FIRST QUARTER 2003
GROUNDWATER MONITORING RESULTS
B&C Gas Mini Mart
Livermore, California

Prepared by

Conor Pacific
2580 Wyandotte Street, Suite G
Mountain View, California 94043

April 2003

Project BNC 103

Conor Pacific

April 11, 2003
Project No. BNC103

Mr. Balaji Angle
B & C Gas Mini Mart
35584 Connovan Lane
Fremont, CA 94536

Re: First Quarter 2003 Groundwater Monitoring Results, B&C Gas Mini Mart, 2008 First Street, Livermore, California (Station ID 1689)

Dear Mr. Angle:

Conor Pacific has compiled first quarter 2003 groundwater monitoring results for B&C Gas Mini Mart (B&C), 2008 First Street, Livermore, California (Figure 1). This report includes groundwater elevation data, groundwater sampling methods, and results of groundwater chemical analyses. At the request of Alameda County Environmental Health (ACEH), all of the sixteen on- and off-site monitoring wells were scheduled for sampling during this quarter.[1] Well MW-6 was not sampled, because of an obstruction in the well casing. Wells MW-1 and (MS)MW-1 were not sampled because free product was observed during well purging.

SITE INFORMATION

Site Name & Contact

Mr. Balaji Angle
B&C Gas Mini Mart
2008 First Street
Livermore, California 94550
(510) 654-3461

Site Description

The B&C property is located on the northeast corner of First and South L Streets in Livermore, California, and currently serves as a gasoline station and mini market and is called Valley Gas. From at least 1988 until 1994, Desert Petroleum (DP) owned and operated the site. In January 1994, DP sold the site to the current owner, Mr. Balaji Angle. The following site description has been compiled from reports on file with

[1] Alameda County Environmental Health (ACEH). 2003. Fuel Leak Case No. R0278, Desert Petroleum/BP Oil, 2008 1st Street, Livermore, CA. Letter dated January 22, 2003 prepared by Donna Drogos.

Alameda County Environmental Health Services (ACEHS) and information provided by the site owner.

The site is located in the Livermore Valley groundwater basin, an area of sedimentary deposition containing braided channel systems with complex interfingering. Subsurface investigations conducted to the west of the B&C site have found an upper unconfined water-bearing zone consisting primarily of gravels with sand and clay. A low-permeability clayey unit is found at depths of approximately 75 to 110 feet below ground surface (bgs). Below the clayey unit, the top of a lower, semi-confined aquifer is found at depths ranging from 110 to 145 feet bgs.[2]

Subsurface work conducted in the B&C area has found predominantly sandy clay, silty sand, silty gravel, and sandy gravel. Over the last 15 years, static water levels have ranged from a low of 69 feet bgs (January 1992) to a high of 17 feet bgs (February 1997). The groundwater flow generally ranges from west of north during the summer and fall months, to north of west during the winter and spring months.

Previous Work Performed at Site

A preliminary site assessment was conducted in September 1988. Three soil borings were completed; one of which was converted to a monitoring well (MW-1). In March 1994, a 280-gallon waste oil underground storage tank (UST) and 25 cubic yards of soil were removed as part of closing the auto repair shop at the station. Three months later in June, wells MW-2, MW-3, and MW-4 were installed (Figure 2).[3]

In August 1994, free product was encountered in well MW-2, and product removal commenced twice a month. By the end of January 1995 no measurable thickness of product remained, only sheen could be detected.[4] In March 1995, a release was reported to have occurred from the union between a tank subpump and product line. The quantity of the release is unknown.

One gasoline UST at the B&C site failed an integrity test in September 1995. The tank was immediately taken out of commission and ACEHS was notified. In July 1996, further source removal was conducted. Two more gasoline USTs were removed, and new double-walled fiberglass USTs and fiberglass piping with automated leak detection were installed. Other remedial activities included the removal of two hydraulic lifts and approximately 700 cubic yards of impacted soil. Also, one 1,000-gallon UST discovered during excavation activities was closed in place with approval from ACEHS and the Livermore Fire Department by grouting with a cement sand slurry. In October 1995, two

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[2] H⁺GCL, Inc. Deep Groundwater Conduit Study, Livermore Arcade Shopping Center, First Street and South P Street, Livermore, California. December 6, 1993.

[3] Remediation Service Int'l. Soil & Groundwater Investigation Report for 2008 First Street, Livermore, California. July 22, 1994.

[4] Product thickness information from Remediation Service, Int'l field records, "Free Product Removal Logs."

additional monitoring wells (off-site well MW-5 and well MW-6) were installed for the B&C site (Figure 2).

Nine downgradient wells (MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, D-1, and D-2) were installed during June and July 1999 to define the downgradient and lateral extent of the plume and provide long-term monitoring locations (Figure 2).[5] Two of the wells, D-1 and D-2, are installed in the semi-confined aquifer below the aquitard. The other wells are installed in the upper water-bearing zone. Table 1 summarizes the well construction details for all on-site and off-site wells installed to date.

The primary constituents of concern are total petroleum hydrocarbons as gasoline (TPH-G); the aromatic compounds benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX); and methyl tertiary-butyl ether (MTBE). Since 1994, concentrations of TPH-G in groundwater generally have decreased.

Interim Remedial Action at Well MW-5

Floating product first was observed in well MW-5 on July 30, 1998. The well is screened from 15 to 40 feet bgs, and the depth to groundwater has historically ranged from 18 to 33 feet bgs, well within the screened interval of the well. Due to the presence of floating free product in well MW-5, interim remedial actions were taken to remove the floating product from the well. A passive bailer or absorbent sock was selected to remove product from well MW-5 based on well access, the thickness of the product, and the rate at which the product enters the well as it is removed.

Over the time period monitored, the absorbent socks have removed sufficient product to reduce the free product thickness to a sheen or less. During the four sampling events in 2000, free product was not measured in well MW-5 and sampling was conducted. However, free product was observed during the purging of well MW-5 during the March and June 2001 sampling events, and so the absorbent sock was replaced in the well and groundwater samples were not collected. During the September 2002 sampling event, the absorbent sock was above the groundwater surface (the lowest water levels measured to date were measured during this sampling event) and no product was observed on the sock; the sock was re-installed and lowered to intersect the water table. During the past two monitoring events, the absorbent sock was removed, some product sheen was observed in the purge water although no product thickness could be measured, and a new absorbent sock was installed to intersect the water table.

GROUNDWATER SAMPLING AND ANALYSIS

Sampling activities are reviewed below. Groundwater sampling methods and results are presented and a discussion of historical analytical trends for site monitoring wells is included.

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[5] Einarson, Fowler & Watson, November 5, 1999, Report of Downgradient Investigation, B&C Gas Mini Mart, 2008 First Street, Livermore, California.

Free Product

During this sampling event, Conor Pacific checked for free product in all site wells. No measurable free product was observed. However, during well purging, small globules or a sheen of product was observed in the purge water from wells MW-1, MW-2, MW-5, and (MS)MW-1. The product thickness could not be measured in these wells, because there was too little free product present to be measured using the product probe which measures a minimum of 0.01 feet of product.

Groundwater Elevations

On March 18, 2003, Conor Pacific measured the depth to water in all groundwater monitoring wells. Water levels were measured to the nearest 0.01-foot using a float-activated product probe, according to Conor Pacific's standard measuring protocol,[6] and were recorded on a water level data sheet (Appendix A). Groundwater elevations are calculated by subtracting depth-to-water measurements from the top of well casing elevations, surveyed to Livermore City datum, mean sea level (MSL).

Table 2 summarizes the groundwater elevations from the current monitoring event (historical groundwater elevations are in Appendix C). A groundwater contour map, based on the current water level measurements, is shown in Figure 2. Compared to last quarter, current site groundwater elevations are approximately 0.2-feet lower, while the wells furthest west of the site have groundwater elevations approximately 1-foot higher. The deep zone wells have groundwater elevations approximately 1.7-feet higher than last quarter. Groundwater flow is generally due west during this quarterly monitoring event and the hydraulic gradient is approximately 0.014 foot per foot. The flow direction and gradient are in accordance with previous results.

A vertically downward gradient was observed between the upper water-bearing zone (MW-11 and MW-12) and the semi-confined aquifer (D-1 and D-2), as has been observed during previous quarters.

Sampling Methods

Conor Pacific sampled 13 of the 16 monitoring wells on March 18 to 20, 2003 (MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, D-1, and D2), following Conor Pacific's standard protocol. Well MW-6 was not sampled, because of an obstruction in the well casing. Wells MW-1 and (MS)MW-1 were not sampled because free product was observed during well purging. Wells were purged using a one-use, disposable PVC bailer. Samples were collected from each well using the disposable PVC bailer. Field measurements of temperature, pH, dissolved oxygen, turbidity, and electrical conductivity were taken and recorded on water sample field data sheets (Appendix A). All samples were properly stored on the day of sampling. Chain-

[6] Einarson, Fowler & Watson. Third Quarter 1998 Groundwater Monitoring Results, B&C Gas Mini Mart, Livermore, California, Appendix A. September 10, 1998.

of-custody documentation accompanied the samples through collection and delivery to the analytical laboratory. Purge water was contained in 55-gallon drums and stored on-site pending proper disposal. Evergreen Environmental Services removed purge water stored at the site from previous monitoring events on March 20, 2003.

Analytical Program

Sequoia Analytical of Petaluma, California, a state-certified laboratory, performed all groundwater analyses. At the request of ACEH, all groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by U.S. Environmental Protection Agency (EPA) Method 8015B and benzene, toluene, ethylbenzene, and xylenes (m,p- and o-isomers) (BTEX) and oxygenates (methyl tertiary-butyl ether [MTBE], 1,2-dibromoethane [EDB], 1,2-dichloroethane [EDC], diisopropyl ether [DIPE], ethanol [EtOH], ethyl tert-butyl ether [ETBE], tert-amyl methyl ether [TAME], and tert-butyl alcohol [TBA]) by EPA Method 8260B.[7] Laboratory analyses occurred within specified holding times and within laboratory quality control standards. The certified analytical reports are located in Appendix B.

Analytical Results

Analytical results are presented in Table 3 and historical results are summarized in Appendix C. Analytical results for benzene and MTBE are presented on Figure 3. Over the last nine years of monitoring at the site, concentrations of benzene have steadily decreased in all site wells. Analysis of site groundwater samples for MTBE began in June 1995. Since then, concentrations of MTBE have decreased significantly. Seasonal changes in hydrocarbon concentrations are evident, probably a reflection of seasonal water level fluctuations.

During the first quarter 2003,other than MTBE, no fuel oxygenates were detected in any of the monitoring wells sampled. No hydrocarbons were detected in monitoring wells MW-4, MW-9, MW-10, MW-11, MW-12, D-1, and D-2.

Wells MW-2 and MW-5 have the highest hydrocarbon concentrations. Monitoring wells MW-7, MW-8, and MW-13 show general decreasing hydrocarbon concentrations downgradient of the site, with MTBE concentrations ranging from 8.81 to 34.8 µg/l.

SUMMARY

First quarter 2003 groundwater monitoring results are consistent with previous monitoring results. The furthest downgradient detection of the hydrocarbon plume continues to be at well MW-8.

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[7] Alameda County Environmental Health (ACEH). 2003. Fuel Leak Case No. R0278, Desert Petroleum/BP Oil, 2008 1st Street, Livermore, CA. Letter dated January 22, 2003 prepared by Donna Drogos.

At the request of ACEH, additional investigative work has been proposed to (1) better define the source area based on existing data and supplemental field work, (2) better characterize the geologic and hydrogeologic environment controlling the contaminant fate and transport, (3) improve the delineation of the downgradient, lateral and vertical extent of the plume, (4) estimate the mass flux of MTBE to water supply well CWS#8, and (5) evaluate the potential for vertical migration of the plume to the water supply aquifer.[8]

Second quarter 2003 groundwater monitoring is scheduled for the week of June 9, 2003. If you have any questions regarding this report, please call us at (650) 386-3828.

