : **060613-BP3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	6/16/06	101	70-130
Toluene	40.0	ug/L	EPA 8260B	6/16/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/16/06	105	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/16/06	103	70-130
Benzene	40.0	ug/L	EPA 8260B	6/16/06	101	70-130
Toluene	40.0	ug/L	EPA 8260B	6/16/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/16/06	94.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/16/06	91.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis, CA 95616 530-297-4800

Kiff Analytical LLC
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 50561

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Misty Kaltreider

California EDF Report? ☑ Yes ☐ No

Company / Address: Bay Consulting Services

Sampling Company Log Code: BTSR

Phone #: 707.252.2107 | Fax #: 707.254.9886

Global ID: T0609700415

Project #: 060623-BP3 | P.O. #:

EDF Deliverable To (Email Address): bayconsulting@sbcglobal.net

Project Name: 9 Wright Rd. Santa Rosa, CA

Sampler Signature: [signature]

Project Address:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None			Matrix: Water	Soil	Air		MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	MTBE, TBA, DIPE (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT	For Lab Use Only
																																			☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 1 wk	
MW-3	6-13	1410	3						x					x						x	x	x													1 wk	01
MW-4	↓	1420	3						x					x						x	x	x													1 wk	02
Domestic Well Pre		1430	3						x					x						x	x	x													1 wk	03
			3						x					x						x	x	x													1 wk	

Relinquished by:	Date	Time	Received by:
[signature]			
	061406	1336 ADG	Received by Laboratory: Kiff Analytical [signature]

Remarks:

Bill to: Misty Kaltreider

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.0	ADG	061406	1335	IR-4	(Yes) / No

Distribution: White - Lab; Pink - Originator
051805