BLUE ROCK
ENVIRONMENTAL, INC.

Mr. Bob Stone
Environmental Health Specialist
Humboldt County Division of Environmental Health
100 H Street, Suite 100
Eureka, CA, 95501

May 16, 2006

Re: **Second Quarter 2006 Groundwater Monitoring & Groundwater Extraction System Report**
Dave's 76
1666 Main Street
Fortuna, California
LOP #12708
Project # NC-20

Dear Mr. Stone,

This report presents the results of the Second Quarter 2006 groundwater monitoring activities and groundwater extraction system operations at 1666 Main Street, Fortuna, Humboldt County, California (site) (Figure 1), and was prepared for Mr. David Ansley by Blue Rock Environmental, Inc. (Blue Rock).

Background

Site Description
The site is located on Main Street in the City of Fortuna, Humboldt County, California one block north west of the intersection of Main Street and South Fortuna Boulevard (Figure 1). The site is an active service station constructed in 1958 that sells gasoline and diesel fuel. Onsite improvements consist of a single story building, two dispenser islands and three double wall fiberglass wrapped underground storage tanks (UST). The tank complex contains one 6,000-gallon UST storing premium gasoline, one 12,000-gallon UST storing regular gasoline and one 6,000-gallon diesel UST utilizing four fuel dispensers. Water and sewer services at the site are provided by public utilities. The site is paved with asphalt with the exception of the northwest corner in the vicinity of the former waste oil UST.

Site History
In 1995, one waste oil UST was removed by the station owner. Soil and groundwater samples were not collected by the owner. In March 1999, three 6,000-gallon gasoline USTs located in a complex at the eastern end of the property, and one 2,000-gallon diesel UST located approximately 5 feet west of the south fuel dispenser island were removed by Beacom Construction of Fortuna, California. The removed USTs were replaced with the previously mentioned current UST system.

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During UST excavation activities of March 1999, visibly contaminated soil was removed through over excavation of the tank pits which formerly contained the diesel and gasoline USTs. Approximately 450 cubic yards of petroleum contaminated soil were removed from the excavations. The soil was stockpiled on site and covered with plastic sheeting. Analytical results of samples collected from the excavations confirmed the presence of gasoline and diesel range hydrocarbons in the soil and groundwater.

The excavation was deepened below first encountered groundwater. Groundwater was encountered in the excavations at a depth of approximately 5.5 feet below ground surface (bgs). Groundwater was pumped from the excavation into an onsite holding tank. In April 1999, Clearwater Group (Clearwater) installed an aeration system onsite and groundwater in the holding tank was aerated by pumping air into the standing water. This was performed to volatilize some of the existing hydrocarbons prior to offsite disposal. Aerated groundwater was subsequently disposed of offsite by a licensed contractor. As previously mentioned, the new USTs were installed in the existing excavation. The excavation associated with the diesel UST was subsequently backfilled with clean imported gravel.

Site Investigation and Corrective Action History

In September 2000, Clearwater supervised Denbeste Trucking of Windsor, California in the removal of soil generated during the over excavation activities of March 1999. Approximately 724 tons of petroleum impacted soil was transported to Forward Inc. in Manteca, California. Soil below the former stockpile was sampled per Humboldt County Division of Environmental Health (HCDEH) requirements.

On January 8, 9, and 12, 2001, Clearwater supervised Clearheart Drilling of Santa Rosa, California in the drilling of 11 soil borings. On February 14, 2001, three 2-inch monitoring wells (MW-1 to MW-3) were installed in accordance with Clearwater's *Revised Subsurface Investigation Workplan* dated November 3, 1999. Well construction details are presented in Table 2. Data collected during this phase of investigation confirmed the presence of gasoline, diesel and motor oil range hydrocarbons in soil and groundwater at the subject site. Results of the subsurface investigation are presented in Clearwater's *Subsurface Investigation Report* dated March 22, 2001. Historical monitoring well construction data are summarized in Table 1.

On November 15, 2001, Clearwater supervised Mitchell Drilling Environmental (MDE) of Rancho Cordova, California in the installation of five 2-inch diameter monitoring wells (MW-4, through MW-8) in accordance with Clearwater's *Plume Delineation Workplan / Sensitive Receptor Survey* dated July 19, 2001. Results of the subsurface investigation are presented in Clearwater's *Additional Investigation and Fourth Quarter 2001 Quarterly Monitoring Report* dated January 10, 2002.

On June 10, 2002, Clearwater supervised MDE in the installation of four 2-inch diameter monitoring wells (MW-9, through MW-12) in accordance with Clearwater's *Workplan for Additional Investigation* dated April 8, 2002. Results of the subsurface investigation are

presented in Clearwater's *Additional Investigation and Second Quarter 2002 Quarterly Monitoring Report* dated July 31, 2002.

On October 11, 2002, Clearwater supervised MDE in the installation of two 2-inch diameter monitoring wells (MW-13 and MW-14) in accordance with Clearwater's *Workplan for Additional Investigation* dated August 30, 2002. Results of the subsurface investigation are presented in Clearwater's *Additional Investigation and Fourth Quarter 2002 Quarterly Monitoring Report* dated November 25, 2002.

In accordance with Clearwater's *Workplan for Additional Investigation* dated February 20, 2003, Clearwater supervised MDE in drilling four 8-inch diameter soil borings on June 10, 2003 (MW-15 through MW-18). Results of the subsurface investigation are presented in Clearwater's *Additional Investigation and Third Quarter 2003 Groundwater Monitoring Report* dated August 5, 2003.

On February 11, 2004, Clearwater submitted a *Corrective Action Plan* (CAP) to the HCDEH. In a letter dated February 23, 2004 the HCDEH concurred with the proposed remedial action contained in the CAP. In the letter, the HCDEH recommended abandonment of MW-1, MW-2, and MW-4 prior to implementation of the proposed excavation activities. In May 2004, Blue Rock was retained by Mr. Ansley to continue site work. MW-1, MW-2, and MW-4 were destroyed per HCDEH request in June 2004.

Between the dates of October 19 and October 29, 2004, Blue Rock and Van Meter Construction completed remedial activities associated with the removal and disposal of 790 tons of contaminated soil and approximately 4,000 gallons of groundwater associated with the former UST fuel system at the subject site. Blue also installed one groundwater extraction trench for future connection to a remedial compound.

On October 22, 2004, Blue Rock proposed to relocate the position of proposed extraction trench EX-1. The proposed change was based on subsurface conditions, logistics and cost. The HCDEH concurred with this proposal in a letter dated October 26, 2004. Upon completion of the excavation activities described above Blue Rock prepared and submitted a *Remedial Report of Findings* dated November 12, 2004.

On December 20, 2004 Blue Rock performed a constant discharge aquifer test on EX-1 to determine specifications for the groundwater extraction system proposed in the *CAP* dated February 11, 2004 prepared by Clearwater. Blue Rock subsequently prepared and submitted a *Constant Discharge Aquifer Test and Groundwater Extraction Treatment System Design Report* dated February 3, 2005. The groundwater extraction treatment system design was approved by the HCDEH in a letter dated February 24, 2005

On March 9 and 10, 2005, Blue Rock supervised Sustainable Technologies of Alameda, California install the approved skid mounted groundwater extraction system. The GWE system installation was documented with the submittal of Blue Rock's *Groundwater Extraction*

Treatment System Installation Report dated March 31, 2005. Startup of the groundwater extraction / treatment (GWE) system was commenced on September 6, 2005.

Field and Laboratory Activities

Groundwater Monitoring Activities

On April 5, 2006, 15 wells (MW-3 and MW-5 through MW-18) were gauged and sampled. Prior to sampling, an electronic water level indicator was used to gauge depth to water in each well, accurate to within ±0.01-foot. All wells were checked for the presence of light non-aqueous phase liquid (LNAPL) petroleum prior to purging. No measurable thicknesses of LNAPL were observed on groundwater in any of the wells.

In preparation for sampling, the wells were purged of groundwater until sampling parameters (temperature, pH, and conductivity) stabilized. Following recovery of water levels to approximately 80% of their static levels, groundwater samples were collected from the wells using disposable polyethylene bailers and transferred to laboratory supplied containers. Sample containers were labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.

Purging instruments were cleaned between use by an Alconox® wash followed by double rinse in clean tap water to prevent cross-contamination. Purge and rinseate water was stored on-site in labeled 55-gallon drums pending future removal and disposal.

Groundwater monitoring and well purging information is presented on Gauge Data/Purge Calculations and Purge Data sheets (attached).

Groundwater Sample Analyses

Groundwater samples were analyzed by Kiff Analytical (Kiff), a DHS-certified laboratory, located in Davis, California, for the following analytes:

- TPHd by EPA Method 8015M (silica gel cleanup)
- TPHg, BTEX, MTBE by EPA Method 8260B
- TPHmo by EPA Method 8015M (silica gel cleanup) (MW-8 only)

Groundwater Monitoring Results

Groundwater Flow Direction and Gradient

Static groundwater in the wells was present beneath the site at depths ranging from approximately 0.50 (MW-8) to 8.51 (MW-5) feet bgs, while the groundwater extraction system was active. Gauging data, combined with well elevation data, were used to calculate groundwater elevation, and to generate a groundwater elevation and gradient map (Figure 3).

Based on groundwater elevation data collected during this monitoring event, it appears groundwater extraction from EX-1 has created a capture zone of at least 75 feet downgradient (south) of the former USTs (Figure 3). This empirical capture zone correlates well with the estimated downgradient capture zone of 60 feet by Blue Rock in their *Constant Discharge Aquifer Test and Groundwater Extraction Treatment System Design Report* dated February 4, 2005. Groundwater in the area south of the site, beyond the capture zone, has generally displayed a southerly flow regime; however, it a low gradient northerly flow direction was observed during this event. This could indicate a "losing stream" condition of Rohner Creek at the end of the rainy season.

Groundwater Analytical Results

LNAPL:	None
TPHg concentration:	<50 µg/L (14 wells) to 5,800 µg/L (MW-7)
TPHd concentration:	<50 g/L (14 wells) to <2,000 µg/L (MW-7)
MTBE concentration:	<0.5 µg/L (2 wells) to 730 µg/L (MW-7)
Benzene concentration:	<0.5µg/L (14 wells) to 98 µg/L (MW-7)

Groundwater sample analytical results are shown graphically on Figures 4, 5, and 6. Cumulative groundwater sample analytical results are summarized in Table 2. Copies of the laboratory report and chain-of-custody form are attached.

Groundwater Extraction System Startup and Operations

Groundwater Extraction/Treatment System Startup

Startup of the groundwater extraction / treatment (GWE) system was commenced on September 6, 2005. Startup consisted of the initiation of pumping groundwater from extraction well EX-1. Following startup, the system was monitored and subsequently adjusted to maximize the pumping rate from EX-1. In accordance with the North Coast Unified Air Quality Management District (NCUAQMD) Authority to Construct Permit # NAC 472, air above the treated water discharge point was collected and analyzed for TPHg, BTEX and MTBE.

Operational Data - Groundwater Extraction/Treatment System

Extracted groundwater is treated by passing it through two liquid-phase carbon vessels arranged in series (Figure 7). The electric pump is set at depth of approximately 16.5 feet bgs (2.5 feet off the bottom of EX-1). The low and high water switches for the pump are placed at approximately 15 and 16 feet bgs, which maximizes drawdown in EX-1, without allowing the water level to drop below the pump inlet. The pump cycles on and off between these depths. Influent samples are collected at sample port (Influent), located before the 300 gallon transfer tank (Table 3). Effluent samples are collected at a sample port (Effluent), located downstream of the second carbon vessel (Table 3). Treated groundwater is then discharged to the sanitary sewer located in the remedial compound. The groundwater treatment system is operated in accordance with the Fortuna Public Works Department.

The following is a summary of operational data pertaining to the groundwater extraction / treatment system:

- GWE system started: 9/6/05
- Monitoring events this period: 2/4/06, 3/17/06, 4/4/06
- Total effluent discharge: 366,340 gals (since startup in 9/6/05)
- Effluent discharge this period: 216,960 gals
- Operational depth to water in EX-1: ~15 to ~16 feet bgs
- Total TPHg mass recovery: 0.71 lb. to date (Table 4)
- TPHg mass recovery this period: 0.27 lb. (Table 4)

System Status - Groundwater Extraction/Treatment System

Groundwater has been extracted from extraction basin EX-1 since initial startup on September 6, 2005. Effluent water samples collected were below laboratory detection limits for all analytes with the exception of MTBE detected at a concentration of 0.76 µg/L on April 4, 2006. Blue Rock will continue to evaluate breakthrough of MTBE in the system effluent and change out the carbon as necessary. Air samples collected per the NCUAQMD permit were below detection limits for all analytes (Table 5). Based on the groundwater elevation data collected during the previous event, it appears that operation of the GWE is producing a zone of capture, which extends approximately 75 feet downgradient of the former USTs.

Project Status and Recommendations

- The site is currently being monitored on a quarterly basis per the HCDEH directives. The next quarterly sampling event is scheduled for June 2006. Groundwater samples will be analyzed for TPHg, TPHd, BTEX and MTBE (all wells) and TPHmo (MW-8 only).