Sincerely,
Conor Pacific

Kris H. Johnson

Kris H. Johnson, C.E.G. 1763
Senior Engineering Geologist

cc:
Donna Drogos, Alameda County Environmental Health Services
Colleen Winey, Alameda Co. Flood Control and Water Cons. District Zone 7
Regional Water Quality Control Board, San Francisco Bay Region LUFT
State Water Resources Control Board, UST Fund

Attachments:

Tables

Table 1 - Monitoring Well Constructions
Table 2 - First Quarter 2003 Groundwater Elevations
Table 3 - First Quarter 2003 Groundwater Analytical Results

Figures

Figure 1 - Site Location
Figure 2 – Site Plan
Figure 3 - Well Locations and Groundwater Contours (March 2003)
Figure 4 - Groundwater Chemistry (March 2003)

Appendices

Appendix A - Water Sample Field Data Sheets
Appendix B - Laboratory Certified Analytical Reports
Appendix C - Historical Groundwater Elevations and Analytical Results

[8] Conor Pacific, *Workplan for Additional Site Characterization and Downgradient Investigation, B&C Gas Mini Mart, 2008 First Street, Livermore, California*, March 5, 2003

LIMITATIONS

Conor Pacific's services on this project were performed in accordance with current generally accepted environmental consulting principles and practices. This warranty is in lieu of all others, be it expressed or implied. Environmental conditions may exist at the site that could not be observed. Where the scope of services was limited to observations made during site reconnaissance, interviews, and/or review of readily available reports and literature, our conclusions and recommendations are necessarily based largely on information supplied by others, the accuracy and sufficiency of which may not have been independently reviewed by us. Our professional analyses are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions between such sampling points. Additional data from future work or changing conditions may lead to modifications to our professional opinions and recommendations. Any reliance on this report, or portions thereof, by a third party shall be at such party's sole risk.

Table 1
Monitoring Well Constructions
B&C Gas Mini Mart
Livermore, California

Well No.	Drilling Method	Date Installed	T.D. Boring (ft.-bgs)	T.D. Well (ft.-bgs)	Borehole Diameter (inches)	Casing Material (PVC)	Casing Diameter (inches)	Screen Size (inches)	Sand Pack Material	Screened Interval (ft.-bgs)	Sand Pack Interval (ft.-bgs)
MW-1	HSA	Sep-88	77	77	8	PVC	2	0.020	#3 sand	27 - 77	25 - 77
MW-2	HSA	Jun-94	60	60	10	PVC	4	0.020	#2/20 sand	30 - 60	27 - 60
MW-3	HSA	Jun-94	60	60	10	PVC	4	0.020	#2/20 sand	30 - 60	27 - 60
MW-4	HSA	Jun-94	60	60	10	PVC	4	0.020	#2/20 sand	30 - 60	27 - 60
MW-5	HSA	Oct-95	42	40	10	PVC	4	0.020	#2 sand	15 - 40	12 - 40
MW-6	HSA	Oct-95	42	40	10	PVC	4	0.020	#2 sand	15 - 40	12 - 40
MW-7	HSA	Jun-99	62	49	8	PVC	2	0.020	#3 sand	29-49	27-51
MW-8	HSA	Jun-99	62	54	8	PVC	2	0.020	#3 sand	34-54	32-54
MW-9	HSA	Jun-99	45	45	8	PVC	2	0.020	#3 sand	25-45	23-45
MW-10	HSA	Jun-99	55	53.5	8	PVC	2	0.020	#3 sand	33.5-53.5	23-55
MW-11	HSA	Jun-99	50	49	8	PVC	2	0.020	#3 sand	29-49	27-49
MW-12	HSA	Jun-99	45	43.5	8	PVC	2	0.020	#3 sand	23.5-43.5	21-45
MW-13	HSA	Jul-99	55	55	8	PVC	2	0.020	#3 sand	35-55	32-55
D-1	HSA	Jun-99	125	125	8	PVC	2	0.020	#3 sand	110-125	104-125
D-2	HSA	Jun-99	115	114	8	PVC	2	0.020	#3 sand	99-114	94-114
(MS)MW-1	HSA	Apr-89	62	60	NA	PVC	2	NA	NA	30-60	NA

HSA Hollow-Stem Auger
T.D. Total Depth
ft.-bgs feet below ground surface
NA Not available
Well construction information for wells MW-2 through MW-6 collected from Remediation Service Int'l boring logs.

Table 2
First Quarter 2003 Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
		March 18, 2003			
MW-1	484.07	31.57	452.50		
MW-2	483.86	31.42	452.44	NM**	NM**
MW-3	484.24	30.56	453.68		
MW-4	485.04	31.11	453.93		
MW-5	481.97	31.45	450.52	NM**	NM**
MW-6	483.93	NM*	NM*		
MW-7	478.14	31.39	446.75		
MW-8	473.23	37.34	435.89		
MW-9	477.08	33.66	443.42		
MW-10	471.42	38.40	433.02		
MW-11	464.93	34.32	430.61		
MW-12	458.34	28.64	429.70		
MW-13	474.79	33.44	441.35		
D-1	464.70	35.50	429.20		
D-2	457.61	28.63	428.98		
(MS)MW-1	477.79	35.82	441.97	NM**	NM**

Notes:

MSL = mean sea level

NM = not measured

MS = Mill Springs Park

(1) - free product visible in purge or sample water

* Obstruction in well MW-6 at approximately 28.5 feet below top of casing

** Evidence of free product was visible in the purge water, but free product thickness could not be measured

Table 3
Fourth Quarter 2002 Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dichloroethane (µg/L)	Benzene (µg/L)	Diisopropyl ether (µg/L)	Ethanol (µg/L)	Ethyl tert-butyl ether (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	Methyl tert-butyl ether (µg/L)	o-Xylene (µg/L)	tert-Amyl Methyl Ether (µg/L)	tert-Butyl Alcohol (µg/L)	Toluene (µg/L)
MW-1	3/19/03**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	3/20/03	10,000	<20	<20	608	<40	<2000	<40	1,080	352	<200	27.5	<40	<2000	99.0
MW-3	3/19/03	2,300	<0.5	<0.5	118	<1	<50	<1	46.1	24.1	121	7.57	<1	<50	14.6
MW-4	3/20/03	<50	<0.5	<0.5	<0.5	<1	<50	<1	<0.5	<1	<5	<0.5	<1	<50	<0.5
MW-5	3/20/03	17,000	<0.5	<0.5	682	<1	<50	<1	936	620	<5	35.2	<1	<50	36.7
MW-6	3/19/03*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-7	3/19/03	500	<0.5	<0.5	15.1	<1	<50	<1	15.8	<2	18.8	<1	<1	<50	1.22
MW-8	3/19/03	<50	<0.5	<0.5	<1	<1	<50	<1	<1	<2	8.81	<1	<1	<50	<1
MW-9	3/20/03	<50	<0.5	<0.5	<0.5	<1	<50	<1	<0.5	<1	<5	<0.5	<1	<50	<0.5
MW-10	3/19/03	<50	<0.5	<0.5	<1	<1	<50	<1	<1	<1	<5	<1	<1	<50	<1
MW-11	3/18/03	<50	<0.5	<0.5	<1	<1	<50	<1	<1	<1	<5	<1	<1	<50	<1
MW-12	3/18/03	<50	<0.5	<0.5	<1	<1	<50	<1	<1	<1	<5	<1	<1	<50	<1
MW-13	3/19/03	100	<0.5	<0.5	7.19	<1	<50	<1	<1	<1	34.8	<1	<1	<50	<1
D-1	3/18/03	<50	<0.5	<0.5	<1	<1	<50	<1	<1	<1	<5	<1	<1	<50	<1
D-2	3/18/03	<50	<0.5	<0.5	<1	<1	<50	<1	<1	<1	<5	<1	<1	<50	<1
(MS)MW-1	3/19/03**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

µg/L = micrograms per liter

TPH-G = total petroleum hydrocarbons as gasoline

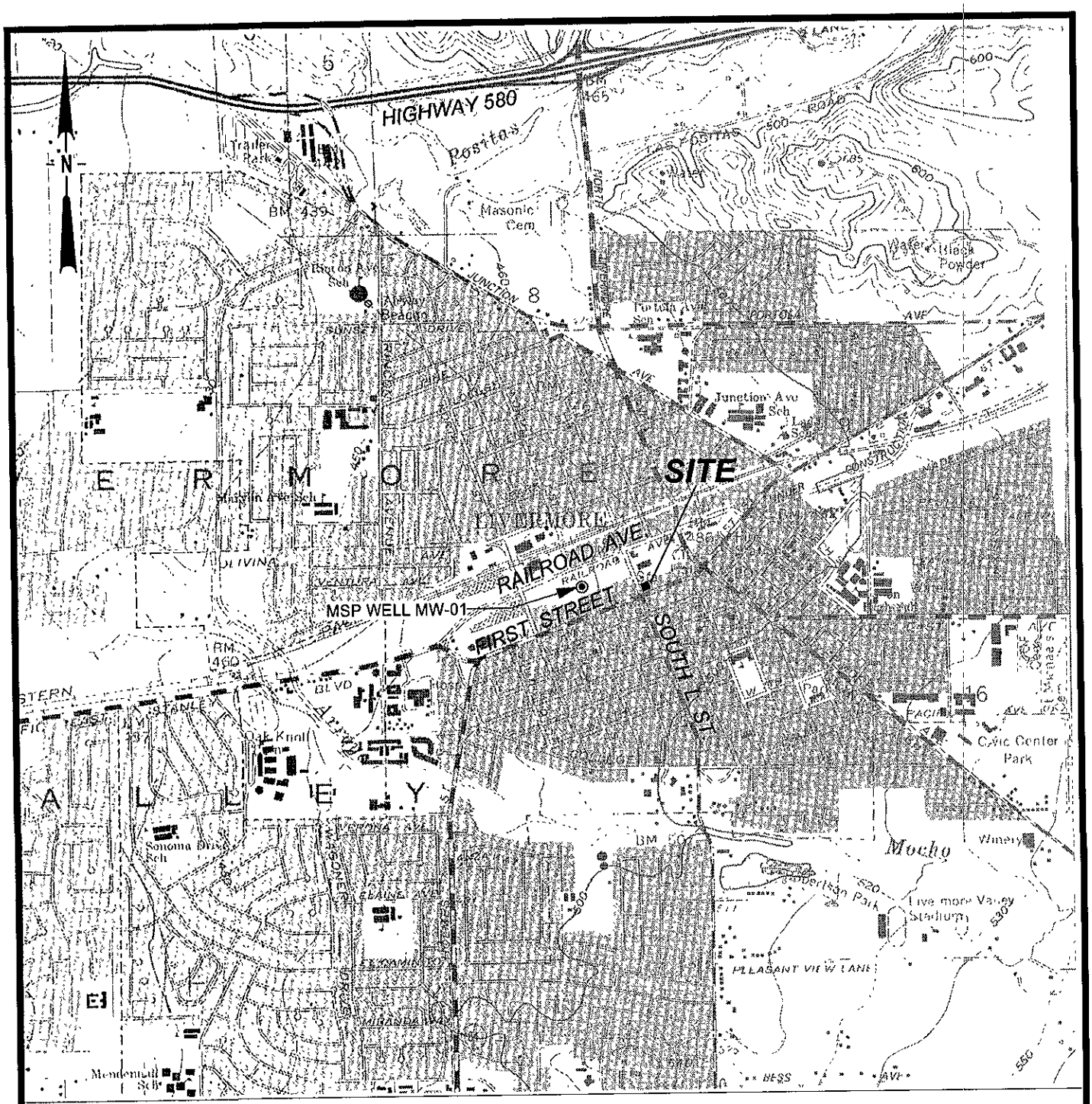
MS = Mill Springs Park Apartments

NS = not sampled

* Obstruction in well MW-6 at approximately 28.5 feet below top of casing

** = free product hydrocarbon present

< = less than the laboratory reporting limit



Base map: USGS 7.5' topography, Livermore, California (1961; photorevised 1980)

