BLUE ROCK
ENVIRONMENTAL, INC.

Mr. Mark Verhey
Humboldt County Health Department
Division of Environmental Health
100 H Street, Suite 100
Eureka, California 95501

March 3, 2006

Subject: **Well Installation and First Quarter 2006 Groundwater Monitoring Report**
Former Totem Pole Market
580 South Fortuna Boulevard, Fortuna, CA
HCDEH LOP No. 12028
Blue Rock Project No. NC-40

Dear Mr. Verhey,

This document presents data collected during recent well installation and groundwater monitoring activities for the referenced project at 580 South Fortuna Boulevard, Fortuna, Humboldt County, California (site) (Figure 1), and it was prepared for Valerie Ellis by Blue Rock Environmental, Inc. (Blue Rock). The Humboldt County Division of Environmental Health (HCDEH) approved this work in a letter dated December 19, 2005.

Background

Site Description
The former Totem Pole Market is located on the corner of South Fortuna Boulevard and 1st Street in Fortuna, California. The site is located in an area of low topographic relief and is considered part of the Eel River flood plain (Figure 1). The site contains one single-story building. The site formerly contained two (2) 1,000-gallon gasoline and one (1) 550-gallon used oil underground storage tanks (USTs) (Figure 2).

UST Removal & Overexcavation
In 1977, Beacom Construction (Beacom) of Fortuna, California, on behalf of Mr. Marvin Fork, closed the two 1,000 gallon USTs in place by filling with a cement slurry under regulations of the time. In 1988, an Unauthorized Release Form was filed by Mr. Fork with Humboldt County. In 1990, LACO Associates (LACO) was retained to evaluate the site for possible overexcavation. LACO subsequently supervised the excavation of three test pits to determine the feasibility of overexcavation.

In March 1994, the two 1,000-gallon gasoline USTs were removed by Haberstock Construction. At that time, the third 550-gallon used oil UST was discovered and removed. The three USTs were transported to Erickson Inc of Richmond, California. Following UST removal, approximately 180 cubic yards of petroleum hydrocarbon impacted soil was overexcavated and disposed of at B&J landfill in Vacaville, California.

Site Investigation History

Subsurface investigation activities have been ongoing at the site since 1995. A total of approximately 27 soil borings have been drilled and six monitoring wells (MW-1, MW-2, MW-3, MW-4S, MW-4D and MW-5D) had been installed at the site (Figure 2). Groundwater monitoring has been ongoing since the wells were installed. Following the installation of MW-4S, 4D and 5D, it was learned that two water bearing zones appeared to be present beneath the site. This prompted the destruction of MW-1 through MW-3 (screened through both zones) and the installation of two additional nested well pairs MW-1D, 1S, 3D and 3S.

Historical well construction data are summarized in Table 1. Historical soil and groundwater sample data are summarized in Tables 2, 3, and 4, respectively. Sample data from nearby private wells are summarized in Table 5.

Summary of Petroleum Type

The predominant contaminant types that have been detected in the subsurface include total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and the fuel oxygenates MTBE, TBA, ETBE, and TAME. TPH as diesel (TPHd) has also been detected, but at lower levels.

Field Activities

Purpose and Scope

The purpose of the current phase of work was to further evaluate the shallow water bearing zone at approximately 4 to 9 feet bgs and the lower water bearing zone from approximately 14 to 20 feet bgs by performing the following:

- Destruction of MW-1, MW-2, and MW-3.
- Installation and development of two shallow groundwater monitoring wells (screen 4-9 ft bgs) and two deep groundwater monitoring wells (screen 14-19 ft bgs) located proximal to the former monitoring wells MW-1 and MW-3.
- Collection of soil and groundwater samples from borings and monitoring wells for laboratory analysis.
- Surveying of all wellhead elevations per Geotracker to determine a groundwater flow direction and gradient in the two water bearing zones below the site.

Well Destruction

On January 19, 2006, Blue Rock supervised the destruction of MW-1, 2 and 3 due to the fact the wells appeared to be screened across two water bearing zones. Drilling activities were performed by Mitchell Drilling Environmental, a C-57 licensed driller based in Eureka, California. Destruction was completed by over-drilling methods. Each well annulus was over-drilled with eight-inch diameter augers to its total depth (i.e. 15 ft bgs). The well casings and protective boxes were removed. Each borehole was backfilled with cement grout and finished to match the existing

grade. Well destruction cuttings were stored in 55 gallon DOT drums and stored on site pending future disposal at a licensed facility.

Soil Boring Activities

On January 19, 2006, Blue Rock supervised the drilling of four soil borings associated with the subject property: MW-1D, 1S, 3D and 3S (Figure 2). These soil borings were placed in locations to further assess potential petroleum hydrocarbon impact associated with the former USTs. Borings MW-1D and 3D were advanced to 19 feet bgs, and MW-1S and 3S were advanced to 9 feet bgs using an eight-inch diameter hollow stem auger drill rig. Drilling and well installation activities were performed by Mitchell Drilling Environmental, a C-57 licensed driller based in Eureka, California.

Soil samples were collected from each boring during drilling activities at approximate 5-foot depth intervals. All soil samples were screened in the field using an Organic Vapor Meter (OVM), and two to four soil samples were selected to be analyzed from each boring. Sample containers were labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.

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

- TPHd by EPA Method 8015M with silica gel cleanup
- TPHg EPA Method 8260B
- BTEX by EPA Method 8260B
- MTBE, DIPE, ETBE, TAME and TBA by EPA Method 8260B

Groundwater Monitoring Well Installation Activities

On January 19, 2006, Blue Rock supervised the installation of four monitoring wells in soil borings MW-1D, 1S, 3D and 3S (Figure 2). Wells MW-1D and MW-3D were installed to a depth of 19 feet bgs (screened from 14 to 19 feet bgs), and wells MW-1S and MW-3S were installed to a depth of 9 feet bgs (screened from 4 to 9 feet bgs). Monitoring wells were constructed in accordance with Blue Rock's workplan dated November 7, 2005. Well construction data is presented in Table 1 and boring logs / well construction diagrams are included in Appendix A.

Monitoring Well Survey

On January 25, 2006, the four newly installed monitoring wells were surveyed to an established benchmark relative to mean sea level. These monitoring wells were also surveyed using GPS equipment to obtain the latitude and longitude of the wellheads for the Geotracker data base.

Groundwater Monitoring Well Development

On January 30, 2006, the four newly installed monitoring wells were developed by purging approximately ten well casing volumes from each well.

Groundwater Monitoring Activities

On January 30, 2005, the seven wells (MW-1D, MW-1S, MW-3D, MW-3S, MW-4D, MW-4S and MW-5D) 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 with silica gel cleanup
- TPHg EPA Method 8260B
- BTEX and MTBE by EPA Method 8260B

Soil and Groundwater Investigation Results

Borehole Logging

Soil types observed during this drilling event were generally consistent with those previoulsy logged at the site.

The following soil types were logged at MW-1S and MW-1D. An elastic clayey silt (MH/CH) was observed from 0-6 ft bgs, which exhibited orange mottling. A clayey silt (ML) was present from 6-11 ft bgs. A silty sand (SM) was observed from 11-19 ft bgs. This sand contained some fine gravel locally. Free water was first encountered at a depth of approximately 5 ft bgs. Following well completion, groundwater stabilized at a depths of approximately 2.5 ft bgs in MW-1S (screen 4-9 ft bgs) and 10.9 ft bgs in MW-1D (screen 14-19 ft bgs).

The following soil types were logged at MW-3S and MW-3D. A clayey silt (ML/CL) was observed from 0-6 ft bgs, which exhibited orange mottling. A clayey silt with fine sand (ML/CL) was present from 6-11 ft bgs. A silty sand (SM) was observed from 11-19 ft bgs, which contained some fine gravel locally. Free water was first encountered at a depth of approximately 3.5 ft bgs. Following well completion, groundwater stabilized at a depths of approximately 1.5 ft bgs in MW-3S (screen 4-9 ft bgs) and 11.1 ft bgs in MW-3D (screen 14-19 ft bgs).

Soil boring logs and well completion diagrams are included in Appendix A.

Groundwater Flow Direction and Gradient (Shallow Zone 4-9 ft bgs)

Static groundwater was present beneath the site in MW-1S, 3S and 4S at depths ranging from approximately 1.55 (MW-3S) to 3.44 (MW-4S) feet bgs. Gauging data, combined with top of casing elevation data, were used to calculate groundwater elevation, and to generate a groundwater elevations and gradient map. The groundwater flow direction was calculated to be northwest at 0.077 ft/ft in the shallow zone (Figure 3a).

Groundwater Flow Direction and Gradient (Deep Zone 14-19 ftbgs)

Static groundwater was present beneath the site in MW-1D, 3D, 4D and 5D at depths ranging from approximately 10.97 (MW-3D) to 9.03 (MW-5D) feet bgs. Gauging data, combined with top of casing elevation data, were used to calculate groundwater elevation, and to generate a groundwater elevations and gradient map. The groundwater flow direction was calculated to be south at 0.007 ft/ft in the deep zone (Figure 3b).

Soil Sample Analytical Results

TPHd:	<1 mg/kg (numerous samples) to 2,800 mg/kg (MW-1S-4')
TPHg:	<1 mg/kg (numerous samples) to 2,600 mg/kg (MW-1S-4')
Benzene:	<0.005 mg/kg (numerous samples) to 0.088 (MW-1D-15')
MTBE:	<0.005 mg/kg (numerous samples) to <0.20 (MW-1S-4')

Soil sample analytical results for this phase of investigation are shown on Figure 4, and cumulative soil sample data are listed in Table 2. Copies of the laboratory report and chain-of-custody form are attached.

Groundwater Sample Analytical Results

Groundwater Sample Analytical Results (Shallow Zone 4-9 ft bgs)

LNAPL:	none
TPHd:	<50 µg/L (MW-4S) to <200 µg/L (MW-1S)
TPHg:	<50 µg/L (MW-4S) to 260 µg/L (MW-1S)
Benzene:	<0.50 µg/L (all wells)
MTBE:	<0.50 µg/L (all wells)

Groundwater Sample Analytical Results (Deep Zone 14-19 ft bgs)

LNAPL:	none
TPHd:	<50 µg/L (MW-3D, MW-4D, MW-5D) to <1,000 µg/L (MW-1D)
TPHg:	<50 µg/L (MW-4D, MW-5D) to 4,600 µg/L (MW-1D)
Benzene:	<0.50 µg/L (MW-3D, MW-4D, MW-5D) to 96 µg/L (MW-1D)
MTBE:	<0.50 µg/L (all wells)

Cumulative monitoring well groundwater sample data are summarized in Table 3, and cumulative grab groundwater sample data are summarized in Table 4. Cumulative groundwater sample data for the shallow and deep zones are shown on Figure 5a and 5b, respectively. Copies of the laboratory report and chain-of-custody form are attached.

Discussion

Hydrogeologic Conditions

Historical investigation data were used to construct geologic cross-sections shown on Figures 2a and 2b. The first couple feet below grade consists of baserock fill. A clayey silt or silty clay (CL-ML) appears to be laterally continuous across the site from 2 to 10 feet bgs. Static groundwater has been found to occur in this zone at a depths ranging between approximately 2 to 5 feet bgs (based on data from discretely screened wells).

The depth interval from 10 to 20 feet bgs is characterized by sands (SM-SC), which appears to contain fine gravel (GM) locally at a depth of 15 ft bgs and lower. This sand unit appears to be present beneath the former USTs and extends laterally to the north and east; however, it appears to pinch out, or grade to finer-grained sediments (i.e. ML with sand), laterally to the south and west (Figure 2a and 2b). Static groundwater has been found to occur in this zone at a depths ranging between approximately 10 to 15 feet bgs (based on data from discretely screened wells).

The installation of these new discretely screened wells allowed for calculation of groundwater flow direction for both the shallow and deep zones for the first time. The groundwater flow direction in the shallow zone (screen 4-9 ft bgs) was toward the northwest, which is consistent with local topographic slope and the distribution of petroleum hydrocarbons extending northwest from the former UST system. The groundwater flow direction in the deep zone (14-19 ft bgs) was toward the south at a low gradient (i.e. 0.007 ft /ft). This flow direction is not consistent with local topographic relief or the distribution of petroleum hydrocarbons detected in this zone. Additional groundwater monitoring events will be needed to determine if the southerly flow direction in the deep zone is, or is not, an anomaly.

The potential for a vertical gradient between the shallow and deep zones was evaluated by comparing groundwater elevations of three dual completion well sets (i.e. MW1S and MW-1D, etc). In general, groundwater elevations in the shallow screened wells were 6 to 10 feet higher than those in the deep screened wells. This condition suggests a downward gradient between the two zones.

Distribution and Mass of Gasoline in Soil

The residual sorbed-phase gasoline plume appears to be delineated. It is generally located at a depth of approximately 3 to 10 feet bgs, with the highest levels of TPHg remaining along the western side of the excavations and extending north and west under 1st Street; however, the extent of the residual sorbed-phase plume does not appear to encroach onto adjoining properties based on soil analytical data collected from B5/1-15 and B4-0299. The maximum residual sorbed-phase TPHg concentration was detected along the western limit of the northern excavation at 4,600 mg/kg. Further excavation in that direction was unfeasible due to the location of the building. In their report dated June 2005, LACO estimated that a mass of approximately 880 lbs (400 kg) of TPHg remained in the sorbed-phase. The estimated extent of TPHg in soil from 3 to 10 ft bgs is shown on Figure 6, and in cross-sections shown on Figure 2a and 2b.

Distribution of Gasoline in Groundwater

Distribution of Gasoline in Groundwater (Shallow Zone 4-9 ft bgs)
Results of monitoring well sampling indicate that the shallow water bearing zone is impacted by gasoline hydrocarbons. The maximum concentration of TPHg detected from shallow screened wells was 260 µg/L, located approximately 40 feet north of the former UST (Figure 5a). It is noteworthy that TPHd, benzene, and MTBE were non-detect in all shallow zone screened wells.

Previous shallow zone groundwater sample data from borings in 1997 and 1999 suggested that a dissolved-phase gasoline plume was located to the north and northwest of the former USTs. The current suite of shallow zone wells (MW-1S, MW-3S, and MW-4S) appears to effectively delineate and monitor dissolved-phase gasoline concentrations downgradient of the former USTs (Figure 5a).

Distribution of Gasoline in Groundwater (Deep Zone 14-19 ft bgs)
Results of monitoring well sampling indicate that the shallow water bearing zone is impacted by gasoline hydrocarbons. The maximum concentrations of TPHg and benzene detected from deep screened wells were 4,600 µg/L and 96 µg/L, respectively, at MW-D located approximately 40 feet north of the former UST (Figure 5b). It is noteworthy that TPHd and MTBE were non-detect in all deep zone screened wells.

Previous deep zone groundwater sample data from borings in 1997 and 1999 suggested that a dissolved-phase gasoline plume was located to the north of the former USTs. The combination of previous grab groundwater samples and deep screened well samples appears to effectively delineate the dissolved-phase gasoline concentrations in this zone (Figure 5b).

However, it appears additional monitoring is necessary to further evaluate trends in groundwater flow direction and gradient as well as trends in the magnitude and extent of contaminant concentrations over time within the two water bearing zones.

