Conor Pacific EFW

Transmittal

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

From: Katrin Schliewen

Date: July 14, 2003

Proj. No.: BNC103

Copies	Description	Sent by:
2	Second 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* ☒ *FedEx* ☐ *Courier* ☐ *Other*
1	Colleen Winey, Alameda County Flood Control, District Zone 7	
1	RWQCB, San Francisco Bay Region LUFT	
(1)	SWRCB, UST Fund (sent to Mr. Angle for submittal to UST Fund)	

SECOND 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

July 2003

Project BNC 103

Conor Pacific

July 14, 2003
Project No. BNC103

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

Re: Second 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 second 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.

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

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

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

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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."

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 last four monitoring events, including the current one, product sheen continues to be observed in the purge water even though no product thickness can be measured. The absorbent sock continues to be replaced and 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-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 June 9, 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 3. Compared to last quarter, current site groundwater elevations are approximately 1 foot higher, while the wells furthest west of the site have groundwater elevations approximately 0.6 foot higher. The deep zone wells have groundwater elevations approximately 0.7 feet lower than last quarter. Groundwater flow is generally due west during this quarterly monitoring event and the hydraulic gradient is approximately 0.013 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 15 of the 16 monitoring wells on June 9 through 11, 2003 (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, D-1, D-2, and (MS)MW-1), following Conor Pacific's standard protocol. Well MW-6 was not sampled, because of an obstruction in the well casing.

An unpreserved groundwater sample was collected from well (MS)MW-1 for the sole purpose of examining the evidence of free product observed during purging. No free product was observed in the sample other than a faint surface sheen. Therefore, after further consideration, the sample was transferred to appropriate sample vials and sent to

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

the laboratory for analysis. The analytical results for the sample from well (MS)MW-1 analyzed during second quarter 2003 may not be representative of the groundwater from this well because of unusual handling of the sample prior to analysis.

All wells sampled, except for well MW-2, were purged using a one-use, disposable PVC bailer. Well MW-2 was purged using an electric submersible pump. 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-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.

Analytical Program

Sequoia Analytical of Petaluma, California, a state-certified laboratory, performed all groundwater analyses. At the request of ACEHS, all groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, and total xylenes (BTEX) by U.S. Environmental Protection Agency (EPA) Method 8015B, and for oxygenates (methyl tertiary-butyl ether [MTBE], 1,2-dibromoethane [EDB], 1,2-dichloroethane [EDC], di-isopropyl 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 4. 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 second 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-11, MW-12, D-1, and D-2.

Wells MW-2 and MW-5 continue to have the highest hydrocarbon concentrations. Downgradient of the site, monitoring wells MW-7, MW-8, and MW-13 show general

[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.

decreasing hydrocarbon concentrations, with MTBE concentrations ranging from 4.7 to 28 µg/l. The groundwater sample collected from well MW-10 resulted in the detection of a low concentration of MTBE (1.1 µg/L), and the furthest downgradient MTBE detection to date. MTBE was detected once before in a sample from well MW-10 collected on December 12, 1999 (46.5 µg/L).

SUMMARY

Second quarter 2003 groundwater monitoring results are consistent with previous monitoring results. The furthest downgradient detection of the hydrocarbon plume this quarter was a low concentration of MTBE detected in well MW-10. This is only the third hydrocarbon detection in well MW-10 since monitoring was begun in June 1999. The furthest downgradient detection of hydrocarbons generally has occurred in well MW-8.

At the request of ACEHS, 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] The additional subsurface investigations are scheduled to begin on July 28, 2003 with the installation of four multi-level groundwater monitoring wells. After the additional wells are installed, groundwater sample analytical results will be included in the quarterly groundwater monitoring reports.

Third quarter 2003 groundwater monitoring currently is scheduled for the week of August 11, 2003.

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

If you have any questions regarding this report, please call us at (650) 386-3828.

Sincerely,
Conor Pacific

Katrin Schliewen
Project Hydrogeologist

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 - Second Quarter 2003 Groundwater Elevations
Table 3 - Second Quarter 2003 Groundwater Analytical Results

