BLUE ROCK
ENVIRONMENTAL, INC.

FILE COPY

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

August 2, 2005

Re: **Third Quarter 2005 Groundwater Monitoring Report**
Dave's 76
1666 Main Street
Fortuna, California
LOP #12708
Project No. NC-20

Dear Mr. Stone,

This report presents the results of the Third Quarter 2005 groundwater monitoring activities 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.

During UST excavation activities of March 1999, visibly contaminated soil was removed through overexcavation 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 overexcavation 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.

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.

Field and Laboratory Activities

Groundwater Monitoring Activities

On July 11, 2005, 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 at least 80% of their static levels in the other wells, 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, TBA, DIPE, ETBE, TAME by EPA Method 8260B
- TPHmo by EPA Method 8015M (MW-8) (silica gel cleanup)

Groundwater Monitoring Results

Groundwater Flow Direction and Gradient

Static groundwater in the wells was present beneath the site at depths ranging from approximately 6.75 (MW-18) to 10.14 (MW-5) feet bgs. Gauging data, combined with well

elevation data, were used to calculate groundwater elevation, and to generate a groundwater elevation and gradient map. In the immediate vicinity of the site, the groundwater flow direction was calculated to be toward the southeast at a gradient of approximately 0.047 ft/ft (Figure 3). To the south of the site, there are localized groundwater flow components to the south.

Groundwater Contaminant Analytical Results

LNAPL:	None
TPHg concentration:	<50 µg/L (MW-3, 6, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18) to 6,100 µg/L (MW-7)
TPHd concentration:	<50 g/L (MW-3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18) to < 2,000 µg/L (MW-7)
MTBE concentration:	<0.5 µg/L (MW-8, 9, 17) to 720 µg/L (MW-7)
Benzene concentration:	< 0.5µg/L (MW-3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18) to 340 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 1. Copies of the laboratory report and chain-of-custody form are attached.

Remarks

Groundwater sample analytical results fall within historical concentration range for the site. The method reporting limit for TPHd in MW-7 was increased due to interference from gasoline range hydrocarbons.

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 October 2005. Groundwater samples will be analyzed for TPHg, TPHd, BTEX and MTBE (all wells) and TPHmo (MW-8 only).

- Currently, all necessary permits have been obtained and the groundwater extraction and treatment system will be started in the first week of August 2005. System startup and compliance reporting will be submitted with the next quarterly groundwater monitoring report.

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:

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

Brian Gwinn, PG
Principal Geologist

Attachments

Table 1: Groundwater Elevation and Analytical Data
Table 2: Monitoring Well Construction Details
Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Groundwater Elevations and Gradient – 7/11/05
Figure 4: Dissolved - Phase TPHg Distribution – 7/11/05
Figure 5: Dissolved - Phase MTBE Distribution – 7/11/05
Figure 6: Dissolved - Phase Benzene Distribution – 7/11/05
Blue Rock Gage/Purge Calculations and Well Purging Data field sheets
Laboratory Analytical Report and Chain-of-Custody Form

CC:
Mr. Dave Ansley
1666 Main Street
Fortuna, CA 95540

Table 1
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
	07/06/04					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
	07/06/04					Well destroyed in preparation for excavation activities													
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	<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

Table 1
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	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
Screen	07/06/04	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
5' - 25'	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	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	--	--
	07/11/05	66.24	9.82	0.00	56.42	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	0.64	--	--	--	--	--	--
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
	07/06/04					Well destroyed in preparation for excavation activities													
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
	07/06/04	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
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	65.37	8.04	0.00	57.33	94	<50[1]	--	2.2	<0.5	<0.5	<0.5	56	--	--	--	--	--	--
	07/11/05	65.37	10.14	0.00	55.23	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	1.2	--	--	--	--	--	--
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

Table 1
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-6	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
Screen	1/23/03	61.99	6.50	0.00	55.49	<200	68	--	<2	<2	<2	<2	720	240	<2	<2	12	<200	<20
5' - 25'	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	<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
	07/06/04	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
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	61.99	6.45	0.00	55.54	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	410	--	--	--	--	--	--
	07/11/05	61.99	7.60	0.00	54.39	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	630	--	--	--	--	--	--
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
	07/06/04	64.79	10.97	0.00	53.82	14,000	<4,000	--	760	20	450	570	1,300	470	<3	<3	23	<400	<50
	10/04/04	64.79	12.38	0.00	52.41	13,000	<3,000	--	1,000	14	300	340	2,200	640	<5	<5	32	--	--
	01/05/05	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	--	--
	04/27/05	64.79	8.46	0.00	56.33	3,800	<500[1]	--	200	2.8	75	45	620	--	--	--	--	--	--
	07/11/05	64.79	9.55	0.00	55.24	6,100	<2,000[1]	--	340	4.7	190	180	720	--	--	--	--	--	--
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	<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	<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	<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
	07/06/04	66.43	4.80	0.00	61.63	<50	60	<100	<0.5	<0.5	<0.5	<0.5	1	<5	<0.5	<0.5	<0.5	<50	<5
	10/04/04	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	--	--

Table 1
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-8	01/05/05	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	--	--
Screen	04/27/05	66.43	1.56	0.00	64.87	<50	<50[1]	<100[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
5' - 25'	07/11/05	66.43	7.58	0.00	58.85	<50	<50[1]	<100[1]	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
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
	07/06/04	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
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	66.04	8.15	0.00	57.89	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	07/11/05	66.04	8.98	0.00	57.06	<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
	07/06/04	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
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	64.15	8.53	0.00	55.62	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**94**	--	--	--	--	--	--
	07/11/05	64.15	9.26	0.00	54.89	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**76**	--	--	--	--	--	--
MW-11	(6/14/02)	64.15	9.63	0.00	54.52	<50	<50	<100	**3**	<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
	07/06/04	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
	10/04/04	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**	--	--
	01/05/05	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**	--	--
	04/27/05	64.15	8.71	0.00	55.44	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**13**	--	--	--	--	--	--
	07/11/05	64.15	9.85	0.00	54.30	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**16**	--	--	--	--	--	--