Recommendations

Based on data collected during this phase of the investigation, Blue Rock recommends the following:

- The continuation of a quarterly groundwater monitoring for a minimum of one hydrologic cycle with groundwater samples analyzed for TPHg, BTEX and MTBE by EPA Method 8260B and TPHd by EPA Method 8015M.

- Groundwater from all wells should be analyzed with the exception of MW-5D, as this well has been non-detect for TPHd, TPHg, BTEX, and Fuel Oxygenates from February 2005 to January 2006 (five monitoring events). Depth to water in MW-5D should continue to be collected.

Project Status

The site is currently being monitored on a quarterly basis per the HCDEH directives. The next quarterly sampling event is scheduled for March 2006. Blue Rock has been unable to this point to contact the property owner of 478 South Fortuna Blvd so that access to sample the water well presumably located there could be obtained. Blue Rock will continue to attempt to obtain access to the property.

References

LACO Associates Consulting Engineers. June 2005. *Subsurface Investigation Status Report and Groundwater Monitoring Report – Boring and Monitoring Well Installation and First Quarter 2005 Monitoring Results*. Former Totem Pole Market, Fortuna, CA.

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. 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: Well Construction Details
Table 2: Data Soil Analytical Data
Table 3: Groundwater Elevations and Analytical Data
Table 4: Cumulative Grab Groundwater Analytical Data
Table 5: Domestic Well Analytical Data

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 2a: Cross Section A to A'
Figure 2b: Cross Section B to B'
Figure 3a: Groundwater Elevations and Gradient 1/30/06 (Shallow Zone 4-9 ft bgs)
Figure 3b: Groundwater Elevations and Gradient 1/30/06 (Deep Zone 14-19 ft bgs)
Figure 4: Soil Sample Results 1/19/06
Figure 5a: Cumulative Groundwater Sample Results (Shallow Zone)
Figure 5b: Cumulative Groundwater Sample Results (Deep Zone)
Figure 6: TPHg in Soil (3' to 10' bgs)

Appendix A: Boring Logs with Monitoring Well Construction Detail
Appendix B: Blue Rock Gauge / Purge Calculations
Appendix C: Laboratory Reports

Distribution

Val Ellis, PO Box 378, Miranda, CA 95553

TABLES

Table 1
WELL CONSTRUCTION DETAILS
Former Totem Pole Market
508 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Monitoring Well Identification	Date Intstalled	Intstalled by	Casing Diameter (inches)	Total Depth (feet)	Blank Interval (feet)	Screened Interval (feet)	Slot Size (inches)	Filter Pack (feet)	Bentonite Seal (feet)	Cement Grout (feet)
MW-1*	6/25/96	Laco	2	15	0-5	5-15	0.01	4-15	2-4	0-2
MW-2*	6/25/96	Laco	2	15	0-5	5-15	0.01	4-15	2-4	0-2
MW-3*	6/25/96	Laco	2	15	0-5	5-15	0.01	4-15	2-4	0-2
MW-4S	2/5/05	Laco	2	9	0-4	4-9	0.01	3-9	1-3	0-1
MW-4D	2/5/05	Laco	2	18	0-13	13-18	0.01	12-18	10-12	0-10
MW-5D	2/5/05	Laco	2	20	0-15	15-20	0.01	14-20	12-14	0-12
MW-1D	1/19/06	Blue Rock	2	19	0-14	14-19	0.01	13-19	12-13	0-12
MW-1S	1/19/06	Blue Rock	2	9	0-4	4-9	0.01	3-9	2-3	0-2
MW-3D	1/19/06	Blue Rock	2	19	0-14	14-19	0.01	13-19	12-13	0-12
MW-3S	1/19/06	Blue Rock	2	9	0-4	4-9	0.01	3-9	2-3	0-2

* = well has been destroyed

Table 2
SOIL ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Depth (feet bgs)	Sample Date	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TBA, ETBE, DIPE, TAME (mg/kg)	Pb (mg/kg)
1990 Test Pits											
3472-1	--	11/6/90	--	<1	<0.005	<0.005	<0.005	<0.01	--	--	--
3472-2	--	11/6/90	--		--	--	--	--	--	--	**6.8**
3472-3	--	11/6/90	--	<1	<0.005	<0.005	<0.005	<0.01	--	--	--
3472-4	--	11/6/90	--		<0.005	<0.005	<0.005	<0.01	--	--	**5.7**
1994 Overexcavation											
1	4' - 5'	3/1/94	--	**1.1**	<0.005	<0.005	<0.005	<0.01	--	--	--
2	4' - 5'	3/1/94	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
3	4' - 5'	3/1/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
4	4' - 5'	3/1/94	--	--	--	--	--	--	--	--	**7**
5	5'	3/4/94	--	**3.2**	<0.005	<0.005	<0.02	<0.02	--	--	--
6	5'	3/4/94	--	**8.1**	<0.005	<0.005	<0.06	<0.06	--	--	--
7	5'	3/4/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
8	5'	3/4/94	--	**400**	<0.05	<0.3	<10	<10	--	--	--
9	5'	3/4/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
10	5'	3/4/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
11	5'	3/4/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
12	5'	3/4/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
13	--	3/5/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
14	--	3/5/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
15	5'	3/5/94		**670**	<0.1	<0.5	<10	<10	--	--	--
16	4'-5'	3/11/94	--	**3.9**	<0.005	<0.005	<0.1	<0.1	--	--	--
17	4'-5'	3/11/94	--	**750**	<0.25	<0.25	<0.1	<0.1	--	--	--
18	4'-5'	3/11/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
19	4'-5'	3/11/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
20	--	3/14/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
21	--	3/14/94	--	**1.5**	<0.005	<0.005	<0.005	<0.01	--	--	--
22	--	3/16/94	**35**	**670**	<1	<5	<5	<5	--	--	**7.7**
23	4'-5'	3/21/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
24	4'-5'	3/21/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
25	4'-5'	3/21/94	--	<1.0	<0.005	<0.005	<0.005	<0.01	--	--	--
26	4'-5'	3/22/94	--	**4,600**	<1.3	<10	<50	<50	--	--	--
27	4'-5'	3/22/94	--	**590**	<0.25	<2	<10	<10	--	--	--
28	4'-5'	3/22/94	--	**980**	**0.52**	<5	<20	<20	--	--	--
1A,1B,1C,1D	SP	4/1/94	--	**450**	<0.1	<1	<10	<10	--	--	**11**
2A,2B,2C,2D	SP	4/1/94	--	**1.4**	<0.005	<0.005	<0.005	<0.01	--	--	**17**
1996 Investigation											
B-1	3'	2/27/96	--	<1.0	<0.005	<0.005	<0.005	<0.01	<0.05	--	--
B-2	2.5'	2/27/96	--	<1.0	<0.005	<0.005	<0.005	<0.01	<0.05	--	--
B-2	8'	2/27/96	--	<1.0	<0.005	<0.005	<0.005	<0.01	<0.05	--	--
B-3	2'	2/27/96	--	**480**	**0.15**	<0.03	<5	<5	<0.5	--	--
B-3	7' - 9'	2/27/96	--	**370**	<.1	<0.2	<0.4	<0.4	<1	--	--
B-3	12' 14'	2/27/96	--	**50**	**0.049**	<0.05	<1	<1	<0.05	--	--
B-5	2.5'	2/27/96	--	**57**	**0.042**	<0.05	<0.5	<0.5	<0.05	--	--
B-5	7'	2/27/96	--	**5.1**	**0.037**	**0.012**	**0.056**	**0.243**	<0.05	--	--
B-6	2.5'	3/1/96	--	<1.0	<0.005	<0.005	<0.005	<0.01	<0.05	--	--
B-6	7'	3/1/96	--	<1.0	<0.005	<0.005	**0.014**	**0.029**	<0.05	--	--
MW-1	4.5'-6.5'	6/25/96	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
MW-1	10'-11.5'	6/25/96	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
MW-1	15'-16.5'	6/25/96	--	**30**	<0.025	<0.025	<0.5	<0.5	<0.05	--	**5.5**
MW-2	5'-6.5'	6/25/96	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	**5.2**
MW-2	10'-11.5'	6/25/96	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
MW-2	15'-16.5'	6/25/96	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
PZ-3	5'-6.5'	6/25/96	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	**5.7**
PZ-3	10'-11.5'	6/25/96	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
PZ-3	15'-16.5'	6/25/96	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--

Table 2
SOIL ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Depth (feet bgs)	Sample Date	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TBA, ETBE, DIPE, TAME (mg/kg)	Pb (mg/kg)
1997 Investigation											
B-1/1-15	5'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-1/1-15	10'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-2/1-15	3'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-2/1-15	5'	1/15/97	--	**1.1**	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-2/1-15	10'	1/15/97	--	**4.9**	<0.005	<0.5	<0.5	<0.5	<0.05	--	--
B-3/1-15	5'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-3/1-15	10'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-4/1-15	5'	1/15/97	--	**1,700**	<.5	<2.5	<20	<20	<5	--	--
B-4/1-15	10'	1/15/97	--	<1.0	**0.0052**	<0.005	**0.02**	**0.027**	<0.05	--	--
B-5/1-15	3'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-5/1-15	5'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-5/1-15	10'	1/15/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-6/1-16	2.5'	1/16/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-6/1-16	5'	1/16/97	--	**910**	<0.5	<0.5	<10	<10	<5	--	--
B-7/1-16	1.5'	1/16/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-7/1-16	5'	1/16/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-8/1-16	3'	1/16/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-8/1-16	5'	1/16/97	--	**83**	**0.62**	**3.3**	**0.77**	**2.9**	<0.25	--	--
B-9/1-16	5'	1/16/97	--	**130**	<0.13	<0.13	<.5	<.5	<0.13	--	--
B-9/1-16	10'	1/16/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
B-9/1-16	15'	1/16/97	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
1999 Investigation											
3472 B1 - 0299	5'	2/17/99	--	**39**	<0.005	<0.005	<0.5	<0.5	<0.05	--	--
3472 B2 - 0299	5'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B2 - 0299	9'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B2 - 0299	14'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B2 - 0299	19'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B3 - 0299	5'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B3 - 0299	9'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B3 - 0299	14'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B3 - 0299	19'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B4 - 0299	5'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B4 - 0299	9'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B4 - 0299	14'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B4 - 0299	19'	2/17/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B5 - 0299	5'	2/18/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B5 - 0299	9'	2/18/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B5 - 0299	14'	2/18/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
3472 B5 - 0299	19'	2/18/99	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
2001 Investigation											
HB1-01	4.5'	1/5/01	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
HB2-01	4.5'	1/5/01	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
HB3-01	4.5'	1/5/01	--	**1.7**	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
HB4-01	4.5'	1/5/01	--	**1**	<0.005	<0.005	<0.005	<0.005	<0.05	--	--
HB5-01	4.5'	1/5/01	--	**1,100**	<0.25	<0.25	<2	<2.5	<2.5	--	--
HA-EJFI	5'	6/21/01	--	**1.2**	<0.005	<0.005	<0.005	<0.005	<0.05	--	--

Table 2
SOIL ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Depth (feet bgs)	Sample Date	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TBA, ETBE, DIPE, TAME (mg/kg)	Pb (mg/kg)
2005 Investigation											
B-10	8	2/2/05	**3.1**	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-10	12	2/2/05	**1.6**	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-10	16	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-10	20	2/2/05	**3.1**	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-11	4	2/2/05	**14**	**53**	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-11	8	2/2/05	**4**	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-11	12	2/2/05	**1.7**	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-11	16	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-11	20	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-12	4	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-12	8	2/2/05	**2.3**	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-12	12	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-12	16	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
B-12	20	2/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.01	<0.025	<0.01 -<0.5	--
2006 Investigation											
MW-1D@ 5'	5	1/19/06	**31**	**8.1**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01 -<0.005	--
MW-1D@ 10'	10	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01 -<0.005	--
MW-1D@ 15'	15	1/19/06	**150**	**110**	**0.088**	<0.025	**0.36**	**0.40**	<0.025	<0.15 -<0.025	--
MW-1D@ 19'	19	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.0063[1] -<0.005	--
MW-1S@ 4'	4	1/19/06	**2,800**	**2,600**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20 - <0.90	--
MW-1S@ 9'	9	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
MW-3D@ 5'	5	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
MW-3D@ 10'	10	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
MW-3D@ 15'	15	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
MW-3D@ 19'	19	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.0064[1] -<0.005	--
MW-3S@ 4'	4	1/19/06	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--
MW-3S@ 9'	9	1/19/06	**150**	**120**	**0.015**	<0.005	**0.040**	**0.085**	<0.005	<0.015 - <0.005	--

Notes

bgs: below ground surface
"--" Not analyzed, available or applicable
mg/kg = milligrams per kilogram
<###: Not detected above the method detection limit as shown
TPHg: Total petroleum hydrocarbons as gasoline by EPA Method 5030/8015M or 5030/8260B
TPHd: Total petroleum hydrocarbons as diesel by EPA Method 8015
BTEX by EPA Method 8020 or 8260B
MTBE: Methyl tertiary butyl ether by EPA 8020 or 8260B
Lead by EPA Method 6010

TBA: Tertiary butanol by EPA 8260B
DIPE: Di isopropyl ether by EPA 8260B
ETBE: Ethyl tertiary butyl ether by EPA 8260B
TAME: Tertiary amyl methyl ether by EPA 8260B
[1] : Concentration of TBA