Figures

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

Appendices

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

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
Second 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)
		June 9, 2003			
MW-1	484.07	30.66	453.41		
MW-2	483.86	30.41	453.45		
MW-3	484.24	29.51	454.73		
MW-4	485.04	30.21	454.83		
MW-5	481.97	30.48	451.49	NM**	NM**
MW-6	483.93	NM*	NM*		
MW-7	478.14	30.48	447.66		
MW-8	473.23	36.49	436.74		
MW-9	477.08	32.65	444.43		
MW-10	471.42	37.34	434.08		
MW-11	464.93	33.65	431.28		
MW-12	458.34	28.06	430.28		
MW-13	474.79	32.24	442.55		
D-1	464.70	36.20	428.50		
D-2	457.61	29.35	428.26		
(MS)MW-1	477.79	34.20	443.59	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
Second Quarter 2003 Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (total) (µg/L)	Methyl tert-butyl ether (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dichloroethane (µg/L)	Di-isopropyl ether (µg/L)	Ethanol (µg/L)	Ethyl tert-butyl ether (µg/L)	tert-Amyl methyl ether (µg/L)	tert-Butyl alcohol (µg/L)
MW-1	6/9/2003	6,700	52	32	110	460	4.7	<0.5	<0.5	<1	<100	<1	<1	<20
MW-2	6/10/2003	12,000	650	94	1,100	570	280	<50	<50	<100	<10,000	<100	<100	<2,000
MW-3	6/9/2003	870	79	5.3	13	10	180	<5	<5	<10	<1,000	<10	<10	<200
MW-4	6/9/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
MW-5	6/10/2003	23,000	770	<100	1,000	680	350	<100	<100	<200	<20,000	<200	<200	<4,000
MW-6	6/9/2003*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-7	6/11/2003	170	1.0	<1	1.8	<1	4.7	<1	<1	<2	<200	<2	<2	<40
MW-8	6/11/2003	<50	<0.5	<0.5	<0.5	<0.5	5.4	<0.5	<0.5	<1	<100	<1	<1	<20
MW-9	6/9/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
MW-10	6/9/2003	<50	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<1	<100	<1	<1	<20
MW-11	6/10/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
MW-12	6/10/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
MW-13	6/11/2003	77	4.0	<0.5	<0.5	<0.5	28	<0.5	<0.5	<1	<100	<1	<1	<20
D-1	6/10/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
D-2	6/10/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
(MS)MW-1	6/11/2003**	370	<1	<1	1.2	<1	<1	<1	<1	<2	<200	<2	<2	<40

Notes:

µg/L = micrograms per liter

TPH-G = total petroleum hydrocarbons as gasoline

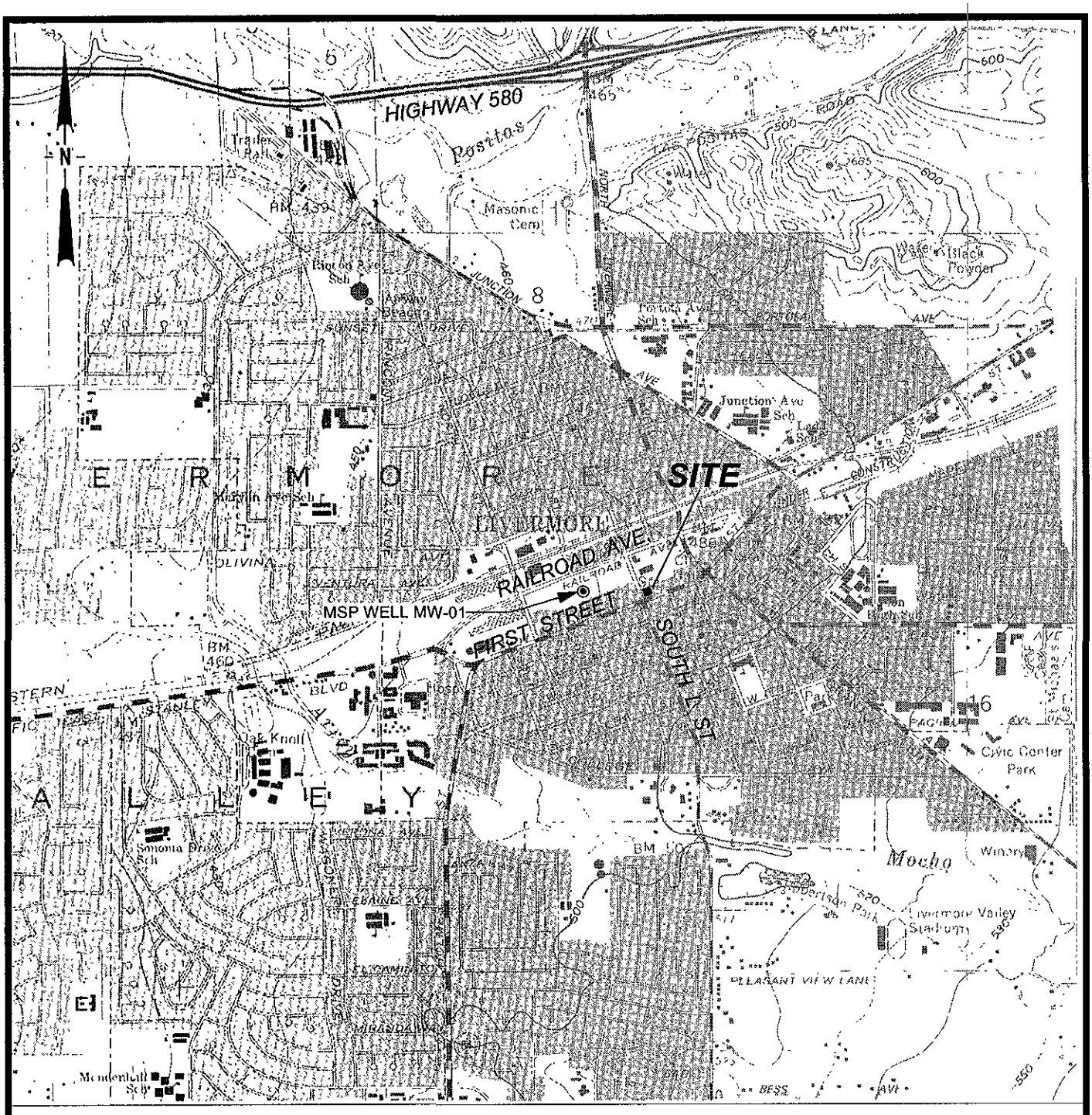
MS = Mill Springs Park Apartments

NS = not sampled

< = less than the laboratory reporting limit

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

** The analytical results for the sample collected from well (MS)MW-1 in June 2003 may not be representative due to unusual post-sample handling procedures.