Table 1
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-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
	07/06/04	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	<50	<5
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	60.73	6.48	0.00	54.25	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	440	--	--	--	--	--	--
	07/11/05	60.73	7.03	0.00	53.70	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	440	--	--	--	--	--	--
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
	07/06/04	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
	10/04/04	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	--	--
	01/05/05	63.18	8.20	0.00	54.98	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	4	<5	<0.5	<0.5	<0.5	--	--
	04/27/05	63.18	8.36	0.00	54.82	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	2.3	<5	<0.5	<0.5	<0.5	--	--
	07/11/05	63.18	9.35	0.00	53.83	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	2.6	<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	<50	<5
	07/06/04	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
	10/04/04	60.64	8.90	0.00	51.74	<100	<50	--	<1	<1	<1	<1	480	<10	<1	<1	6.1	--	--
	01/05/05	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	--	--
	04/27/05	60.64	5.98	0.00	54.66	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	160	--	--	--	--	--	--
	07/11/05	60.64	6.93	0.00	53.71	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	320	--	--	--	--	--	--
MW-15	06/10/03	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'	01/29/04	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
	04/12/04	61.56	7.48	0.00	54.08	<300	56	--	<3	<3	<3	<3	1,200	360	<3	<3	9.8	<300	<30
	07/06/04	61.56	8.67	0.00	52.89	<200	<50	--	<2	<2	<2	<2	750	280	<2	<2	7.5	<200	<20
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	61.56	6.85	0.00	54.71	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	600	--	--	--	--	--	--
	07/11/05	61.56	7.90	0.00	53.66	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	530	--	--	--	--	--	--

Table 1
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-16	06/10/03	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'	01/28/04	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**	<50	<5
	04/12/04	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
	07/06/04	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
	10/04/04	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**	--	--
	01/05/05	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**	--	--
	04/27/05	60.87	6.19	0.00	54.68	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**190**	--	--	--	--	--	--
	07/11/05	60.87	7.19	0.00	53.68	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**340**	--	--	--	--	--	--
MW-17	06/10/03	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'	01/28/04	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
	04/12/04	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
	07/06/04	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
	10/04/04	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	--	--
	01/05/05	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	--	--
	04/27/05	60.31	4.02	0.00	56.29	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	07/11/05	60.31	7.32	0.00	52.99	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-18	06/10/03	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'	01/28/04	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
	04/12/04	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
	07/06/04	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
	10/04/04	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**	--	--
	01/05/05	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**	--	--
	04/27/05	60.36	5.74	0.00	54.62	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**380**	--	--	--	--	--	--
	07/11/05	60.36	6.75	0.00	53.61	<50	<50[1]	--	<0.5	<0.5	<0.5	<0.5	**470**	--	--	--	--	--	--
					MCL	--	--	--	1	150	300	1,750	5						
					Taste & odor threshold	5	100	--	--	42	29	17	5						
					NCRWQCB Cleanup Goals	<50	100	--	0.50	42	29	17	5						

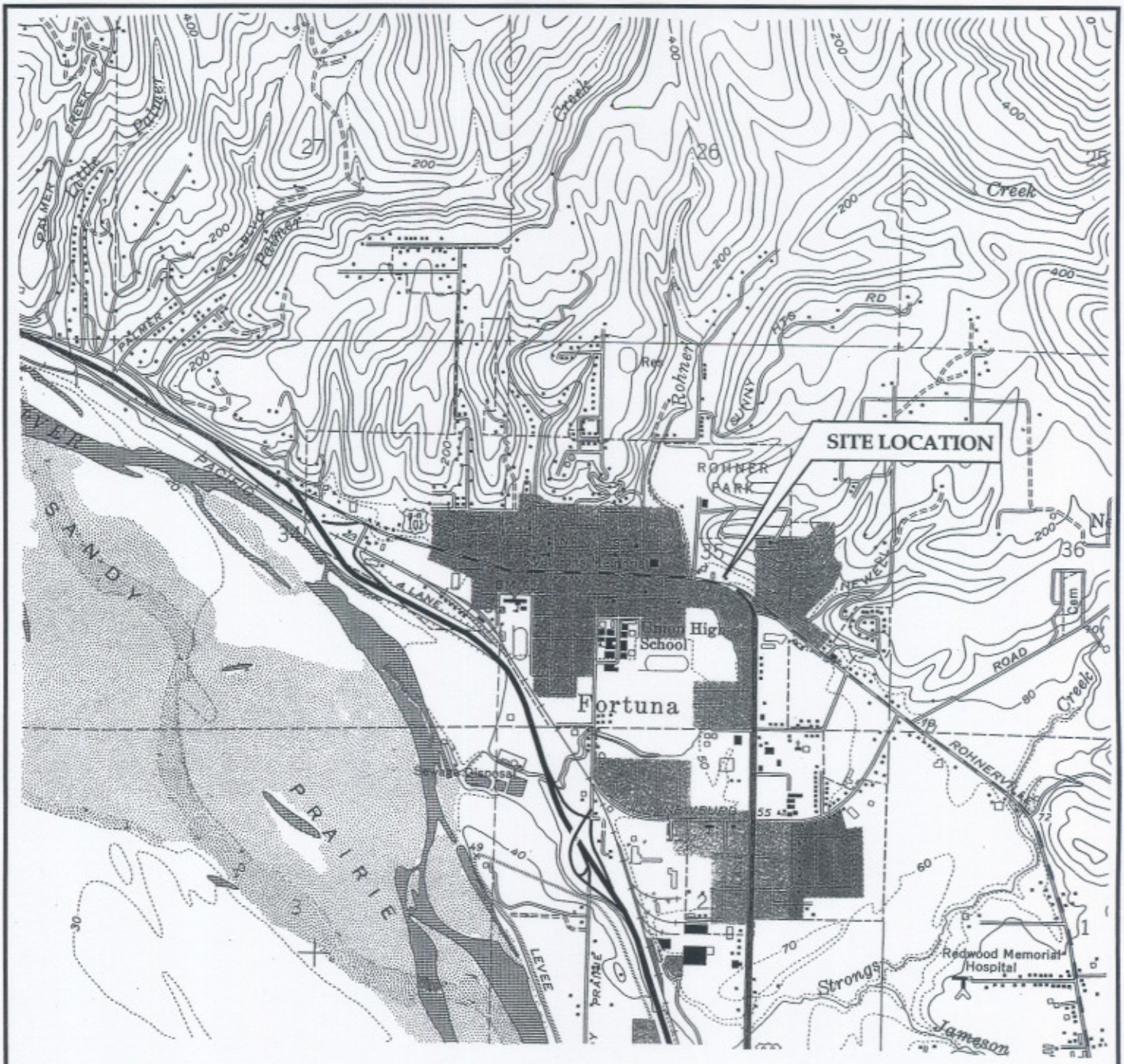
Notes :