SCALE: 0 2,000 4,000 FEET

I/BNC/103/FIGURES/SITELOC.DSF 4/22/99

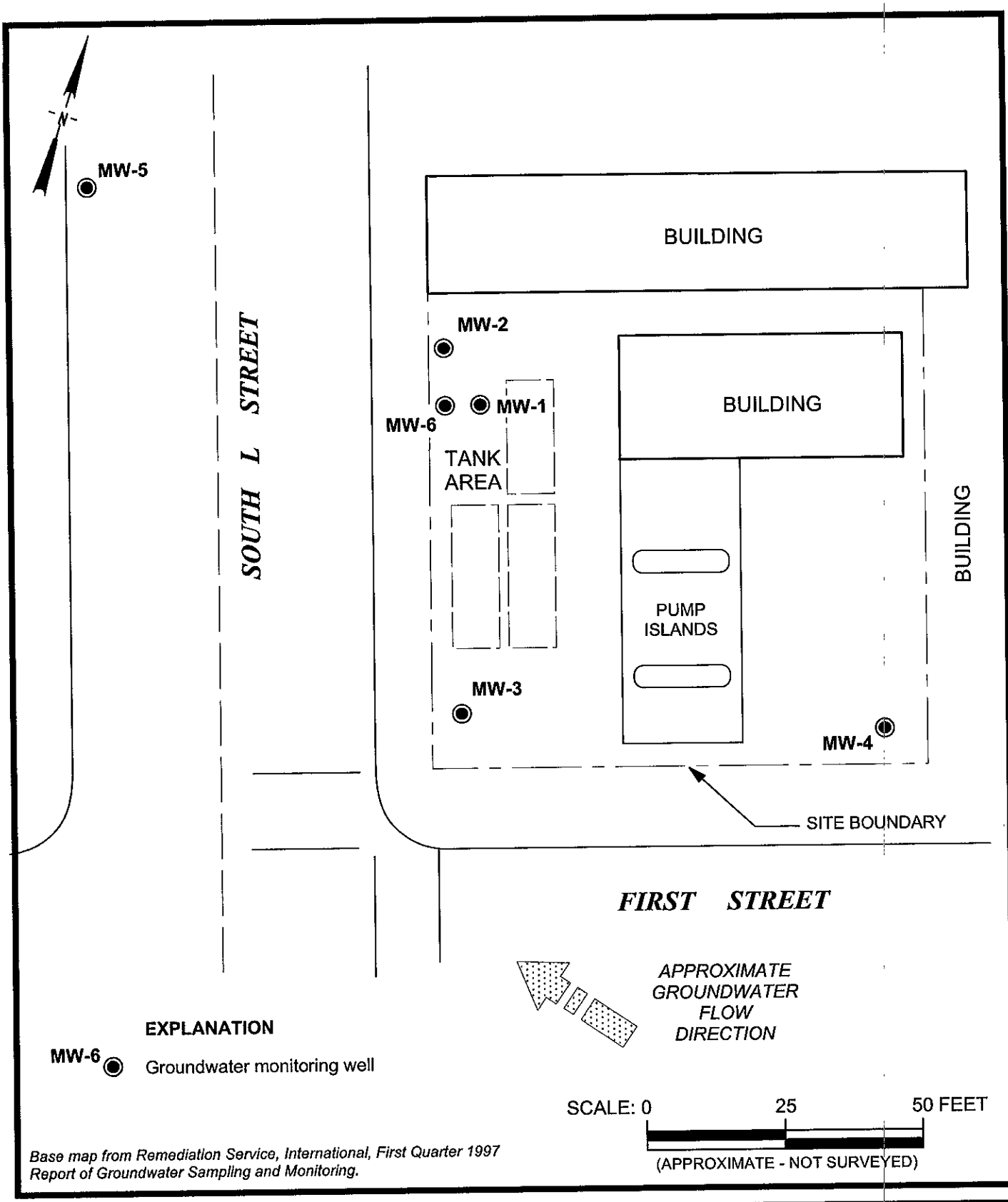
Conor Pacific EFW

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORINA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
BNC103



Base map from Remediation Service, International, First Quarter 1997 Report of Groundwater Sampling and Monitoring.

Conor Pacific EFW

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORINA

SITE PLAN

FIGURE
2

PROJECT NO.
BNC103

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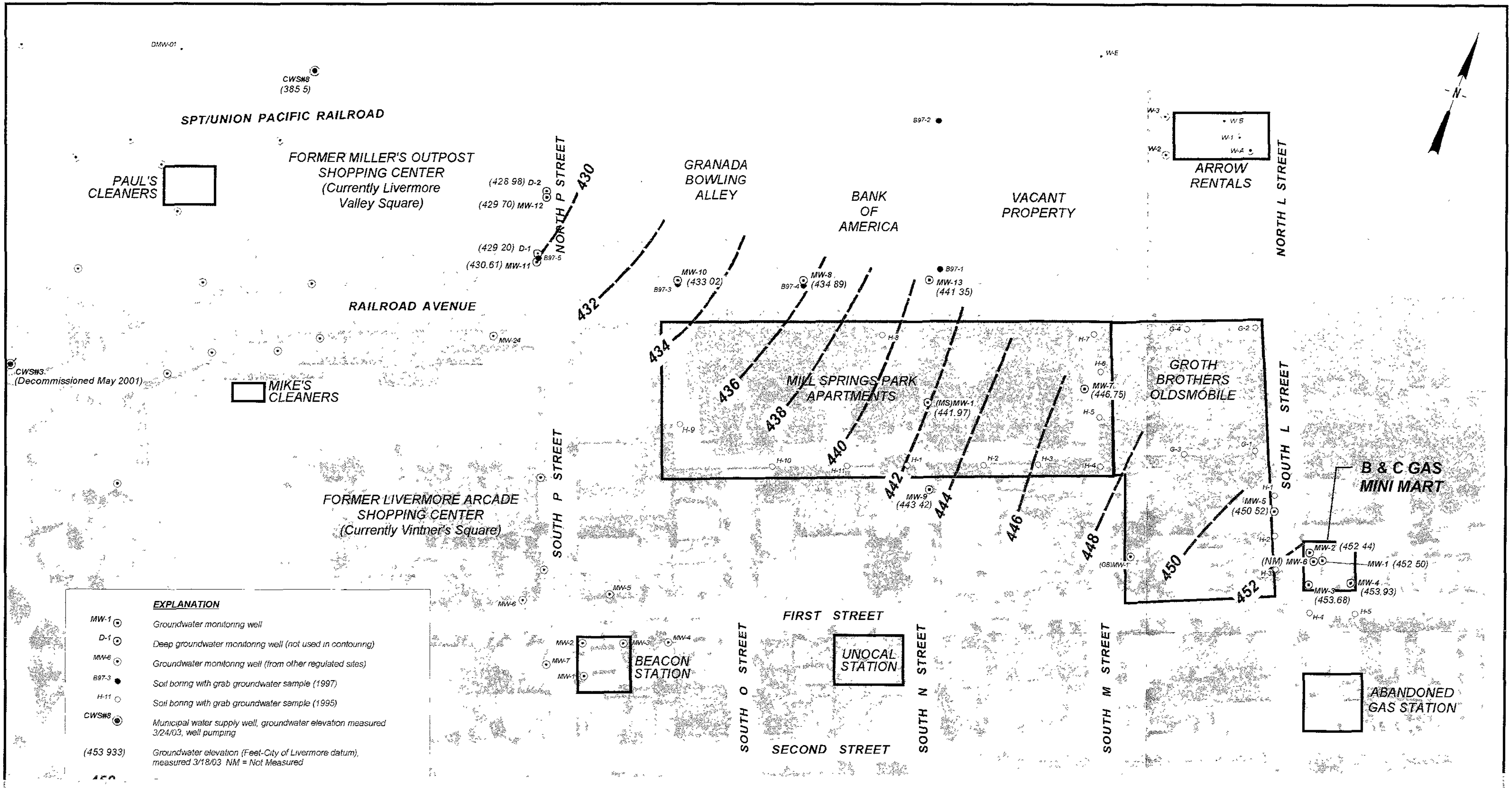


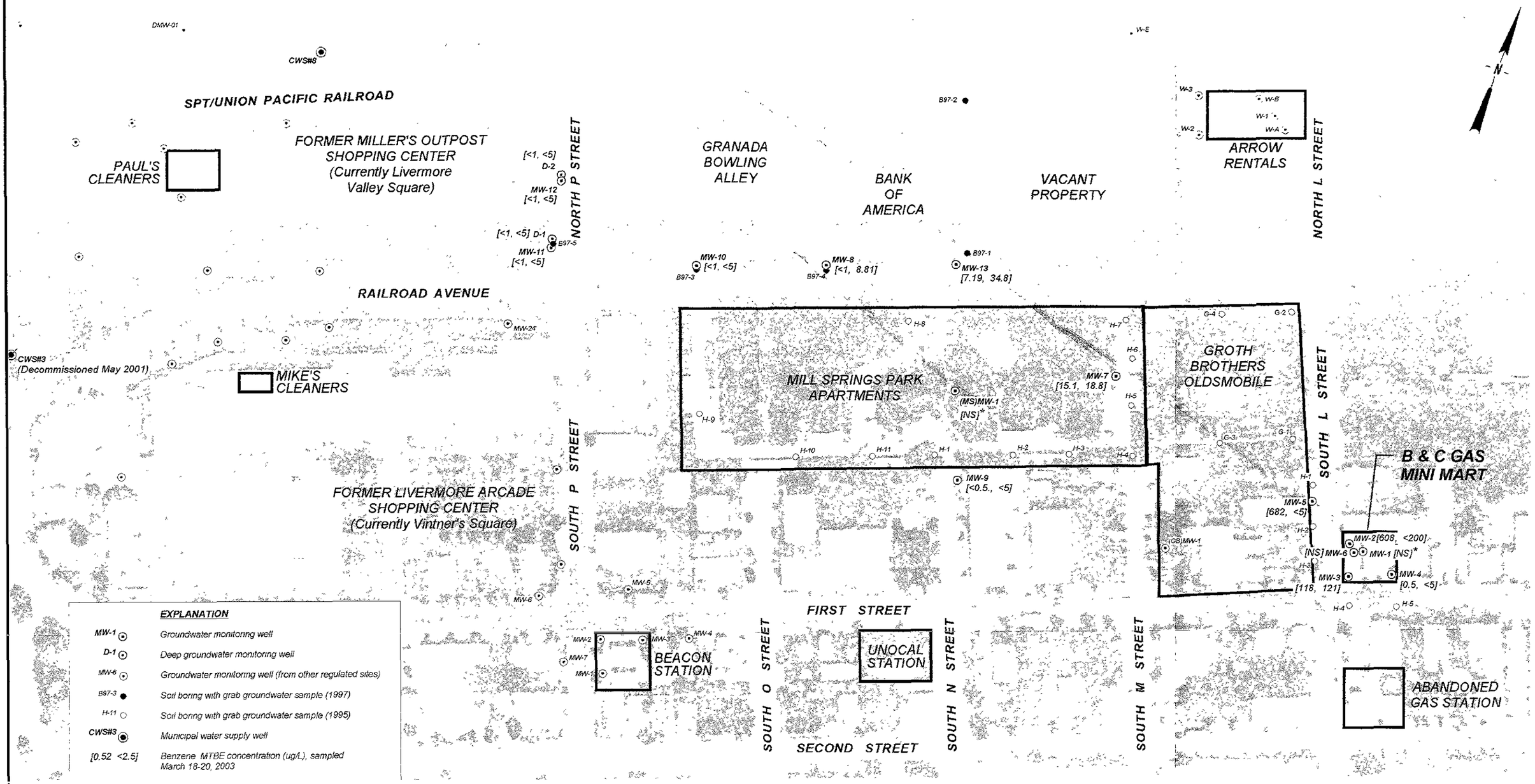
SPT/UNION PACIFIC RAILROAD
CWS#8 (385 5)
DMW-01
PAUL'S CLEANERS
FORMER MILLER'S OUTPOST SHOPPING CENTER (Currently Livermore Valley Square)
(428 98) D-2
(429 70) MW-12
(429 20) D-1
(430.61) MW-11
B97-5
NORTH P STREET
430
432
434
436
438
440
442
444
446
448
450
452
GRANADA BOWLING ALLEY
BANK OF AMERICA
VACANT PROPERTY
ARROW RENTALS
NORTH L STREET
W-E
W-1
W-2
W-3
W-4
W-5
B97-2
B97-1
B97-3
B97-4
MW-10 (433 02)
MW-8 (434 89)
MW-13 (441 35)
RAILROAD AVENUE
MW-24
CWS#3 (Decommissioned May 2001)
MIKE'S CLEANERS
MILL SPRINGS PARK APARTMENTS
(MS)MW-1 (441.97)
MW-7 (446.75)
MW-9 (443 42)
GROTH BROTHERS OLDSMOBILE
G-1
G-2
G-3
G-4
H-1
H-2
H-3
H-4
H-5
H-6
H-7
H-8
H-9
H-10
H-11
(GB)MW-1
MW-5 (450 52)
SOUTH L STREET
B & C GAS MINI MART
MW-2 (452 44)
(NM) MW-6
MW-1 (452 50)
MW-3 (453.68)
MW-4 (453.93)
FORMER LIVERMORE ARCADE SHOPPING CENTER (Currently Vintner's Square)
SOUTH P STREET
MW-5
MW-6
MW-2
MW-3
MW-4
MW-7
MW-1
BEACON STATION
FIRST STREET
SOUTH O STREET
UNOCAL STATION
SOUTH N STREET
SOUTH M STREET
SECOND STREET
ABANDONED GAS STATION
N
EXPLANATION
MW-1 Groundwater monitoring well
D-1 Deep groundwater monitoring well (not used in contouring)
MW-6 Groundwater monitoring well (from other regulated sites)
B97-3 Soil boring with grab groundwater sample (1997)
H-11 Soil boring with grab groundwater sample (1995)
CWS#8 Municipal water supply well, groundwater elevation measured 3/24/03, well pumping
(453 933) Groundwater elevation (Feet-City of Livermore datum), measured 3/18/03 NM = Not Measured