Table 3
GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHd (µg/L)	TPHg (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)	Pb (µg/L)
MW-1	8/12/96	98.70	13.92	0.00	84.78	<500	1,700	72	<3	24	72	<10	--	--	--	--	--
	9/9/96	98.70	14.40	0.00	84.30	--	--	--	--	--	--	--	--	--	--	--	--
Screen	10/8/96	98.70	14.40	0.00	84.30	--	--	--	--	--	--	--	--	--	--	--	--
5' - 15'	11/25/96	98.70	6.00	0.00	92.70	110	1,700	31	<5	38	59	<5	--	--	--	--	<2
	1/9/97	98.70	4.78	0.00	93.92	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/97	98.70	4.92	0.00	93.78	330	930	1.8	<10	14	20	<5	--	--	--	--	--
	3/19/97	98.70	10.05	0.00	88.65	--	--	--	--	--	--	--	--	--	--	--	--
	4/7/97	98.70	11.66	0.00	87.04	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/97	98.70	12.11	0.00	86.59	480	790	1.3	2.7	5.9	16.7	<5	--	--	--	--	--
	6/3/97	98.70	12.64	0.00	86.06	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/97	98.70	13.57	0.00	85.13	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/97	98.70	13.98	0.00	84.72	--	--	--	--	--	--	--	--	--	--	--	--
	1/16/98	98.70	9.32	0.00	89.38	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/98	98.70	9.79	0.00	88.91	190	1,000	2.8	<2	15	<10	<5	--	--	--	--	--
	2/22/99	98.70	7.61	0.00	91.09	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/99	98.70	--	0.00	--	120	830	<5	<5	12	<5	<5	--	--	--	--	--
	5/3/01	98.70	12.22	0.00	86.48	300	4,700	14	<30	28	38	<30	--	--	--	--	--
	9/4/01	98.70	13.95	0.00	84.75	--	--	--	--	--	--	--	--	--	--	--	--
	11/9/01	98.70	13.90	0.00	84.80	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/03	98.70	9.54	0.00	89.16	140	1,900	0.85	<0.5	5.5	0.74	<1	ND	3.9	ND	ND	--
	5/16/03	98.70	7.82	0.00	90.88	220	1,500	<0.5	<0.5	3.8	<.5	<1	ND	4.3	ND	ND	--
	8/6/03	98.70	13.59	0.00	85.11	280	2,000	1.4	<0.5	4.4	1.0	<1	ND	3.0	ND	ND	--
	11/11/03	98.70	13.97	0.00	84.73	--	2,000	4.3	<0.5	3.4	1.8	<1	ND	ND	ND	ND	--
	2/17/04	98.70	5.96	0.00	92.74	290	2,600	<.5	<0.5	5.0	0.53	<1	ND	ND	ND	ND	--
	5/14/04	98.70	12.31	0.00	86.39	140	2,200	1.2	<0.5	3.0	1.31	<1	ND	ND	ND	ND	--
	8/17/04	98.70	13.98	0.00	84.72	--	2,700	3.5	<0.5	3.1	0.87	<1	ND	ND	ND	ND	--
	11/30/04	98.70	13.96	0.00	84.74	--	2,900	10	<0.5	3.0	1.0	<1	ND	ND	ND	ND	--
	2/28/05	58.63	8.75	0.00	49.88	160	3,700	<.5	<0.5	4.4	0.60	<1	ND	2.3	ND	ND	--
	5/2/05	58.63	10.17	0.00	48.46	330	3,200	0.66	<0.5	2.9	0.62	<1	ND	4.1	ND	ND	--
	8/9/05	58.63	13.15	0.00	45.48	--	--	--	--	--	--	--	--	--	--	--	--
	8/18/05	58.63	13.25	0.00	45.38	<1,000*	1,800	1.9	<0.5	1.9	<0.5	<0.5	9.7	5.2	<0.5	<0.5	--
	12/14/05	58.63	11.20	0.00	47.43	<500*	1,000	0.69	<0.5	2.5	<0.5	<0.5	8.7	5.3	<0.5	<0.5	--
	1/30/06	**Well Destroyed 1/19/06**															

Table 3
GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHd (µg/L)	TPHg (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)	Pb (µg/L)
MW-2	8/12/96	99.45	17.17	0.00	82.28	<500	<50	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	9/9/96	99.45	14.58	0.00	84.87	--	--	--	--	--	--	--	--	--	--	--	--
Screen	10/8/96	99.45	14.56	0.00	84.89	--	--	--	--	--	--	--	--	--	--	--	--
5' - 15'	11/25/96	99.45	4.70	--	--	<500	<50	<0.5	<0.5	<0.5	**0.77**	<5	ND	ND	ND	ND	0.028
	1/9/97	99.45	4.39	0.00	95.06	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/97	99.45	3.20	0.00	96.25	<500	<50	<0.5	<0.5	<0.5	<0.5	**69**	ND	ND	ND	ND	--
	3/19/97	99.45	4.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/7/97	99.45	10.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/97	99.45	4.79	0.00	94.66	<500	<50	<0.5	**0.55**	<0.5	**1.59**	<5	ND	ND	ND	ND	--
	6/3/97	99.45	13.80	0.00	85.65	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/97	99.45	14.18	0.00	85.27	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/97	99.45	14.18	0.00	85.27	--	--	--	--	--	--	--	--	--	--	--	--
	1/16/98	99.45	13.63	0.00	85.82	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/98	99.45	11.57	0.00	87.88	<500	<50	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	2/22/99	99.45	12.65	0.00	86.80	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/99	99.45	8.51	0.00	90.94	<500	<50	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	5/3/01	99.45	11.64	0.00	87.81	--	--	--	--	--	--	--	--	--	--	--	--
	9/4/01	99.45	14.08	0.00	85.37	<500	<50	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	11/9/01	99.45	13.99	0.00	85.46	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/03	99.45	3.35	0.00	96.10	--	--	--	--	--	--	--	--	--	--	--	--
	5/16/03	99.45	4.72	0.00	94.73	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/03	99.45	13.70	0.00	85.75	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/03	99.45	14.04	0.00	85.41	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/04	99.45	1.22	0.00	98.23	<500	<50	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	5/14/04	99.45	12.74	0.00	86.71	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	99.45	14.20	0.00	85.25	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/04	99.45	13.03	0.00	86.42	--	--	--	--	--	--	--	--	--	--	--	--
	2/28/05	58.97	2.92	0.00	56.05	<500	<50	<0.5	<0.5	<0.5	<0.5	<5	ND	ND	ND	ND	--
	5/2/05	58.97	10.08	0.00	48.89	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/05	58.97	14.03	0.00	44.94	--	--	--	--	--	--	--	--	--	--	--	--
	8/18/05	58.97	14.03	0.00	44.94	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/05	58.97	8.04	0.00	50.93	--	--	--	--	--	--	--	--	--	--	--	--
	1/30/06	**Well Destroyed 1/19/06**															

Table 3
GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHd (µg/L)	TPHg (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)	Pb (µg/L)
MW-3	8/12/96	98.89	16.95	0.00	81.94	<200	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	9/9/96	98.89	13.93	0.00	84.96	--	--	--	--	--	--	--	--	--	--	--	--
Screen	10/8/96	98.89	14.79	0.00	84.10	--	--	--	--	--	--	--	--	--	--	--	--
5' - 15'	11/25/96	98.89	2.54	0.00	96.35	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	1/9/97	98.89	2.58	0.00	96.31	--	--	--	--	--	--	--	--	--	--	--	--
	2/4/97	98.89	2.04	0.00	96.85	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	3/19/97	98.89	2.97	0.00	95.92	--	--	--	--	--	--	--	--	--	--	--	--
	4/7/97	98.89	3.31	0.00	95.58	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/97	98.89	2.32	0.00	96.57	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	6/3/97	98.89	2.55	0.00	96.34	--	--	--	--	--	--	--	--	--	--	--	--
	7/7/97	98.89	10.75	0.00	88.14	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/97	98.89	14.14	0.00	84.75	--	--	--	--	--	--	--	--	--	--	--	--
	1/16/98	98.89	0.51	0.00	98.38	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/98	98.89	3.32	0.00	95.57	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	2/22/99	98.89	1.00	0.00	97.89	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/99	98.89	--	--	---	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	5/3/01	98.89	2.95	0.00	95.94	--	--	--	--	--	--	--	--	--	--	--	--
	9/4/01	98.89	14.15	0.00	84.74	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--	--
	11/9/01	98.89	11.39	0.00	87.50	--	--	--	--	--	--	--	--	--	--	--	--
	2/25/03	98.89	4.24	0.00	94.65	--	--	--	--	--	--	--	--	--	--	--	--
	5/16/03	98.89	3.18	0.00	95.71	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/03	98.89	14.02	0.00	84.87	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/03	98.89	2.87	0.00	96.02	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/04	98.89	0.74	0.00	98.15	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	ND
	5/14/04	98.89	9.12	0.00	89.77	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/04	98.89	14.15	0.00	84.74	--	--	--	--	--	--	--	--	--	--	--	--
	11/30/04	98.89	3.26	0.00	95.63	--	--	--	--	--	--	--	--	--	--	--	--
	2/28/05	58.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/2/05	58.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/05	58.85	12.64	0.00	46.21	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	58.85	13.82	0.00	45.03	---	---	---	---	---	---	---	---	---	---	---	--
	12/14/05	58.85	3.56	0.00	55.29	---	---	---	---	---	---	---	---	---	---	---	--
	1/30/06	**Well Destroyed 1/19/06**															

Table 3
GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH (feet)	GWE (feet)	TPHd (µg/L)	TPHg (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)	Pb (µg/L)
MW-4S	2/28/05	58.15	3.39	0.00	54.76	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
Screen	5/2/05	58.15	3.57	0.00	54.58	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
4' - 9'	8/9/05	58.15	4.55	0.00	53.60	**67**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	58.15	6.70	0.00	51.45	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/05	58.15	3.95	0.00	54.20	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	1/30/06	58.15	3.44	0.00	54.71	<50*	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-4D	2/28/05	58.03	11.93	0.00	46.10	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
Screen	5/2/05	58.03	11.13	0.00	46.90	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
13' - 18'	8/9/05	58.03	13.22	0.00	44.81	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	58.03	13.66	0.00	44.37	--	--	--	--	--	--	--	--	--	--	--	--
	12/14/05	58.03	12.96	0.00	45.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	1/30/06	58.03	9.85	0.00	48.18	<50*	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-5D	2/28/05	57.20	11.05	0.00	46.15	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
Screen	5/2/05	57.20	10.31	0.00	46.89	<50	<50	<0.5	<0.5	<0.5	<0.5	<1	ND	ND	ND	ND	--
15' - 20'	8/9/05	57.20	12.41	0.00	44.79	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	8/18/05	57.20	12.86	0.00	44.34	---	---	---	---	---	---	---	---	---	---	---	---
	12/14/05	57.20	12.04	0.00	45.16	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	--
	1/30/06	57.20	9.03	0.00	48.17	<50*	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-1D Screen 14' - 19'	1/30/06	58.77	10.59	0.00	48.18	<1,000*	**4,600**	**96**	**1.4**	**47**	**120**	<0.5	--	--	--	--	--
MW-1S Screen 4' - 9'	1/30/06	58.98	2.17	0.00	56.81	<200	**260**	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-3D Screen 14' - 19'	1/30/06	58.95	10.97	0.00	47.98	<50*	**110**	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
MW-3S Screen 4' - 9'	1/30/06	59.04	1.55	0.00	57.49	<100*	**200**	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
					MCL	--	---	1.0	150	300	1,750	13					
					Taste and odor threshold	--	5	---	42	29	17	5					
					NCRWQCB Cleanup Goals	100	50	0.5	42	29	17	5					

Notes :

TOC: Top of well casing referenced to arbitrary site benchmark until 3/02, MSL thereafter
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
TPHg: Total petroleum hydrocarbons as gasoline by Method 5030/8015M or 5030/8260B
TPHd: Total petroleum hydrocarbons as diesel by Method 8015 (* = silica-gel clean-up)
MTBE: Methyl tertiary butyl ether by Method 8020 or 8260B

TBA: Tertiary butyl alcohol by Method 8260B
DIPE: Di isopropyl ether by Method 8260B
ETBE: Ethyl tertiary butyl ether by Method 8260B
TAME: Tertiary amyl methyl ether by method 8260B
MCL : Maximum contaminant level
NCRWQCB : North Coast Region Water Quality Control Board

Table 4
CUMULATIVE GRAB GROUNDWATER ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Blvd.
Fortuna, California
Blue Rock Project No. NC-40

Sample No.	Boring Depth (feet bgs)	Water Depth (feet bgs)	Sampling Date	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
Shallow Zone Grab Samples (~4 to 9 feet)										
B-1	7	3	2/27/96	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
B-1/1-15	10	2.5	1/15/98	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
B-2/1-15	10	3	1/15/98	--	**3,200**	<2.5	<7	<20	<20	<25
B-3/1-15	10	2.5	1/15/98	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
B-4/1-15	10	3	1/15/98	--	**1,600**	<4	<5	<12	<12	<5
B-5/1-15	10	1.75	1/15/98	--	<50	<0.5	<0.5	<0.5	<0.5	<5
B-6/1-16	10	1.5	1/16/98	--	**2,500**	<5	<5	<30	<30	<50
B-7/1-16	10	2	1/16/98	--	**50**	<0.5	<0.5	<1.5	<1.5	<5
B-8/1-16	10	2.5	1/16/98	--	**470**	<0.5	<4	<8	<8	<5
HA-EJF1	5	4.5	6/21/01	--	<50	<0.5	<0.5	<0.5	<0.5	<3
Lower Zone Grab Samples (~14 to 19 feet)										
B-9/1-16	20	16	1/16/98	--	<50	<0.5	<0.5	<0.5	<0.5	<5
B2-0299	19	17	2/17/99	--	<50	<0.5	<0.5	<0.5	<0.5	<5
B3-0299	19	14	2/17/99	--	<50	<0.5	<0.5	<0.5	<0.5	<5
B4-0299	19	14	2/17/99	--	<50	<0.5	<0.5	<0.5	<0.5	<5
B10-W16-20	20	14	2/2/05	--	<50	<0.5	<0.5	<0.5	<0.5	<1
Grab Samples from Potentially Mixed Zones										
B-3	14	2	2/27/96	--	**14,000**	**120**	<50	**370**	**80**	<130
B5-0299	19	10	2/17/99	--	<50	<0.5	<0.5	<0.5	<0.5	<5

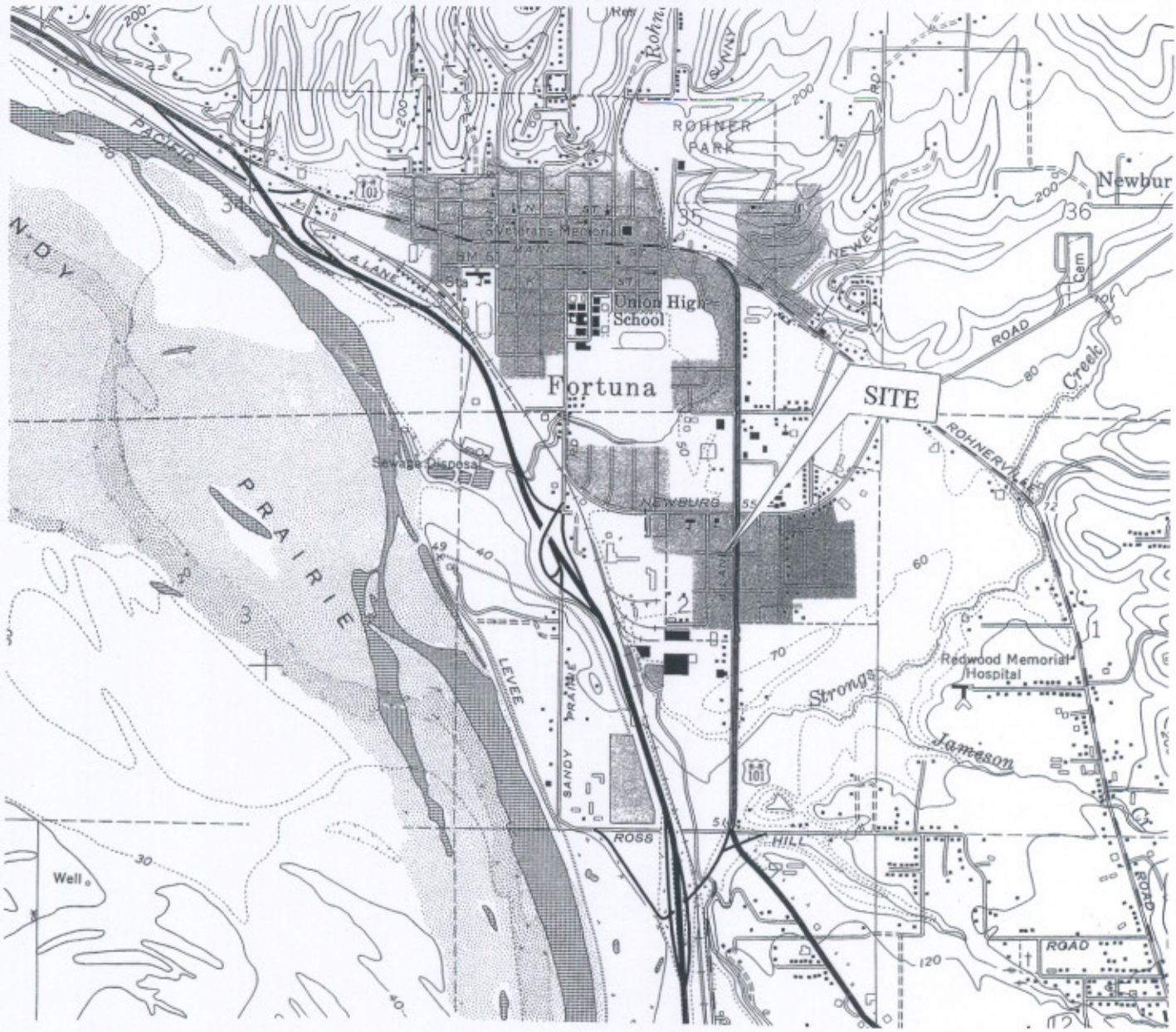
Notes :
µg/L: micrograms per liter
"--": Not analyzed, available, or applicable
TPHd: Total petroelum hydrocarbons as diesel
TPHg: Total petroleum hydrocarbons as gasoline
BTEX: benzene, toluene, ethylbenzene, xylenes
MTBE: Methyl tertiary butyl ether
Note: Data transcribed from LACO data