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 = parts per billion
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
MW: Monitoring Well
1. Laboratory analysis for diesel and/or motor oil was performed using silica gel cleanup

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)

Table 2
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



SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

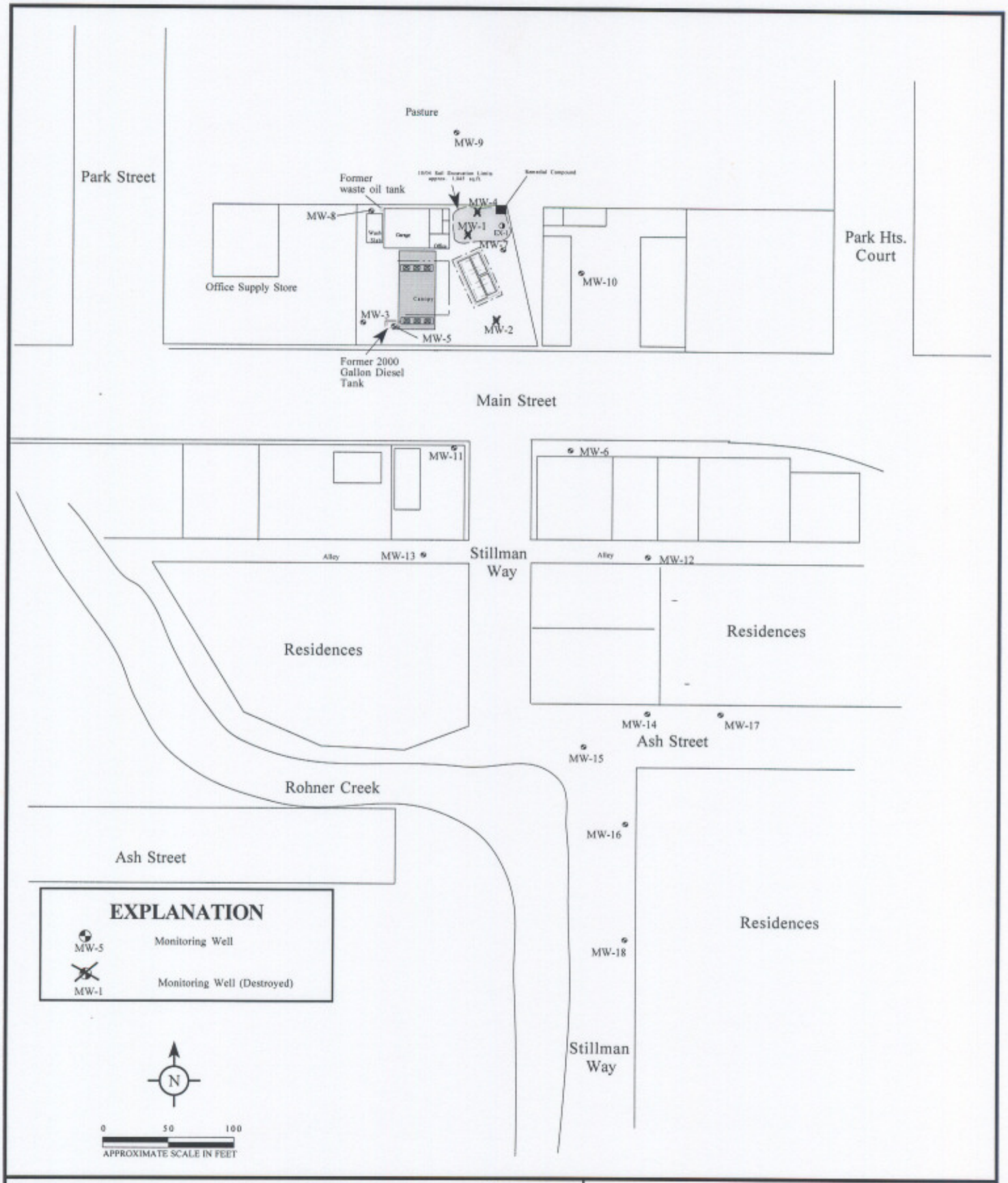
GN MN
0°46′ 14 MILS
18½° 329 MILS

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Site Location Map
Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