- Currently, the groundwater extraction system is operating as designed, controlling the downgradient migration of, and recovering, dissolved-phase petroleum hydrocarbons. Operation of the GWE system should continue. At a minimum, the system will be monitored and sampled on a monthly basis.

- Blue Rock will continue to evaluate the breakthrough of MTBE in the system effluent (0.76 µg/L on April 4, 2006) and will schedule a change out of carbon prior to approaching the limit of 200 mg/L "strength factor" per the City of Fortuna discharge permit.

Certification

This report was prepared under the supervision of a California Professional Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock or others. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions regarding this project, please contact us at (707) 441-1934.

Sincerely,
Blue Rock Environmental, Inc.

Prepared by:

Andrew LoCicero
Project Scientist

Reviewed by:

Brian Gwinn, PG
Principal Geologist

PROFESSIONAL GEOLOGIST
BRIAN M. GWINN
No 6505
exp. 4/30/07
STATE OF CALIFORNIA

Attachments:

Table 1: Monitoring Well Construction Details
Table 2: Groundwater Elevation and Analytical Data
Table 3: Groundwater Extraction System Analytical Results
Table 4: Cumulative Hydrocarbon Recovery from Groundwater
Table 5: Groundwater Extraction System Discharge Air Analytical Results

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Groundwater Elevations and Gradient – 4/5/06
Figure 4: Dissolved - Phase TPHg Distribution – 4/5/06 – 4/6/06
Figure 5: Dissolved - Phase MTBE Distribution – 4/5/06 – 4/6/06
Figure 6: Dissolved - Phase Benzene Distribution – 4/5/06 – 4/6/06
Figure 7: Groundwater Extraction System Schematic

Blue Rock Gauge/Purge Calculations and Well Purging Data field sheets
Laboratory Analytical Report and Chain-of-Custody Form
NCUAQMD Authority to Construct Permit

cc:

Mr. Dave Ansley
1666 Main Street
Fortuna, CA 95540

Mr. Al Steer
Air Source Permit Manager
NCUAQMD
2300 Myrtle Ave.
Eureka, CA 95501

Table 1
Monitoring Well Construction Details
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC - 20

Monitoring Well Identification	Date Installed	Installed by	Casing Diameter (inches)	Total Depth (feet)	Blank Interval (feet)	Screened Interval (feet)	Slot Size (inches)	Filter Pack (feet)	Bentonite Seal (feet)	Cement (feet)
MW-1 (Destroyed)	2/14/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-2 (Destroyed)	2/14/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-3	2/14/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-4 (Destroyed)	11/15/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-5	11/15/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-6	11/15/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-7	11/15/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-8	11/15/01	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-9	6/10/02	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-10	6/10/02	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-11	6/10/02	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-12	6/10/02	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-13	10/11/02	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-14	10/11/02	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-15	6/10/03	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-16	6/10/03	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-17	6/10/03	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
MW-18	6/10/03	Clearwater	2	25	0-5	5-25	0.02	4-25	2-4	0-2
EX-1	10/04	Blue Rock	4	19	0-7	7-19	installed in gravel fill of remedial excavation			

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-1	2/21/01	98.89	9.10	0.00	89.79	7,510	1,790	<50	3,240	90.1	437	440	4,000	<500	<0.5	<0.5	<0.5	--	--
Screen	5/4/01	98.89	8.97	0.00	89.92	14,000	<2,000	<100	2,800	170	990	1,000	3,900	860	<10	<10	25	--	--
5' - 25'	8/3/01	98.89	11.47	0.00	87.42	20,000	<2,000	<100	2,400	150	1,200	1,300	2,900	690	<10	<10	33	--	--
	11/28/01	98.89	8.95	0.00	89.94	29,000	<4,500	<100	1,200	210	1,800	3,000	990	310	<10	<10	<10	<6,300	<100
	1/14/02	98.89	6.69	0.00	92.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/21/02	98.89	7.02	0.00	91.87	43,000	<3,800	<100	1,300	130	1,200	2,100	1,200	330	<5	<5	7.5	<3,100	<50
	3/19/02	98.89	7.26	0.00	91.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	98.89	7.95	0.00	90.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	65.81	9.96	0.00	55.85	16,000	<2,500	790	1,400	79	710	1,000	1,400	360	<5	<5	9.6	<500	<100
	10/24/02	65.81	13.36	0.12	52.45	SPH Present No Sample Taken													
	1/23/03	65.81	8.69	0.00	57.12	22,000	<2,000	--	1,200	85	940	1,000	1,400	390	<5	<5	11	<500	<50
	4/16/03	65.81	8.15	0.00	57.66	11,000	<2,000	--	920	36	290	260	1,200	290	<5	<5	10	<500	<50
	7/7/03	65.81	10.71	0.00	55.10	15,000	<3,000	--	980	56	620	670	1,100	330	<5	<5	11	<500	<50
	10/15/03	65.81	13.79	0.00	52.02	9,000	<3,000	--	920	30	360	290	1,600	480	<5	<5	20	<500	<50
	1/29/04	65.81	8.89	0.00	56.92	11,000	<3,000	--	800	34	480	380	880	240	<2.5	<2.5	7.6	<250	<25
	4/12/04	65.81	9.56	0.00	56.25	11,000	<3,000	--	690	32	450	390	810	240	<2.5	<2.5	7.4	<250	<25
	7/6/04					Well destroyed in preparation for excavation activities													
MW-2	2/21/01	97.79	8.95	0.00	88.84	7,550	1,440	<50	2,770	226	336	758	4,170	<1,000	<10	<10	<10	--	--
Screen	5/4/01	97.79	8.98	0.00	88.81	8,300	<1,500	<100	1,800	170	180	630	2,600	1,100	<5	<5	72	--	--
5' - 25'	8/3/01	97.79	11.10	0.00	86.69	16,000	<1,500	<100	1,600	440	290	1,700	2,800	1,200	<5	<5	83	--	--
	11/28/01	97.79	8.55	0.00	89.24	7,300	<1,300	<100	630	72	230	400	950	580	<2.5	<2.5	40	<3,900	<25
	1/14/02	97.79	6.79	0.00	91.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/21/02	97.79	7.13	0.00	90.66	5,100	<500	<100	750	41	140	220	1,400	530	<2.5	<2.5	43	<3,600	<25
	3/19/02	97.79	7.27	0.00	90.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	97.79	8.22	0.00	89.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	64.70	9.94	0.00	54.76	20,000	<3,500	<200	530	260	180	1,800	1,000	500	<2.5	<2.5	44	<500	<50
	10/24/02	64.70	12.68	0.09	52.02	SPH Present No Sample Taken													
	1/23/03	64.70	8.91	0.00	55.79	11,000	<5,000	--	270	22	170	340	1,600	630	<2.5	<2.5	55	<250	<25
	4/16/03	64.70	8.20	0.00	56.50	5,900	<3,000	--	240	13	160	120	1,400	550	<5	<5	49	<500	<50
	7/7/03	64.70	10.48	0.00	54.22	9,000	<3,000	--	280	68	210	560	1,100	450	<2.5	<2.5	40	<250	<25
	10/15/03	64.70	13.08	0.00	51.62	8,800	<3,000	--	300	41	270	420	1,100	480	<2.5	<2.5	41	<250	<25
	1/29/04	64.70	8.88	0.00	55.82	6,400	<2,000	--	240	17	170	230	810	360	<2	<2	30	<200	<20
	4/12/04	64.70	9.63	0.00	55.07	4,700	<2,000	--	190	18	140	190	640	250	<1.5	<1.5	22	<150	<15
	7/6/04					Well destroyed in preparation for excavation activities													

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-3	2/21/01	99.33	7.07	0.00	92.26	<50	<50	<50	<0.3	<0.3	<0.3	<0.6	<2.0	<500	<0.5	<0.5	<0.5	--	--
Screen	5/4/01	99.33	7.20	0.00	92.13	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**7.6**	<500	<0.5	<0.5	<0.5	--	--
5' - 25'	8/3/01	99.33	8.99	0.00	90.34	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**16**	<5	<0.5	<0.5	**2.7**	--	--
	11/28/01	99.33	7.40	0.00	91.93	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**12**	<5	<0.5	<0.5	**3.5**	<120	<5
	1/14/02	99.33	5.34	0.00	93.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/21/02	99.33	6.47	0.00	92.86	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**6.8**	<5	<0.5	<0.5	**1.2**	<50	<5
	3/19/02	99.33	6.58	0.00	92.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	99.33	7.50	0.00	91.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	66.24	9.35	0.00	56.89	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**3.3**	<5	<0.5	<0.5	<0.5	<50	<5
	10/24/02	66.24	13.73	0.00	52.51	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**5.6**	<5	<0.5	<0.5	<0.5	<50	<5
	1/23/03	66.24	8.26	0.00	57.98	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**2.9**	<5	<0.5	<0.5	<0.5	<50	<5
	4/16/03	66.24	7.80	0.00	58.44	<50	**200**	--	<0.5	<0.5	<0.5	<0.5	**1.9**	<5	<0.5	<0.5	<0.5	<50	<5
	7/7/03	66.24	10.78	0.00	55.46	<50	**68**	--	<0.5	<0.5	<0.5	<0.5	**1.6**	<5	<0.5	<0.5	<0.5	<50	<5
	10/15/03	66.24	14.55	0.00	51.69	<50	**85**	--	<0.5	<0.5	<0.5	<0.5	**2.0**	<5	<0.5	<0.5	<0.5	<50	<5
	1/29/04	66.24	8.49	0.00	57.75	<50	**96**	--	<0.5	<0.5	<0.5	<0.5	**1.7**	<5	<0.5	<0.5	<0.5	<50	<5
	4/12/04	66.24	9.40	0.00	56.84	<50	**97**	--	<0.5	<0.5	<0.5	<0.5	**1.2**	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	66.24	11.67	0.00	54.57	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**1.4**	<5	<0.5	<0.5	<0.5	<50	<5
	10/4/04	66.24	13.59	0.00	52.65	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**1.5**	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	66.24	8.76	0.00	57.48	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.93**	<5	<0.5	<0.5	<0.5	--	--
	4/27/05	66.24	8.47	0.00	57.77	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.77**	<5	<0.5	<0.5	<0.5	--	--
	7/11/05	66.24	9.82	0.00	56.42	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.64**	--	--	--	--	--	--
	10/13/05	66.24	14.34	0.00	51.90	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.78**	--	--	--	--	--	--
	1/4/06	66.24	8.41	0.00	57.83	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.74**	--	--	--	--	--	--
	4/5/06	66.24	9.68	0.00	56.56	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.62**	--	--	--	--	--	--
MW-4	11/28/01	98.60	9.05	0.00	89.55	**3,000**	<700	<100	**46**	**2.1**	**37**	**87**	**140**	**34**	<0.5	<0.5	<0.5	<50	<5
Screen	1/14/02	98.60	6.39	0.00	92.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5' - 25'	2/21/02	98.60	6.55	0.00	92.05	**14,000**	<1,200	<100	**67**	**6.8**	**170**	**170**	**160**	**41**	<2	<2	<2	<300	<20
	3/19/02	98.60	7.01	0.00	91.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	98.60	7.42	0.00	91.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	65.51	9.45	0.00	56.06	**3,700**	<1,000	<100	**24**	**2**	**48**	**27**	**120**	**28**	<0.5	<0.5	<0.5	<50	<10
	10/24/02	65.51	12.93	0.00	52.58	**1,900**	<400	--	**16**	**1.1**	**9.1**	**6**	**82**	**18**	<0.5	<0.5	<0.5	<100	<5
	1/23/03	65.51	8.33	0.00	57.18	**3,300**	<1,000	--	**12**	**1.1**	**41**	**14**	**160**	**30**	<0.5	<0.5	<0.5	<50	<5
	4/16/03	65.51	8.01	0.00	57.50	**4,300**	<1,000	--	**7.5**	**2**	**110**	**29**	**58**	**8.8**	<0.5	<0.5	<0.5	<50	<15
	7/7/03	65.51	10.25	0.00	55.26	**2,000**	<500	--	**3.5**	**1.1**	**27**	**6.5**	**77**	**9.9**	<0.5	<0.5	<0.5	<50	<5
	10/15/03	65.51	13.46	0.00	52.05	**1,200**	<300	--	**2.2**	**0.5**	**13**	**2.7**	**33**	<5	<0.5	<0.5	<0.5	<50	<5
	1/29/04	65.51	8.38	0.00	57.13	**1,800**	<600	--	**1.7**	**0.71**	**15**	**4.5**	**73**	**7.9**	<0.5	<0.5	<0.5	<50	<8
	4/12/04	65.51	8.99	0.00	56.52	**2,900**	<1,500	--	**1.2**	**1.3**	**24**	**8.3**	**29**	<5	<0.5	<0.5	<0.5	<50	<10
	7/6/04					**Well destroyed in preparation for excavation activities**													