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

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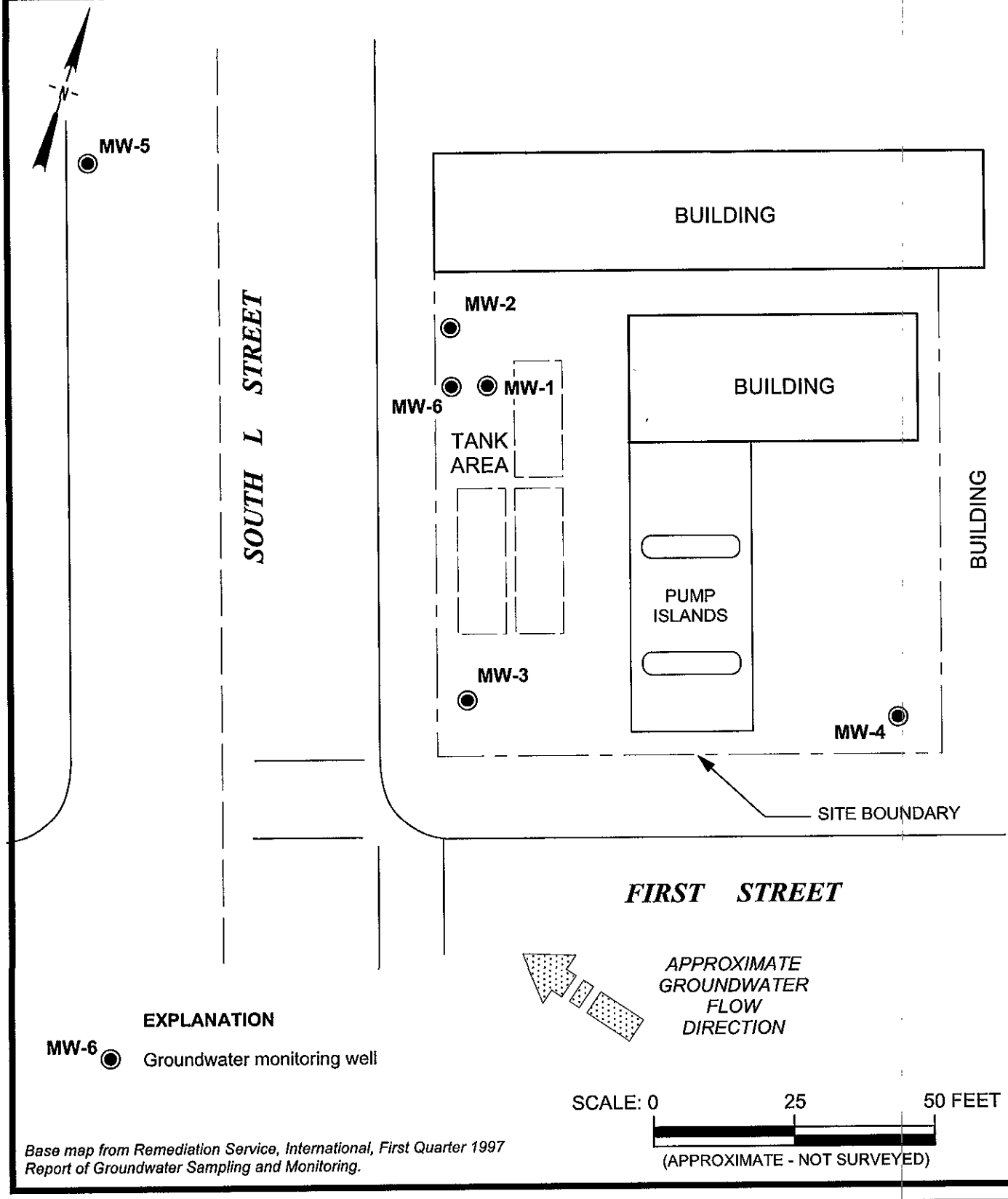
GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORINA

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

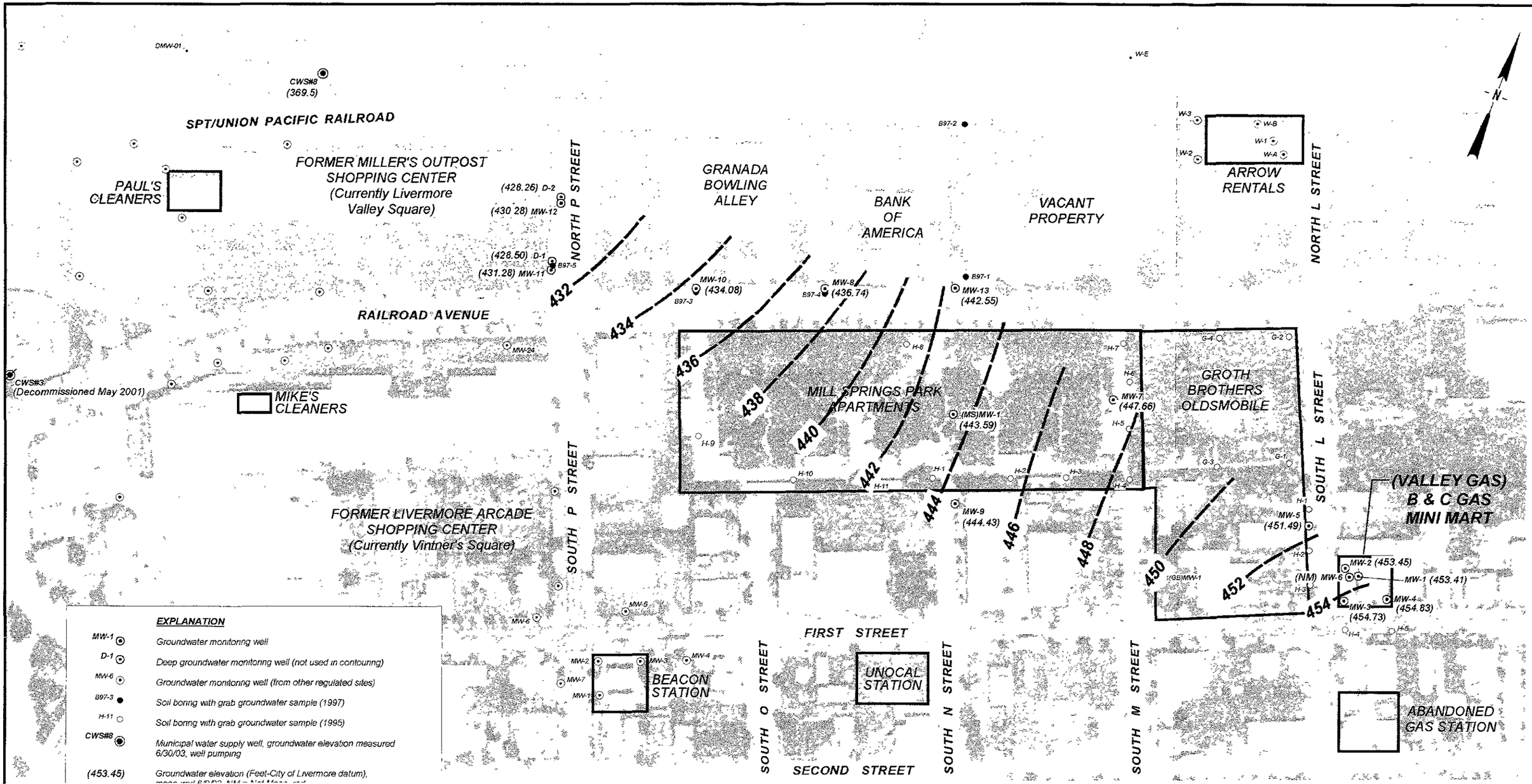
GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORINA

SITE PLAN

FIGURE
2

PROJECT NO.
BNC103

I:/BNC/104/FIGURES/SITE PLAN-WPIR.DSF 3/21/03

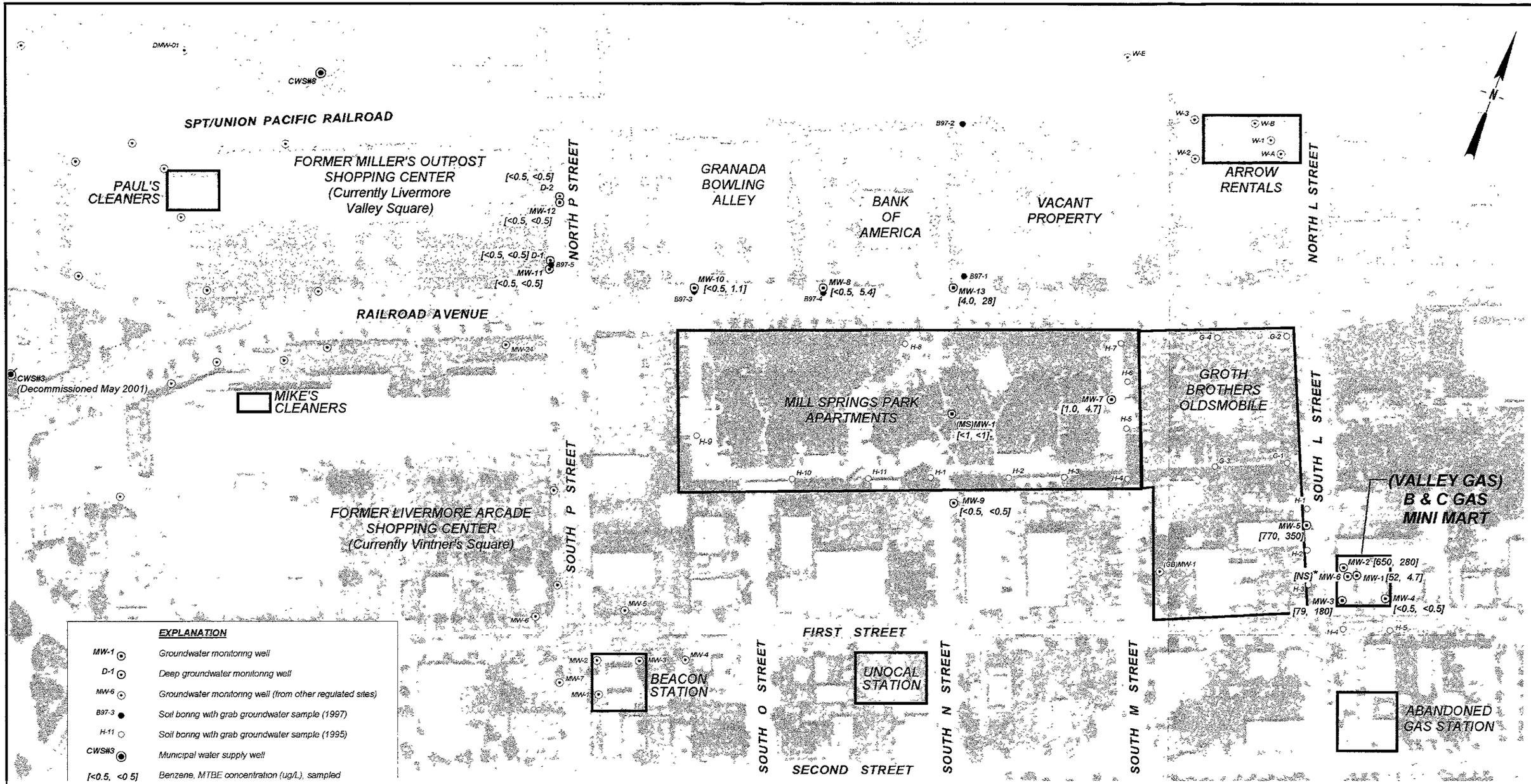


SCALE 0 200 400 FEET
APPROXIMATE

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE CALIFORNIA

WELL LOCATIONS AND GROUNDWATER CONTOURS (JUNE 2003)

FIG. 3



SCALE 0 200 400 FEET
(APPROXIMATE)

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE CALIFORNIA

GROUNDWATER CHEMISTRY (JUNE 2003)

FIGURE
4

PROJECT NO.
BNC103

APPENDIX A

Water Sample Field Data Sheets

WATER LEVEL DATA SHEET
Conor.Pacific

Project: B&C Gas Mini Mart
Project No.: BNC103
Date(s): 6/9/03
Name: C.Muir
Weather: SUNNY. SLIGHT BREEZE. Sounder #: SLOPE S/N: NA KECK S/N:

Well	Date	Time	DTEP (TOC)	DTW (TOC)	Total Depth	Meas By	Comments
MW-1	6/9/03	1141	—	30.66	75.0	CM	
MW-2		1136	—	30.41	56.0		
MW-3		1150	—	29.51	57.7		
MW-4		1155	—	30.21	60.1		
MW-5		1000	NM	30.48	39.6		KECK
MW-6		1133	NM	NM	NM		KECK. OBSTRUCTED AT 28.6'
MW-7		1107	—	30.48	49.3		
MW-8		1051	—	36.49	53.1		
MW-9		1008	—	32.65	44.1		
MW-10		1046	—	37.34	53.8		
MW-11		1015	—	33.65	48.7		
MW-12		1029	—	28.06	43.2		
MW-13		1056	—	32.24	54.3		
D-1		1022	—	36.20	124.0		
D-2		1033	—	29.35	111.1		
MS MW01	↓	1116	NM	34.20	61.1	↓	KECK

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-1
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B N 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
Depth to Water (ft): 30.66
Height of Water Column (ft): 44.34
Volume in Casing (gal): 7.6
Calculated Purge (volumes / gal.): 7.6
Actual Pre-Sampling Purge (gal): 8.0

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
1237	3.0	21.4	1010	7.09	LT. BROWN	LOW	MODERATE ODOR	LIGHT SHEEN
1250	6.0 CM	21.3	1030	7.10	↓	MODERATE	STRONG ODOR	↓
1255	8.0	21.1	1020	7.12	↓	↓	↓	↓

Purge Date: 6/9/03

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
1303	21.4	1020	7.24	2.03	LT. BROWN	133	

Sheen: NONE Odor: MODERATE ODOR Sample Date: 6/9/03

Field Measurement Devices: Horiba U-4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE,

CALIBRATION ON 6/9/03 AT 1216. DO: AUTO; PH: 7.01, 10.03; TEMP: 22°C; COND: 0, 2060; TURB: 0;

SIGNATURE: Chuck Muir DATE: 6/9/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-2
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B-N-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
Depth to Water (ft): 30.52
Height of Water Column (ft): 25.48
Volume in Casing (gal): 16.9
Calculated Purge (volumes / gal.): 16.9
Actual Pre-Sampling Purge (gal): 17.0

PURGE:

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 53' ES-60 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
1150	6.0	22.7	1030	7.03	T. BROWN	LOW		
1200	12.0	21.5	1050	7.04	↓	↓		
1207	17.0	21.5	1050	7.06	COLORLESS	TRACE		

Purge Date: 6/10/03

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X 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
1214	22.4	1060	7.01	1.49	LT. BROWN	20	BLACK PARTICULATES

Sheen: LIGHT - SHEEN Odor: MODERATE Sample Date: 6/10/03

Field Measurement Devices: Horiba U-4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Muir DATE: 6/10/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-3
PROJECT NO: BNC103
SAMPLED BY: C. Mein
CLIENT: B-N-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): 57.7
Volume in Casing (gal): 18.7
Depth to Water (ft): 29.51
Calculated Purge (volumes / gal.): 18.7
Height of Water Column (ft): 28.19
Actual Pre-Sampling Purge (gal): 19.0

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
1326	6.5	22.3	1010	7.00	LT. BROWN/ LT. RED	LOW	LIGHT ODOR	PARTICULATES
1337	13.0	~~22.4~~ 21.5 cm	~~1000~~ 1020 cm	7.06	↓	↓	↓	↓
1344	19.0	21.0	1020	7.10	LT. BROWN	MODERATE	NO ODOR	↓

Purge Date: 6/9/03

SAMPLE: 1.5"

Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 5.5'
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
1350	21.6	1000	7.20	2.07	LT. BROWN	1.28	PARTICULATES

Sheen: NONE Odor: SLIGHT Sample Date: 6/9/03

Field Measurement Devices: Horiba #4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Conor Mein DATE: 6/9/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-4
PROJECT NO: BNC103
SAMPLED BY: C. Mein
CLIENT: B-N-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): 60.1	Volume in Casing (gal): 19.8
Depth to Water (ft): 30.21	Calculated Purge (volumes / gal.): 19.8
Height of Water Column (ft): 29.89	Actual Pre-Sampling Purge (gal): 20.0

PURGE:

DAISY CHAINED 2x1.5" ~~3~~ 6' a

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
1425	7.0	22.2	1040	7.28	LT. BROWN	LOW	SLIGHT ODOR	
1432	14.0	20.8	1030	7.31	↓	MODERATE	↓	
1438	20.0	20.6	1030	7.32	↓	↓	↓	

Purge Date: 6/9/03

SAMPLE:

1.5"

Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 57'
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
1447	21.7	1030	7.23	4.40	LT. BROWN	107	

Sheen: NONE Odor: SLIGHT Sample Date: 6/9/03

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

REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Mein DATE: 6/9/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C Gas Mini Mart
SAMPLE ID: MW-5
PROJECT NO: 020103
SAMPLED BY: C. Mein
CLIENT: B-N-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): 39.6	Volume in Casing (gal): 6.1
Depth to Water (ft): 30.45	Calculated Purge (volumes / gal.): 6.1
Height of Water Column (ft): 9.15	Actual Pre-Sampling Purge (gal): 6.5

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
1029	2.5	20.9	1020	6.92	LT. BROWN/ LT. GREY	MODERATE	STRONG ODOR	LIGHT SHEEN
1034	5.0	20.9	1040	6.93	↓	↓	↓	↓
1037	6.5	20.8	1010	6.95	↓	↓	↓	↓

Purge Date: 6/10/03

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
1045	21.2	1020	7.08	2.25	LT. BROWN/ LT. GREY	151	

Sheen: VERY LIGHT Odor: STRONG ODOR Sample Date: 6/10/03

Field Measurement Devices: Horiba U-4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

CALIBRATION ON 6/10/03 AT 1012. DO: AUTO; PH: 7.02, 10.05; TEMP: 20°C; COND: 0,2060; TURB: 0;

SIGNATURE: Chuck Mein DATE: 6/10/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: BP C GAS MINI MART
SAMPLE ID: MW-6
PROJECT NO: BNC103
SAMPLED BY: C. Meen
CLIENT: BP 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): ____ Volume in Casing (gal): ____
Depth to Water (ft): ____ Calculated Purge (volumes / gal.): ____
Height of Water Column (ft): ____ Actual Pre-Sampling Purge (gal): ____

PURGE:
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____
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

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 28.6'. MW-6 NOT SAMPLED.

SIGNATURE: Chuck Meen DATE: 6/9/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-7
PROJECT NO: BNC103
SAMPLED BY: C. Mein
CLIENT: B-N-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): 49.3	Volume in Casing (gal): 3.2
Depth to Water (ft): 30.68	Calculated Purge (volumes / gal.): 3.2
Height of Water Column (ft): 18.62	Actual Pre-Sampling Purge (gal): 3.5

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
1202	cm 1.51.2	20.3	900	7.22	LT. BROWN	MODERATE	NONE	PARTICULATES
1205	2.4	20.2	900	7.26	↓	↓	SLIGHT ODOR	↓
1207	3.5	20.2	910	7.26	↓	↓	NONE	LIGHT PARTICULATES

Purge Date: 6/11/03

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	21.3	900	7.23	1.53	LT. BROWN / LT. GREY	436	