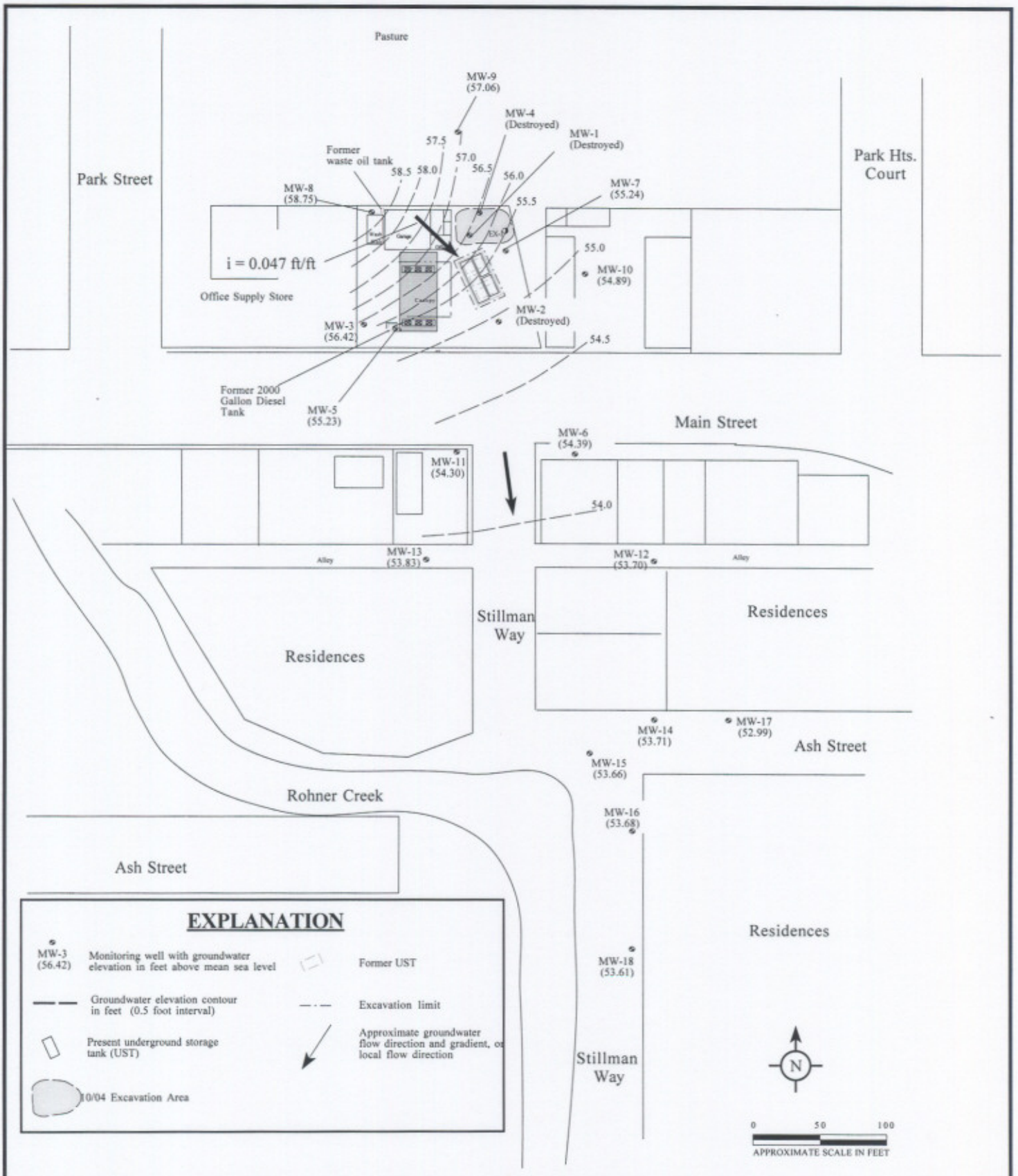
Project No.	Date	Figure
NC-20	8/05	1



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

BLUE ROCK
ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	**8/05**	**2**

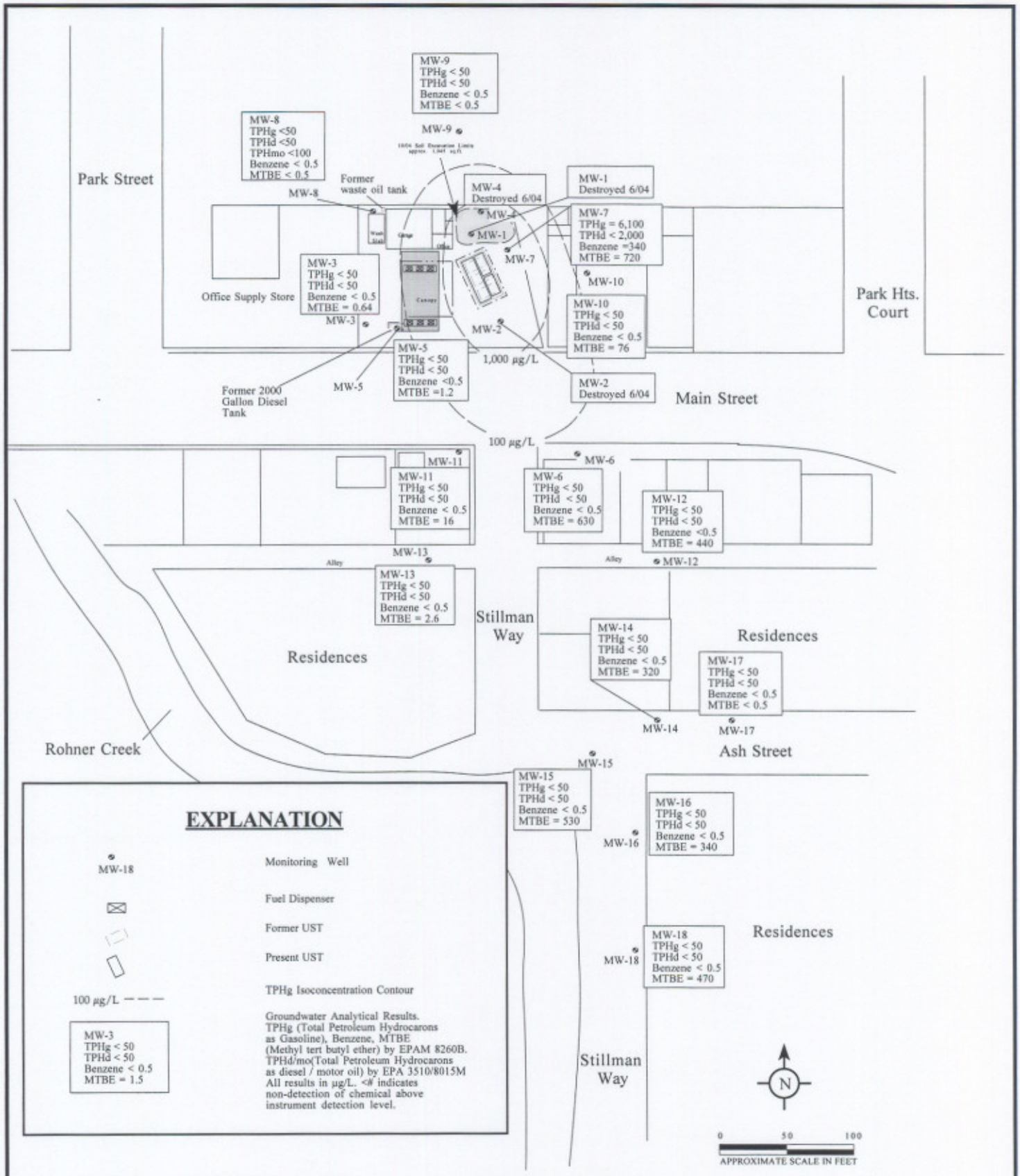


Groundwater Elevations and Gradient 7/11/05

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	8/05	3

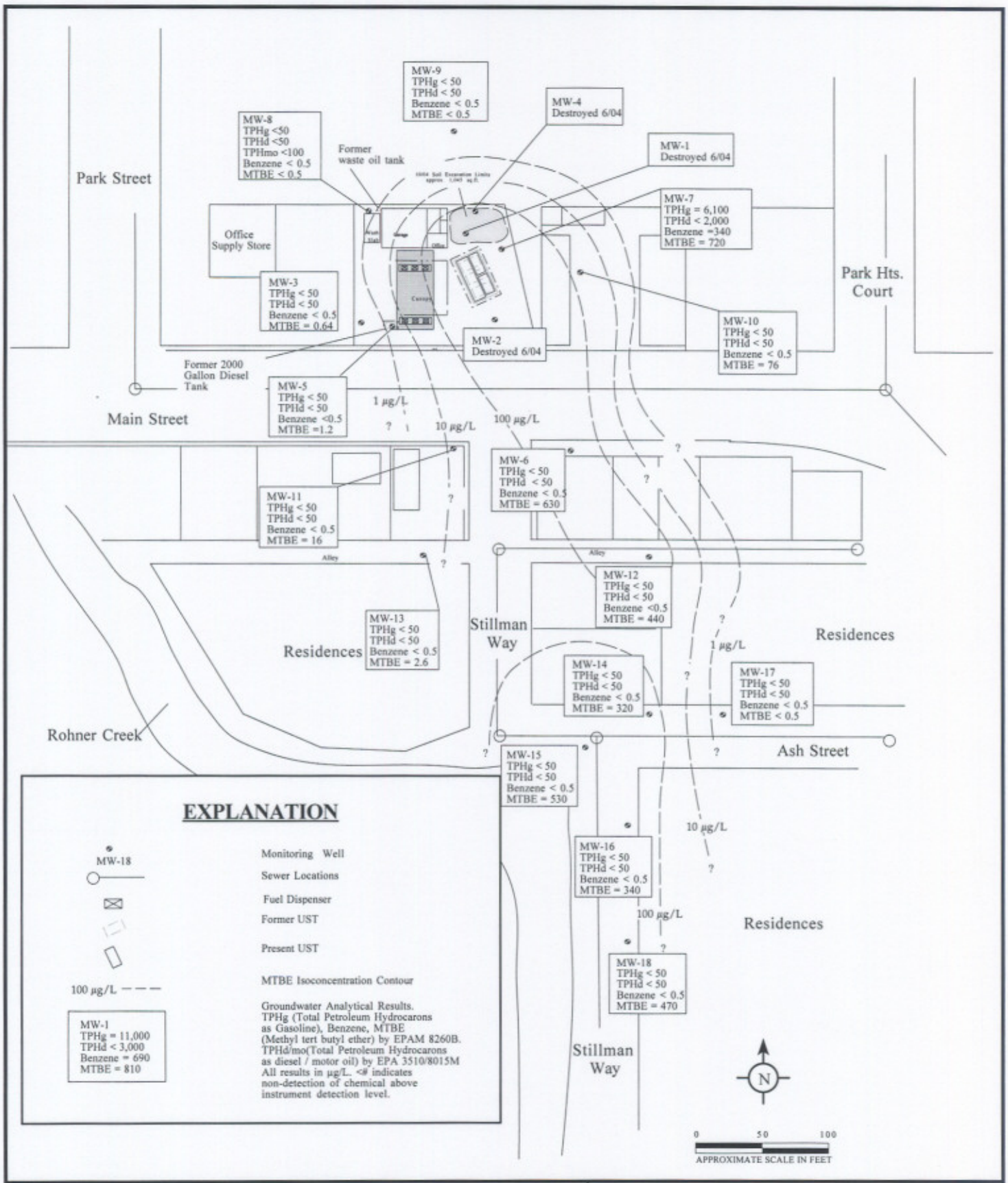


Dissolved-Phase TPHg Distribution 7/11/05

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	8/05	4

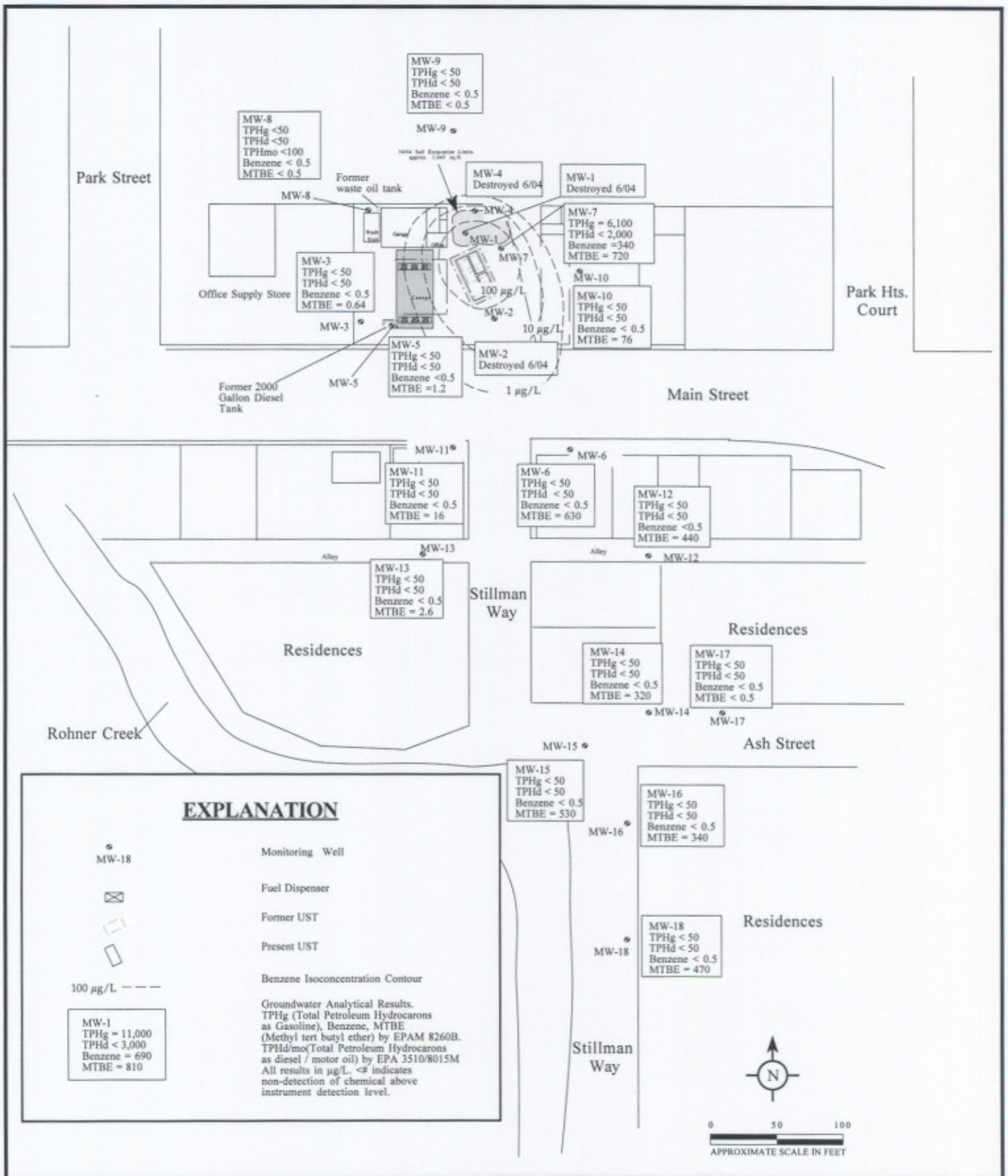


Dissolved-Phase MTBE Distribution 7/11/05

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	8/05	5



Dissolved-Phase Benzene Distribution 7/11/05

Dave's 76
1666 Main Street
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
NC-20	8/05	6

GAGING DATA/PURGE CALCULATIONS

Job No.: NC-20 **Location:** 1666 Main St. Fortuna CA **Date:** 7/11/05 **Tech(s):** JL

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPH (ft.)	NOTES
MW-3	2"	19.84	9.82	10.02	1.60	4.80	0	
MW-5		22.29	10.14	12.15	1.94	5.82		
MW-6		21.96	7.60	14.36	2.29	6.87		
MW-7		24.26	9.55	14.71	2.35	7.05		sheen
MW-8		24.43	7.58	16.85	2.69	8.07		