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-5	11/28/01	98.47	6.49	0.00	91.98	<50	**58**	<100	**1.2**	<0.5	<0.5	<0.5	**30**	**11**	<0.5	<0.5	**5.5**	<200	<5
Screen	1/14/02	98.47	3.71	0.00	94.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5' - 25'	2/21/02	98.47	5.78	0.00	92.69	**560**	<200	<100	**46**	**0.52**	**1.3**	**0.63**	**150**	**15**	<0.5	<0.5	**20**	<50	<5.0
	3/19/02	98.47	6.23	0.00	92.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	98.47	7.48	0.00	90.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	65.37	10.07	0.00	55.30	<50	**110**	<100	<0.5	<0.5	<0.5	<0.5	**41**	<5	<0.5	<0.5	**2.5**	<50	<5
	10/24/02	65.37	13.20	0.00	52.17	<50	**150**	--	<0.5	<0.5	<0.5	<0.5	**100**	**14**	<0.5	<0.5	**3.6**	<100	<5.0
	1/23/03	65.37	8.96	0.00	56.41	<50	**78**	--	<0.5	<0.5	<0.5	<0.5	**2.8**	<5	<0.5	<0.5	<0.5	**210**	**17**
	4/16/03	65.37	8.21	0.00	57.16	<50	**540**	--	<0.5	<0.5	<0.5	<0.5	**3.7**	<5	<0.5	<0.5	<0.5	<50	<5
	7/7/03	65.37	10.83	0.00	54.54	<50	**220**	--	<0.5	<0.5	<0.5	<0.5	**2.2**	<5	<0.5	<0.5	<0.5	<50	<5
	10/15/03	65.37	13.64	0.00	51.73	<50	**800**	--	<0.5	<0.5	<0.5	<0.5	**17**	<5	<0.5	<0.5	<0.5	<50	**13**
	1/29/04	65.37	8.56	0.00	56.81	<50	**600**	--	<0.5	<0.5	<0.5	<0.5	**20**	<5	<0.5	<0.5	**0.71**	<50	<5
	4/12/04	65.37	9.64	0.00	55.73	<50	**350**	--	<0.5	<0.5	<0.5	<0.5	**1.7**	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	65.37	11.41	0.00	53.96	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**2.5**	<5	<0.5	<0.5	<0.5	<50	<5
	10/4/04	65.37	12.91	0.00	52.46	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**9.7**	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	65.37	8.84	0.00	56.53	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**7.2**	<5	<0.5	<0.5	<0.5	--	--
	4/27/05	65.37	8.04	0.00	57.33	**94**	<50[1]	--	**2.2**	<0.5	<0.5	<0.5	**56**	--	--	--	--	--	--
	7/11/05	65.37	10.14	0.00	55.23	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**1.2**	--	--	--	--	--	--
	10/13/05	65.37	13.77	0.00	51.60	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**1.6**	--	--	--	--	--	--
	1/4/06	65.37	8.51	0.00	56.86	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**4.6**	--	--	--	--	--	--
	4/5/06	65.37	10.14	0.00	55.23	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**0.77**	--	--	--	--	--	--
MW-6	11/28/01	95.07	6.30	0.00	88.77	<500	<50	<100	**38**	<5	<5	<5	**1,800**	**1,000**	<5	<5	**17**	<3,200	<50
Screen	1/14/02	95.07	4.48	0.00	90.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5' - 25'	2/21/02	95.07	4.68	0.00	90.39	<200	<50	<100	**12**	<2	<2	<2	**820**	**310**	<2	<2	**16**	<200	<20
	3/19/02	95.07	4.89	0.00	90.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	95.07	5.84	0.00	89.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	61.99	7.47	0.00	54.52	<250	<50	<100	**10**	<2.5	<2.5	<2.5	**980**	**400**	<2.5	<2.5	**15**	<1,000	<25
	10/24/02	61.99	10.02	0.00	51.97	<500	<50	--	<5	<5	<5	<5	**1,400**	**400**	<5	<5	**16**	<500	<50
	1/23/03	61.99	6.50	0.00	55.49	<200	**68**	--	<2	<2	<2	<2	**720**	**240**	<2	<2	**12**	<200	<20
	4/16/03	61.99	5.77	0.00	56.22	<200	**350**	--	**2.6**	<2	<2	<2	**1,000**	**320**	<2	<2	**17**	<200	<20
	7/7/03	61.99	8.02	0.00	53.97	<200	**140**	--	<2	<2	<2	<2	**860**	**210**	<2	<2	**9.8**	<200	<20
	10/15/03	61.99	10.47	0.00	51.52	<50	**150**	--	<0.5	<0.5	<0.5	<0.5	**350**	**89**	<0.5	<0.5	**3.8**	<50	<5
	1/29/04	61.99	6.43	0.00	55.56	<50	**210**	--	<0.5	<0.5	<0.5	<0.5	**260**	**44**	<0.5	<0.5	**3.0**	<50	<5
	4/12/04	61.99	7.19	0.00	54.80	<50	**110**	--	<0.5	<0.5	<0.5	<0.5	**230**	<5	<0.5	<0.5	**2.6**	<50	<5
	7/6/04	61.99	8.46	0.00	53.53	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**130**	<5	<0.5	<0.5	**1.3**	<50	<5
	10/4/04	61.99	9.72	0.00	52.27	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**89**	<5	<0.5	<0.5	**0.65**	--	--
	1/5/05	61.99	6.57	0.00	55.42	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**81**	<5	<0.5	<0.5	**0.55**	--	--
	4/27/05	61.99	6.45	0.00	55.54	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**410**	--	--	--	--	--	--
	7/11/05	61.99	7.60	0.00	54.39	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**630**	--	--	--	--	--	--
	10/13/05	61.99	10.23	0.00	51.76	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**120**	--	--	--	--	--	--
	1/4/06	61.99	6.48	0.00	55.51	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**56**	--	--	--	--	--	--
	4/5/06	61.99	7.77	0.00	54.22	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**21**	--	--	--	--	--	--

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-7	11/28/01	97.90	8.51	0.00	89.39	**15,000**	<1,100	<100	**4,200**	**83**	**830**	**700**	**4,900**	**2,100**	<20	<20	**83**	<12,000	<200
Screen	1/14/02	95.07	6.64	0.00	88.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5' - 25'	2/21/02	95.07	6.99	0.00	88.08	**11,000**	<1,000	<100	**2,400**	**46**	**410**	**230**	**2,700**	**710**	<10	<10	**37**	<1,100	<100
	3/19/02	95.07	7.17	0.00	87.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	95.07	8.04	0.00	87.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	64.79	9.79	0.00	55.00	**9,700**	<500	<100	**1,900**	**36**	**350**	**150**	**2,400**	**670**	<5	<5	**30**	<2,000	<100
	10/24/02	64.79	12.59	0.00	52.20	**12,000**	<1,300	--	**3,900**	**39**	**470**	**100**	**4,300**	**1,100**	<20	<20	**58**	<2,000	<250
	1/23/03	64.79	8.85	0.00	55.94	**8,500**	<2,000	--	**1,400**	**25**	**400**	**140**	**1,900**	**530**	<5	<5	**27**	<500	<50
	4/16/03	64.79	8.04	0.00	56.75	**7,300**	<1,500	--	**1,300**	**24**	**210**	**59**	**2,200**	**600**	<10	<10	**27**	<1,000	<100
	7/7/03	64.79	10.40	0.00	54.39	**14,000**	<3,000	--	**1,300**	**33**	**480**	**580**	**2,300**	**610**	<5	<5	**31**	<500	<50
	10/15/03	64.79	13.15	0.00	51.64	**12,000**	<4,000	--	**1,700**	**21**	**340**	**420**	**3,300**	**380**	<5	<5	**31**	<500	<50
	1/28/04	64.79	8.87	0.00	55.92	**24,000**	<4,000	--	**890**	**20**	**700**	**1,300**	**1,600**	**480**	<5	<5	**23**	<500	<50
	4/12/04	64.79	9.50	0.00	55.29	**15,000**	<3,000	--	**730**	**25**	**520**	**900**	**1,400**	**400**	<0.5	<0.5	**18**	<200	<20
	7/6/04	64.79	10.97	0.00	53.82	**14,000**	<4,000	--	**760**	**20**	**450**	**570**	**1,300**	**470**	<3	<3	**23**	<400	<50
	10/4/04	64.79	12.38	0.00	52.41	**13,000**	<3,000	--	**1,000**	**14**	**300**	**340**	**2,200**	**640**	<5	<5	**32**	--	--
	1/5/05	64.79	8.33	0.00	56.46	**17,000**	<1,000[1]	--	**230**	**4.6**	**290**	**610**	**920**	**290**	<1.5	<1.5	**13**	--	--
	4/27/05	64.79	8.46	0.00	56.33	**3,800**	<500[1]	--	**200**	**2.8**	**75**	**45**	**620**	--	--	--	--	--	--
	7/11/05	64.79	9.55	0.00	55.24	**6,100**	<2,000[1]	--	**340**	**4.7**	**190**	**180**	**720**	--	--	--	--	--	--
	10/13/05	64.79	14.13	0.00	50.66	**2,000**	<500[1]	--	**68**	<2	**18**	**12**	**1,300**	--	--	--	--	--	--
	1/4/06	64.79	8.23	0.00	56.56	**5,800**	<2,000[1]	--	**98**	**1.8**	**97**	**100**	**730**	--	--	--	--	--	--
	4/5/06	64.79	12.87	0.00	51.92	**6,200**	<1,500[1]	--	**100**	**2.7**	**250**	**250**	**530**	--	--	--	--	--	--
MW-8	11/28/01	99.55	4.18	0.00	95.37	<50	**60**	<100	<0.5	<0.5	<0.5	<0.5	**24**	<5	<0.5	<0.5	**4.6**	<100	<5
Screen	1/14/02	99.55	2.89	0.00	96.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5' - 25'	2/21/02	99.55	2.74	0.00	96.81	<50	**89**	<100	<0.5	<0.5	<0.5	<0.5	**12**	<5	<0.5	<0.5	**2.0**	<50	**39**
	3/19/02	99.55	2.89	0.00	96.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/02	99.55	3.96	0.00	95.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(6/14/02)	66.43	5.89	0.00	60.54	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	**7.3**	<5	<0.5	<0.5	**0.78**	<50	<5
	10/24/02	66.43	13.19	0.00	53.24	<50	**630**	<100	<0.5	<0.5	<0.5	<0.5	**5.0**	<5	<0.5	<0.5	<0.5	<50	<5
	1/23/03	66.43	2.00	0.00	64.43	<50	**230**	<100	<0.5	<0.5	<0.5	<0.5	**3.1**	<5	<0.5	<0.5	<0.5	**140**	**6.4**
	4/16/03	66.43	0.96	0.00	65.47	<50	**1,100**	**1,200**	<0.5	<0.5	<0.5	<0.5	**1.0**	<5	<0.5	<0.5	<0.5	<50	<5
	7/7/03	66.43	4.60	0.00	61.83	<50	**240**	**170**	<0.5	<0.5	<0.5	<0.5	**2.2**	<5	<0.5	<0.5	<0.5	<50	<5
	10/15/03	66.43	10.92	0.00	55.51	**60**	**580**	**700**	<0.5	<0.5	<0.5	<0.5	**2.1**	<5	<0.5	<0.5	<0.5	<50	<5
	1/29/04	66.43	0.77	0.00	65.66	<50	**600**	**510**	<0.5	<0.5	<0.5	<0.5	**1.1**	<5	<0.5	<0.5	<0.5	<50	<5
	4/12/04	66.43	2.15	0.00	64.28	<50	**600**	**780**	<0.5	<0.5	<0.5	<0.5	**0.6**	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	66.43	4.80	0.00	61.63	<50	**60**	<100	<0.5	<0.5	<0.5	<0.5	**1.0**	<5	<0.5	<0.5	<0.5	<50	<5
	10/4/04	66.43	9.49	0.00	56.94	<50	**120**	**110**	<0.5	<0.5	<0.5	<0.5	**0.91**	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	66.43	0.98	0.00	65.45	<50	**100**[1]	**140**[1]	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--	--
	4/27/05	66.43	1.56	0.00	64.87	<50	<50[1]	<100[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	7/11/05	66.43	7.58	0.00	58.85	<50	<50[1]	<100[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	10/13/05	66.43	7.93	0.00	58.50	<50	**90**[1]	**140**[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	1/4/06	66.43	0.50	0.00	65.93	<50	**67**	<100[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	4/5/06	66.43	0.50	0.00	65.93	<50	**70**	<100[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-9	(6/14/02)	66.04	9.59	0.00	56.45	<50	<50	<100	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
Screen	10/24/02	66.04	13.39	0.00	52.65	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
5' - 25'	1/23/03	66.04	8.21	0.00	57.83	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	4/16/03	66.04	7.43	0.00	58.61	<50	**84**	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	7/7/03	66.04	10.41	0.00	55.63	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	10/15/03	66.04	13.79	0.00	52.25	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	1/28/04	66.04	8.36	0.00	57.68	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	4/12/04	66.04	8.93	0.00	57.11	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	66.04	11.28	0.00	54.76	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	10/4/04	66.04	13.18	0.00	52.86	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	66.04	7.92	0.00	58.12	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--	--
	4/27/05	66.04	8.15	0.00	57.89	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	7/11/05	66.04	8.98	0.00	57.06	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	10/13/05	66.04	14.72	0.00	51.32	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	1/4/06	66.04	8.18	0.00	57.86	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	4/5/06	66.04	11.88	0.00	54.16	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-10	(6/14/02)	64.15	7.99	0.00	56.16	**110**	<50	<100	<0.5	<0.5	<0.5	<0.5	**18**	**27**	<0.5	<0.5	<0.5	<50	<5
Screen	10/24/02	64.15	12.03	0.00	52.12	**160**	<50	--	<0.5	<0.5	<0.5	<0.5	**69**	**55**	<0.5	<0.5	<0.5	<50	<5
5' - 25'	1/23/03	64.15	8.37	0.00	55.78	**200**	<50	--	<0.5	<0.5	<0.5	<0.5	**82**	**64**	<0.5	<0.5	<0.5	**150**	<5
	4/16/03	64.15	7.63	0.00	56.52	**260**	**200**	--	<0.5	<0.5	<0.5	<0.5	**110**	**61**	<0.5	<0.5	<0.5	<50	<5
	7/7/03	64.15	9.88	0.00	54.27	**72**	**88**	--	<0.5	<0.5	<0.5	<0.5	**84**	**44**	<0.5	<0.5	**0.55**	<50	<5
	10/15/03	64.15	12.47	0.00	51.68	<50	**79**	--	<0.5	<0.5	<0.5	<0.5	**89**	**32**	<0.5	<0.5	**0.58**	<50	<5
	1/28/04	64.15	8.32	0.00	55.83	<50	**97**	--	<0.5	<0.5	<0.5	<0.5	**98**	**24**	<0.5	<0.5	**0.57**	<50	<5
	4/12/04	64.15	9.04	0.00	55.11	<50	**96**	--	<0.5	<0.5	<0.5	<0.5	**82**	**23**	<0.5	<0.5	**0.63**	<50	<5
	7/6/04	64.15	10.40	0.00	53.75	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**100**	**14**	<0.5	<0.5	**0.76**	<50	<5
	10/4/04	64.15	11.75	0.00	52.40	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**84**	**13**	<0.5	<0.5	<0.5	--	--
	1/5/05	64.15	8.37	0.00	55.78	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**65**	**7.5**	<0.5	<0.5	<0.5	--	--
	4/27/05	64.15	8.53	0.00	55.62	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**94**	--	--	--	--	--	--
	7/11/05	64.15	9.26	0.00	54.89	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**76**	--	--	--	--	--	--
	10/13/05	64.15	12.52	0.00	51.63	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**45**	--	--	--	--	--	--
	1/4/06	64.15	8.33	0.00	55.82	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**23**	--	--	--	--	--	--
	4/5/06	64.15	10.20	0.00	53.95	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**23**	--	--	--	--	--	--