Table 5
DOMESTIC WELL ANALYTICAL DATA
Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California
Blue Rock Project No. NC-40

Well ID	Sample Date	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Analytes (1) (µg/L)
555 S. Spring St.	3/12/01	**58***	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<50
	5/2/01	<50	---	---	---	---	---	---	---
491 S. Spring St.	3/12/01	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<50
1702 1st Street	3/16/01	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<50

Notes :
TPHg: Total petroleum hydrocarbons as gasoline by Method 5030/8015M or 5030/8260B
TPHd: Total petroleum hydrocarbons as diesel by Method 8015
BTEX: by Method 8020 or 8260B
MTBE: Methyl tertiary butyl ether by Method 8020 or 8260B
(1): Other Analytes tested by LACO, but not specified in 9/26/03 letter
*: LACO reports in 9/26/03 letter that the samlpe contains material in diesel range, but that the peak pattern is atypical of diesel fuel. The TPHd results represent the amount of material in the diesel range.
µg/L: micrograms per liter

FIGURES



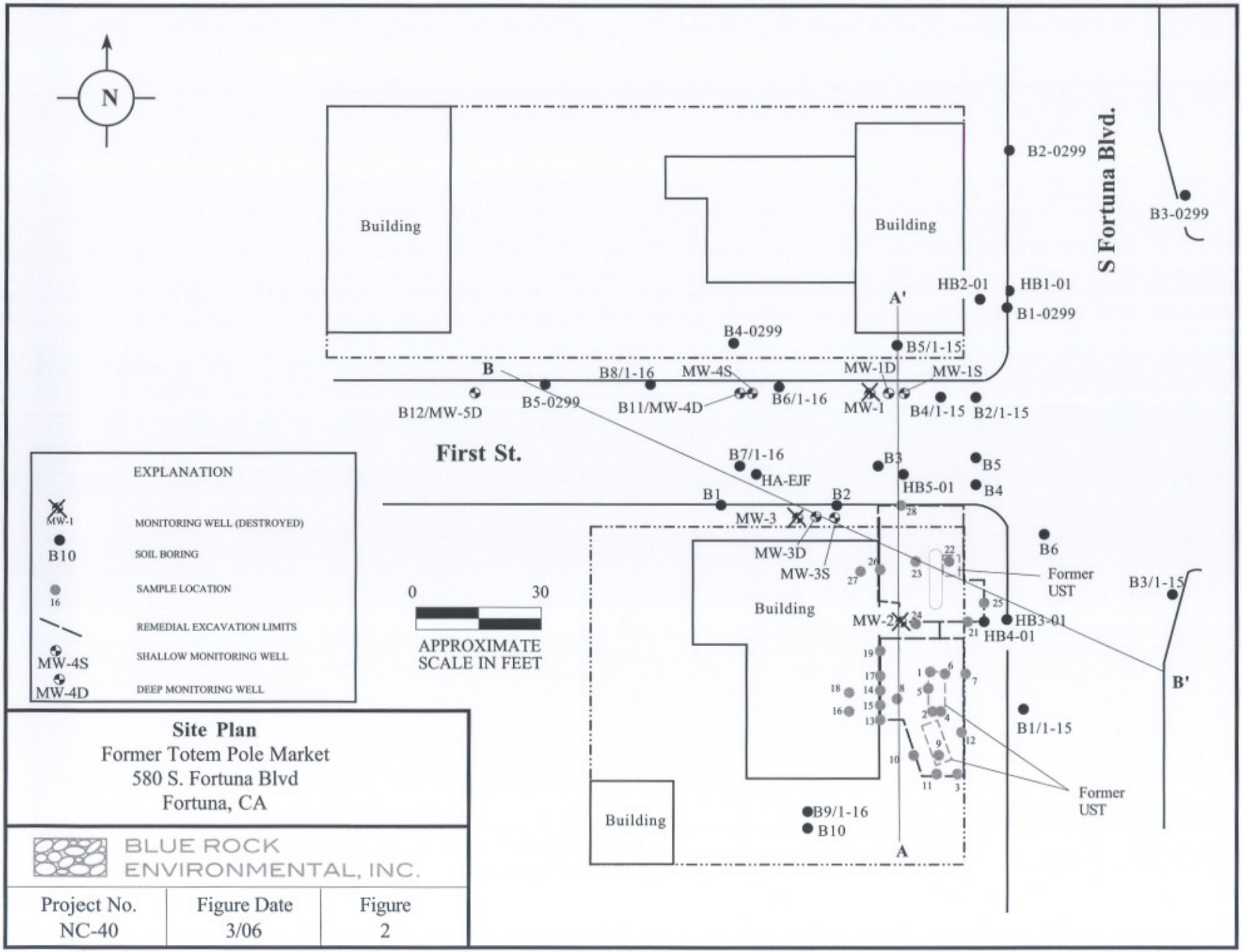
MAP SOURCE: USGS Fortuna Quadrangle

Site Location Map

Former Totem Pole Market
580 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

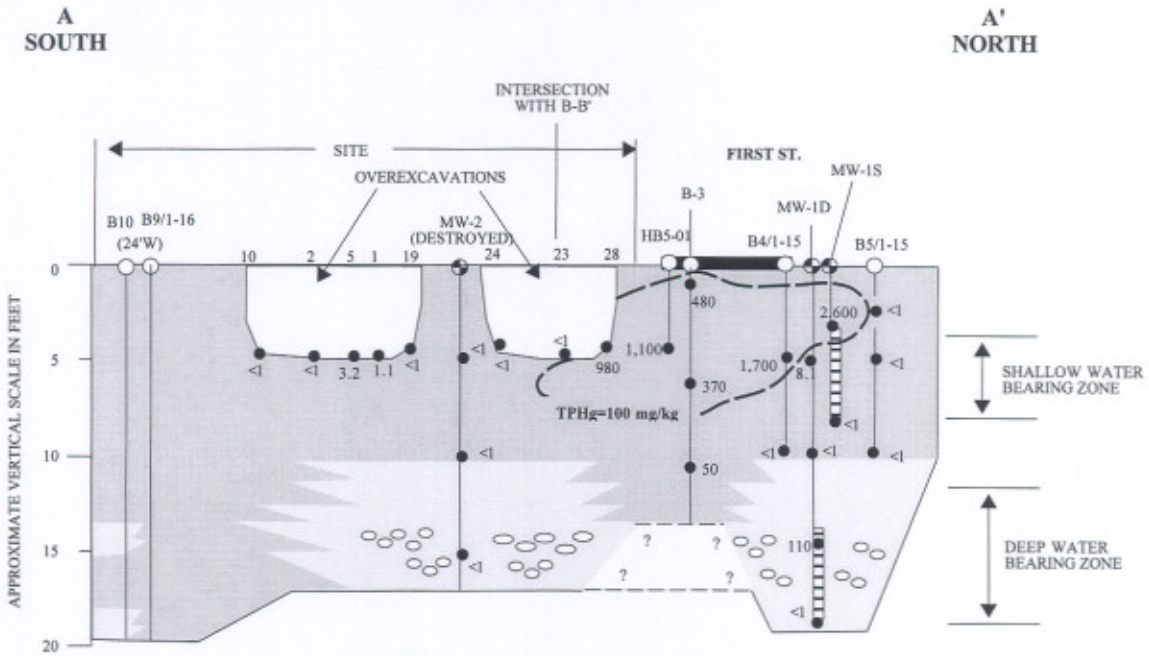
Project No.	Date	Figure
NC-40	3/06	1



Site Plan
Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Figure Date	Figure
NC-40	3/06	2



EXPLANATION

CLAY / SILT (CL/ML)

CLAYEY SAND / SILTY SAND (SM/SC)

SILTY SAND W/GRAVEL & SILTY GRAVEL (SM/GM)

SOIL SAMPLE

MW-3 BORING/WELL I.D. (MONTH/YEAR OF DRILLING)

(N10') DIRECTION AND DISTANCE FROM SECTION LINE

LOGGED & SCREENED INETERVAL

1.2 TPHg CONCENTRATION (mg/kg) SOIL SAMPLES

TPHg=100 mg/kg TPHg ISO-CONCENTRATION IN SOIL (mg/kg)

0' 30'

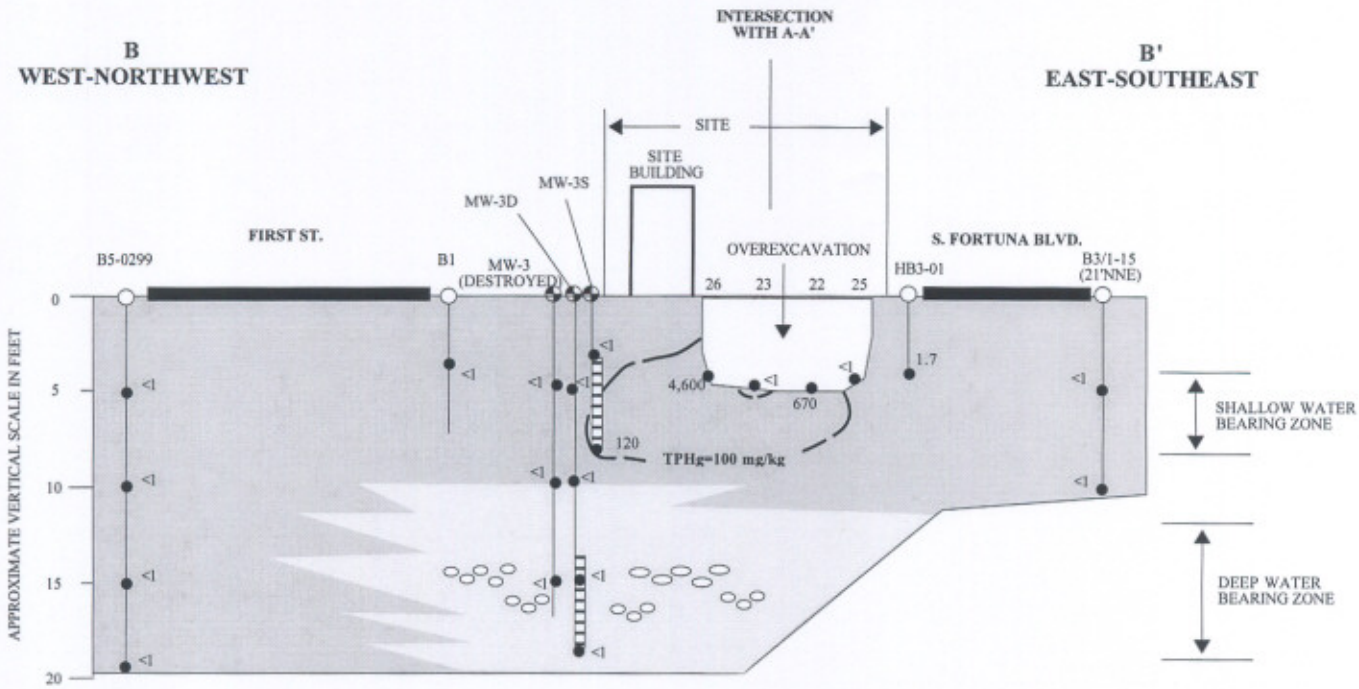
10'

APPROXIMATE SCALE
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

A-A' CROSS-SECTION
Former Totem Pole Market
580 S. Fortuna Blvd.
Fortuna, CA

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Report Date	Figure
NC-40	3/06	2a



EXPLANATION

CLAY / SILT (CL/ML)

CLAYEY SAND / SILTY SAND (SM/SC)

SILTY SAND W/GRAVEL & SILTY GRAVEL (SM/GM)

SOIL SAMPLE

MW-3 BORING/WELL I.D. (MONTH/YEAR OF DRILLING)

(N10') DIRECTION AND DISTANCE FROM SECTION LINE

LOGGED & SCREENED INETERVAL

1.2 TPHg CONCENTRATION (mg/kg) SOIL SAMPLES

TPHg=100 mg/kg TPHg ISO-CONCENTRATION IN SOIL (mg/kg)

0' 30'