MW-9		24.21	8.98	15.23	2.43	7.29		
MW-10		23.56	9.26	14.30	2.28	6.84		
MW-11		24.18	9.85	14.33	2.29	6.87		
MW-12		24.02	7.03	16.99	2.71	8.13		
MW-13		23.42	9.35	14.07	2.25	6.75		
MW-14		23.53	6.93	16.60	2.65	7.95		
MW-15		23.81	7.90	15.91	2.54	7.62		
MW-16		20.38	7.19	13.19	2.11	6.33		
MW-17		24.95	7.32	17.63	2.82	8.46		
MW-18		19.18	6.75	12.43	1.98	5.94		

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. Fortuna **Date:** 7/11/05 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-3			---	---	---
Calc. purge	13:45	0.5	265	72.0	5.52
volume	13:50	2.5	266	68.2	5.58
4.80	13:55	5.0	260	68.1	5.62

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: 14:00

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-5			---	---	---
Calc. purge	14:05	0.50	602	68.7	6.11
volume	14:10	2.75	606	65.0	6.22
5.82	14:15	5.75	594	64.5	6.35

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: 14:20

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-6			---	---	---
Calc. purge	15:30	0.50	685	68.4	5.78
volume	15:35	3.75	517	65.3	5.84
6.87	15:40	6.75	483	64.1	5.92

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: 15:45

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main St. Fortuna **Date:** 7/11/05 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-7			---	---	---
Calc. purge	15:00	0.50	296	65.5	5.82
volume	15:05	3.75	436	62.0	5.92
7.05	15:10	7.00	460	61.8	6.03

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

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear / low / mod. / sheen / odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 15:20

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-8			---	---	---
Calc. purge	13:15	0.5	175	71.9	5.19
volume	13:20	4.0	184	66.8	5.56
8.07	13:25	8.0	180	63.0	5.63

Sample for: TPHmo ~~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: 13:30

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-9			---	---	---
Calc. purge	12:45	0.5	271	57.1	5.40
volume	12:50	3.5	281	52.7	5.43
7.29	12:55	7.25	287	51.6	5.51

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: 13:00

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main St. Fortuna **Date:** 7/11/05 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-10			---	---	---
Calc. purge	14:35	0.50	290	70.2	5.73
volume	14:40	3.75	372	65.4	5.95
6.84	14:45	6.75	369	64.8	5.94