SCALE 0 200 400 FEET

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

WELL LOCATIONS AND GROUNDWATER CONTOURS MARCH 2003

3



SCALE 0 200 400 FEET

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE CALIFORNIA

GROUNDWATER CHEMISTRY - MARCH 2003

APPENDIX A

Water Sample Field Data Sheets

WATER LEVEL DATA SHEET
Conor Pacific

Project: B&C Gas Mini Mart
Project No.: BNC103
Date(s): 3/12/03
Name: C. Miller
Weather: PARTLY CLOUDY, COOL Sounder #: SLOPE, KECK

Well	Date	Time	DTFP (TOC)	DTW (TOC)	Total Depth	Meas By	Comments
MW-1	3/12/03	1122	~~NM~~	31.57	75.0	CM	
MW-2		1110	NM	31.42	56.0		KECK.
MW-3		1130	—	30.56	57.6		
MW-4		1136	—	31.11	59.9		
MW-5		1147	—	31.45	39.7		
MW-6		1117	NM	NM	NM		KECK. OBSTRUCTED AT 28.5'
MW-7		1319	—	31.39	49.3		
MW-8		1302	—	37.34	53.2		
MW-9		1153	—	33.66	44.0		
MW-10		1254	~~38.14~~	38.4	53.8		
MW-11		1209	—	34.32	48.8		
MW-12		1221	—	28.64	43.3		
MW-13		1312	—	33.44	54.3		
D-1		1215	—	35.50	124.0		
D-2		1233	—	28.63	111.1		DIFFICULT TO MEASURE TD - SOFT BOTT.
MS MW01	↓	1229	NM	35.82	NM	↓	KECK.

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MW-1
PROJECT NO: BNC103
SAMPLED BY: C. Mc
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 75.0	Volume in Casing (gal): 7.5
Depth to Water (ft): 31.45	Calculated Purge (volumes / gal.): 7.5
Height of Water Column (ft): 43.55	Actual Pre-Sampling Purge (gal): 1.75

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
____	~~2.0~~	____	____	____	____	____	____	____
1457	1.75	____	____	____	____	____	____	PRODUCT PRESENT
____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____

Purge Date: 3/19/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 72'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
____	____	____	____	____	____	____	____

Sheen: ____ Odor: ____ Sample Date: ____

Field Measurement Devices: Horiba MY Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: PURGED 1.75 gal, PRODUCT PRESENT. SMALL BROWN GLOBULES OF PRODUCT PRESENT WATER. WATER ALSO HAD A SHINY APPEARANCE TO IT. NO SAMPLE COLLECTED.

SIGNATURE: [signature] DATE: 3/19/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI-MART
SAMPLE ID: MW-2
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 X 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 56.0	Volume in Casing (gal): 16.3
Depth to Water (ft): 31.35	Calculated Purge (volumes / gal.): 16.3
Height of Water Column (ft): 24.65	Actual Pre-Sampling Purge (gal): 16.5

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer ~~X~~ cm
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump ES-60 53 Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1342	5.5	21.9	1030	7.08	LT. GREY / LT. BROWN	LOW		PARTICULATES
1359	11.0	21.3	1000	7.09	↓	↓		↓
1406	16.5	21.4	1010	7.11	↓	↓		↓

Purge Date: 3/20/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X 1.5 ft
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1417	21.9	1040	7.07	2.60	LT. GREY	36	

Sheen: YES - MODERATE Odor: STRONG Sample Date: 3/20/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume Purge.

SIGNATURE: Chuck Muir DATE: 3/20/03

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: BTC CARS MINI MART
SAMPLE ID: MW-3
PROJECT NO: BNSC103
SAMPLED BY: C. Mun
CLIENT: BTC CARS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 X 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 57.6	Volume in Casing (gal): 18.0
Depth to Water (ft): 30.42	Calculated Purge (volumes / gal.): 18.0
Height of Water Column (ft): 27.18	Actual Pre-Sampling Purge (gal): 18.2

PURGE: 3.0"
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1527	6.2 cum	21.1	1010	7.13	LT. BROWN / LT. GREY	LOW		PARTICULATES
1531	12.4 cum	20.4	1020	7.06	LT. BROWN	↓		↓
1536	18.2 cum	20.2	1020	7.09	↓	↓		

Purge Date: 3/11/03

SAMPLE: 1.5'
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 55
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1545	19.1	1040	7.23	3.70	LT. BROWN	124	PARTICULATES

Sheen: NONE Odor: NONE Sample Date: 3/11/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing volume purge.

SIGNATURE: [signature] DATE: 3/11/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+L GAS MINI MART SAMPLE ID: MW-4

PROJECT NO: BNL103 SAMPLED BY: [illegible]

CLIENT: B+L GAS MINI MART REGULATORY AGENCY: ACEHS

SAMPLE TYPE: Groundwater X Surface Water ___ Leachate ___ Treatment System ___ Other ___

CASING DIAMETER (OD-inches): 3/4 ___ 1 ___ 2 ___ 4 X 4.5 ___ 6 ___ 8 ___ Other ___

GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft):	59.9	Volume in Casing (gal):	19.1
Depth to Water (ft):	31.06	Calculated Purge (volumes / gal.):	19.1
Height of Water Column (ft):	28.84	Actual Pre-Sampling Purge (gal):	19.5

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer ___ Teflon Bailer ___ PVC Bailer ___ Disp. Bailer X (3.0")
PVC Hand Pump ___ Peristaltic Pump ___ Centrifugal Pump ___ Bladder Pump ___
Pneumatic Displacement Pump ___ Electric Submersible Pump ___ Dedicated ___ Other ___

Purge Water Containment: ___

Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ___

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1218	6.5	20.5	1010	7.24	LT. BROWN	MODERATE		
1227	13.0	20.3	980	7.28	↓	↓		
1238	19.5	20.0	1010	7.31	↓	↓		

Purge Date: 3/20/03

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer ___ Teflon Bailer ___ PVC Bailer ___ Disp. Bailer X 57' (1.5")
PVC Hand Pump ___ Peristaltic Pump ___ Centrifugal Pump ___ Bladder Pump ___
Pneumatic Displacement Pump ___ Electric Submersible Pump ___ Dedicated ___ Other ___

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1248	20.3	1010	7.34	5.93	LT. BROWN	147	

Sheen: NONE Odor: SLIGHT Sample Date: 3/20/03

Field Measurement Devices: Horiba H4 Omega ___ QuickCheck ___ D.O. Test Kit ___

REMARKS: OBSTRUCTION IN WELL ~3.5', 3.0" BAILER WOULD NOT GO PAST OBSTRUCTION. DAISY CHAINED 2X1.5" BAILERS TO PURGE WELL. 1 casing volume purge.

SIGNATURE: [signature] DATE: 3/20/03

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Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C LAS MINI MART — SAMPLE ID: MW-5
PROJECT NO: BNC103 — SAMPLED BY: C. Minn
CLIENT: B+C LAS MINI MART — REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 X 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 39.7	Volume in Casing (gal): 5.7
Depth to Water (ft): 31.16	Calculated Purge (volumes / gal.): 5.7
Height of Water Column (ft): 8.54	Actual Pre-Sampling Purge (gal): 6.0

PURGE: 3.0"
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
958	2.0	19.0	1000	6.96	LT. BROWN	LOW		SHEEN
1001	4.0	20.5	1000	6.97	↓	↓		↓
1005	6.0	20.7	1010	6.99	↓	↓		↓

Purge Date: 3/20/03

SAMPLE: 1.5"
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 37
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1012	20.3	1010	7.10	4.63	LT. BROWN	46	

Sheen: NONE Odor: STRONG Sample Date: 3/20/03

Field Measurement Devices: Horiba U-10 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: Casing Volume Purge.

CALIBRATION ON 3/20/03 AT 947: DO: AUTO, PH: 7.04, 10.13; TEMP: 14°C; COND: 0, 2060; TURB: 0;

SIGNATURE: _____ **DATE:** 3/20/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MW-6
PROJECT NO: BNC103
SAMPLED BY: C. Cmin
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): NM
Depth to Water (ft): NM
Height of Water Column (ft): ____
Volume in Casing (gal): ____
Calculated Purge (volumes / gal.): ____
Actual Pre-Sampling Purge (gal): ____

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUM MED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
OBSTRUCTED AT 28.5'								

Purge Date: ____

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other

Sheen: ____ Odor: ____ Sample Date: ____

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: OBSTRUCTION AT 28.5 MW-6 NOT SAMPLED.

SIGNATURE: Chuck Cmin DATE: 7/19/03

Conor Pacific | EFW

WATER SAMPLE FIELD DATA

LOCATION: BTC GAS MINI MART
SAMPLE ID: MW-7
PROJECT NO: BNC103
SAMPLED BY: C. Main
CLIENT: BTC GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 49.3	Volume in Casing (gal): 3.1
Depth to Water (ft): 31.35	Calculated Purge (volumes / gal.): 3.1
Height of Water Column (ft): 17.95	Actual Pre-Sampling Purge (gal): 3.2

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1200	1.2	21.1	900	7.28	LT. BROWN	LOW		PARTICULATES
1203	2.4	20.3	910	7.24	↓	↓		↓
1206	3.2	20.2	910	7.26	↓	↓		↓

Purge Date: 3/19/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 46'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1215	20.6	940	7.26	3.57	LT. GREY / LT. BROWN	299	

Sheen: NONE Odor: SLIGHT Sample Date: 3/19/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 casing volume purge.

SIGNATURE: Chuck Main DATE: 3/19/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MW-8
PROJECT NO: BNC103
SAMPLED BY: C. Mun
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 53.2	Volume in Casing (gal): 2.7
Depth to Water (ft): 37.44	Calculated Purge (volumes / gal.): 2.7
Height of Water Column (ft): 15.76	Actual Pre-Sampling Purge (gal): 3.0

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1048	1.0	19.1	980	7.02	LT. BROWN	MODERATE		
1051	2.0	19.8	1000	7.01	↓	↓		
1055	3.0	20.1	1030	7.02	↓	↓		

Purge Date: 3/19/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 50'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1102	20.1	1030	7.04	3.22	LT. BROWN	387	

Sheen: NONE Odor: NONE Sample Date: 3/19/03

Field Measurement Devices: Horiba #4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume Purge.

SIGNATURE: [signature] DATE: 3/19/03

Conor Pacific — EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART — SAMPLE ID: MW-9
PROJECT NO: BNC103 — SAMPLED BY: C. Mui
CLIENT: B+C GAS MINI MART — REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 44.0	Volume in Casing (gal): 1.8
Depth to Water (ft): 33.64	Calculated Purge (volumes / gal.): 1.8
Height of Water Column (ft): 10.36	Actual Pre-Sampling Purge (gal): 2.5

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1107	1.0	19.0	999	7.36	LT. BROWN	MODERATE		
1110	2.0	19.8	999	7.28	↓	HIGH		
1112	2.5	19.9	999	7.29	↓	↓		

Purge Date: 3/20/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer 41'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1120	20.0	999	7.32	4.32	LT. BROWN	781	

Sheen: NONE Odor: SLIGHT Sample Date: 3/20/03

Field Measurement Devices: Horiba MY Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume purge.

SIGNATURE: Chuen Mui DATE: 3/20/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MW-10
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 53.8	Volume in Casing (gal): 2.7
Depth to Water (ft): 38.09	Calculated Purge (volumes / gal.): 2.7
Height of Water Column (ft): 15.71	Actual Pre-Sampling Purge (gal): 3.0

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1123	1.0	18.9	910	7.12	LT. BROWN	HIGH		
1126	2.0	19.5	930	7.08	↓	↓		
1129	3.0	19.4	960	7.10	↓	↓		

Purge Date: 3/19/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 50'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1135	19.7	940	7.18	3.72	LT. BROWN	570	

Sheen: NONE Odor: NONE Sample Date: 3/19/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume purge.

SIGNATURE: Chuck Muir DATE: 3/19/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART — SAMPLE ID: MW-11
PROJECT NO: BAC 103 — SAMPLED BY: C. MAIR
CLIENT: B+C GAS MINI MART — REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 48.8	Volume in Casing (gal): 2.5
Depth to Water (ft): 34.32	Calculated Purge (volumes / gal.): 2.5
Height of Water Column (ft): 14.48	Actual Pre-Sampling Purge (gal): 3.0

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1718	1.0	20.5	1070	7.19	LT. BROWN	HIGH		
1721	2.0	20.7	1070	7.18	↓	↓		
1724	3.0	20.9	1070	7.19	↓	↓		

Purge Date: 3/18/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer 46'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1727	20.6	7.19	1080	4.60	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 3/18/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume Purge.