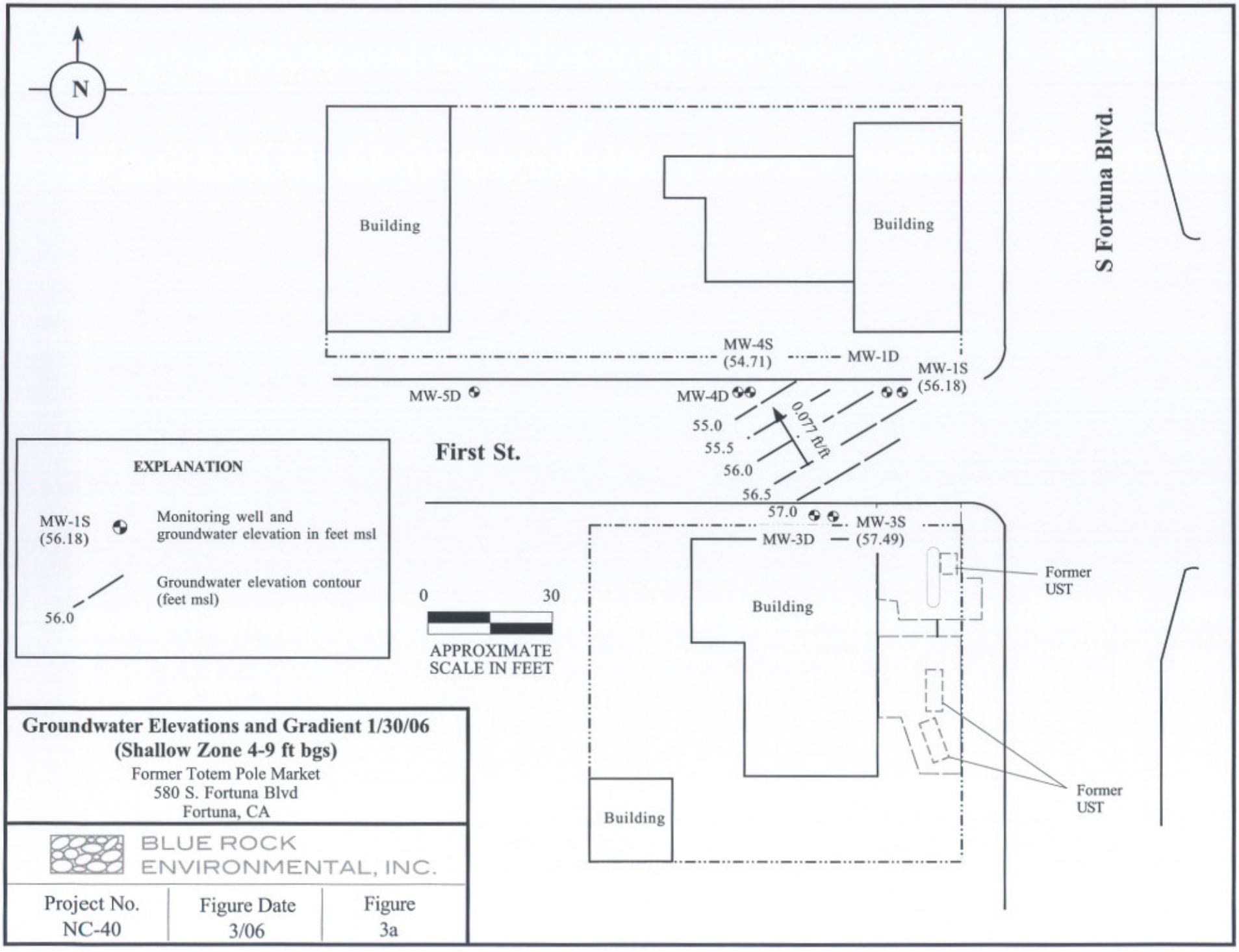
10'

APPROXIMATE SCALE
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

B-B' CROSS-SECTION
Former Totem Pole Market
580 S. Fortuna Blvd.
Fortuna, CA

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Report Date	Figure
NC-40	3/06	2b

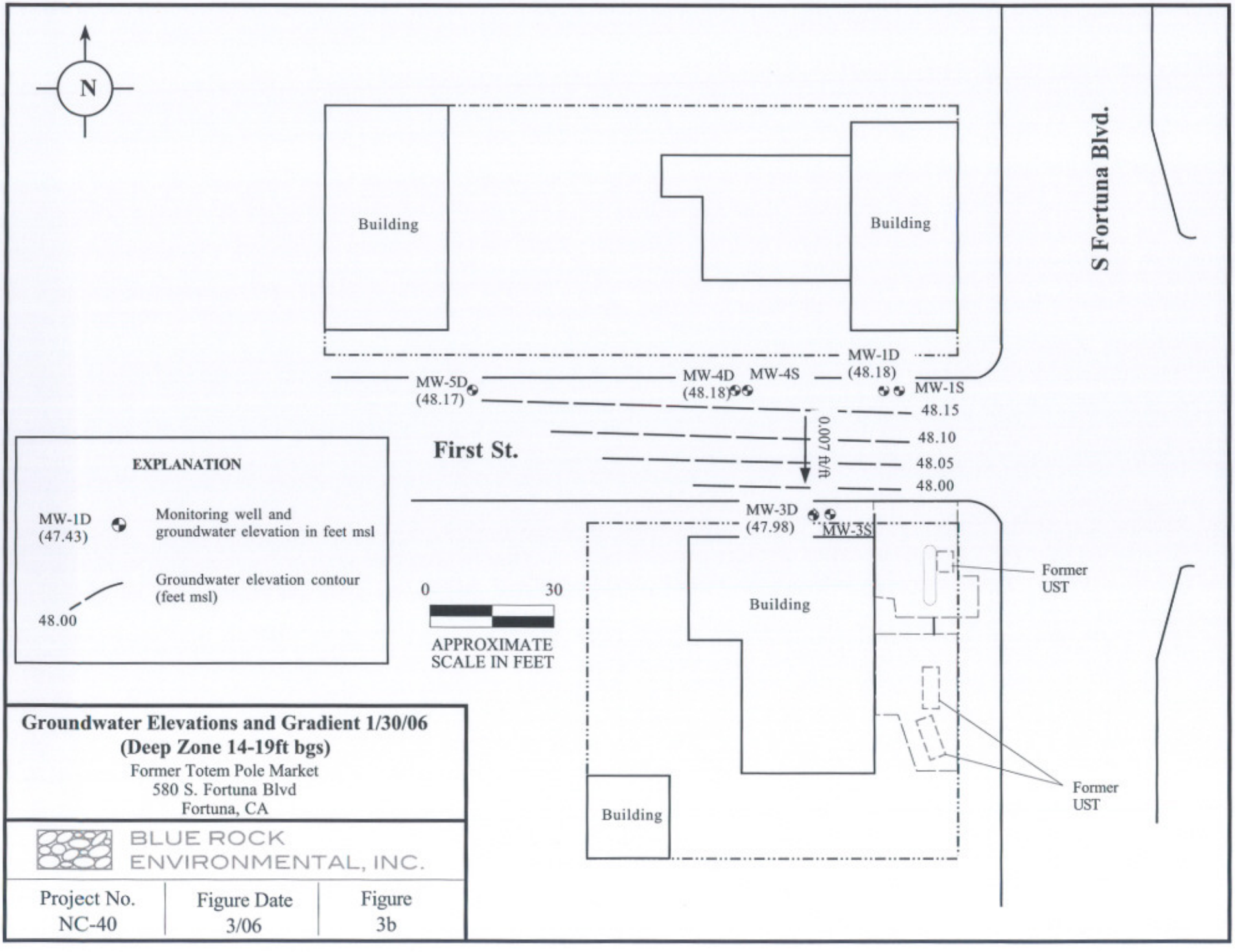


Groundwater Elevations and Gradient 1/30/06
(Shallow Zone 4-9 ft bgs)

Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA

BLUE ROCK
ENVIRONMENTAL, INC.

Project No.	Figure Date	Figure
NC-40	3/06	3a

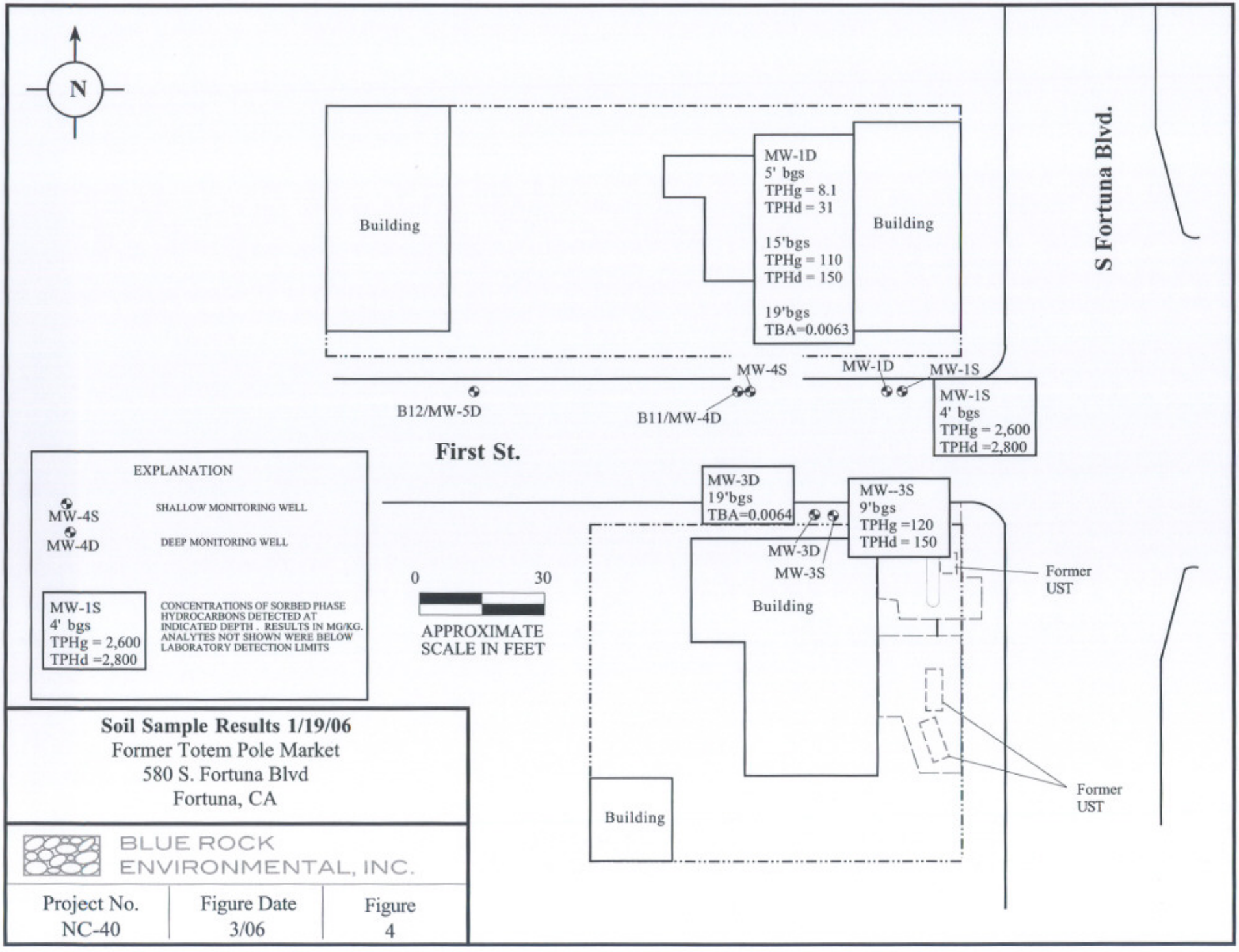


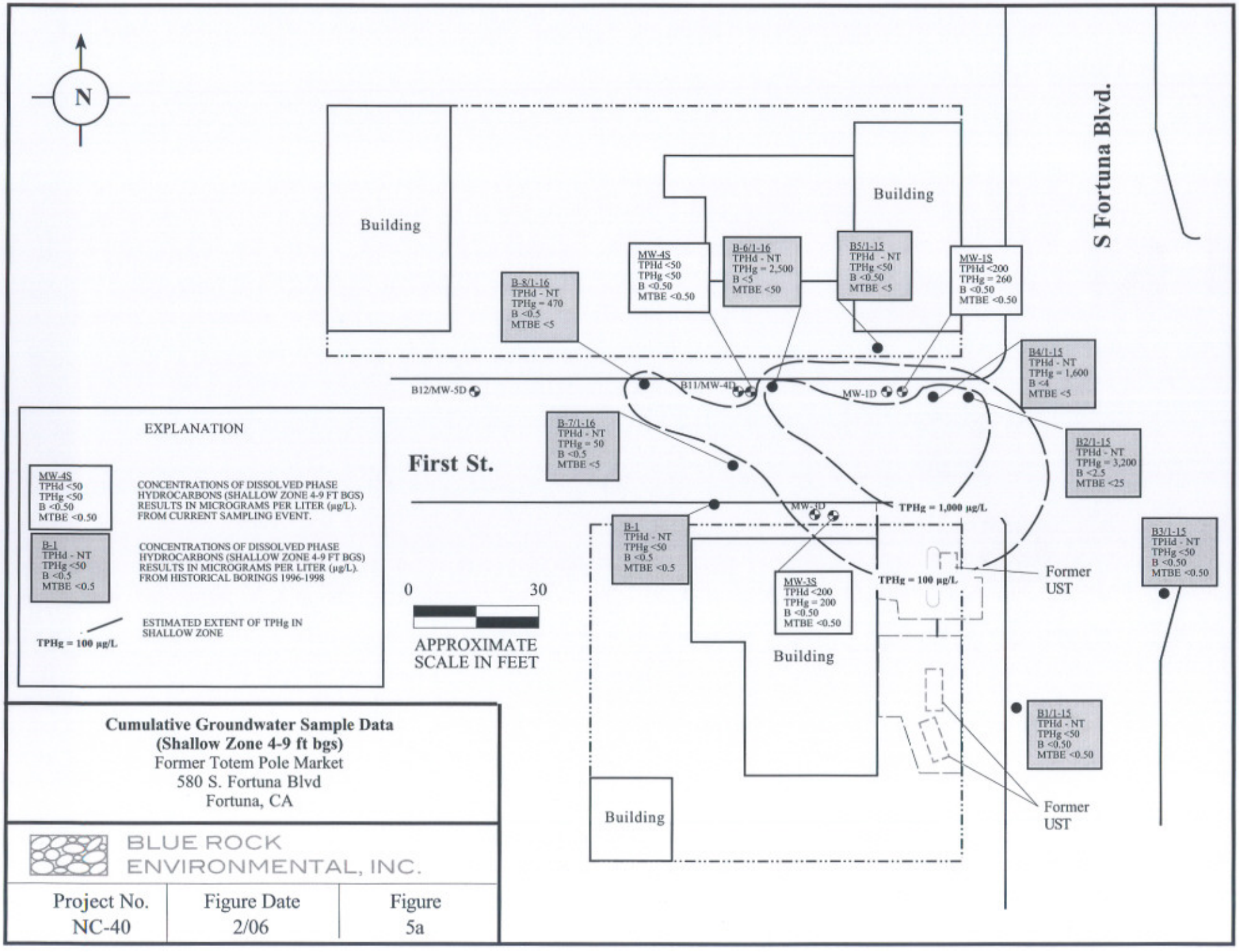
Groundwater Elevations and Gradient 1/30/06
(Deep Zone 14-19ft bgs)

Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA

BLUE ROCK
ENVIRONMENTAL, INC.