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-11	(6/14/02)	64.15	9.63	0.00	54.52	<50	<50	<100	**3.0**	<0.5	<0.5	<0.5	**76**	**13**	<0.5	<0.5	**6.9**	<100	<5
Screen	10/24/02	64.15	12.19	0.00	51.96	<50	<50	--	**1.6**	<0.5	<0.5	<0.5	**71**	**9.2**	<0.5	<0.5	**4.7**	<50	<5
5' - 25'	1/23/03	64.15	8.64	0.00	55.51	<50	**57**	--	<0.5	<0.5	<0.5	<0.5	**11**	<5	<0.5	<0.5	**0.62**	<50	<5
	4/16/03	64.15	7.90	0.00	56.25	<50	**180**	--	<0.5	<0.5	<0.5	<0.5	**8.7**	<5	<0.5	<0.5	<0.5	<50	<5
	7/7/03	64.15	10.13	0.00	54.02	<50	**66**	--	<0.5	<0.5	<0.5	<0.5	**9.7**	<5	<0.5	<0.5	<0.5	<50	<5
	10/15/03	64.15	12.64	0.00	51.51	<50	**64**	--	<0.5	<0.5	<0.5	<0.5	**15**	<5	<0.5	<0.5	<0.5	<50	<5
	1/29/04	64.15	8.57	0.00	55.58	<50	**93**	--	<0.5	<0.5	<0.5	<0.5	**8.4**	<5	<0.5	<0.5	<0.5	<50	<5
	4/12/04	64.15	9.37	0.00	54.78	<50	**83**	--	<0.5	<0.5	<0.5	<0.5	**11**	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	64.15	10.65	0.00	53.50	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**13**	<5	<0.5	<0.5	**0.51**	<50	<5
	10/4/04	64.15	11.90	0.00	52.25	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**28**	<5	<0.5	<0.5	**0.68**	--	--
	1/5/05	64.15	8.70	0.00	55.45	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**9.6**	<5	<0.5	<0.5	**0.68**	--	--
	4/27/05	64.15	8.71	0.00	55.44	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**13**	--	--	--	--	--	--
	7/11/05	64.15	9.85	0.00	54.30	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**16**	--	--	--	--	--	--
	10/13/05	64.15	12.42	0.00	51.73	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**17**	--	--	--	--	--	--
	1/4/06	64.15	8.60	0.00	55.55	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**8.4**	--	--	--	--	--	--
	4/5/06	64.15	9.94	0.00	54.21	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**12**	--	--	--	--	--	--
MW-12	(6/14/02)	60.73	6.92	0.00	53.81	<200	<50	<100	<2	<2	<2	<2	**660**	**330**	<2	<2	**8.8**	<500	<20
Screen	10/24/02	60.73	8.87	0.00	51.86	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
5' - 25'	1/23/03	60.73	6.15	0.00	54.58	<50	**68**	--	<0.5	<0.5	<0.5	<0.5	**730**	**240**	<0.5	<0.5	**11**	<50	<5
	4/16/03	60.73	5.71	0.00	55.02	<200	**250**	--	**2**	<2	<2	<2	**730**	**230**	<0.5	<0.5	**11**	<200	<20
	7/7/03	60.73	7.33	0.00	53.40	<100	**79**	--	<0.5	<0.5	<0.5	<0.5	**500**	**140**	<0.5	<0.5	**8.1**	<50	<5
	10/15/03	60.73	9.35	0.00	51.38	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	1/29/04	60.73	6.19	0.00	54.54	<50	**91**	--	<0.5	<0.5	<0.5	<0.5	**710**	**87**	<0.5	<0.5	**11**	**89**	<5
	4/12/04	60.73	6.84	0.00	53.89	<200	**91**	--	<1.5	<1.5	<1.5	<1.5	**560**	<20	<1.5	<1.5	**7.8**	<200	<20
	7/6/04	60.73	7.66	0.00	53.07	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**290**	<5	<0.5	<0.5	**4.0**	<50	<5
	10/4/04	60.73	8.41	0.00	52.32	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	60.73	6.51	0.00	54.22	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**180**	<5	<0.5	<0.5	**3.2**	--	--
	4/27/05	60.73	6.48	0.00	54.25	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**440**	--	--	--	--	--	--
	7/11/05	60.73	7.03	0.00	53.70	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**440**	--	--	--	--	--	--
	10/13/05	60.73	8.54	0.00	52.19	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	1/4/06	60.73	6.54	0.00	54.19	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**71**	--	--	--	--	--	--
	4/5/06	60.73	6.68	0.00	54.05	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**270**	--	--	--	--	--	--

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-13	(10/24/02)	63.18	11.64	0.00	51.54	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**99**	**39**	<0.5	<0.5	<0.5	<50	<5
Screen	1/23/03	63.18	8.16	0.00	55.02	<50	**54**	--	<0.5	<0.5	<0.5	<0.5	**13**	<0.5	<0.5	<0.5	<0.5	<50	<5
5' - 25'	4/16/03	63.18	7.31	0.00	55.87	<50	**130**	--	<0.5	<0.5	<0.5	<0.5	**4.4**	<0.5	<0.5	<0.5	<0.5	<50	<5
	7/7/03	63.18	9.78	0.00	53.40	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**7.4**	<5	<0.5	<0.5	<0.5	<50	<5
	10/15/03	63.18	12.09	0.00	51.09	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**12**	<5	<0.5	<0.5	<0.5	<50	<5
	1/29/04	63.18	7.90	0.00	55.28	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**5.2**	<5	<0.5	<0.5	<0.5	<50	<5
	4/12/04	63.18	8.97	0.00	54.21	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**3.9**	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	63.18	10.13	0.00	53.05	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**7.3**	<5	<0.5	<0.5	<0.5	<50	<5
	10/4/04	63.18	11.38	0.00	51.80	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**15**	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	63.18	8.20	0.00	54.98	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**4.0**	<5	<0.5	<0.5	<0.5	--	--
	4/27/05	63.18	8.36	0.00	54.82	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**2.3**	--	--	--	--	--	--
	7/11/05	63.18	9.35	0.00	53.83	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**2.6**	--	--	--	--	--	--
	10/13/05	63.18	11.44	0.00	51.74	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**3.7**	--	--	--	--	--	--
	1/4/06	63.18	7.91	0.00	55.27	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**1.1**	--	--	--	--	--	--
	4/5/06	63.18	8.43	0.00	54.75	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-14	(10/24/02)	60.64	9.04	0.00	51.60	<100	<50	--	<1	<1	<1	<1	**550**	**230**	<1	<1	**6.7**	<100	<10
Screen	1/23/03	60.64	8.72	0.00	51.92	<50	<50	--	<1	<1	<1	<1	**250**	**100**	<0.5	<0.5	**2.7**	<50	<5
5' - 25'	4/16/03	60.64	4.91	0.00	55.73	<50	**130**	--	<0.5	<0.5	<0.5	<0.5	**590**	**230**	<0.5	<0.5	**6.8**	<50	<5
	7/7/03	60.64	7.33	0.00	53.31	<100	**54**	--	<1	<1	<1	<1	**580**	**210**	<1	<1	**6.4**	<50	<5
	10/15/03	60.64	9.61	0.00	51.03	<200	**72**	--	<1.5	<1.5	<1.5	<1.5	**700**	**270**	<1.5	<1.5	**9.6**	<200	<20
	1/28/04	60.64	5.47	0.00	55.17	<100	**110**	--	<1	<1	<1	<1	**520**	**190**	<1	<1	**6.1**	<100	<10
	4/12/04	60.64	6.53	0.00	54.11	<50	**87**	--	<0.5	<0.5	<0.5	<0.5	**240**	**76**	<0.5	<0.5	**2.0**	<50	<5
	7/6/04	60.64	7.68	0.00	52.96	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**510**	**180**	<0.5	<0.5	**6.4**	<50	<5
	10/4/04	60.64	8.90	0.00	51.74	<100	<50	--	<1	<1	<1	<1	**480**	<10	<1	<1	**6.1**	--	--
	1/5/05	60.64	5.79	0.00	54.85	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**160**	<5	<0.5	<0.5	**2.8**	--	--
	4/27/05	60.64	5.98	0.00	54.66	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**160**	--	--	--	--	--	--
	7/11/05	60.64	6.93	0.00	53.71	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**320**	--	--	--	--	--	--
	10/13/05	60.64	8.90	0.00	51.74	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**290**	--	--	--	--	--	--
	1/4/06	60.64	5.48	0.00	55.16	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**280**	--	--	--	--	--	--
	4/5/06	60.64	5.75	0.00	54.89	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-15	6/10/03	61.56	8.34	0.00	53.22	<500	**92**	--	<5	<5	<5	<5	**1,700**	**570**	<5	<5	**14**	<500	<50
Screen	10/15/03	61.56	10.64	0.00	50.92	<250	**120**	--	<2.5	<2.5	<2.5	<2.5	**1,500**	**480**	<2.5	<2.5	**8.2**	<250	<25
5' - 25'	1/29/04	61.56	6.30	0.00	55.26	<250	**110**	--	<2.5	<2.5	<2.5	<2.5	**1,400**	**380**	<2.5	<2.5	**12**	<250	<25
	4/12/04	61.56	7.48	0.00	54.08	<300	**56**	--	<3	<3	<3	<3	**1,200**	**360**	<3	<3	**9.8**	<300	<30
	7/6/04	61.56	8.67	0.00	52.89	<200	<50	--	<2	<2	<2	<2	**750**	**280**	<2	<2	**7.5**	<200	<20
	10/4/04	61.56	9.99	0.00	51.57	<200	<50	--	<1.5	<1.5	<1.5	<1.5	**660**	**180**	<1.5	<1.5	**6.4**	--	--
	1/5/05	61.56	6.61	0.00	54.95	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**500**	**180**	<0.5	<0.5	**6.0**	--	--
	4/27/05	61.56	6.85	0.00	54.71	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**600**	--	--	--	--	--	--
	7/11/05	61.56	7.90	0.00	53.66	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**530**	--	--	--	--	--	--
	10/13/05	61.56	9.91	0.00	51.65	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**320**	--	--	--	--	--	--
	1/4/06	61.56	6.22	0.00	55.34	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**410**	--	--	--	--	--	--
	4/5/06	61.56	6.63	0.00	54.93	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**360**	--	--	--	--	--	--
MW-16	6/10/03	60.87	7.67	0.00	53.20	<50	**68**	--	<0.5	<0.5	<0.5	<0.5	**92**	**38**	<0.5	<0.5	**0.6**	<50	<5
Screen	10/15/03	60.87	9.98	0.00	50.89	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**170**	**68**	<0.5	<0.5	**1.9**	<50	<5
5' - 25'	1/28/04	60.87	5.63	0.00	55.24	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**180**	**78**	<0.5	<0.5	**2.0**	<50	<5
	4/12/04	60.87	6.83	0.00	54.04	<50	**71**	--	<0.5	<0.5	<0.5	<0.5	**97**	**47**	<0.5	<0.5	**1.2**	<50	<5
	7/6/04	60.87	8.02	0.00	52.85	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**180**	**86**	<0.5	<0.5	**2.2**	<50	<5
	10/4/04	60.87	9.31	0.00	51.56	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**320**	**77**	<0.5	<0.5	**3.5**	--	--
	1/5/05	60.87	5.98	0.00	54.89	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**150**	<5	<0.5	<0.5	**2.0**	--	--
	4/27/05	60.87	6.19	0.00	54.68	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**190**	--	--	--	--	--	--
	7/11/05	60.87	7.19	0.00	53.68	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**340**	--	--	--	--	--	--
	10/13/05	60.87	9.24	0.00	51.63	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**320**	--	--	--	--	--	--
	1/4/06	60.87	5.62	0.00	55.25	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**330**	--	--	--	--	--	--
	4/5/06	60.87	5.97	0.00	54.90	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**360**	--	--	--	--	--	--
MW-17	6/10/03	60.31	6.38	0.00	53.93	<50	**71**	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
Screen	10/15/03	60.31	8.38	0.00	51.93	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
5' - 25'	1/28/04	60.31	5.19	0.00	55.12	<50	**59**	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	4/12/04	60.31	5.46	0.00	54.85	<50	**65**	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	7/6/04	60.31	6.37	0.00	53.94	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<50	<5
	10/4/04	60.31	8.30	0.00	52.01	<50	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--	--
	1/5/05	60.31	4.19	0.00	56.12	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--	--
	4/27/05	60.31	4.02	0.00	56.29	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	7/11/05	60.31	7.32	0.00	52.99	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	10/13/05	60.31	9.99	0.00	50.32	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	1/4/06	60.31	5.43	0.00	54.88	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	4/5/06	60.31	5.68	0.00	54.63	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--