SIGNATURE: Chuck Mair DATE: 3/18/03

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MW-12
PROJECT NO: BNC103
SAMPLED BY: C. Min
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 43.3	Volume in Casing (gal): 2.5
Depth to Water (ft): 28.64	Calculated Purge (volumes / gal.): 2.5
Height of Water Column (ft): 14.66	Actual Pre-Sampling Purge (gal): 3.0

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1550	1.0	20.1	1090	7.12	LT. BROWN	MODERATE		
1554	2.0	20.3	1090	7.11	↓	↓		
1557	3.0	20.3	1090	7.13	↓	↓		

Purge Date: 3/18/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer 40'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1600	20.1	1110	7.12	5.37	LT. BROWN	264	

Sheen: NONE Odor: NONE Sample Date: 3/18/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume purge.

SIGNATURE: Chuck Min DATE: 3/18/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MW-13
PROJECT NO: BNC104
SAMPLED BY: C-Mui
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 54.3	Volume in Casing (gal): 3.6
Depth to Water (ft): 33.37	Calculated Purge (volumes / gal.): 3.6
Height of Water Column (ft): 20.93	Actual Pre-Sampling Purge (gal): 4.0

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1012	1.5	18.3	970	7.12	LT. BROWN	MODERATE		PARTICULATES
1016	3.0	19.5	960	7.13	↓	↓		↓
1019	4.0	19.7	980	7.13	↓	↓		↓

Purge Date: 3/19/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 51'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1026	19.6	930	7.23	3.55	LT. BROWN	110	PARTICULATES

Sheen: NONE Odor: NONE Sample Date: 3/19/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume Purge.

CALIBRATION on 3/19/03 AT 959. DO: NOT; PH: 7.05, 10.14; TEMP: 12°C; COND: 0, 2060; TURB: 0;

SIGNATURE: Chuck Mui DATE: 3/19/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: D-1
PROJECT NO: BNC103
SAMPLED BY: C. Main
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 124.0	Volume in Casing (gal): 15.1
Depth to Water (ft): 35.50	Calculated Purge (volumes / gal.): 15.1
Height of Water Column (ft): 88.50	Actual Pre-Sampling Purge (gal): 15.5

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1631	5.5	19.5	1080	7.49	LT. BROWN	LOW		
1638	11.0	19.7	1100	7.49	↓	↓		
1659	15.5	19.6	1100	7.51	↓	MODERATE		

Purge Date: 3/18/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 12'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump____ Electric Submersible Pump____ Dedicated____ Other____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1701	19.3	1090	7.49	6.33	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 3/18/03

Field Measurement Devices: Horiba U-44 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 Casing Volume purge.

SIGNATURE: [signature] DATE: 3/18/03

Conor Pacific — EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART — SAMPLE ID: D-2

PROJECT NO: BNC103 — SAMPLED BY: C. Min

CLIENT: B+C GAS MINI MART — REGULATORY AGENCY: ACEHS

SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 111.1	Volume in Casing (gal): 14.1
Depth to Water (ft): 28.63	Calculated Purge (volumes / gal.): 14.1
Height of Water Column (ft): 82.47	Actual Pre-Sampling Purge (gal): 14.5

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer X

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Purge Water Containment: DRUMMED

Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1505	5.0	20.4	1090	7.41	LT. BROWN	LOW		
1515	10.0	19.5	1100 uc	7.43	↓	MODERATE		
1530	14.5	19.5	1100 uc	7.47	↓	HIGH		

Purge Date: 3/18/03

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer 108'

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1533	cm 19.2	1100 cm 1090	7.47	6.25	LT. BROWN	298	

Sheen: NONE Odor: NONE Sample Date: 3/18/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____

REMARKS: 1 Casing volume purge.

CALIBRATION ON 3/18/03 AT 835. DO: AUTO; PH: 7.06, 4.00; TEMP: 11°C; COND: 0, 30, 100; TURB: 0;

SIGNATURE: [signature] DATE: 3/18/03

Conor Pacific | EFW

WATER SAMPLE FIELD DATA

LOCATION: B+C GAS MINI MART
SAMPLE ID: MSMW01
PROJECT NO: BNC 103
SAMPLED BY: C. Muir
CLIENT: B+C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 61.6	Volume in Casing (gal): 4.4
Depth to Water (ft): 35.79	Calculated Purge (volumes / gal.): 4.4
Height of Water Column (ft): 25.81	Actual Pre-Sampling Purge (gal): 0.75

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer X
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1240	0.75 DW							PRODUCT
	3.0 gal							PRESENT
	4.5 gal							

Purge Date: 3/19/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer 59'
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other

Sheen: ____ Odor: ____ Sample Date: ____

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: PURGED 0.75gal PRODUCT PRESENT. SMALL (~2mm DIA. BROWN GLOBULES OF PRODUCT. DISCONTINUED PURGING. NO SAMPLE COLLECTED.

SIGNATURE: Chuck Muir DATE: 3/19/03

APPENDIX B

Laboratory Certified Analytical Reports

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

8 April, 2003

Katrin Schliewen
Conor Pacific / EFW
2580 Wyandotte St., Suite G
Mountain View, CA 94043

RE: B&C Gas Mini Mart
Sequoia Work Order: P303356

Enclosed are the results of analyses for samples received by the laboratory on 03/21/03 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Wiita
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	P303356-01	Water	03/20/03 14:17	03/21/03 16:30
MW-3	P303356-02	Water	03/19/03 15:45	03/21/03 16:30
MW-4	P303356-03	Water	03/20/03 12:48	03/21/03 16:30
MW-5	P303356-04	Water	03/20/03 10:12	03/21/03 16:30
MW-7	P303356-05	Water	03/19/03 12:15	03/21/03 16:30
MW-8	P303356-06	Water	03/19/03 11:02	03/21/03 16:30
MW-9	P303356-07	Water	03/20/03 11:20	03/21/03 16:30
MW-10	P303356-08	Water	03/19/03 11:35	03/21/03 16:30
MW-11	P303356-09	Water	03/18/03 17:27	03/21/03 16:30
MW-12	P303356-10	Water	03/18/03 16:00	03/21/03 16:30
MW-13	P303356-11	Water	03/19/03 10:26	03/21/03 16:30
D-1	P303356-12	Water	03/18/03 17:01	03/21/03 16:30
D-2	P303356-13	Water	03/18/03 15:33	03/21/03 16:30

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Total Petroleum Hydrocarbons as Gasoline by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (P303356-01) Water Sampled: 03/20/03 14:17 Received: 03/21/03 16:30									
Gasoline Range Organics	**10000**	500	ug/l	10	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*86 %*	*65-135*		"	"	"	"	
MW-3 (P303356-02) Water Sampled: 03/19/03 15:45 Received: 03/21/03 16:30									
Gasoline Range Organics	**2300**	250	ug/l	5	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
MW-4 (P303356-03) Water Sampled: 03/20/03 12:48 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-5 (P303356-04) Water Sampled: 03/20/03 10:12 Received: 03/21/03 16:30									
Gasoline Range Organics	**17000**	2500	ug/l	50	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*85 %*	*65-135*		"	"	"	"	
MW-7 (P303356-05) Water Sampled: 03/19/03 12:15 Received: 03/21/03 16:30									
Gasoline Range Organics	**500**	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-8 (P303356-06) Water Sampled: 03/19/03 11:02 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-9 (P303356-07) Water Sampled: 03/20/03 11:20 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Total Petroleum Hydrocarbons as Gasoline by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (P303356-08) Water Sampled: 03/19/03 11:35 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-11 (P303356-09) Water Sampled: 03/18/03 17:27 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*86 %*	*65-135*		"	"	"	"	
MW-12 (P303356-10) Water Sampled: 03/18/03 16:00 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*86 %*	*65-135*		"	"	"	"	
MW-13 (P303356-11) Water Sampled: 03/19/03 10:26 Received: 03/21/03 16:30									
Gasoline Range Organics	**100**	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
D-1 (P303356-12) Water Sampled: 03/18/03 17:01 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
D-2 (P303356-13) Water Sampled: 03/18/03 15:33 Received: 03/21/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030507	03/25/03	03/25/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (P303356-01) Water Sampled: 03/20/03 14:17 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	20.0	ug/l	40	3D03035	04/03/03	04/03/03	EPA 8260B	
1,2-Dichloroethane	ND	20.0	"	"	"	"	"	"	
Diisopropyl ether	ND	40.0	"	"	"	"	"	"	
Ethanol	ND	2000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	40.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	200	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	40.0	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	2000	"	"	"	"	"	"	
Benzene	**608**	20.0	"	"	"	"	"	"	
Ethylbenzene	**1080**	20.0	"	"	"	"	"	"	
m,p-Xylene	**352**	40.0	"	"	"	"	"	"	
o-Xylene	**27.5**	20.0	"	"	"	"	"	"	
Toluene	**99.0**	20.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*106 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-130*		"	"	"	"	
MW-3 (P303356-02) Water Sampled: 03/19/03 15:45 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Ethylbenzene	**46.1**	1.00	"	"	"	"	"	"	
m,p-Xylene	**24.1**	1.00	"	"	"	"	"	"	
o-Xylene	**7.57**	1.00	"	"	"	"	"	"	
Toluene	**14.6**	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*101 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*70-130*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (P303356-02RE1) Water Sampled: 03/19/03 15:45 Received: 03/21/03 16:30									
Methyl tert-butyl ether	**121**	50.0	ug/l	50	3D01038	04/02/03	04/02/03	EPA 8260B	
Benzene	**118**	50.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*102 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-130*		"	"	"	"	
MW-4 (P303356-03) Water Sampled: 03/20/03 12:48 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3D03035	04/03/03	04/03/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*110 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-130*		"	"	"	"	
MW-5 (P303356-04) Water Sampled: 03/20/03 10:12 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3D03026	04/02/03	04/03/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
o-Xylene	**35.2**	1.00	"	"	"	"	"	"	
Toluene	**36.7**	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*104 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*98.5 %*	*70-130*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (P303356-04RE1) Water Sampled: 03/20/03 10:12 Received: 03/21/03 16:30									
Benzene	**682**	20.0	ug/l	40	3D03035	04/03/03	04/03/03	EPA 8260B	
Ethylbenzene	**936**	20.0	"	"	"	"	"	"	
m,p-Xylene	**620**	40.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*108 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*70-130*		"	"	"	"	
MW-7 (P303356-05) Water Sampled: 03/19/03 12:15 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3D01038	04/02/03	04/02/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**18.8**	1.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	**15.1**	1.00	"	"	"	"	"	"	
Ethylbenzene	**15.8**	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	**1.22**	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*98.0 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*70-130*		"	"	"	"	
MW-8 (P303356-06) Water Sampled: 03/19/03 11:02 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3D01038	04/02/03	04/02/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.81**	1.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*94.0 %*	*70-130*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (P303356-06) Water Sampled: 03/19/03 11:02 Received: 03/21/03 16:30									
Surrogate: Toluene-d8		*98.5 %*		*70-130*	*3D01038*	*04/02/03*	*04/02/03*	*EPA 8260B*	
MW-9 (P303356-07) Water Sampled: 03/20/03 11:20 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3D03035	04/03/03	04/03/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*106 %*		*70-130*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*70-130*	"	"	"	"	
MW-10 (P303356-08) Water Sampled: 03/19/03 11:35 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*92.5 %*		*70-130*	"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*		*70-130*	"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (P303356-09) Water Sampled: 03/18/03 17:27 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*98.0 %*		*70-130*	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*70-130*	"	"	"	"	
MW-12 (P303356-10) Water Sampled: 03/18/03 16:00 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*97.0 %*		*70-130*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*70-130*	"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-13 (P303356-11) Water Sampled: 03/19/03 10:26 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**34.8**	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	**7.19**	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*93.5 %*		*70-130*		"	"	"	
Surrogate: Toluene-d8		*98.5 %*		*70-130*		"	"	"	
D-1 (P303356-12) Water Sampled: 03/18/03 17:01 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*102 %*		*70-130*		"	"	"	
Surrogate: Toluene-d8		*100 %*		*70-130*		"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-2 (P303356-13) Water Sampled: 03/18/03 15:33 Received: 03/21/03 16:30									
1,2-Dibromoethane	ND	0.500	ug/l	1	3C31032	03/31/03	03/31/03	EPA 8260B	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Diisopropyl ether	ND	1.00	"	"	"	"	"	"	
Ethanol	ND	50.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
tert-Amyl Methyl Ether	ND	1.00	"	"	"	"	"	"	
tert-Butyl Alcohol	ND	50.0	"	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
m,p-Xylene	ND	1.00	"	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	"	
Toluene	ND	1.00	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*102 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*	*70-130*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Total Petroleum Hydrocarbons as Gasoline by EPA 8015B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3030507 - EPA 5030, waters										
Blank (3030507-BLK1)				Prepared & Analyzed: 03/25/03						
Gasoline Range Organics	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*265*		"	*300*		*88*	*65-135*			
Laboratory Control Sample (3030507-BS1)				Prepared & Analyzed: 03/25/03						
Gasoline Range Organics	2750	50	ug/l	2750		100	65-135			
Surrogate: 4-Bromofluorobenzene	*282*		"	*300*		*94*	*65-135*			
Matrix Spike (3030507-MS1)		**Source: P303366-01**		Prepared & Analyzed: 03/25/03						
Gasoline Range Organics	2680	50	ug/l	2750	ND	97	65-135			
Surrogate: 4-Bromofluorobenzene	*269*		"	*300*		*90*	*65-135*			
Matrix Spike Dup (3030507-MSD1)		**Source: P303366-01**		Prepared & Analyzed: 03/25/03						
Gasoline Range Organics	2610	50	ug/l	2750	ND	95	65-135	3	20	
Surrogate: 4-Bromofluorobenzene	*274*		"	*300*		*91*	*65-135*			