Sheen: NONE Odor: SLIGHT Sample Date: 6/11/03

Field Measurement Devices: Horiba U-44 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Mein DATE: 6/11/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-8
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B-N-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
Depth to Water (ft): 36.69
Height of Water Column (ft): 16.51
Volume in Casing (gal): 2.9
Calculated Purge (volumes / gal.): 2.9
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
1126	1.0	20.4	960	7.00	LT. BROWN	MODERATE		
1129 cm	2.0	20.2	980	6.99	↓	↓		
1133	3.0	20.3	980	6.99	↓	↓		

Purge Date: 6/11/03

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
1140	19.9	980	7.00	1.41	LT BROWN	322	

Sheen: NONE Odor: NONE Sample Date: 6/11/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Muir DATE: 6/11/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-9
PROJECT NO: BNC103
SAMPLED BY: C. Main
CLIENT: B-N-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): 44.1
Volume in Casing (gal): 1.95
Depth to Water (ft): 32.65
Calculated Purge (volumes / gal.): 1.95
Height of Water Column (ft): 11.45
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
1527	CM 2.0	22.1	930	7.20	LT BROWN	MODERATE		
1530	CM 2.0	20.9	910	7.20	↓	HIGH		
~~1534~~	~~3.0 gal~~				↓	↓		
1534	2.5	20.6	920	7.18	↓	↓		

Purge Date: 6/9/03

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
1540	21.5	920	7.19	3.16	LT. BROWN	902	

Sheen: NONE Odor: NONE Sample Date: 6/9/03

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

REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Main DATE: 6/9/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART　　SAMPLE ID: MW-10

PROJECT NO: BNC03　　SAMPLED BY: C. Muir

CLIENT: B-N-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):	2.8
Depth to Water (ft):	37.34	Calculated Purge (volumes / gal.):	2.8
Height of Water Column (ft):	16.46	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
1600	1.0	21.4	950	7.06	LT. BROWN	HIGH		
1602	2.0	20.2	910	7.08	↓	↓		
1605	3.0	20.2	950	7.06	↓	↓		

Purge Date: 6/9/03

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)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1610	21.9	930	7.08	1.52	LT. BROWN	>999	

Sheen: NONE　Odor: NONE　Sample Date: 6/9/03

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

REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Muir　　DATE: 6/9/03

M:\FORMS\SAMPLING\Wtrsmpl-2000.DOC

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-11
PROJECT NO: BNC103
SAMPLED BY: Cimin
CLIENT: B-N-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): 48.7	Volume in Casing (gal): 2.6
Depth to Water (ft): 33.72	Calculated Purge (volumes / gal.): 2.6
Height of Water Column (ft): 14.98	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
1547	1.0	21.1	930	7.16	BROWN	HIGH		
1590	2.0	21.1	950	7.13	↓	↓		
1552	3.0	21.1	950	7.14	↓	↓		

Purge Date: 6/10/03

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
1558	21.7	960	7.13	3.34	BROWN	799	

Sheen: NONE Odor: NONE Sample Date: 6/10/03

Field Measurement Devices: Horiba U4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: [signature] DATE: 6/10/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-12
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B-N-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): 43.2
Depth to Water (ft): 28.17
Height of Water Column (ft): 15.03
Volume in Casing (gal): 2.6
Calculated Purge (volumes / gal.): 2.6
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
1429	1.0	21.0	970	7.10	LT. BROWN	MODERATE		
1432	2.0	20.7	970	7.07	↓	HIGH		
1435	3.0	20.6	980	7.05	↓	↓		

Purge Date: 6/10/03

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
1440	21.7	970	7.09	4.93	LT. BROWN	478	

Sheen: NONE Odor: NONE Sample Date: 6/10/03

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Muir DATE: 6/10/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-13
PROJECT NO: 020103
SAMPLED BY: C. Murin
CLIENT: B-N-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): 3.8
Depth to Water (ft): 32.44	Calculated Purge (volumes / gal.): 3.8
Height of Water Column (ft): 21.86	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
1054	1.5	19.7	900	6.96	LT. BROWN / LT. RED	MODERATE		PARTICULATES
1057	3.0	19.8	920	7.08	↓	↓		↓
1100	4.0	19.7	950	7.10	LT. BROWN	↓		↓

Purge Date: 6/11/03

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
1106	20.0	920.	7.22	1.70	LT. BROWN	82	PARTICULATES

Sheen: NONE Odor: SLIGHT Sample Date: 6/11/03

Field Measurement Devices: Horiba HY Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

CALIBRATION ON 6/11/03 AT 1045.00: AUTO; PH: 7.03, 10.07; TEMP. 19°C; COND: 9,2060; TURB: 0.0

SIGNATURE: C. Murin DATE: 6/11/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: D-1
PROJECT NO: BNC103
SAMPLED BY: C. Murin
CLIENT: B-N-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
Depth to Water (ft): 36.31
Height of Water Column (ft): 87.69
Volume in Casing (gal): ~~15.0~~ 14.91
Calculated Purge (volumes / gal.): ~~ONE 15.0~~ 14.91
Actual Pre-Sampling Purge (gal): 15.0