Table 2
Groundwater Elevations and Analytical Results
Dave's 76
1666 Main Street, Fortuna , California
Project No. NC-20

Well Name	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-18	6/10/03	60.36	7.27	0.00	53.09	<50	**70**	--	<0.5	<0.5	<0.5	<0.5	**120**	<5	<0.5	<0.5	<0.5	<50	<5
Screen	10/15/03	60.36	9.56	0.00	50.80	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**71**	**37**	<0.5	<0.5	**0.78**	<50	<5
5' - 25'	1/28/04	60.36	5.11	0.00	55.25	<50	**57**	--	<0.5	<0.5	<0.5	<0.5	**290**	**130**	<0.5	<0.5	**2.4**	<50	<5
	4/12/04	60.36	6.36	0.00	54.00	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**280**	**150**	<0.5	<0.5	**2.6**	**73**	<5
	7/6/04	60.36	7.59	0.00	52.77	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**310**	**70**	<0.5	<0.5	**2.9**	<50	<5
	10/4/04	60.36	8.94	0.00	51.42	<50	<50	--	<0.5	<0.5	<0.5	<0.5	**300**	<5	<0.5	<0.5	**2.7**	--	--
	1/5/05	60.36	5.44	0.00	54.92	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**320**	<5	<0.5	<0.5	**4.4**	--	--
	4/27/05	60.36	5.74	0.00	54.62	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**380**	--	--	--	--	--	--
	7/11/05	60.36	6.75	0.00	53.61	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**470**	--	--	--	--	--	--
	10/13/05	60.36	8.81	0.00	51.55	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**380**	--	--	--	--	--	--
	1/4/06	60.36	5.06	0.00	55.30	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**370**	--	--	--	--	--	--
	4/5/06	60.36	5.39	0.00	54.97	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**440**	--	--	--	--	--	--
					MCL	--	--	--	1	150	300	1,750	13						
					Taste & odor threshold	5	100	--	--	42	29	17	5						
					NCRWQCB Cleanup Goals	<50	100	--	0.50	42	29	17	5						

Notes :

TOC: Top of well casing referenced to mean sea level (msl).
DTW: Depth to water as referenced to top of casing.
SPH: Separate phase hydrocarbon on top of groundwater.
GWE: Groundwater elevation as referenced to benchmark.
µg/L = micrograms per liter
MCL: maximum contaminant level, a drinking water standard
TPHg: Total Petroleum Hydrocarbons as Gasoline by EPA Method 5030/8260B
TPHd: Total Petroleum Hydrocarbons as Dieselby EPA Method 3510/8015M
TPHmo: Total Petroleum Hydrocarbons as Motor Oil EPA Method 3510/8015M
--: Not analyzed, available, or applicable
NCRWQCB: North Coast Regional Water Quality Control Board

Benzene by EPA Method 8260B
Toluene by EPA Method 8260B
Ethylbenzene by EPA Method 8260B
Xylenes by EPA Method 8260B
MTBE: Methyl tertiary butyl ether by EPA method 8260B
TBA: Tertiary butyl alcohol by EPA method 8260B
DIPE: Di-isopropyl ether by EPA method 8260B
ETBE: Ethyl tertiary butyl ether by EPA method 8260B
TAME: Tertiary amyl methyl ether by EPA method 8260B
Methanol by Method 8260B
Ethanol by Method 8260B

Sample date in parentheses indicates new well survey per geotracker (NGS(PID#AC9252)"HPGN D CA 01 PB" Singley Rd)

1. Laboratory analysis for diesel and/or motor oil was performed using silica gel cleanup

Table 3
GROUNDWATER EXTRACTION SYSTEM ANALYTICAL RESULTS
Dave's 76
1666 Main St., Fortuna, California
Blue Rock Project # NC-20

Sample and Date	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
Influent (EX-1)							
9/6/05	180	--	9.6	0.8	5.0	1.8	35
10/3/05	570	<200	22	1.4	7.1	41	350
11/8/05	470	<200	15	0.9	6.9	32	310
12/8/05	410	<200	15	1.5	3.1	21	260
1/4/06	130	<50	<0.9	<0.9	11	<0.9	520
2/2/06	200	<200	16	<0.5	<0.5	6.40	220
3/17/06	86	<50	9	<0.5	<0.5	<0.5	170
4/4/06	180	<50	15	0.58	3.0	2.2	160
4/14/06	--	--	--	--	--	--	--
Effluent							
9/6/05	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5
10/3/05	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5
11/8/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/8/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
1/4/06	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
2/2/06	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3/17/06	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
4/4/06	<50	<50	<0.5	<0.5	<0.5	<0.5	0.76
4/14/06	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Effluent #1 (carbon Mid)							
1/4/06	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
4/4/06	<50	<50	<0.5	<0.5	<0.5	<0.5	9.7
4/14/06	--	--	--	--	--	--	--

Notes:

TPHg	Total Petroleum Hydrocarbons as gasoline by EPA method 5030/8260B
BTEX	Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA Method 8260B
MTBE	Methyl tert-butyl ether by EPA Method 8260B
µg/L	Micrograms per liter
Effluent #1 (carbon Mid)	Sample taken after first carbon vessel to monitor breakthrough

Table 4
CUMULATIVE HYDROCARBON RECOVERY FROM GROUNDWATER
Dave's 76
1666 Main St., Fortuna, California
Blue Rock Project # NC-20

Date	A Cummulativ Discharge (ga	B Discharge for Interval (gal)	C onversion facto (3.785 L/gal)	D TPH (µg/L)	E Conversion factor (1 lbs / 453,600,000 µg)	F TPH recovered for period (lbs)	G Cumulative TPH recovered (lbs)
9/6/2005	2,230	2,230	3.875	180	0.000000002205	0.0034	0.0034
10/3/2005	25,470	23,240	3.875	570	0.000000002205	0.11	0.12
11/8/2005	58,910	33,440	3.875	470	0.000000002205	0.13	0.25
12/8/2005	98,610	39,700	3.875	410	0.000000002205	0.14	0.39
1/4/2006	149,380	50,770	3.875	130	0.000000002205	0.056	0.45
2/2/2006	224,390	75,010	3.875	200	0.000000002205	0.128	0.57
3/17/2006	322,280	97,890	3.875	86	0.000000002205	0.072	0.65
4/4/2006	366,340	44,060	3.875	180	0.000000002205	0.068	0.71

Total Mass of Hydrocarbons Recovered (in lbs)	**0.71**
Total Volume of Hydrocarbons Recovered (in gals)	**0.12**

(assuming gasoline density of 6.08 lbs/gal)

Notes

Initial startup of system - September 6, 2005

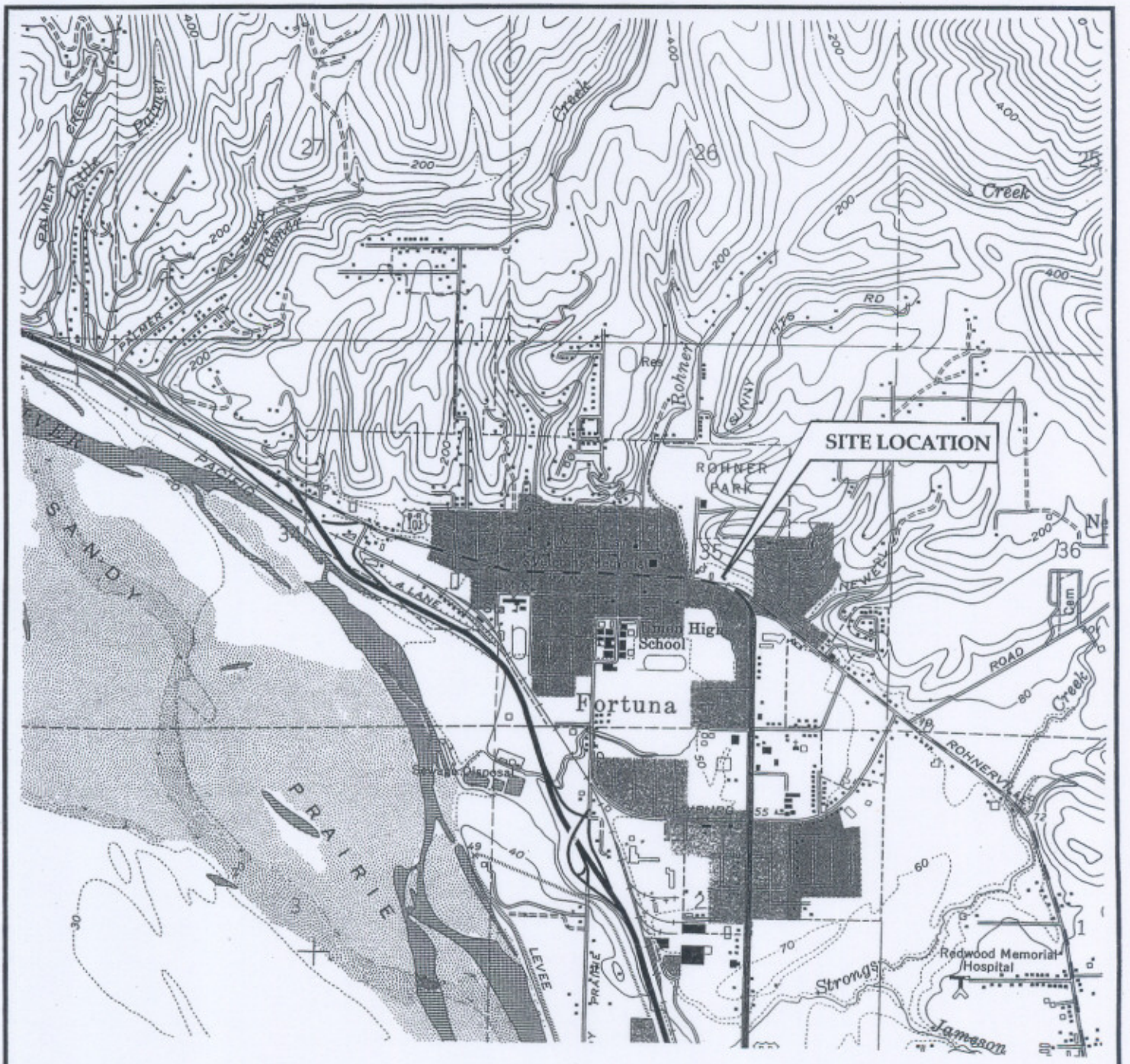
A: Cumulative volume of groundwater recovered and discharged (gal), flow from EX-1
B: Volume of groundwater recovered and discharged for period (gal)
C: Conversion factor of 3.875 liter / 1 gal
D: TPH concentration (µg/L) of groundwater flow from EX-1
E: Conversion factor of 1 lbs / 453,600,00 micrograms
F: TPH recovered for period (lbs) = B (gal) * C (L/gal) * D (µg/L) * E (lbs/µg)
G: Cumulative TPH recovered for period (lbs)

Table 5
Groundwater Extraction System Discharge Air Sample Analytical Results
Dave's 76
1666 Main St., Fortuna, CA
ATC Permit # 472
Blue Rock Project Number NC-20