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Petaluma, CA 94954
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FAX (707) 792-0342
www.sequoialabs.com

Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3C31032 - EPA 5030B										
Blank (3C31032-BLK1)				Prepared & Analyzed: 03/31/03						
1,2-Dichloroethane	ND	0.500	ug/l							
Diisopropyl ether	ND	1.00	"							
Ethanol	ND	50.0	"							
Ethyl tert-butyl ether	ND	1.00	"							
Methyl tert-butyl ether	ND	5.00	"							
tert-Amyl Methyl Ether	ND	1.00	"							
tert-Butyl Alcohol	ND	50.0	"							
1,3,5-Trimethylbenzene	ND	1.00	"							
Benzene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Isopropylbenzene	ND	1.00	"							
m,p-Xylene	ND	1.00	"							
n-Hexane	ND	1.00	"							
n-Propylbenzene	ND	1.00	"							
o-Xylene	ND	1.00	"							
Toluene	ND	1.00	"							
Surrogate: 1,2-DCA-d4	*19.5*		"	*20.0*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*20.2*		"	*20.0*		*101*	*70-130*			
Laboratory Control Sample (3C31032-BS1)				Prepared & Analyzed: 03/31/03						
Diisopropyl ether	9.75	1.00	ug/l	10.0		97.5	75-125			
tert-Butyl Alcohol	44.9	50.0	"	50.0		89.8	75-125			
Surrogate: 1,2-DCA-d4	*19.2*		"	*20.0*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*20.2*		"	*20.0*		*101*	*70-130*			
Laboratory Control Sample Dup (3C31032-BSD1)				Prepared & Analyzed: 03/31/03						
Diisopropyl ether	9.59	1.00	ug/l	10 0		95.9	75-125	1.65	25	
tert-Butyl Alcohol	43.9	50.0	"	50.0		87.8	75-125	2.25	25	
Surrogate: 1,2-DCA-d4	*19.5*		"	*20.0*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*19.8*		"	*20.0*		*99.0*	*70-130*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3C31032 - EPA 5030B										
Matrix Spike (3C31032-MS1)		**Source: B3C0718-01**		Prepared & Analyzed: 03/31/03						
Diisopropyl ether	11.2	1.00	ug/l	10.0	ND	112	60-140			
tert-Butyl Alcohol	47.8	50.0	"	50.0	ND	95.6	60-140			
Surrogate: 1,2-DCA-d4	*18.9*		"	*20.0*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*19.9*		"	*20.0*		*99.5*	*70-130*			
Matrix Spike Dup (3C31032-MSD1)		**Source: B3C0718-01**		Prepared & Analyzed: 03/31/03						
Diisopropyl ether	11.9	1.00	ug/l	10.0	ND	119	60-140	6.06	40	
tert-Butyl Alcohol	52.8	50.0	"	50.0	ND	106	60-140	9.94	40	
Surrogate: 1,2-DCA-d4	*19.1*		"	*20.0*		*95.5*	*70-130*			
Surrogate: Toluene-d8	*19.9*		"	*20.0*		*99.5*	*70-130*			
Batch 3D01038 - EPA 5030B										
Blank (3D01038-BLK1)				Prepared & Analyzed: 04/02/03						
1,2-Dibromoethane	ND	0.500	ug/l							
1,2-Dichloroethane	ND	0.500	"							
Diisopropyl ether	ND	1.00	"							
Ethanol	ND	50.0	"							
Ethyl tert-butyl ether	ND	1.00	"							
Methyl tert-butyl ether	ND	1.00	"							
tert-Amyl Methyl Ether	ND	1.00	"							
tert-Butyl Alcohol	ND	50.0	"							
Benzene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
m,p-Xylene	ND	2.00	"							
o-Xylene	ND	1.00	"							
Toluene	ND	1.00	"							
Surrogate: 1,2-DCA-d4	*18.6*		"	*20.0*		*93.0*	*70-130*			
Surrogate: Toluene-d8	*20.1*		"	*20.0*		*100*	*70-130*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3D01038 - EPA 5030B										
Laboratory Control Sample (3D01038-BS1)				Prepared & Analyzed: 04/02/03						
Diisopropyl ether	11.0	1.00	ug/l	10.0		110	75-125			
Methyl tert-butyl ether	10.2	1.00	"	10.0		102	75-125			
tert-Butyl Alcohol	55.3	50.0	"	50.0		111	75-125			
Surrogate: 1,2-DCA-d4	*20.7*		"	*20.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*20.1*		"	*20.0*		*100*	*70-130*			
Laboratory Control Sample Dup (3D01038-BSD1)				Prepared & Analyzed: 04/02/03						
Diisopropyl ether	9.55	1.00	ug/l	10.0		95.5	75-125	14.1	25	
Methyl tert-butyl ether	9.09	1.00	"	10.0		90.9	75-125	11.5	25	
tert-Butyl Alcohol	46.5	50.0	"	50.0		93.0	75-125	17.3	25	
Surrogate: 1,2-DCA-d4	*25.8*		"	*20.0*		*129*	*70-130*			
Surrogate: Toluene-d8	*25.9*		"	*20.0*		*130*	*70-130*			
Batch 3D03026 - EPA 5030B										
Blank (3D03026-BLK1)				Prepared: 04/02/03 Analyzed: 04/03/03						
1,2-Dibromoethane	ND	0.500	ug/l							
1,2-Dichloroethane	ND	0.500	"							
Diisopropyl ether	ND	1.00	"							
Ethanol	ND	50.0	"							
Ethyl tert-butyl ether	ND	1.00	"							
Methyl tert-butyl ether	ND	5.00	"							
tert-Amyl Methyl Ether	ND	1.00	"							
tert-Butyl Alcohol	ND	50.0	"							
Benzene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
m,p-Xylene	ND	1.00	"							
o-Xylene	ND	1.00	"							
Toluene	ND	1.00	"							
Surrogate: 1,2-DCA-d4	*20.2*		"	*20.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*20.0*		"	*20.0*		*100*	*70-130*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3D03026 - EPA 5030B										
Laboratory Control Sample (3D03026-BS1)				Prepared: 04/02/03 Analyzed: 04/03/03						
Diisopropyl ether	10.3	1.00	ug/l	10.0		103	75-125			
Methyl tert-butyl ether	10.2	5.00	"	10.0		102	75-125			
tert-Butyl Alcohol	52.0	50.0	"	50.0		104	75-125			
Surrogate: 1,2-DCA-d4	*20.3*		"	*20.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*19.8*		"	*20.0*		*99.0*	*70-130*			
Laboratory Control Sample Dup (3D03026-BSD1)				Prepared: 04/02/03 Analyzed: 04/03/03						
Diisopropyl ether	10.3	1.00	ug/l	10.0		103	75-125	0.00	25	
Methyl tert-butyl ether	10.2	5.00	"	10.0		102	75-125	0.00	25	
tert-Butyl Alcohol	54.0	50.0	"	50.0		108	75-125	3.77	25	
Surrogate: 1,2-DCA-d4	*20.8*		"	*20.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*19.6*		"	*20.0*		*98.0*	*70-130*			
Batch 3D03035 - EPA 5030B										
Blank (3D03035-BLK1)				Prepared & Analyzed: 04/03/03						
1,2-Dibromoethane	ND	0.500	ug/l							
1,2-Dichloroethane	ND	0.500	"							
Diisopropyl ether	ND	1.00	"							
Ethanol	ND	50.0	"							
Ethyl tert-butyl ether	ND	1.00	"							
Methyl tert-butyl ether	ND	5.00	"							
tert-Amyl Methyl Ether	ND	1.00	"							
tert-Butyl Alcohol	ND	50.0	"							
Benzene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
m,p-Xylene	ND	1.00	"							
o-Xylene	ND	0.500	"							
Toluene	ND	0.500	"							
Surrogate: 1,2-DCA-d4	*21.7*		"	*20.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*20.1*		"	*20.0*		*100*	*70-130*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3D03035 - EPA 5030B										
Laboratory Control Sample (3D03035-BS1)				Prepared & Analyzed: 04/03/03						
Diisopropyl ether	10.2	1.00	ug/l	10.0		102	75-125			
Methyl tert-butyl ether	9.92	5.00	"	10.0		99.2	75-125			
tert-Butyl Alcohol	56.0	50.0	"	50.0		112	75-125			
Surrogate: 1,2-DCA-d4	*21.0*		"	*20.0*		*105*	*70-130*			
Surrogate: Toluene-d8	*19.5*		"	*20.0*		*97.5*	*70-130*			
Laboratory Control Sample Dup (3D03035-BSD1)				Prepared & Analyzed: 04/03/03						
Diisopropyl ether	10.3	1.00	ug/l	10.0		103	75-125	0.976	25	
Methyl tert-butyl ether	10.4	5.00	"	10.0		104	75-125	4.72	25	
tert-Butyl Alcohol	59.3	50.0	"	50.0		119	75-125	5.72	25	
Surrogate: 1,2-DCA-d4	*21.4*		"	*20 0*		*107*	*70-130*			
Surrogate: Toluene-d8	*19.9*		"	*20.0*		*99.5*	*70-130*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P303356
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	04/08/03 14:50

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Conor Pacific EFW

CHAIN OF CUSTODY

Quotation No.