Project No.	Figure Date	Figure
NC-40	3/06	3b

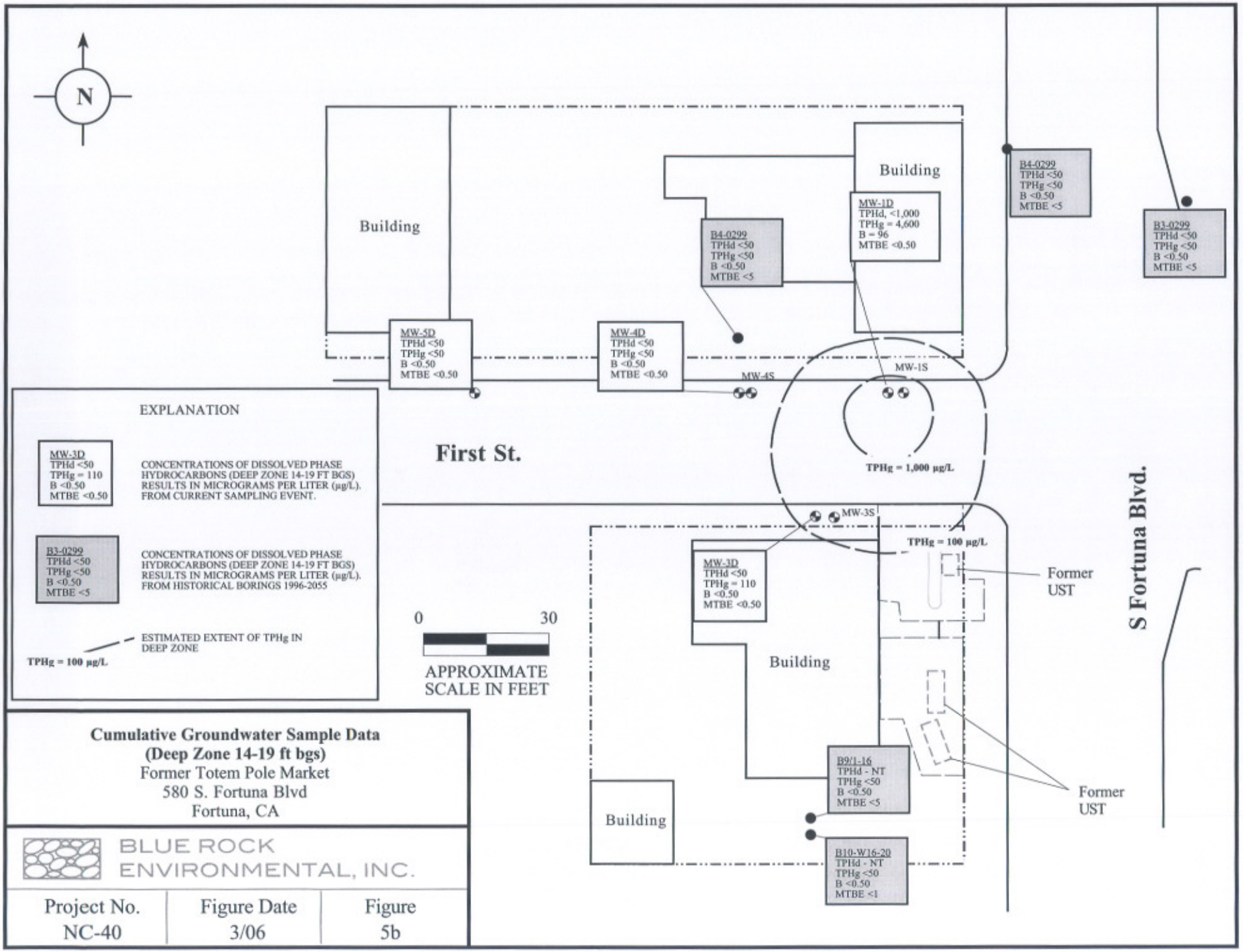

N
Building
MW-1D
5' bgs
TPHg = 8.1
TPHd = 31
15'bgs
TPHg = 110
TPHd = 150
19'bgs
TBA=0.0063
Building
S Fortuna Blvd.
MW-4S
MW-1D
MW-1S
B12/MW-5D
B11/MW-4D
MW-1S
4' bgs
TPHg = 2,600
TPHd =2,800
First St.
MW-3D
19'bgs
TBA=0.0064
MW--3S
9'bgs
TPHg =120
TPHd = 150
MW-3D
MW-3S
Building
Former UST
Former UST
Building
EXPLANATION
MW-4S
SHALLOW MONITORING WELL
MW-4D
DEEP MONITORING WELL
MW-1S
4' bgs
TPHg = 2,600
TPHd =2,800
CONCENTRATIONS OF SORBED PHASE HYDROCARBONS DETECTED AT INDICATED DEPTH . RESULTS IN MG/KG. ANALYTES NOT SHOWN WERE BELOW LABORATORY DETECTION LIMITS
0
30
APPROXIMATE SCALE IN FEET
Soil Sample Results 1/19/06
Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA
BLUE ROCK ENVIRONMENTAL, INC.
Project No.
NC-40
Figure Date
3/06
Figure
4



Cumulative Groundwater Sample Data
(Shallow Zone 4-9 ft bgs)
Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA

BLUE ROCK ENVIRONMENTAL, INC.

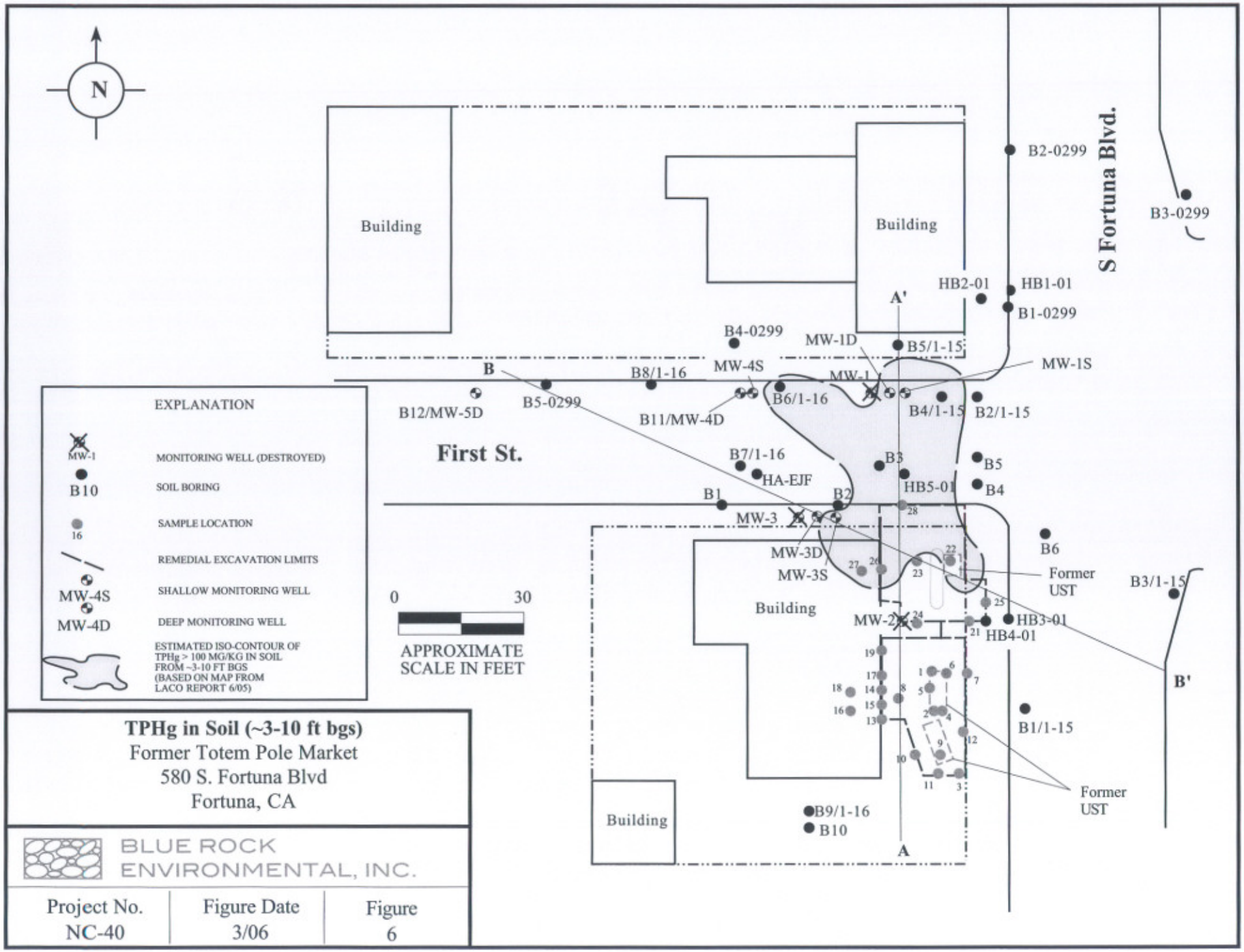
Project No.	Figure Date	Figure
NC-40	2/06	5a



Cumulative Groundwater Sample Data
(Deep Zone 14-19 ft bgs)
Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Figure Date	Figure
NC-40	3/06	5b



TPHg in Soil (~3-10 ft bgs)
Former Totem Pole Market
580 S. Fortuna Blvd
Fortuna, CA

BLUE ROCK ENVIRONMENTAL, INC.

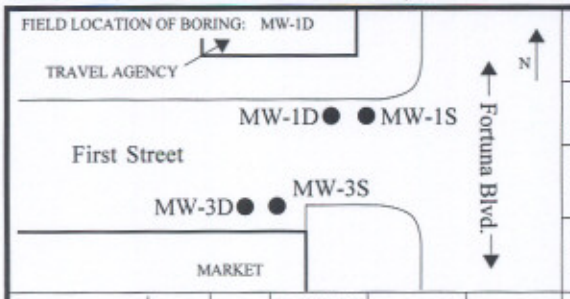
Project No.	Figure Date	Figure
NC-40	3/06	6

APPENDIX A

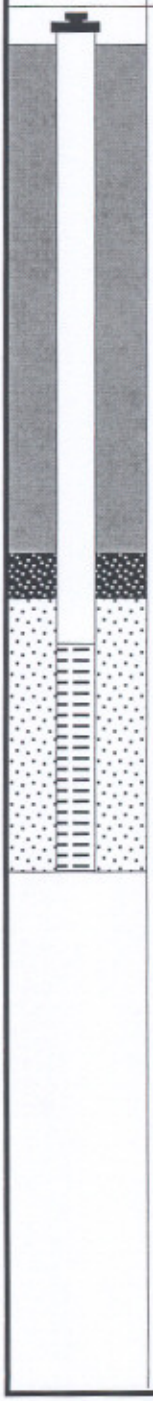
SOIL BORING AND WELL CONSTRUCTION LOG: MW-1D

BLUE ROCK ENVIRONMENTAL, INC.

Project: NC-40



DRILLING CONTRACTOR: MDE	BORING DIAMETER: 8 inches	CLIENT/LOCATION: V. Ellis / 508 Fortuna Blvd., Fortuna, CA	
DRILL RIG OPERATOR: Juan Ceja	BORING DEPTH: 19 feet	SCREEN SLOT SIZE: 0.01 inches	DRILLING DATE: 1/19/06
DRILL RIG TYPE: CME 75	WELL DEPTH: 19 feet	WELL MATERIAL: 2-in. PVC	FILTER PACK: #2/12 Sand
WELL SEAL: Neat Cement over hydrated bentonite		PLANNED USE: Monitoring	LOGGED BY: Andrew LoCicero
SAMPLING METHOD: Cal. Mod. Split-spoon		MONITORING INST: Thermo 0.99 FV	APPROVED BY: Brian Gwinn, PG
FIRST ENCOUNTERED WATER DEPTH: Approx. 5 feet		STATIC WATER DEPTH - DATE: Stabilized at approx. 10.85 feet.	

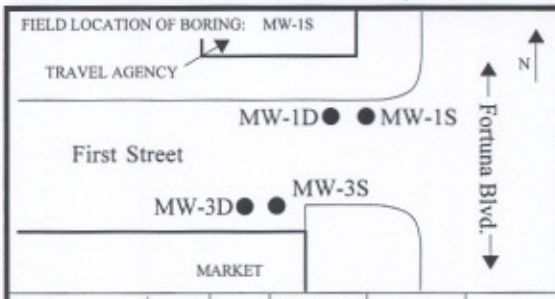


DEPTH (FEET)	SAMPLING INTERVAL	SAMPLING RECOVERY	OVM READING (PPM)	GRAPHIC LOG OR USCS CODE	
1					Asphalt and Base Rock
2					
3					Elastic Clayey SILT (MH/CH); gray with orange mottling; moderate-high plast soft; moist-wet; HC odor.
4	2				
	1				
5	2		40		
6					
7					
8					
9	3				Clayey SILT with fine-grain sands (ML/CL); brown; moderate plasticity; soft; moist; slight odor.
	4				
10	0		570		
11					
12					
13					
14	5				Silty SAND (SM); brown; fine-grained sand; trace fine-gravel; medium dense; increasing moisture, moist-wet; HC odor
	6				
15	9		200		
16					
17					Silty SAND (SM); brown; fine-grained sand; trace fine-gravel; loose; wet; slight odor.
18	3				
	4				
19	5		0		
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

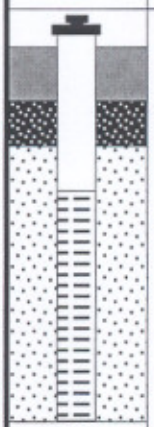
SOIL BORING AND WELL CONSTRUCTION LOG: MW-1S

BLUE ROCK ENVIRONMENTAL, INC.

Project: NC-40



DRILLING CONTRACTOR: MDE	BORING DIAMETER: 8 inches	CLIENT/LOCATION: V. Ellis / 508 Fortuna Blvd., Fortuna, CA	
DRILL RIG OPERATOR: Juan Ceja	BORING DEPTH: 9 feet	SCREEN SLOT SIZE: 0.01 inches	DRILLING DATE: 1/19/06
DRILL RIG TYPE: CME 75	WELL DEPTH: 9 feet	WELL MATERIAL: 2-in. PVC	FILTER PACK: #2/12 Sand
WELL SEAL: Neat Cement over hydrated bentonite		PLANNED USE: Monitoring	LOGGED BY: Andrew LoCicero
SAMPLING METHOD: Cal. Mod. Split-spoon		MONITORING INST: Thermo 0.99 FV	APPROVED BY: Brian Gwinn, PG
FIRST ENCOUNTERED WATER DEPTH: Approx. 5 feet		STATIC WATER DEPTH - DATE: Stabilized at approx. 2.55 feet.	