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: 14:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-11			---	---	---
Calc. purge	16:00	0.50	623	67.6	5.99
volume	16:05	3.75	511	65.1	6.01
6.87	16:10	6.75	454	64.9	5.98

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: 16:15

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-12			---	---	---
Calc. purge	16:30	0.50	389	66.5	5.38
volume	16:35	4.0	380	64.2	5.44
8.13	16:40	8.10	378	62.9	5.54

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

Purging Method: PVC bailer / Pump

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

Sampling Method: Dedicated / Disposable bailer

Sample at: 16:45

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main st. Fortuna **Date:** 7/11/05 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-13			---	---	---
Calc. purge	17:05	0.50	313	66.9	5.60
volume	17:10	3.50	250	63.7	5.53
6.75	17:16	6.75	241	62.7	5.50

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: 17:20

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-14			---	---	---
Calc. purge	17:35	0.50	608	67.7	5.75
volume	17:40	4.25	569	63.0	5.88
7.95	17:45	8.0	495	62.4	5.92

Sample for: ~~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: 17:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-15			---	---	---
Calc. purge	18:05	0.50	330	65.4	5.63
volume	18:10	3.75	322	62.1	5.68
7.62	18:15	7.60	314	61.6	5.70

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

Purging Method: PVC bailer / Pump

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

Sampling Method: Dedicated / Disposable bailer

Sample at: 18:20

PURGING DATA

Job No.: NC-20 **Location:** 1666 Main st. Fortuna **Date:** 7/11/05 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-16			---	---	---
Calc. purge	18:35	0.50	529	63.0	5.44
volume	18:40	3.25	567	61.6	5.67
6.33	18:45	6.30	507	61.2	5.71

COMMENTS: color, turbidity, recharge, sheen

clear / mod. / mod. / no sheen / slight odor

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

Purging Method: (PVC bailer) / Pump

Sampling Method: Dedicated / (Disposable bailer)

Sample at: 18:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-17			---	---	---
Calc. purge	19:00	0.50	388	67.1	5.15
volume	19:05	4.50	402	64.3	5.20
8.46	19:10	8.50	406	63.1	5.25

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: 19:15

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-18			---	---	---
Calc. purge	19:30	0.60	453	64.2	5.40
volume	19:35	3.25	471	61.1	5.58
5.94	19:40	6.00	431	60.9	5.69

COMMENTS: color, turbidity, recharge, sheen

clear / mod. / mod. / no sheen / odor

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

Purging Method: (PVC bailer) / Pump

Sampling Method: Dedicated / (Disposable bailer)

Sample at: 19:45

KIFF Analytical LLC

Report Number : 44751
Date : 07/20/2005

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

Subject : 15 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

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

KIFF Analytical LLC

Report Number : 44751
Date : 07/20/2005

Subject : 15 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 MW-7.

Surrogate recovery for Method 8015 for samples MW-10 and MW-15 is above the control limits. Since no diesel was detected, no data are flagged.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751

Date : 07/20/2005

Project Name : **Dave's 76**

Project Number : **NC-20**

Sample : **MW-3** Matrix : Water Lab Number : 44751-01

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**0.64**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	95.5		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-5** Matrix : Water Lab Number : 44751-02

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**1.2**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	93.8		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751
Date : 07/20/2005

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **MW-6** Matrix : Water Lab Number : 44751-03
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**630**	1.5	ug/L	EPA 8260B	07/20/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	90.5		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	114		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-7** Matrix : Water Lab Number : 44751-04
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**340**	1.5	ug/L	EPA 8260B	07/14/2005
Toluene	**4.7**	1.5	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**190**	1.5	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**180**	1.5	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**720**	1.5	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**6100**	250	ug/L	EPA 8260B	07/16/2005
Toluene - d8 (Surr)	88.8		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 2000**	2000	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751
Date : 07/20/2005

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **MW-8** Matrix : Water Lab Number : 44751-05
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	91.1		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
TPH as Motor Oil (Silica Gel)	**< 100**	100	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	116		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-9** Matrix : Water Lab Number : 44751-06
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	90.4		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751

Date : 07/20/2005

Project Name : **Dave's 76**

Project Number : **NC-20**

Sample : **MW-10** Matrix : Water Lab Number : 44751-07

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**76**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	89.0		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	131		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-11** Matrix : Water Lab Number : 44751-08

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**16**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	109		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	92.3		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	117		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751
Date : 07/20/2005

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **MW-12** Matrix : Water Lab Number : 44751-09
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.90**	0.90	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.90**	0.90	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.90**	0.90	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.90**	0.90	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**440**	0.90	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 90**	90	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	88.0		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	91.7		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-13** Matrix : Water Lab Number : 44751-10
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**2.6**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	109		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	91.2		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751
Date : 07/20/2005

Project Name : **Dave's 76**
Project Number : **NC-20**

Sample : **MW-14** Matrix : Water Lab Number : 44751-11
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**320**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	88.6		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	93.0		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-15** Matrix : Water Lab Number : 44751-12
Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**530**	1.5	ug/L	EPA 8260B	07/16/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	86.4		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	91.3		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	136		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44751

Date : 07/20/2005

Project Name : **Dave's 76**

Project Number : **NC-20**

Sample : **MW-16** Matrix : Water Lab Number : 44751-13

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**340**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	89.2		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	93.1		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	07/14/2005

Sample : **MW-17** Matrix : Water Lab Number : 44751-14

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	89.6		% Recovery	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	92.9		% Recovery	EPA 8260B	07/14/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 44751

Date : 07/20/2005

Project Name : **Dave's 76**

Project Number : **NC-20**

Sample : **MW-18** Matrix : Water Lab Number : 44751-15

Sample Date :07/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/16/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/16/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/16/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/16/2005
Methyl-t-butyl ether (MTBE)	**470**	1.5	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/16/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	07/16/2005
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	07/16/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	07/14/2005