PROJECT NO.: BNC103

SITE NAME: BiC Gas Mini Mart

SAMPLER(S): C Muir (printed) C. muir (signature)

CONTRACT LABORATORY: Sequoia - Petaluma

TURN-AROUND TIME: Standard

EDD required? ☑ Yes ☐ No

ANALYSES: TPH-gas; BTEX Oxy-8 by EPA 8260

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info	TPH-gas	BTEX Oxy-8 by EPA 8260	Cont. Qty.	Remarks
						Type/Vol.	VOA 40	VOA 40		
						Filter	N	N		
						Preserv.	HCl	HCl		
MW-2	P3U3356-1	3/20/03	1417	Water			3	3	6	
MW-3	-2	3/19/03	1545				3	3	6	
MW-4	-3	3/20/03	1248				3	3	6	
MW-5	-4	3/20/03	1012				3	3	6	
MW-7	-5	3/19/03	1215				3	3	6	
MW-8	-6	3/19/03	1102				3	3	6	
MW-9	-7	3/20/03	1120				3	3	6	
MW-10	-8	3/19/03	1135				3	3	6	
MW-11	-9	3/18/03	1727				3	3	6	
MW-12	-10	3/18/03	1600				3	3	6	
MW-13	-11	3/19/03	1026				3	3	6	
D-1	-12	3/18/03	1701				3	3	6	
D-2	-13	3/18/03	1533				3	3	6	

COOLER CUSTODY SEALS INTACT ☐

NOT INTACT ☐

COOLER TEMPERATURE 3.7 °C

Relinquished by: (signature)	Received by: (signature)	Date/Time:
C. muir	[signature]	3-20-03 1300
Relinquished by: (signature)	Received by: (signature)	Date/Time: 03-20-03 1637
Relinquished by: (signature)	Received by: (signature)	Date/Time:

SEND RESULTS TO:

Attn: Katrin Schliewen
Conor Pacific/EFW
2580 Wyandotte St., Suite G
Mountain View, CA 94043
Phone (650) 386-3828
Fax (650) 386-3815

white: lab copy yellow: project file

Conor Pacific EFW

Transmittal

To: Mr. Balaji S. Angle
B&C Gas Mini Mart
35584 Connovan Lane
Fremont, CA 94536

From: Katrin Schliewen
Date: April 14, 2003
Proj. No.: BNC103

Copies	Description	Sent by:
1	First Quarter 2003 Groundwater Monitoring Results, B&C Gas Mini Mart, 2008 First Street, Livermore, California (Station ID 1689)	☒ *Regular Mail* ☐ *FedEx* ☐ *Courier* ☐ *Other*

Comments:

cc:

Copies	Name & Address	Sent by:
1	Donna Drogos, Alameda County Environmental Health Services (**FedEx**)	☒ *Regular Mail*
1	Colleen Winey, Alameda County Flood Control, District Zone 7	☒ *FedEx*
1	RWQCB, San Francisco Bay Region LUFT	☐ *Courier*
1	SWRCB, UST Fund	☐ *Other*

Alameda County
APR 15 2003
Environmental Health

APPENDIX C

Historical Groundwater Elevations and Analytical Results

Table C-1
Historical Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-1	487.00	09/22/88	60.50	426.50		
		08/02/90	43.10	443.90		
		10/10/91	66.39	420.61		
		01/08/92	68.72	418.28		
		05/11/93	34.76	452.24		
		09/21/93	38.70	448.30		
		05/22/94	33.57	453.43		
	484.07	06/19/94	37.51	446.56		
		08/25/94	43.27	440.80		
		11/22/94	40.58	443.49		
		03/13/95	28.06	456.01		
		06/01/95	21.76	462.31		
		02/29/96	18.86	465.21		
		02/01/97	NM	NM		
		07/30/98	25.90	458.17		
		11/05/98	33.23	450.84		
		03/23/99	25.49	458.58		
		06/08/99	27.78	456.29		
		09/27/99	30.65	453.42		
		12/20/99	32.99	451.08		
		03/21/00	23.95	460.12		
		06/21/00	26.55	457.52		
		09/12/00	29.58	454.49		
		12/07/00	30.70	453.37		
		03/21/01	29.80	454.27		
		06/20/01	34.91	449.16		
		09/16/02	37.64	446.43		
		12/23/02	31.54	452.53		
		03/18/03	31.57	452.50		
MW-2	483.86	06/19/94	38.15	445.71		
		08/25/94	44.13	-	43.47	0.66
		11/22/94	40.96	-	40.92	0.04
		03/09/95	29.28	-	28.47	0.81
		03/13/95	28.71	-	28.29	0.42
		06/01/95	22.61	461.25		
		02/29/96	20.05	463.81		
		02/01/97	18.30	465.56		
		07/30/98	25.75	-	25.74	0.01
		11/05/98	33.31	450.55		
		03/23/99	25.51	458.35		
		06/08/99	27.54	456.32		
		09/27/99	30.73	453.13		
		12/20/99	33.02	450.84		
		03/21/00	24.13	459.73		
		06/21/00	26.26	457.60		
		09/12/00	29.40	454.46		
		12/08/00	30.60	453.26		
		03/21/01	29.63	454.23		
		06/20/01	34.68	449.18		
		09/16/02	37.42	446.44	37.41	0.01
		12/23/02	31.46	452.40	FP	
		03/18/03	31.42	452.44	FP	

Table C-1
Historical Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-3	484.24	06/19/94	37.15	447.09		
		08/25/94	42.31	441.93		
		11/22/94	40.07	444.17		
		03/13/95	27.94	456.30		
		06/01/95	21.31	462.93		
		02/29/96	18.78	465.46		
		02/01/97	16.97	467.27		
		07/30/98	24.88	459.36		
		11/05/98	32.09	452.15		
		03/23/99	24.49	459.75		
		06/08/99	26.77	457.47		
		09/27/99	29.52	454.72		
		12/20/99	31.85	452.39		
		03/21/00	22.95	461.29		
		06/21/00	25.60	458.64		
		09/12/00	28.40	455.84		
		12/07/00	29.56	454.68		
		03/21/01	28.69	455.55		
		06/20/01	33.61	450.63		
		09/16/02	36.30	447.94		
		12/23/02	30.38	453.86		
		03/18/03	30.56	453.68		
MW-4	485.04	06/19/94	37.49	447.55		
		08/25/94	42.25	442.79		
		11/22/94	40.59	444.45		
		03/13/95	28.00	457.04		
		06/01/95	21.51	463.53		
		02/29/96	18.42	466.62		
		02/01/97	17.47	467.57		
		07/30/98	25.47	459.57		
		11/05/98	32.67	452.37		
		03/23/99	25.09	459.95		
		06/08/99	27.43	457.61		
		09/27/99	30.16	454.88		
		12/20/99	32.52	452.52		
		03/21/00	23.43	461.61		
		06/21/00	26.14	458.90		
		09/12/00	29.03	456.01		
		12/07/00	29.15	455.89		
		03/21/01	29.35	455.69		
		06/20/01	34.40	450.64		
		09/16/02	36.30	448.74		
		12/23/02	30.93	454.11		
		03/18/03	31.11	453.93		

Table C-1
Historical Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-5	481.97	02/29/96	19.35	462.62		
		02/01/97	18.19	463.78		
		07/30/98	25.25	456.72	25.24	0.01
		11/05/98	32.70	449.27	32.48	0.22
		03/23/99	25.15	456.82		
		06/08/99	27.27	454.70		
		09/27/99	30.00	451.97		
		12/20/99	32.30	449.67	32.23	0.07
		03/21/00	23.55	458.42		
		06/21/00	26.04	455.93		
		09/12/00	28.90	453.07		
		12/07/00	29.89	452.08		
		03/21/01	29.16	452.81	29.15	0.01
		06/20/01	34.04	447.93	33.89	0.15
		09/16/02	36.70	445.27	36.69	0.01
		12/23/02	31.36	450.61	FP	
		03/18/03	31.45	450.52		
MW-6	483.93	02/29/96	20.32	463.61		
		02/01/97	18.92	465.01		
		07/30/98	25.59	458.34	25.58	0.01
		11/05/98	NM >28.4	NM		
		03/23/99	25.43	458.50		
		06/08/99	27.43	456.50		
		09/27/99	NM >28.6	NM		
		12/20/99	NM >28.7	NM		
		03/21/00	24.02 *	459.91		
		06/21/00	26.04 *	457.89		
		09/12/00	NM >28.7	NM		
		12/07/00	NM >28.6	NM		
		03/21/01	NM >28.7	NM		
		06/20/01	NM >28.7	NM		
		09/16/02	NM*	NM		
		12/23/02	NM*	NM		
		03/18/03	NM*	NM		
MW-7	478.14	7/12/99	28.37	449.77		
		09/27/99	30.20	447.94		
		12/20/99	32.44	445.70		
		03/21/00	24.18	453.96		
		06/21/00	26.70	451.44		
		09/12/00	29.28	448.86		
		12/07/00	30.23	447.91		
		03/21/01	29.39	448.75		
		06/02/01	34.38	443.76		
		09/16/02	37.05	441.09		
		12/23/02	31.47	446.67		
		03/18/03	31.39	446.75		

Table C-1
Historical Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-8	473.23	7/12/99	34.29	438.94		
		09/27/99	37.11	436.12		
		12/20/99	39.79	433.44		
		03/21/00	29.10	444.13		
		06/21/00	31.90	441.33		
		09/12/00	35.75	437.48		
		12/07/00	36.88	436.35		
		03/21/01	35.25	437.98		
		06/02/01	41.78	431.45		
		09/16/02	43.32	429.91		
		12/23/02	38.28	434.95		
		03/18/03	38.28	434.95		
MW-9	477.08	7/12/99	30.71	446.37		
		09/27/99	32.61	444.47		
		12/20/99	34.99	442.09		
		03/21/00	26.75	450.33		
		06/21/00	29.28	447.80		
		09/12/00	31.65	445.43		
		12/07/00	32.67	444.41		
		03/21/01	31.47	445.61		
		06/02/01	37.40	439.68		
		09/16/02	39.13	437.95		
		12/23/02	33.89	443.19		
		03/18/03	33.66	443.42		
MW-10	471.42	7/12/99	34.60	436.82		
		09/27/99	37.62	433.80		
		12/20/99	40.04	431.38		
		03/21/00	29.50	441.92		
		06/21/00	32.19	439.23		
		09/12/00	36.19	435.23		
		12/07/00	37.24	434.18		
		03/21/01	35.77	435.65		
		06/02/01	42.25	429.17		
		09/16/02	44.03	427.39		
		12/23/02	39.02	432.40		
		03/18/03	38.40	433.02		
MW-11	464.93	7/12/99	31.00	433.93		
		09/27/99	33.83	431.10		
		12/20/99	35.91	429.02		
		03/21/00	26.41	438.52		
		06/21/00	28.79	436.14		
		09/12/00	32.56	432.37		
		12/07/00	33.40	431.53		
		03/21/01	31.92	433.01		
		06/20/01	38.24	426.69		
		09/16/02	39.87	425.06		
		12/23/02	35.54	429.39		
		03/18/03	34.32	430.61		

Table C-1
Historical Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
MW-12	458.34	7/12/99	25.50	432.84		
		09/27/99	28.28	430.06		
		12/20/99	30.26	428.08		
		03/21/00	20.70	437.64		
		06/21/00	23.11	435.23		
		09/12/00	27.04	431.30		
		12/07/00	27.67	430.67		
		03/21/01	26.24	432.10		
		06/20/01	32.89	425.45		
		09/16/02	34.63	423.71		
		12/23/02	29.84	428.50		
		03/18/03	28.64	429.70		
MW-13	474.79	7/12/99	30.65	444.14		
		09/27/99	32.74	442.05		
		12/20/99	34.98	439.81		
		03/21/00	26.03	448.76		
		06/21/00	28.74	446.05		
		09/12/00	31.62	443.17		
		12/07/00	32.71	442.08		
		03/21/01	31.25	443.54		
		06/20/01	36.55	438.24		
		09/16/02	38.98	435.81		
		12/23/02	33.39	441.40		
		03/18/03	33.44	441.35		
D-1	464.70	7/12/99	30.67	434.03		
		09/27/99	35.32	429.38		
		12/20/99	36.32	428.38		
		03/21/00	27.84	436.86		
		06/21/00	30.40	434.30		
		09/12/00	34.11	430.59		
		12/07/00	33.97	430.73		
		03/21/01	32.32	432.38		
		06/20/01	41.80	422.90		
		09/16/02	43.53	421.17		
		12/23/02	37.23	427.47		
		03/18/03	35.50	429.20		
D-2	457.61	7/12/99	25.72	431.89		
		09/27/99	28.44	429.17		
		12/20/99	29.40	428.21		
		03/21/00	20.91	436.70		
		06/21/00	23.56	434.05		
		09/12/00	27.23	430.38		
		12/07/00	27.98	429.63		
		03/21/01	25.42	432.19		
		06/20/01	34.97	422.64		
		09/16/02	34.80	422.81		
		12/23/02	30.34	427.27		
		03/18/03	28.63	428.98		

Table C-1
Historical Groundwater Elevations
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Date Measured	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet)	Product Thickness (feet)
(MS)MW-1	477.79	07/30/98	30.37	447.42	30.35	0.02
		11/05/98	38.01	439.78	FP	
		03/23/99	29.44	448.35	FP	
		06/08/99	31.70	446.09	FP	
		09/27/99	34.38	443.41		
		12/20/99	37.36	440.43		
		03/21/00	28.22	449.57		
		06/21/00	30.95	446.84		
		09/12/00	33.54	444.25		
		12/07/00	34.56	443.23		
		03/21/01	33.24	444.55	FP	
		06/20/01	39.35	438.44	FP	
		09/16/02	41.07	436.72	41.06	0.01
		12/23/02	35.80	441.99	FP	
		03/18/03	35.82	441.97	FP	

Notes:
Data prior to 1998 from RSI quarterly reports. February 1997 date unknown.
MSL = mean sea level
NM = not measured
MS = Mill Springs Park
FP - free product visible in purge or sample water
Some water levels may not be included in this table, as the results were not available when the data was compiled
* Obstruction in well MW-6 at approximately 28.6 feet below top of casing, or as indicated by ">"
** Suspect a measurement error for the water level in well MW-2 on 12/7/00