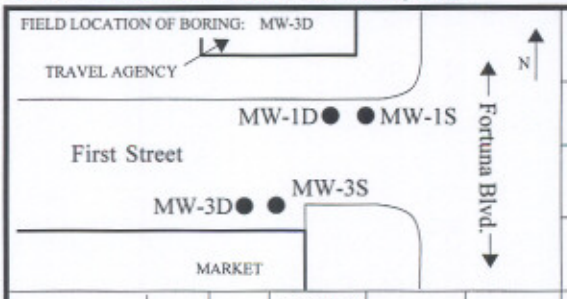


DEPTH (FEET)	SAMPLING INTERVAL	SAMPLING RECOVERY	OVM READING (PPM)	GRAPHIC LOG OR USCS CODE	
1					Asphalt and Base Rock
2					
3					Elastic Clayey SILT (MH/CH); gray; moderate-high plasticity; soft; moist; HC odor.
4	HA	6	240		
5					
6					Clayey SILT (ML/CL); brown; orange mottling; moderate plasticity; very stiff; moist; HC odor.
7					
8	7 17				
9	19		0		
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

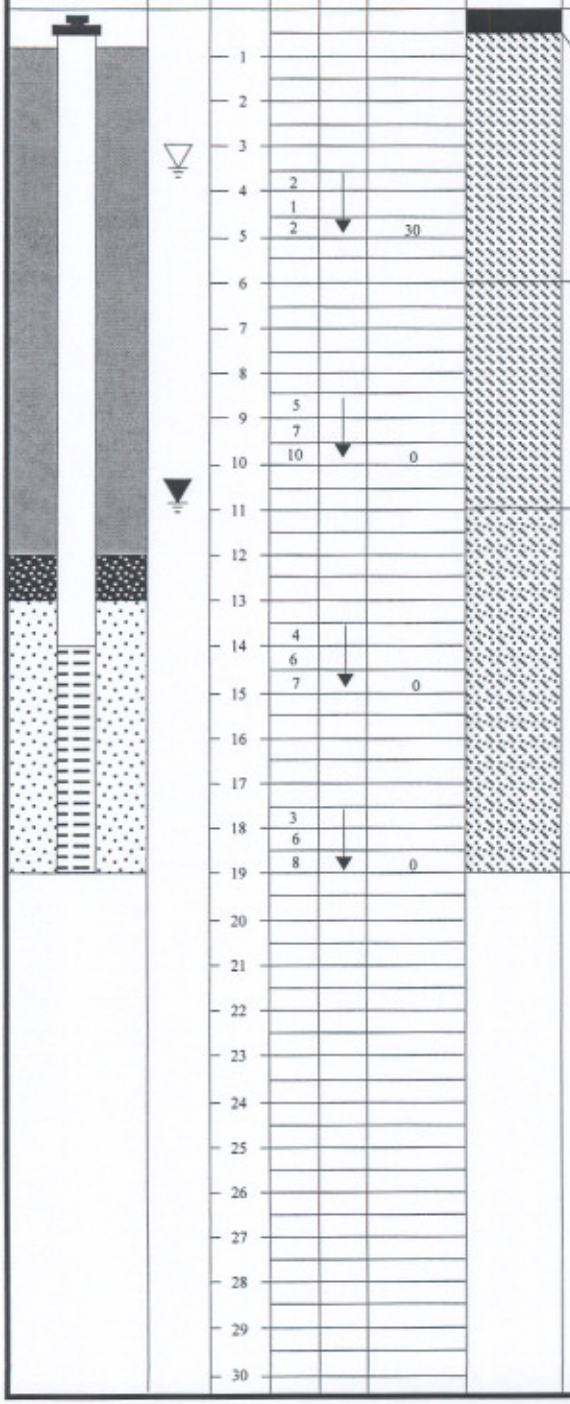
SOIL BORING AND WELL CONSTRUCTION LOG: MW-3D

BLUE ROCK ENVIRONMENTAL, INC.

Project: NC-40



DRILLING CONTRACTOR: MDE	BORING DIAMETER: 8 inches	CLIENT/LOCATION: V. Ellis / 508 Fortuna Blvd., Fortuna, CA	
DRILL RIG OPERATOR: Juan Ceja	BORING DEPTH: 19 feet	SCREEN SLOT SIZE: 0.01 inches	DRILLING DATE: 1/19/06
DRILL RIG TYPE: CME 75	WELL DEPTH: 19 feet	WELL MATERIAL: 2-in. PVC	FILTER PACK: #2/12 Sand
WELL SEAL: Neat Cement over hydrated bentonite		PLANNED USE: Monitoring	LOGGED BY: Andrew LoCicero
SAMPLING METHOD: Cal. Mod. Split-spoon		MONITORING INST: Thermo 0.99 FV	APPROVED BY: Brian Gwinn, PG
FIRST ENCOUNTERED WATER DEPTH: Approx. 3.5 feet		STATIC WATER DEPTH - DATE: Stabilized at approx. 11.12 feet.	



Asphalt and Base Rock

Clayey SILT (ML/CL); gray - brown with orange mottling; moderate plasticity; soft; wet; slight odor.

Clayey SILT with fine-grain sands (ML/CL); brown; moderate plasticity; ~20% fine sand; trace fine-gravel; stiff; moist; no odor.

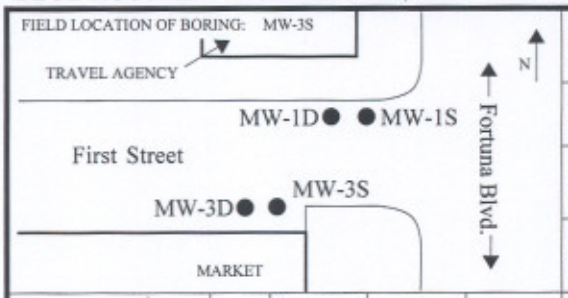
Silty SAND (SM); brown; fine-grained sand; trace fine-gravel; medium dense; wet; no odor.

As above.

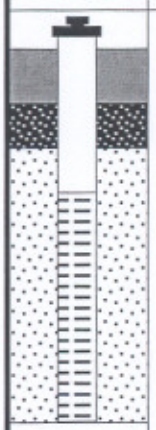
SOIL BORING AND WELL CONSTRUCTION LOG: MW-3S

BLUE ROCK ENVIRONMENTAL, INC.

Project: NC-40



DRILLING CONTRACTOR: MDE	BORING DIAMETER: 8 inches	CLIENT/LOCATION: V. Ellis / 508 Fortuna Blvd., Fortuna, CA	
DRILL RIG OPERATOR: Juan Ceja	BORING DEPTH: 9 feet	SCREEN SLOT SIZE: 0.01 inches	DRILLING DATE: 1/19/06
DRILL RIG TYPE: CME 75	WELL DEPTH: 9 feet	WELL MATERIAL: 2-in. PVC	FILTER PACK: #2/12 Sand
WELL SEAL: Neat Cement over hydrated bentonite		PLANNED USE: Monitoring	LOGGED BY: Andrew LoCicero
SAMPLING METHOD: Cal. Mod. Split-spoon		MONITORING INST: Thermo 0.99 FV	APPROVED BY: Brian Gwinn, PG
FIRST ENCOUNTERED WATER DEPTH: Approx. 3.5 feet		STATIC WATER DEPTH - DATE: Stabilized at approx. 2.53 feet.	



DEPTH (FEET)	SAMPLING INTERVAL	SAMPLING RECOVERY	OVM READING (PPM)	GRAPHIC LOG OR USCS CODE	
1					Asphalt and Base Rock
2					Clayey SILT with fine-grain sands (ML/CL); gray - brown with orange mottling; moderate plasticity; firm; wet; slight odor.
3					
4	HA	6	0		
5					
6					
7					As above; without mottling; very stiff.
8	8 14				
9	19		400		
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

APPENDIX B

GAGING DATA/PURGE CALCULATIONS

Job No.: NC-40 **Location:** 508 Fortuna Blvd. **Date:** 1/30/06 **Tech(s):** JL

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPH (ft.)	NOTES
MW-1D	2"	19.21	10.59	8.62	1.37	4.11	0	
MW-1S		9.10	2.17	6.93	1.10	3.30		
MW-3D		19.20	10.97	8.23	1.31	3.93		
MW-3S		9.11	1.55	7.56	1.20	3.60		
MW-4D		18.25	9.85	8.40	1.34	4.02		
MW-4S		8.55	3.44	5.11	0.81	2.43		
MW-5D		19.70	9.03	10.67	1.70	5.10		

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-40 **Location:** 508 Fortuna Blvd **Date:** 1/30/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-1D			---	---	---
Calc. purge	10:10	0.25	814	61.9	5.98
volume	10:15	2.25	723	62.2	6.43
4.11	10:20	4.15	584	62.3	6.28

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: 10:25

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-1S			---	---	---
Calc. purge	10:30	0.25	583	57.4	6.43
volume	10:35	1.75	556	57.5	6.48
3.30	10:40	3.30	645	58.2	6.63

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: 10:45

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-3D			---	---	---
Calc. purge	10:50	0.25	616	60.1	6.46
volume	10:55	2.25	743	61.0	6.49
3.93	11:00	3.95			

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

Purging Method: PVC bailer / Pump

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

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:05

PURGING DATA

Job No.: NC-40 **Location:** 508 Fortuna Blvd. **Date:** 1/30/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-3S			---	---	---
Calc. purge	11:10	0.25	594	55.3	6.68
volume	11:15	1.75	246	54.7	6.29
3.60	11:20	3.60	189	54.3	6.18

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: 11:25

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-4D			---	---	---
Calc. purge	11:30	0.25	216	60.4	6.34
volume	11:35	2.25	193	61.5	6.33
4.02	11:40	4.00	well dry @	2.25 gal	

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

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

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

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:45

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-4S			---	---	---
Calc. purge	11:50	0.25	218	56.1	6.02
volume	11:55	1.00	177	57.0	5.99
2.43	12:00	2.45	177	57.7	6.05

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

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

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

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:05

PURGING DATA

Job No.: NC-40 **Location:** 508 Fortuna Blvd **Date:** 1/30/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-5D			---	---	---
Calc. purge	12:10	0.25	332	59.8	6.60
volume	12:15	2.50	267	61.0	6.50
5.10	12:20	5.10	246	61.1	6.51

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: 12:25

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
			---	---	---
Calc. purge					
volume					

COMMENTS: color, turbidity, recharge, sheen

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at:

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
			---	---	---
Calc. purge					
volume					

COMMENTS: color, turbidity, recharge, sheen

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at:

APPENDIX C

KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

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

Subject : 12 Soil Samples
Project Name : Former Totem Pole Market
Project Number : NC-40

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 : 48036
Date : 1/30/2006

Subject : 12 Soil Samples
Project Name : Former Totem Pole Market
Project Number : NC-40

Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples MW-1D @ 5', MW-1D @ 15', MW-1S @ 4' and MW-3S @ 9'. These hydrocarbons are lower boiling than typical diesel fuel.

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-3D @ 5' for the analyte TPH as Diesel were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48036

Date : 1/30/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : **MW-1D @ 5'** Matrix : Soil Lab Number : 48036-01

Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-Butanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	1/24/2006
TPH as Gasoline	**8.1**	1.0	mg/Kg	EPA 8260B	1/28/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	1/24/2006
4-Bromofluorobenzene (Surr)	90.0		% Recovery	EPA 8260B	1/24/2006
TPH as Diesel (Silica Gel)	**31**	1.0	mg/Kg	M EPA 8015	1/26/2006
1-Chlorooctadecane (Silica Gel Surr)	70.2		% Recovery	M EPA 8015	1/26/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-1D @ 10'** Matrix : Soil Lab Number : 48036-02
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/24/2006
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	1/24/2006
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	1/24/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/26/2006
1-Chlorooctadecane (Silica Gel Surr)	106		% Recovery	M EPA 8015	1/26/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-1D @ 15'** Matrix : Soil Lab Number : 48036-03
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.088**	0.025	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.025**	0.025	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**0.36**	0.025	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**0.40**	0.025	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.025**	0.025	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.025**	0.025	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.025**	0.025	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.025**	0.025	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**< 0.15**	0.15	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**110**	2.5	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**150**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	102		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-1D @ 19'** Matrix : Soil Lab Number : 48036-04
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**0.0063**	0.0050	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	97.3		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	98.2		% Recovery	M EPA 8015	1/25/2006

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-1S @ 4'** Matrix : Soil Lab Number : 48036-05
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.20**	0.20	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**< 0.90**	0.90	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**2600**	40	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	95.4		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**2800**	2.0	mg/Kg	M EPA 8015	1/26/2006
1-Chlorooctadecane (Silica Gel Surr)	115		% Recovery	M EPA 8015	1/26/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-1S @ 9'** Matrix : Soil Lab Number : 48036-06
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	110		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-3D @ 5'** Matrix : Soil Lab Number : 48036-07
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/26/2006
1-Chlorooctadecane (Silica Gel Surr)	105		% Recovery	M EPA 8015	1/26/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036

Date : 1/30/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : **MW-3D @ 10'** Matrix : Soil Lab Number : 48036-08

Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/24/2006
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	1/24/2006
4-Bromofluorobenzene (Surr)	113		% Recovery	EPA 8260B	1/24/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	104		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-3D @ 15'** Matrix : Soil Lab Number : 48036-09
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/24/2006
Toluene - d8 (Surr)	96.9		% Recovery	EPA 8260B	1/24/2006
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	1/24/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	105		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-3D @ 19'** Matrix : Soil Lab Number : 48036-10
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**0.0064**	0.0050	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	91.4		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-3S @ 4'** Matrix : Soil Lab Number : 48036-11
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	1/25/2006
TPH as Diesel (Silica Gel)	**< 1.0**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	106		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 48036
Date : 1/30/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-3S @ 9'** Matrix : Soil Lab Number : 48036-12
Sample Date :1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.015**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethylbenzene	**0.040**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Total Xylenes	**0.085**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-Butanol	**< 0.015**	0.015	mg/Kg	EPA 8260B	1/24/2006
TPH as Gasoline	**120**	15	mg/Kg	EPA 8260B	1/30/2006
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	1/24/2006
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	1/24/2006
TPH as Diesel (Silica Gel)	**150**	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	109		% Recovery	M EPA 8015	1/25/2006

Approved By: Joel Kiff

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Report Number : 48036

Date : 1/30/2006

QC Report : Method Blank Data

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	1/25/2006
1-Chlorooctadecane (Silica Gel Surr)	87.3		%	M EPA 8015	1/25/2006
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	1/26/2006
1-Chlorooctadecane (Silica Gel Surr)	101		%	M EPA 8015	1/26/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/24/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	1/24/2006
Toluene - d8 (Surr)	96.6		%	EPA 8260B	1/24/2006
4-Bromofluorobenzene (Surr)	112		%	EPA 8260B	1/24/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	1/25/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	96.6		%	EPA 8260B	1/25/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	1/27/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	1/30/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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Report Number : 48036

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 1/30/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

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	48036-10	1.3	20.0	20.0	22.6	21.3	mg/Kg	M EPA 8015	1/25/06	106	100	6.07	60-140	25
TPH as Diesel	48055-02	7.9	20.0	20.0	36.7	39.6	mg/Kg	M EPA 8015	1/26/06	132	142	7.78	60-140	25
Benzene	48036-09	<0.0050	0.0385	0.0394	0.0378	0.0387	mg/Kg	EPA 8260B	1/24/06	98.2	98.2	0.0221	70-130	25
Toluene	48036-09	<0.0050	0.0385	0.0394	0.0374	0.0382	mg/Kg	EPA 8260B	1/24/06	97.4	96.7	0.673	70-130	25
Tert-Butanol	48036-09	<0.0050	0.192	0.197	0.187	0.192	mg/Kg	EPA 8260B	1/24/06	97.3	97.5	0.196	70-130	25
Methyl-t-Butyl Ether	48036-09	<0.0050	0.0385	0.0394	0.0393	0.0382	mg/Kg	EPA 8260B	1/24/06	102	96.8	5.32	70-130	25
Benzene	48036-10	<0.0050	0.0382	0.0372	0.0375	0.0356	mg/Kg	EPA 8260B	1/25/06	98.3	95.7	2.74	70-130	25
Toluene	48036-10	<0.0050	0.0382	0.0372	0.0366	0.0351	mg/Kg	EPA 8260B	1/25/06	96.0	94.3	1.78	70-130	25
Tert-Butanol	48036-10	0.0064	0.191	0.186	0.191	0.186	mg/Kg	EPA 8260B	1/25/06	96.7	96.5	0.222	70-130	25
Methyl-t-Butyl Ether	48036-10	<0.0050	0.0382	0.0372	0.0382	0.0360	mg/Kg	EPA 8260B	1/25/06	100	96.7	3.27	70-130	25
Benzene	48065-03	<0.0050	0.0367	0.0389	0.0356	0.0370	mg/Kg	EPA 8260B	1/27/06	97.1	95.2	1.97	70-130	25
Toluene	48065-03	<0.0050	0.0367	0.0389	0.0332	0.0344	mg/Kg	EPA 8260B	1/27/06	90.5	88.4	2.30	70-130	25
Tert-Butanol	48065-03	<0.0050	0.183	0.194	0.171	0.184	mg/Kg	EPA 8260B	1/27/06	93.4	94.6	1.19	70-130	25
Methyl-t-Butyl Ether	48065-03	<0.0050	0.0367	0.0389	0.0367	0.0380	mg/Kg	EPA 8260B	1/27/06	100	97.7	2.31	70-130	25
Benzene	48101-04	<0.0050	0.0399	0.0398	0.0406	0.0404	mg/Kg	EPA 8260B	1/30/06	102	102	0.168	70-130	25
Toluene	48101-04	<0.0050	0.0399	0.0398	0.0374	0.0372	mg/Kg	EPA 8260B	1/30/06	93.7	93.4	0.288	70-130	25
Tert-Butanol	48101-04	<0.0050	0.200	0.199	0.200	0.187	mg/Kg	EPA 8260B	1/30/06	100	93.9	6.41	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48036