Sample I.D.	Sample Date	TPHg mg/m3	Benzene mg/m3	Toluene mg/m3	Ethylbenzene mg/m3	Xylenes mg/m3	MTBE mg/m3
Effluent Vent							
Eff 9/6/05	9/6/05	<20	<0.20	<0.20	<0.20	<0.20	<0.20
Eff 9/7/05	9/7/05	<20	<0.20	<0.20	<0.20	<0.20	<0.20
Disch. Effluent	1/9/06	<20	<0.20	<0.20	<0.20	<0.20	<0.20
Disch. Effluent	4/4/06	<20	<0.20	<0.20	<0.20	<0.20	<0.20

Notes:

Influent	Air sample collected from vent for water discharge
mg/m3	Volume of analyte in air sample - milligrams per cubic meter
<#.##	Compound not detected at or below the reported laboratory detection limit
TPHg	Total Petroluem Hydrocarbons as gasoline by EPA Method 8260B
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes by EPA Method 8260B
MTBE	Methyl Terterary Butyl Ether by EPA Method 8260B

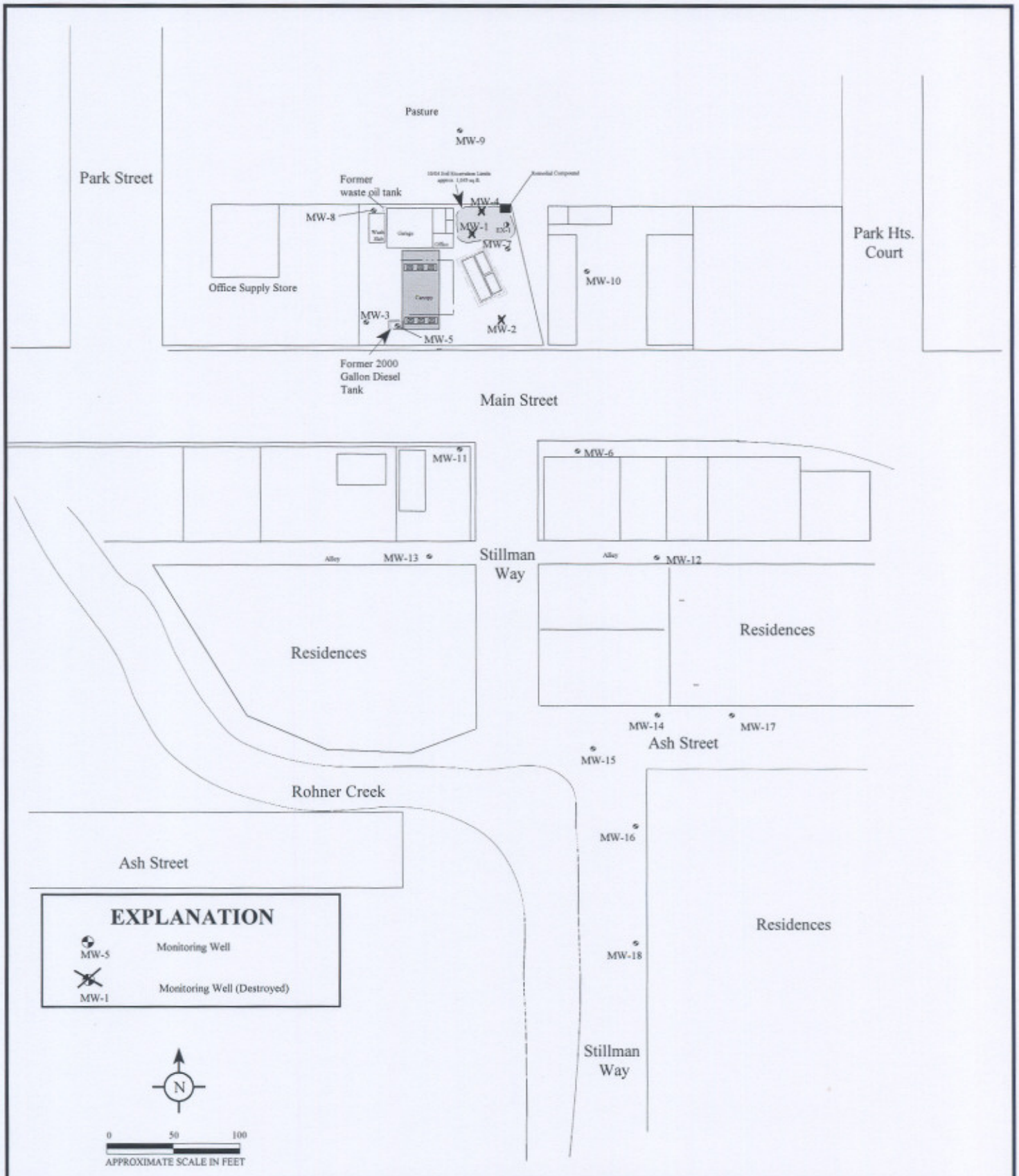


Site Location Map

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

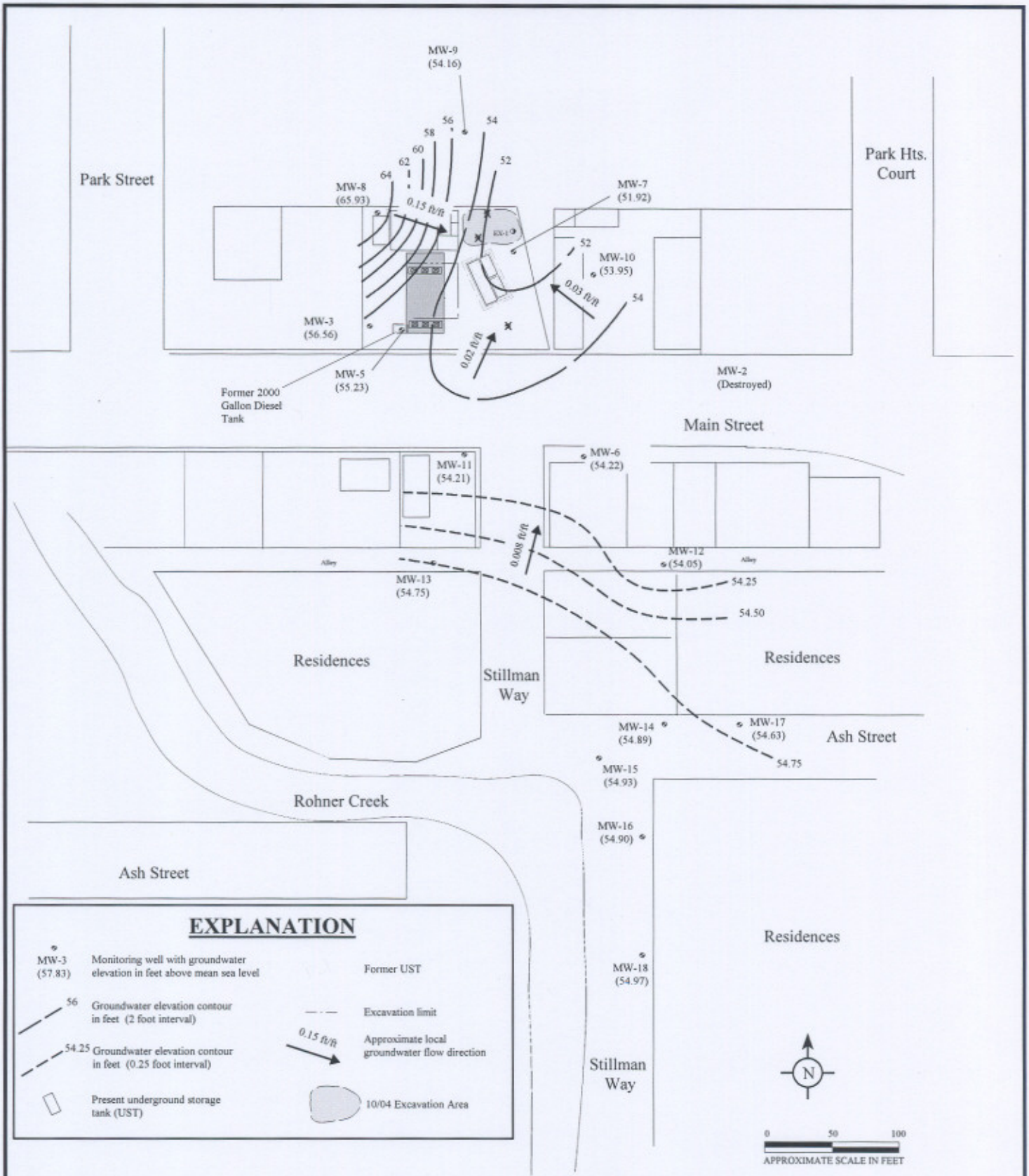
Project No.	Date	Figure
NC-20	5/06	1



Site Plan
Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	5/06	2

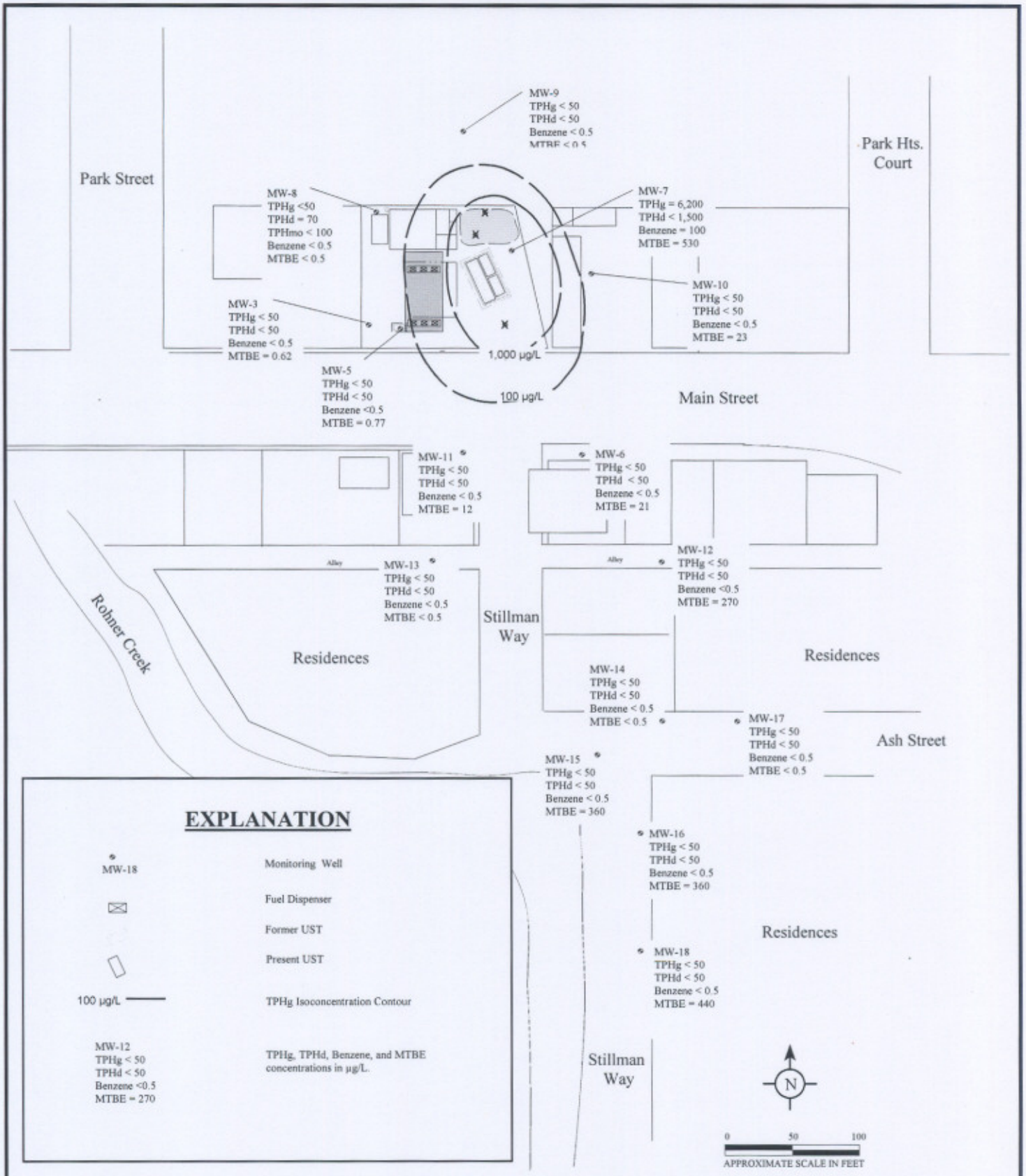


Groundwater Elevations and Gradient 4/5/06

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	5/06	3

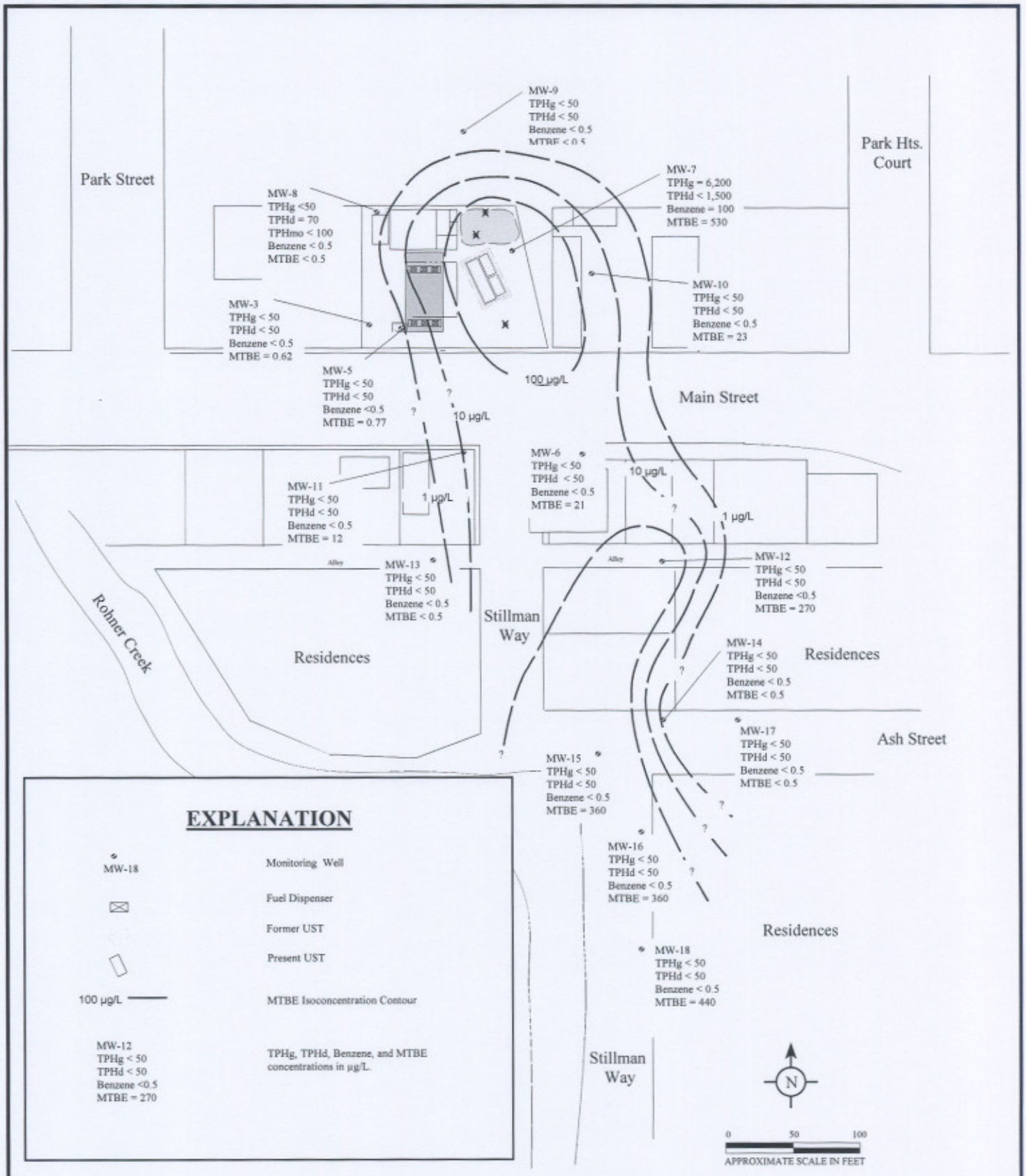


Dissolved-Phase TPHg Distribution 4/5/06 - 4/6/06

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	5/06	4

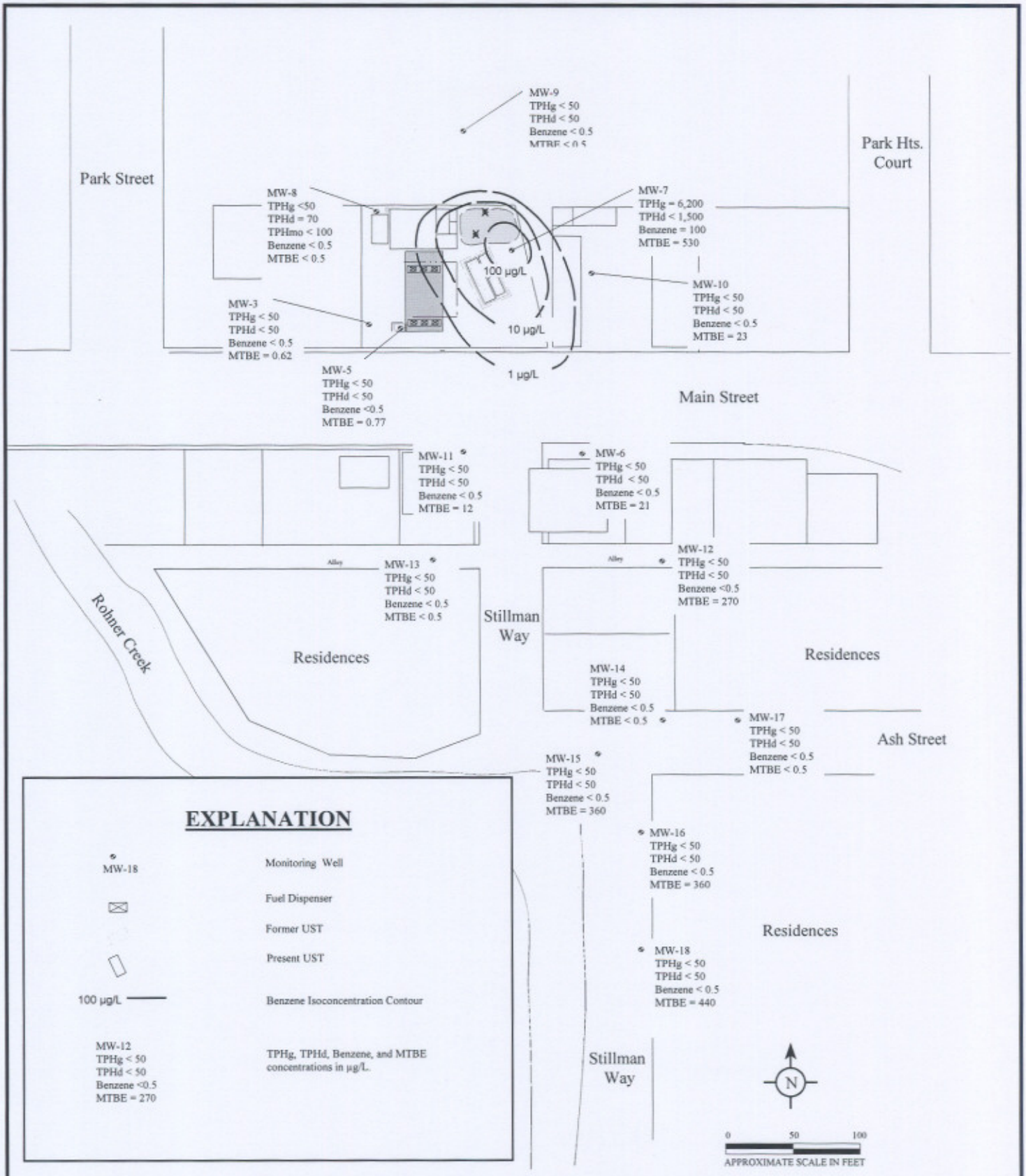


Dissolved-Phase MTBE Distribution 4/5/06 - 4/6/06

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	5/06	5