Approved By: Joel Kiff

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

Report Number : 44751

Date : 07/20/2005

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	07/14/2005
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	07/14/2005
TPH as Motor Oil (Silica Gel)	< 100	100	ug/L	M EPA 8015	07/14/2005
Octacosane (Diesel Surrogate)	104		%	M EPA 8015	07/14/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/14/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/14/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/14/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/14/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/14/2005
Toluene - d8 (Surr)	102		%	EPA 8260B	07/14/2005
4-Bromofluorobenzene (Surr)	94.6		%	EPA 8260B	07/14/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/20/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/15/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/15/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/15/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/15/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/15/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/15/2005
Toluene - d8 (Surr)	98.1		%	EPA 8260B	07/15/2005
4-Bromofluorobenzene (Surr)	108		%	EPA 8260B	07/15/2005

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 : 44751

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 07/20/2005

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	822	832	ug/L	M EPA 8015	7/14/05	82.2	83.2	1.20	70-130	25
Benzene	44751-01	<0.50	40.0	40.0	43.4	43.4	ug/L	EPA 8260B	7/14/05	109	108	0.130	70-130	25
Toluene	44751-01	<0.50	40.0	40.0	42.7	42.7	ug/L	EPA 8260B	7/14/05	107	107	0.0826	70-130	25
Tert-Butanol	44751-01	<5.0	200	200	206	206	ug/L	EPA 8260B	7/14/05	103	103	0.340	70-130	25
Methyl-t-Butyl Ether	44751-01	0.64	40.0	40.0	35.7	34.7	ug/L	EPA 8260B	7/14/05	87.6	85.1	2.94	70-130	25
Benzene	44785-02	<0.50	40.0	40.0	39.5	39.8	ug/L	EPA 8260B	7/15/05	98.8	99.5	0.728	70-130	25
Toluene	44785-02	<0.50	40.0	40.0	38.9	38.8	ug/L	EPA 8260B	7/15/05	97.3	96.9	0.375	70-130	25
Tert-Butanol	44785-02	<5.0	200	200	202	201	ug/L	EPA 8260B	7/15/05	101	100	0.767	70-130	25
Methyl-t-Butyl Ether	44785-02	2.0	40.0	40.0	47.6	48.2	ug/L	EPA 8260B	7/15/05	114	115	1.34	70-130	25
Benzene	44847-43	<0.50	40.0	40.0	41.1	40.1	ug/L	EPA 8260B	7/20/05	103	100	2.52	70-130	25
Toluene	44847-43	<0.50	40.0	40.0	39.4	38.4	ug/L	EPA 8260B	7/20/05	98.4	95.9	2.62	70-130	25
Tert-Butanol	44847-43	<5.0	200	200	200	201	ug/L	EPA 8260B	7/20/05	99.9	100	0.498	70-130	25
Methyl-t-Butyl Ether	44847-43	<0.50	40.0	40.0	40.7	40.2	ug/L	EPA 8260B	7/20/05	102	101	1.21	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 44751

QC Report : Laboratory Control Sample (LCS)

Date : 07/20/2005

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	7/14/05	109	70-130
Toluene	40.0	ug/L	EPA 8260B	7/14/05	105	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/14/05	105	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/14/05	89.0	70-130
Benzene	40.0	ug/L	EPA 8260B	7/15/05	97.7	70-130
Toluene	40.0	ug/L	EPA 8260B	7/15/05	94.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/15/05	95.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/15/05	106	70-130
Benzene	40.0	ug/L	EPA 8260B	7/20/05	104	70-130
Toluene	40.0	ug/L	EPA 8260B	7/20/05	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/20/05	106	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/20/05	104	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: 530.297.4808

Lab No. 44751 Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Locicero

Company/Address: Blue Rock Env. Inc. 535 3rd st. ste. 100 Eureka CA

Phone No.: (707) 441-1934 FAX No.: (707) 441-1949

Project Number: NC-20 P.O. No:

Project Name: Dave's 76

Project Address: 1666 Main st. Fortuna CA

California EDF Report? [X] Yes [ ] No

Recommended but not mandatory to complete this section:
Sampling Company Log Code: - - -

Global ID: T0602300497

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

Sampler Signature: James Linderman

Signal clean up

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only
MW-3	7/11/05	14:00	6		X		X		X				X		X									X	-01
MW-5		14:20																							-02
MW-6		15:45																							-03
MW-7		15:20																							-04
MW-8		13:30												X											-05
MW-9		13:00																							-06
MW-10		14:50																							-07
MW-11		16:15																							-08
MW-12		16:45																							-09
MW-13		17:20																							-10

Relinquished by:	Date	Time	Received by:
James Linderman	7/12/05		Fed Ex
	07/13/05	1155	Kiff Analytical

Remarks:

Sample Receipt
Temp °C 1.6 Therm. ID# IR-3
Initial [illegible] Date 071305
Time 1155 Coolant present: Y / N

Bill to:

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 44751 Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew Lacivero

California EDF Report? ☒ Yes ☐ No

Company/Address: Blue Rock Env. Inc. 535 3rd st. Ste. 100 Eureka CA

Recommended but not mandatory to complete this section:
Sampling Company Log Code: - - -

Phone No.: (707) 441-1934
FAX No.: (707) 441-1949

Global ID: T-0-6-0-2-3-0-0-4-9-7

Project Number: NC-20
P.O. No:

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

Project Name: Dave's 76

Sampler Signature: James Lindemann

Project Address: 1666 Main St. Fortuna CA

Analysis Request: Sigel clean up

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
MW-14	7/11/05	17:50	6		X		X		X				X		X									X	-11
MW-15	↓	18:20	↓		↓		↓		↓				↓		↓									↓	-12
MW-16		18:50																							-13
MW-17		19:15																							-14
MW-18		19:45																							-15

Relinquished by:	Date	Time	Received by:
James Lindemann	7/12/05		Fed Ex
	07/13/05	1155	Kiff Analytical

Remarks:

Bill to:

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9