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-1	08/02/90	24,000	1,300	1,300	400	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	10/10/91	2,000	430	170	100	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	01/08/92	1,000	200	120	30	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	05/11/93	960	66	8	41	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	09/21/93	1,900	311	118	34	112	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	05/22/94	10,000	690	1,100	340	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	08/26/94	13,000	290	690	120	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	11/22/94	19,000	400	770	230	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/13/95	6,000	900	100	980	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	06/21/95	2,400	210	380	53	280	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	09/14/95	7,800	69	1,300	220	1,200	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	02/29/96	120	4.2	1.4	4.7	5.6	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	02/01/97	NS*	NS*	NS*	NS*	NS*	NS*	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	07/30/98	1,400	26	110	57	243	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	11/05/98	6,000	230	330	240	1,060	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/23/99	6,600	280	420	240	990	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	06/08/99	1,630	70.4	51.7	54.6	138	66.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/22/00	300	17.6	14.2	9.89	40.7	7.84	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	09/13/00	1,500	105	50.7	46.5	157	45.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	03/19/03	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
MW-2	06/19/94	290,000	18,000	36,000	4,600	26,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	08/26/94	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	11/22/94	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	03/13/95	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	06/21/95	25,000	2,300	3,400	720	3,100	16,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	09/14/95	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	02/29/96	57,000	2,500	650	3,700	3,100	6,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	02/01/97	20,000	860	1,500	480	1,000	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	07/30/98	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	11/05/98	40,000	2,400	2,500	2,100	7,200	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	03/23/99	22,000	780	880	780	1,730	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	06/08/99	11,200	352	454	540	639	343	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2

Historical Groundwater Analytical Results

B&C Gas Mini Mart

Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-2	09/28/99	18,000	992	331	901	2,140	225	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	12/21/99	19,200	1,340	818	1,050	2,130	579	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	03/23/00	6,340	281	184	233	348	90.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	06/22/00	5,820	128	94.4	155	161	67.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	09/13/00	18,100	981	926	1,080	2,630	239	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	12/08/00	8,010	548	172	453	621	142	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	03/01/01	18,800	1,300	790	1,150	2,250	372	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	06/01/01	20,000	1,800	750	1,800	2,700	330	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	09/16/02	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	03/20/03	10,00	608	99	1,080	NA	<200	<20	<20	<40	<2000	<40	352	27.5	<40	<2000
MW-3	06/19/94	11,000	640	580	270	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	08/26/94	41,000	1,600	2,300	330	1,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	11/22/94	18,000	8,000	10,000	900	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/13/95	44,000	1,600	1,300	5,000	6,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	06/21/95	15,000	600	1,900	490	2,600	4,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	09/14/95	8,000	710	1,100	180	870	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	02/29/96	13,000	230	200	200	1,100	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	02/01/97	11,000	260	550	170	600	900	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	07/30/98	25,000	330	1,200	490	1,860	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	11/05/98	26,000	400	2,100	820	3,600	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/23/99	6,900	100	160	110	265	220	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	06/08/99	1,210	5.4	9.0	6.9	4.3	53.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/23/00	465	4.56	1.87	6.20	7.45	15.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	09/13/00	488	37.3	5.64	7.25	15.9	160	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/19/03	2,300	118	14.6	46.1	NA	121	<0.5	<0.5	<1	<50	<1	24.1	7.57	<1	<50
MW-4	06/19/94	810	12	25	<0.5	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	08/26/94	850	37	51	9.5	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	11/22/94	1,700	110	110	5.8	58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	03/13/95	1,300	180	8	52	77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	06/21/95	ND	3	1	ND	1	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	09/14/95	<50	0.7	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-4	02/29/96	87	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	02/01/97	<50	<0.5	<0.5	<0.5	<0.5	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	07/30/98	<50	<0.4	0.6	<0.3	0.8	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	11/05/98	<50	0.7	<0.3	<0.3	<0.8	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	03/23/99	<50	<0.4	<0.3	<0.3	<0.8	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	06/08/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	03/22/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	03/20/03	<50	<0.5	<0.5	<0.5	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<0.5	<1	<50
MW-5	10/26/95	120,000	16,000	26,000	3,100	15,000	39,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	02/29/96	47,000	3,400	4,200	860	4,100	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	02/01/97	28,000	1,300	1,500	480	1,000	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	07/30/98	47,000	1,400	4,000	2,000	8,500	600	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	11/05/98	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	03/23/99	36,000	1,500	2,400	1,500	5,500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	06/08/99	34,500	722	1,980	1,720	7,170	765	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	09/28/99	49,100	540	2,500	1,730	8,040	255	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	12/21/99	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	03/23/00	10,700	217	300	332	1,480	160	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	06/22/00	23,000	537	533	1,040	2,590	131***	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	09/13/00	41,300	780	551	1,140	3,390	243***	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	12/08/00	21,700	600	328	527	1,450	285***	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	03/01/01	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	09/16/02	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	03/20/03	17,000	682	36.7	936	NA	<5	<0.5	<0.5	<1	<50	<1	620	35.2	<1	<50
MW-6	10/26/95	110,000	9,900	22,000	3,200	17,000	47,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	02/29/96	23,000	2,000	460	2,900	2,600	6,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	02/01/97	12,000	450	780	200	590	790	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	07/30/98	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	11/05/98	NS*	NS*	NS*	NS*	NS*	NS*	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	03/23/99	5,700	240	260	120	440	150	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-6	06/08/99	7,610	259	334	283	567	275	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	12/21/99	NS*	NS*	NS*	NS*	NS*	NS*	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	03/22/00	10,100	276	170	200	673	159	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	06/22/00	NS*	NS*	NS*	NS*	NS*	NS*	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	03/19/03	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*
MW-7	07/01/99	5,090	31.9	4.8	60	219	43.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/28/99	2,160	2.8	8.2	5.9	27.3	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	12/21/99	2,630	<2.5	<2.5	13.8	44.9	26.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	03/23/00	624	<0.5	<0.5	<0.5	1.61	3.87	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	06/22/00	435	<0.5	<0.5	0.875	1.28	4.87	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/13/00	327	<0.5	<0.5	0.602	1.56	3.77	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	12/08/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	03/01/01	569	<0.5	2.05	0.533	0.701	4.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	06/01/01	3,900	3.5	14	29	55	18	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/16/02	4,500	47	6.8	99	19	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	12/23/02	860	12	1.3	7.6	1.9	45	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	03/19/03	500	15.1	1.22	15.8	NA	18.8	<0.5	<0.5	<1	<50	<1	<2	<1	<1	<50
MW-8	06/24/99	<50	<0.5	<0.5	<0.5	<0.5	88.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	52	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	12/21/99	<50	<0.5	<0.5	<0.5	<0.5	47.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	03/21/00	<50	<0.5	<0.5	<0.5	<0.5	4.65	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	06/22/00	<50	<0.5	<0.5	<0.5	<0.5	5.56	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	14.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	12/07/00	<50	<0.5	<0.5	<0.5	<0.5	7.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	03/01/01	<50	<0.5	<0.5	<0.5	<0.5	2.93	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	06/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	09/16/02	<50	0.52	<0.5	<0.5	<0.5	55	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	12/23/02	<50	0.52	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	03/19/03	<50	<1	<1	<1	NA	8.81	<0.5	<0.5	<1	<50	<1	<2	<1	<1	<50
MW-9	06/24/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
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Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-9	12/21/99	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	03/21/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	09/16/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	12/23/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	03/20/03	<50	<0.5	<0.5	<0.5	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<0.5	<1	<50
MW-10	06/24/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	12/21/99	<50	<0.5	<0.5	<0.5	<0.5	46.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	03/21/00	52.7	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	06/21/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	12/07/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	03/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	06/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	09/16/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	12/23/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	03/19/03	<50	<1	<1	<1	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<1	<1	<50
MW-11	06/28/99	91	0.7	2.0	1.1	2.6	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	12/21/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	03/22/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	03/18/03	<50	<1	<1	<1	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<1	<1	<50
MW-12	06/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	12/21/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	03/22/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	06/21/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-12	12/07/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	03/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	06/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	09/16/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	12/24/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	03/18/03	<50	<1	<1	<1	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<1	<1	<50
MW-13	07/12/99	214	42.8	<0.5	4.5	<0.5	332	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	09/28/99	<100	5.8	<1	<1	<1	160	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	12/21/99	71	6.7	<0.5	1.4	<0.5	132	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	03/21/00	<50	2.32	<0.5	<0.5	<0.5	53.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	06/22/00	<50	7.83	<0.5	0.732	<0.5	38.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	09/13/00	<50	6.01	<0.5	<0.5	<0.5	77.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	12/07/00	<50	1.51	<0.5	<0.5	<0.5	25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	03/01/01	83.9	4.92	<0.5	<0.5	1.02	64.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	06/01/01	190	14	<0.5	4.9	0.91	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	09/16/02	150	7.0	<0.5	5.5	<0.5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	12/23/02	210	9.3	<0.5	5.1	<0.5	55	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	03/19/03	100	7.19	<1	<1	NA	34.8	<0.5	<0.5	<1	<50	<1	<1	<1	<1	<50
D-1	06/29/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-1	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-1	12/21/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-1	03/22/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-1	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-1	03/18/03	<50	<1	<1	<1	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<1	<1	<50
D-2	06/29/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	09/28/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	12/21/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	03/22/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	06/21/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
D-2	12/07/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	03/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	06/01/01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	09/16/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	12/24/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	03/18/03	<50	<1	<1	<1	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<1	<1	<50
(MS)MW-1	08/01/95	11,000	190	260	110	900	210	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	07/30/98	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	11/05/98	10,000	260	120	500	1,100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/23/99	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	06/08/99	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	12/21/99	661	9.7	3.5	21.7	31.1	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/23/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	06/21/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	09/13/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	12/07/00	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/01/01	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	06/01/01	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
(MS)MW-1	03/19/03	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
SimulProbe Samples																
MW-7-36'	06/16/99	1,740	194	18.6	103	<2.5	593	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7-41'	06/16/99	45,400	524	357	1,440	3,780	2,160	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7-46'	06/16/99	10,800	112	69.2	506	1,250	527	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7-51'	06/16/99	24,900	173	136	848	2,140	1,090	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7-61'	06/17/99	25,300	42.3	31.4	588	1,390	271	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8-41'	06/17/99	<50	<0.5	<0.5	0.979	<0.5	32.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8-46'	06/18/99	<50	<0.5	<0.5	<0.5	1.20	137	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8-51'	06/18/99	<50	<0.5	<0.5	0.514	0.611	137	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8-56'	06/18/99	<50	<0.5	<0.5	<0.5	<0.5	7.93	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hydropunch Samples																
G-1	08/11/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-1	10/11/95	380	61	1	<0.5	2	80	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-2	10/11/95	14	3	<0.5	<0.5	<0.5	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-3	10/11/95	92,000	11,000	18,000	2,200	11,000	18,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-4	10/11/95	8,000	46	24	8	28	150	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-01	08/11/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-01	09/13/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-02	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-03	08/11/95	<50	10	<0.5	<0.5	<0.5	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-04	08/14/95	<50	9.2	<0.5	<0.5	4.8	29	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-05	08/11/95	<50	1300	270	43	350	14000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-05	08/16/95	<50	340	<0.5	<0.5	80	4800	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-06	08/14/95	<50	7700	1100	120	800	67000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-07	08/11/95	<50	3200	820	740	1900	14000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-07	09/13/95	<50	2800	77	280	510	11000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-08	08/11/95	<50	3000	89	140	230	15000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-08	09/13/95	<50	2200	61	42	120	8000	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-09	08/14/95	<50	<0.5	<0.5	<0.5	0.8	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-09	08/16/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-10	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-11	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-4	03/08/95	<50	57	33	9.4	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	EDB (ug/l)	EDC (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)	p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
H-5	03/08/95	<50	22	24	8	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B97-1	09/08/97	<50	1.2	<0.50	<0.50	<0.50	60	<0.01	<0.50	NA	NA	NA	NA	NA	NA	NA
B97-2	09/09/97	51	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
B97-3	09/09/97	58	<0.50	<0.50	<0.50	<0.50	46	<0.01	<0.50	NA	NA	NA	NA	NA	NA	NA
B97-4	09/10/97	340	<0.50	0.68	<0.50	<0.50	470	NA	NA	NA	NA	NA	NA	NA	NA	NA
B97-5	09/10/97	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

ug/l = micrograms per liter
TPH-G = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary-butyl ether
MS = Mill Springs Park
NA= not analyzed
NS= not sampled
* = well inaccessible
** = free product hydrocarbon present
*** = analytical result from EPA method 8260B
ND = not detected above reporting limit, limit not available
< = less than method reporting limit
Some analytical results may not be included in this table, as the results were not available when the data was compiled