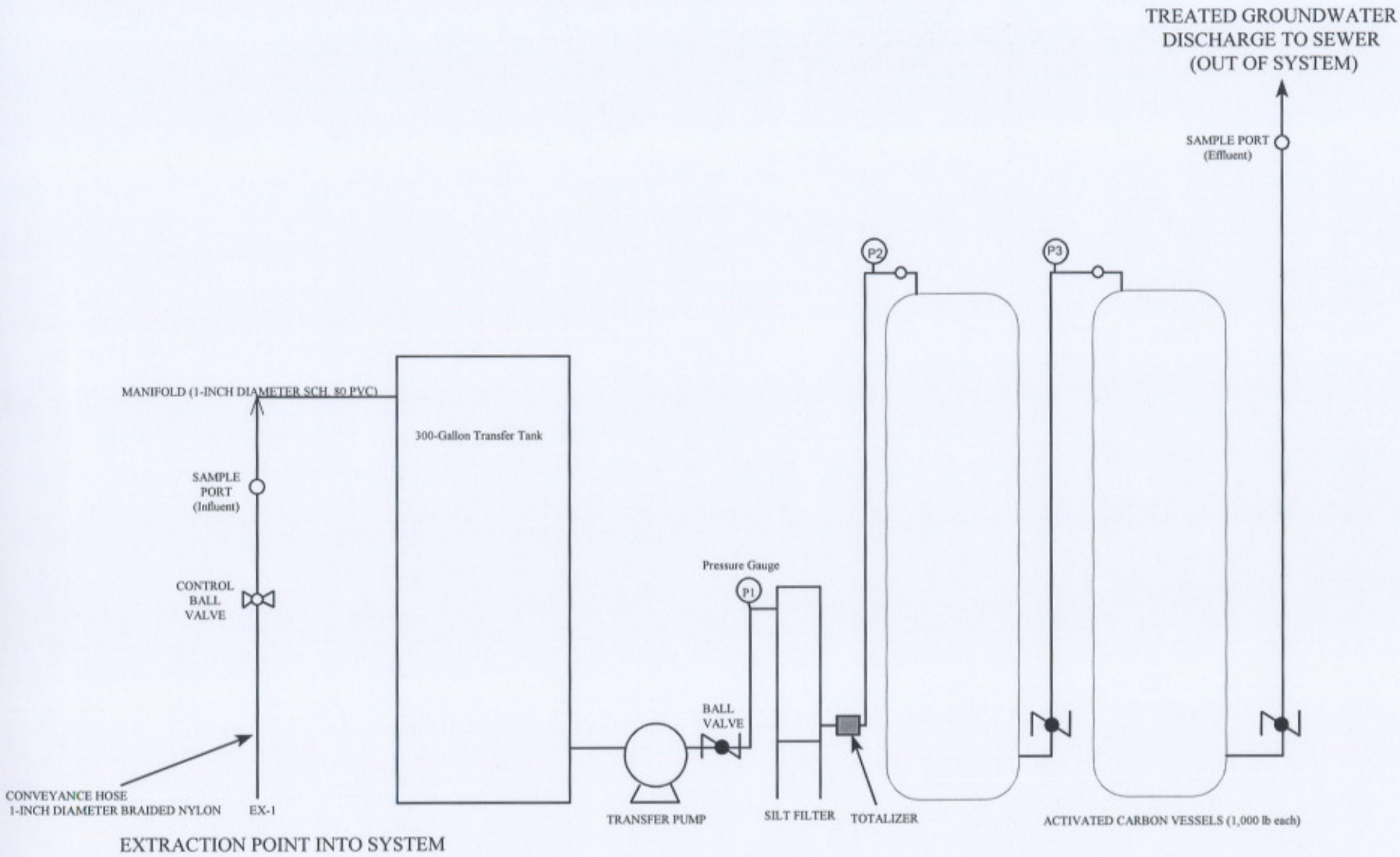


Dissolved-Phase Benzene Distribution 4/5/06 - 4/6/06

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	5/06	6



Groundwater Extraction System Schematic

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Figure Date	Figure
NC-20	5/06	7

GAGING DATA/PURGE CALCULATIONS

Job No.: NC-20 **Location:** 1666 Main St. Fortuna **Date:** 4/5/06 **Tech(s):** JL

WELL NO.	DIA. (in.)	DTB (ft.)	DTW 9.68 (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPH (ft.)	NOTES
MW-3	2"	19.84	[illegible]	10.16	1.62	4.86	0	
MW-5	↓	22.29	10.14	12.15	1.94	5.82	↓	
MW-6	↓	21.96	7.77	14.19	2.27	6.81	↓	
MW-7	↓	24.26	12.87	11.39	1.82	5.46	sheen	
MW-8	↓	24.43	0.50	23.93	3.82	11.46	0	
MW-9	↓	24.21	11.88	12.33	1.97	5.91	↓	
MW-10	↓	23.56	10.20	13.36	2.13	6.39	↓	
MW-11	↓	24.18	9.94	14.24	2.27	6.81	↓	
MW-12	↓	24.02	6.68	17.34	2.77	8.31	↓	
MW-13	↓	23.42	8.43	14.99	2.39	7.17	↓	
MW-14	↓	23.53	5.75	17.78	2.84	8.52	↓	
MW-15	↓	23.81	6.63	17.18	2.74	8.22	↓	
MW-16	↓	20.38	5.97	14.41	2.30	6.90	↓	
MW-17	↓	24.95	5.68	19.27	3.08	9.24	↓	
MW-18	↓	19.18	5.39	13.79	2.20	6.60	↓	

Explanation:

DIA. = Well Diameter
DTB = Depth to Bottom
DTW = Depth to Water
ST = Saturated Thickness (DTB-DTW)
CV = Casing Volume (ST x cf)
PV = Purge Volume (standard 3 x CV, well development 10 x CV)
SPH = Thickness of Separate Phase Hydrocarbons

Conversion Factors (cf):

2 in. dia. well cf = 0.16 gal./ft.
4 in. dia. well cf = 0.65 gal./ft.
6 in. dia. well cf = 1.44 gal./ft.