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 1/30/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

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
Methyl-t-Butyl Ether	48101-04	<0.0050	0.0399	0.0398	0.0410	0.0408	mg/Kg	EPA 8260B	1/30/06	103	102	0.379	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48036

QC Report : Laboratory Control Sample (LCS)

Date : 1/30/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/25/06	109	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/26/06	112	70-130
Benzene	0.0377	mg/Kg	EPA 8260B	1/24/06	93.4	70-130
Toluene	0.0377	mg/Kg	EPA 8260B	1/24/06	90.6	70-130
Tert-Butanol	0.188	mg/Kg	EPA 8260B	1/24/06	86.2	70-130
Methyl-t-Butyl Ether	0.0377	mg/Kg	EPA 8260B	1/24/06	91.6	70-130
Benzene	0.0381	mg/Kg	EPA 8260B	1/25/06	96.2	70-130
Toluene	0.0381	mg/Kg	EPA 8260B	1/25/06	95.1	70-130
Tert-Butanol	0.190	mg/Kg	EPA 8260B	1/25/06	92.4	70-130
Methyl-t-Butyl Ether	0.0381	mg/Kg	EPA 8260B	1/25/06	97.5	70-130
Benzene	0.0385	mg/Kg	EPA 8260B	1/27/06	99.7	70-130
Toluene	0.0385	mg/Kg	EPA 8260B	1/27/06	93.5	70-130
Tert-Butanol	0.192	mg/Kg	EPA 8260B	1/27/06	94.5	70-130
Methyl-t-Butyl Ether	0.0385	mg/Kg	EPA 8260B	1/27/06	102	70-130
Benzene	0.0399	mg/Kg	EPA 8260B	1/30/06	100	70-130
Toluene	0.0399	mg/Kg	EPA 8260B	1/30/06	93.4	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48036

Date : 1/30/2006

QC Report : Laboratory Control Sample (LCS)

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tert-Butanol	0.200	mg/Kg	EPA 8260B	1/30/06	95.9	70-130
Methyl-t-Butyl Ether	0.0399	mg/Kg	EPA 8260B	1/30/06	101	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. 48036

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LoCicero

California EDF Report? ☒ Yes ☐ No

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

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300028

Project #: NC-40 P.O. #:

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

Project Name: Former Totem Pole Market

Sampler Signature: Hanna Lindeman

Project Address: 508 Fortuna Blvd, Fortuna, CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None			Matrix: Water	Soil	Air		MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	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) Silica gel	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
MW-1D @ 5'	1/19/06	11:05		X							X				X					X	X	X						X							X	-01
MW-1D @ 10'	↓	11:15		X							X				X					X	X	X						X							X	-02
MW-1D @ 15'		11:20		X							X				X					X	X	X						X							X	-03
MW-1D @ 19'		11:25		X							X				X					X	X	X						X							X	-04
MW-1S @ 4'		12:15		X							X				X					X	X	X						X							X	-05
MW-1S @ 9'		12:35		X							X				X					X	X	X						X							X	-06
MW-3D @ 5'		14:25		X							X				X					X	X	X						X							X	-07
MW-3D @ 10'		14:30		X							X				X					X	X	X						X							X	-08
MW-3D @ 15'		14:35		X							X				X					X	X	X						X							X	-09
MW-3D @ 19'	↓	14:40		X							X				X					X	X	X						X							X	-10

Relinquished by:	Date	Time	Received by:
Hanna Lindeman	1/20/06		Fed Ex
	012306	1015	Hayli Capik Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
.8	Duc	012306	1015	IR-1	(Yes) / No

Distribution: White - Lab; Pink - Originator

1805

KIFF Analytical LLC

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

SRG # / Lab No. 48036

Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LoCicero

California EDF Report? ☒ Yes ☐ No

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

Sampling Company Log Code:

Phone #: (707) 441-1934

Fax #: (707) 441-1949

Global ID: T0602300028

Project #: NC-40

P.O. #:

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

Project Name: Former Totem Pole Market

Sampler Signature: James Lindeman

Project Address: 508 Fortuna Blvd. Fortuna, CA

Sample Designation	Sampling Date	Sampling 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) Silica gel	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
MW-3S @ 4'	1/19/06	15:30		X							X				X					X	X	X						X							X	-11
MW-3S @ 9'	1/19/06	15:45		X							X				X					X	X	X						X							X	-12

Relinquished by:	Date	Time	Received by:
James Lindeman	1/20/06		Fed Ex
	012306	1015	Gayle Capil Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

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

KIFF Analytical LLC

Report Number : 48159
Date : 2/7/2006

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

Subject : 7 Water Samples
Project Name : Former Totem Pole Market
Project Number : NC-40

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 : 48159
Date : 2/7/2006

Subject : 7 Water Samples
Project Name : Former Totem Pole Market
Project Number : NC-40

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1D, MW-1S and MW-3S.

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-4D and MW-5D for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48159
Date : 2/7/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-1D** Matrix : Water Lab Number : 48159-01
Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**96**	0.50	ug/L	EPA 8260B	2/2/2006
Toluene	**1.4**	0.50	ug/L	EPA 8260B	2/2/2006
Ethylbenzene	**47**	0.50	ug/L	EPA 8260B	2/2/2006
Total Xylenes	**120**	0.50	ug/L	EPA 8260B	2/2/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
TPH as Gasoline	**4600**	50	ug/L	EPA 8260B	2/2/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/2/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/2/2006
TPH as Diesel (Silica Gel)	**< 1000**	1000	ug/L	M EPA 8015	2/1/2006
Octacosane (Diesel Surrogate)	86.0		% Recovery	M EPA 8015	2/1/2006

Sample : **MW-1S** Matrix : Water Lab Number : 48159-02
Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	**260**	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/1/2006
TPH as Diesel (Silica Gel)	**< 200**	200	ug/L	M EPA 8015	2/1/2006
Octacosane (Diesel Surrogate)	92.4		% Recovery	M EPA 8015	2/1/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48159
Date : 2/7/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-3D** Matrix : Water Lab Number : 48159-03
Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	**110**	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	99.2		% Recovery	EPA 8260B	2/1/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	2/3/2006
Octacosane (Diesel Surrogate)	74.6		% Recovery	M EPA 8015	2/3/2006

Sample : **MW-3S** Matrix : Water Lab Number : 48159-04
Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
TPH as Gasoline	**200**	50	ug/L	EPA 8260B	2/2/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/2/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/2/2006
TPH as Diesel (Silica Gel)	**<100**	100	ug/L	M EPA 8015	2/3/2006
Octacosane (Diesel Surrogate)	90.8		% Recovery	M EPA 8015	2/3/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48159
Date : 2/7/2006

Project Name : **Former Totem Pole Market**
Project Number : **NC-40**

Sample : **MW-4D** Matrix : Water Lab Number : 48159-05
Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	116		% Recovery	EPA 8260B	2/1/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	2/1/2006
Octacosane (Diesel Surrogate)	91.0		% Recovery	M EPA 8015	2/1/2006

Sample : **MW-4S** Matrix : Water Lab Number : 48159-06
Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/1/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	2/1/2006
Octacosane (Diesel Surrogate)	89.2		% Recovery	M EPA 8015	2/1/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48159

Date : 2/7/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Sample : **MW-5D** Matrix : Water Lab Number : 48159-07

Sample Date :1/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	2/2/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	2/2/2006
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	2/2/2006
4-Bromofluorobenzene (Surr)	118		% Recovery	EPA 8260B	2/2/2006
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	2/1/2006
Octacosane (Diesel Surrogate)	87.6		% Recovery	M EPA 8015	2/1/2006

Approved By: Joel Kiff

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

Report Number : 48159

Date : 2/7/2006

QC Report : Method Blank Data

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	2/1/2006
Octacosane (Diesel Surrogate)	82.6		%	M EPA 8015	2/1/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	98.7		%	EPA 8260B	2/1/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	98.3		%	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	2/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	96.7		%	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	115		%	EPA 8260B	2/1/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2006
Toluene - d8 (Surr)	96.9		%	EPA 8260B	2/1/2006
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	2/1/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/2/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/2/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/2/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/2/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/2/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/2/2006
Toluene - d8 (Surr)	96.1		%	EPA 8260B	2/2/2006
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	2/2/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48159

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/7/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

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	721	762	ug/L	M EPA 8015	2/1/06	72.1	76.2	5.47	70-130	25
Benzene	48159-06	<0.50	40.0	40.0	38.3	37.2	ug/L	EPA 8260B	2/1/06	95.7	93.0	2.88	70-130	25
Toluene	48159-06	<0.50	40.0	40.0	37.9	37.1	ug/L	EPA 8260B	2/1/06	94.6	92.7	2.12	70-130	25
Tert-Butanol	48159-06	<5.0	200	200	188	194	ug/L	EPA 8260B	2/1/06	93.8	97.2	3.57	70-130	25
Methyl-t-Butyl Ether	48159-06	<0.50	40.0	40.0	38.2	37.8	ug/L	EPA 8260B	2/1/06	95.4	94.6	0.913	70-130	25
Benzene	48163-18	<0.50	40.0	40.0	39.3	39.6	ug/L	EPA 8260B	2/1/06	98.3	99.1	0.819	70-130	25
Toluene	48163-18	<0.50	40.0	40.0	40.0	40.2	ug/L	EPA 8260B	2/1/06	100	100	0.321	70-130	25
Tert-Butanol	48163-18	<5.0	200	200	205	209	ug/L	EPA 8260B	2/1/06	103	104	1.81	70-130	25
Methyl-t-Butyl Ether	48163-18	260	40.0	40.0	297	302	ug/L	EPA 8260B	2/1/06	87.4	99.9	13.4	70-130	25
Benzene	48159-02	<0.50	40.0	40.0	39.9	38.3	ug/L	EPA 8260B	2/1/06	99.7	95.7	4.13	70-130	25
Toluene	48159-02	<0.50	40.0	40.0	37.2	35.8	ug/L	EPA 8260B	2/1/06	93.0	89.5	3.86	70-130	25
Tert-Butanol	48159-02	<5.0	200	200	199	203	ug/L	EPA 8260B	2/1/06	99.3	101	2.05	70-130	25
Methyl-t-Butyl Ether	48159-02	<0.50	40.0	40.0	37.9	36.2	ug/L	EPA 8260B	2/1/06	94.7	90.6	4.36	70-130	25
Benzene	48167-12	<0.50	40.0	40.0	38.3	36.7	ug/L	EPA 8260B	2/1/06	95.8	91.8	4.31	70-130	25
Toluene	48167-12	<0.50	40.0	40.0	37.4	35.6	ug/L	EPA 8260B	2/1/06	93.6	88.9	5.09	70-130	25
Tert-Butanol	48167-12	<5.0	200	200	197	196	ug/L	EPA 8260B	2/1/06	98.4	98.0	0.397	70-130	25
Methyl-t-Butyl Ether	48167-12	210	40.0	40.0	241	237	ug/L	EPA 8260B	2/1/06	70.0	58.4	18.0	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48159

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/7/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48165-07	<0.50	40.0	40.0	39.2	38.6	ug/L	EPA 8260B	2/2/06	98.1	96.5	1.59	70-130	25
Toluene	48165-07	<0.50	40.0	40.0	38.6	38.3	ug/L	EPA 8260B	2/2/06	96.6	95.8	0.847	70-130	25
Tert-Butanol	48165-07	<5.0	200	200	194	192	ug/L	EPA 8260B	2/2/06	97.2	96.2	1.04	70-130	25
Methyl-t-Butyl Ether	48165-07	<0.50	40.0	40.0	41.9	41.3	ug/L	EPA 8260B	2/2/06	105	103	1.39	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48159

QC Report : Laboratory Control Sample (LCS)

Date : 2/7/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/1/06	93.2	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/06	96.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/06	96.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/06	97.2	70-130
Benzene	40.0	ug/L	EPA 8260B	2/1/06	99.1	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/06	105	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/06	106	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/06	110	70-130
Benzene	40.0	ug/L	EPA 8260B	2/1/06	96.9	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/06	89.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/06	98.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/06	102	70-130
Benzene	40.0	ug/L	EPA 8260B	2/1/06	96.3	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/06	96.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/06	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/06	84.6	70-130
Benzene	40.0	ug/L	EPA 8260B	2/2/06	92.9	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48159

QC Report : Laboratory Control Sample (LCS)

Date : 2/7/2006

Project Name : **Former Totem Pole Market**

Project Number : **NC-40**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	2/2/06	97.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/2/06	92.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/2/06	93.7	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. 48159

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Andrew LaCicero

California EDF Report? ☒ Yes ☐ No

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

Sampling Company Log Code:

Phone #: (707) 441-1934 Fax #: (707) 441-1949

Global ID: T0602300028

Project #: NC-40 P.O. #:

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

Project Name: Former Totem Pole Market

Sampler Signature: James Lindemann

Project Address: 508 S. Fortuna Blvd, Fortuna, CA

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	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) Silica gel	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT 1 wk	For Lab Use Only
MW-1D	1/30/06	10:25	6					X			X				X	X	X							X							X	01
MW-1S	↓	10:45	↓					↓			↓				↓	↓	↓							↓							↓	02
MW-3D	↓	11:05	↓					↓			↓				↓	↓	↓							↓							↓	03
MW-3S	↓	11:25	↓					↓			↓				↓	↓	↓							↓							↓	04
MW-4D	↓	11:45	↓					↓			↓				↓	↓	↓							↓							↓	05
MW-4S	↓	12:05	↓					↓			↓				↓	↓	↓							↓							↓	06
MW-5D	↓	12:25	↓					↓			↓				↓	↓	↓							↓							↓	07

Relinquished by:	Date	Time	Received by:
James Lindemann	1/30/06		Fed Ex
	013106	0950	Received by Laboratory: Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
2.4	BAB	013106	0940	IR-1	(Yes) / No

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