BLUE ROCK ENVIRONMENTAL, INC.

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main St. **Date:** 4/5/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-3			---	---	---
Calc. purge	12:35	0.25	278	61.6	6.04
volume	12:40	2.50	264	61.7	6.07
4.86	12:45	4.85	261	61.8	6.07

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/ mod/ mod/ no sheen/ no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-5			---	---	---
Calc. purge	12:55	0.25	586	60.2	6.68
volume	13:00	2.75	578	60.3	6.72
5.82	13:05	5.85	574	60.4	6.74

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/ heavy/ mod/ no sheen/ no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:10

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-6			---	---	---
Calc. purge	13:15	0.25	630	57.7	6.10
volume	13:20	3.25	649	59.5	6.16
6.81	13:25	6.80	633	59.6	6.19

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/ mod/ mod/ no sheen/ no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:30

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main St. **Date:** 4/5/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-7			---	---	---
Calc. purge	11:15	0.25	337	59.7	6.18
volume	11:20	2.75	371	60.7	6.19
5.46	11:25	5.50	339	60.9	6.26

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear/ mod/ mod/ sheen/ odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:30

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-8			---	---	---
Calc. purge	10:55	0.25	151	54.6	6.19
volume	11:00	5.00	158	54.3	6.20
11.46	11:05	11.50	161	54.3	6.20

Sample for: TPHmo ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear/ mod/ good/ no sheen/ no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:10

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-9			---	---	---
Calc. purge	10:35	0.25	227	57.7	6.56
volume	10:40	2.75	220	57.5	6.50
5.91	10:45	5.90	218	57.6	6.54

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear/ mod/ mod/ no sheen/ no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 10:50

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main St. **Date:** 4/5/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-10			---	---	---
Calc. purge	11:35	0.25	313	61.2	6.23
volume	11:40	3.00	306	62.2	6.25
6.39	11:45	6.40	303	62.2	6.24

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen: clear / mod. / mod. / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-11			---	---	---
Calc. purge	11:55	0.25	513	60.6	6.30
volume	12:00	3.50	467	62.5	6.28
6.81	12:05	6.80	433	62.6	6.27

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen: clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:10

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-12			---	---	---
Calc. purge	12:15	0.25	348	62.0	6.10
volume	12:20	4.50	340	61.5	6.10
8.31	12:25	8.35	336	61.3	6.11

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen: clear / low / mod. / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:30

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main st. **Date:** 4/5/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-13			---	---	---
Calc. purge	14:00	0.25	212	61.1	6.01
volume	14:05	3.50	199	61.2	6.01
7.17	14:10	7.15	193	61.1	6.01

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 14:15

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-14			---	---	---
Calc. purge	8:25	0.25	245	54.1	6.11
volume	8:30	4.50	364	56.2	6.26
8.52	8:35	8.50	289	56.9	6.26

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear / heavy / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 8:40 4/6

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-15			---	---	---
Calc. purge	8:45	0.25	309	55.9	6.00
volume	8:50	4.25	298	59.2	5.99
8.22	8:55	8.25	299	59.6	5.99

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 9:00 4/6

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main St. **Date:** 4/5/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-16			---	---	---
Calc. purge	9:05	0.25	535	56.9	6.15
volume	9:10	3.25	425	59.5	6.14
6.90	9:15	6.90	382	59.7	6.15

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/no sheen/no odor

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at: 9:20 4/6

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-17			---	---	---
Calc. purge	9:25	0.25	426	57.6	5.82
volume	9:30	4.75	405	60.3	5.83
9.24	9:35	9.25	419	61.4	5.85

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/no sheen/no odor

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at: 9:40 4/6

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-18			---	---	---
Calc. purge	9:45	0.25	426	57.2	6.04
volume	9:50	3.25	368	59.4	6.06
6.60	9:55	6.60	355	59.5	6.08

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/no sheen/no odor

Sample for: ~~TPHg~~ ~~TPHd~~ 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at: 10:00 4/6

KIFF Analytical LLC

Report Number : 48241
Date : 2/10/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Water Samples
Project Name : Dave's 76
Project Number : NC 20

Dear Mr. LoCicero,

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 : 48241
Date : 2/10/2006

Subject : 2 Water Samples
Project Name : Dave's 76
Project Number : NC 20

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample Influent 2/2/06.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48241

Date : 2/10/2006

Project Name : **Dave's 76**

Project Number : **NC 20**

Sample : **Influent 2/2/06** Matrix : Water Lab Number : 48241-01

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16**	0.50	ug/L	EPA 8260B	2/6/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
Total Xylenes	**6.4**	0.50	ug/L	EPA 8260B	2/6/2006
Methyl-t-butyl ether (MTBE)	**220**	0.50	ug/L	EPA 8260B	2/6/2006
TPH as Gasoline	**200**	50	ug/L	EPA 8260B	2/6/2006
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	2/6/2006
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	2/6/2006
TPH as Diesel	**< 200**	200	ug/L	M EPA 8015	2/6/2006
Octacosane (Diesel Surrogate)	83.6		% Recovery	M EPA 8015	2/6/2006

Sample : **Effluent 2/2/06** Matrix : Water Lab Number : 48241-02

Sample Date :2/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/6/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	2/6/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/6/2006
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	2/6/2006
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	2/6/2006
Octacosane (Diesel Surrogate)	86.6		% Recovery	M EPA 8015	2/6/2006

Approved By: Joel Kiff

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

Report Number : 48241

Date : 2/10/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC 20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	2/6/2006
Octacosane (Diesel Surrogate)	84.6		%	M EPA 8015	2/6/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/6/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/6/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/6/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/6/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/6/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/6/2006
Toluene - d8 (Surr)	98.8		%	EPA 8260B	2/6/2006
4-Bromofluorobenzene (Surr)	93.1		%	EPA 8260B	2/6/2006

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 : 48241

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/10/2006

Project Name : **Dave's 76**

Project Number : **NC 20**

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
TPH as Diesel	Blank	<50	1000	1000	958	854	ug/L	M EPA 8015	2/6/06	95.8	85.4	11.4	70-130	25
Benzene	48232-01	<0.50	38.5	37.7	39.8	38.6	ug/L	EPA 8260B	2/6/06	103	102	0.703	70-130	25
Toluene	48232-01	<0.50	38.5	37.7	39.2	38.3	ug/L	EPA 8260B	2/6/06	102	102	0.143	70-130	25
Tert-Butanol	48232-01	<5.0	193	189	177	180	ug/L	EPA 8260B	2/6/06	92.1	95.7	3.84	70-130	25
Methyl-t-Butyl Ether	48232-01	<0.50	38.5	37.7	39.4	38.8	ug/L	EPA 8260B	2/6/06	102	103	0.551	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48241

QC Report : Laboratory Control Sample (LCS)

Date : 2/10/2006

Project Name : **Dave's 76**

Project Number : **NC 20**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/6/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	2/6/06	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/6/06	95.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/6/06	105	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 48241

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Policero

California EDF Report? ☐ Yes ☑ No

Company / Address: Blue Rock Env. 535 3rd St. #100 Eureka CA 95501

Sampling Company Log Code:

Phone #: 7074411934 Fax #: 7074411949

Global ID: pdf

Project #: NC20 P.O. #:

~~EDF~~ Deliverable To (Email Address): andrew@bluerockenv.com

Project Name: Davis 76

Sampler Signature: [signature]

Project Address: 1666 main st. Fortuna CA

Analysis Request

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	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)	5 Oxygenates (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 ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk	For Lab Use Only
✓ Influent 2/2/06	2/2/06	1625	4					X			X				X	X	X							X				X	01
✓ Effluent 2/2/06	2/2/06	1645	4					X			X				X	X	X							X				X	02

Relinquished by:	Date	Time	Received by:
[signature]	2/3/06	1400	FED EX
	020406	1145	Received by Laboratory: [signature] Kiff Analytical LLC

Remarks:

Bill to: B R Foster city

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
2.2	TJA	020406	1145	IR-1	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 49077
Date : 3/28/2006

Andrew LoCicero
Blue Rock Environmental, Inc.
535 3rd Street, Suite 100
Eureka, CA 95501

Subject : 2 Water Samples
Project Name : Dave's 76
Project Number : NC-20

Dear Mr. LoCicero,

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 : 49077

Date : 3/28/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

Sample : **Inf Ex-1** Matrix : Water Lab Number : 49077-01

Sample Date :3/17/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**9.1**	0.50	ug/L	EPA 8260B	3/23/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Methyl-t-butyl ether (MTBE)	**170**	0.50	ug/L	EPA 8260B	3/23/2006
TPH as Gasoline	**86**	50	ug/L	EPA 8260B	3/23/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	3/23/2006
4-Bromofluorobenzene (Surr)	95.4		% Recovery	EPA 8260B	3/23/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/25/2006
Octacosane (Diesel Surrogate)	83.6		% Recovery	M EPA 8015	3/25/2006

Sample : **Eff Ex-1** Matrix : Water Lab Number : 49077-02

Sample Date :3/17/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/23/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/23/2006
Toluene - d8 (Surr)	96.4		% Recovery	EPA 8260B	3/23/2006
4-Bromofluorobenzene (Surr)	90.5		% Recovery	EPA 8260B	3/23/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/25/2006
Octacosane (Diesel Surrogate)	82.8		% Recovery	M EPA 8015	3/25/2006

Approved By: Joel Kiff

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

Report Number : 49077

Date : 3/28/2006

QC Report : Method Blank Data

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/23/2006
Octacosane (Diesel Surrogate)	93.6		%	M EPA 8015	3/23/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/23/2006
Toluene - d8 (Surr)	106		%	EPA 8260B	3/23/2006
4-Bromofluorobenzene (Surr)	97.4		%	EPA 8260B	3/23/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/23/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/23/2006
Toluene - d8 (Surr)	95.9		%	EPA 8260B	3/23/2006
4-Bromofluorobenzene (Surr)	88.8		%	EPA 8260B	3/23/2006

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 : 49077

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/28/2006

Project Name : **Dave's 76**

Project Number : **NC-20**

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
TPH as Diesel	Blank	<50	1000	1000	974	1000	ug/L	M EPA 8015	3/23/06	97.4	100	3.16	70-130	25
Benzene	49075-10	<0.50	40.0	40.0	40.4	39.4	ug/L	EPA 8260B	3/23/06	101	98.4	2.69	70-130	25
Toluene	49075-10	<0.50	40.0	40.0	43.9	41.8	ug/L	EPA 8260B	3/23/06	110	104	4.99	70-130	25
Tert-Butanol	49075-10	<5.0	200	200	208	207	ug/L	EPA 8260B	3/23/06	104	104	0.479	70-130	25
Methyl-t-Butyl Ether	49075-10	<0.50	40.0	40.0	41.9	41.8	ug/L	EPA 8260B	3/23/06	105	104	0.145	70-130	25
Benzene	49077-02	<0.50	40.0	40.0	37.4	36.4	ug/L	EPA 8260B	3/23/06	93.6	91.1	2.79	70-130	25
Toluene	49077-02	<0.50	40.0	40.0	37.8	37.3	ug/L	EPA 8260B	3/23/06	94.5	93.3	1.23	70-130	25
Tert-Butanol	49077-02	<5.0	200	200	185	189	ug/L	EPA 8260B	3/23/06	92.4	94.6	2.36	70-130	25
Methyl-t-Butyl Ether	49077-02	<0.50	40.0	40.0	39.8	40.0	ug/L	EPA 8260B	3/23/06	99.6	100	0.532	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 49077

Date : 3/28/2006

QC Report : Laboratory Control Sample (LCS)

Project Name : **Dave's 76**

Project Number : **NC-20**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/23/06	97.8	70-130
Toluene	40.0	ug/L	EPA 8260B	3/23/06	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/23/06	99.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/23/06	105	70-130
Benzene	40.0	ug/L	EPA 8260B	3/23/06	94.3	70-130
Toluene	40.0	ug/L	EPA 8260B	3/23/06	92.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/23/06	91.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/23/06	98.4	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 49077

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Lucero

California EDF Report? ☐ Yes ☑ No

Company / Address: Blue Rock Env. 535 3rd St. #120 Eureka CA 95501

Sampling Company Log Code:

Phone #: 707 441 1939 Fax #: 707 441 1949

Global ID:

Project #: NC-20 P.O. #:

EDF Deliverable To (Email Address):

Project Name: Davis 76

Sampler Signature: A. [illegible]

Project Address: 1666 Main St. Fortuna CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	ICE	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)	5 Oxygenates (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: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only
Inf Ex-1	3/17/06	1330	4								X	X				X	X	X							X							X	01
Eff Ex-1	3/17/06	1345	4								X	X				X	X	X							X							X	02

Relinquished by:	Date	Time	Received by:
A. [illegible]	3/21/06	1400	FED EX

Remarks:

Bill to: BSR Fortuna City

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.0	RLM	032206	1050	IR-1	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805