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
1505	5.0	21.5	960	7.50	LT. BROWN	LOW		
1512	10.0	20.5	980	7.44	↓	TRACE		
1523	15.0	20.1	980	7.45	↓	MODERATE		

Purge Date: 6/10/03

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 121'
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
1531	20.3	970	7.43	4.97	BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 6/10/03

Field Measurement Devices: Horiba HY Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Murin DATE: 6/10/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: D-2
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B-N-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): 13.9
Depth to Water (ft): 29.43 ~~29.35~~ cm	Calculated Purge (volumes / gal.): 13.9
Height of Water Column (ft): 81.67	Actual Pre-Sampling Purge (gal): 14.0

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
1320	5.0	22.4	980	7.53	LT. BROWN	LOW		
1333	10.0	20.9	1000	7.44	↓	MODERATE		
1340	14.0	20.2	960	7.43	↓	↓		

Purge Date: 6/10/03

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
1348	21.2	990	7.43	4.54	LT. BROWN	730	

Sheen: NONE Odor: NONE Sample Date: 6/10/03

Field Measurement Devices: Horiba U-44 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE.

SIGNATURE: Chuck Muir DATE: 6/10/03

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MSMW01
PROJECT NO: BNC103
SAMPLED BY: C. Mein
CLIENT: B-N-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): 61.1
Volume in Casing (gal): 4.6
Depth to Water (ft): 34.61
Calculated Purge (volumes / gal.): 4.6
Height of Water Column (ft): 26.49
Actual Pre-Sampling Purge (gal): 1.0

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
1247	1.0 cm							PRODUCT PRESENT
	4.0 cm							
	5.0 cm							

Purge Date: 6/11/03

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 H4 Omega ____ QuickCheck ____ D.O. Test Kit ____

REMARKS: 1 CASING VOLUME PURGE PURGED 1.0 gal. PRODUCT PRESENT IN GROUNDWATER. SMALL 1-2mm DIA. BROWN GLOBULES PRESENT IN GROUNDWATER. SHEEN OBSERVED AS WELL. STRONG ODOR AS WELL. ~~NO SAMPLE COLLECTED~~ COLLECTED A GRAB SAMPLE OF PURGE WATER. POURED ONE 500ml NON-PRESERVE PE BOTTLE. TRANSFERRED SAMPLE TO 40ml VOA HCl ON 6/12/03. SAMPLES STORED AT 4°C FROM 6/11/03 TO 6/12/03. ~~AT 1525~~

SIGNATURE: Chuck Mein DATE: 6/11/03

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

1 July, 2003

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

RE: B&C Gas Mini Mart
Work Order: P306230

Enclosed are the results of analyses for samples received by the laboratory on 06/13/03 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Peggy Penner For Mary Janney
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	P306230-01	Water	06/09/03 13:03	06/13/03 13:00
MW-2	P306230-02	Water	06/10/03 12:14	06/13/03 13:00
MW-3	P306230-03	Water	06/09/03 13:50	06/13/03 13:00
MW-4	P306230-04	Water	06/09/03 14:47	06/13/03 13:00
MW-5	P306230-05	Water	06/10/03 10:45	06/13/03 13:00
MW-7	P306230-06	Water	06/11/03 12:15	06/13/03 13:00
MW-8	P306230-07	Water	06/11/03 11:40	06/13/03 13:00
MW-9	P306230-08	Water	06/09/03 15:40	06/13/03 13:00
MW-10	P306230-09	Water	06/09/03 16:10	06/13/03 13:00
MW-11	P306230-10	Water	06/10/03 15:58	06/13/03 13:00
MW-12	P306230-11	Water	06/10/03 14:40	06/13/03 13:00
MW-13	P306230-12	Water	06/11/03 11:06	06/13/03 13:00
D-1	P306230-13	Water	06/10/03 15:31	06/13/03 13:00
D-2	P306230-14	Water	06/10/03 13:48	06/13/03 13:00
MSMW01	P306230-15	Water	06/11/03 12:47	06/13/03 13:00

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Total Petroleum Hydrocarbons as Gasoline by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P306230-01) Water Sampled: 06/09/03 13:03 Received: 06/13/03 13:00									
Gasoline Range Organics	**6700**	250	ug/l	5	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
MW-2 (P306230-02) Water Sampled: 06/10/03 12:14 Received: 06/13/03 13:00									
Gasoline Range Organics	**12000**	250	ug/l	5	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
MW-3 (P306230-03) Water Sampled: 06/09/03 13:50 Received: 06/13/03 13:00									
Gasoline Range Organics	**870**	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
MW-4 (P306230-04) Water Sampled: 06/09/03 14:47 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
MW-5 (P306230-05) Water Sampled: 06/10/03 10:45 Received: 06/13/03 13:00									
Gasoline Range Organics	**23000**	1000	ug/l	20	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
MW-7 (P306230-06) Water Sampled: 06/11/03 12:15 Received: 06/13/03 13:00									
Gasoline Range Organics	**170**	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*100 %*	*65-135*		"	"	"	"	
MW-8 (P306230-07) Water Sampled: 06/11/03 11:40 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*100 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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www.sequoialabs.com

Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Total Petroleum Hydrocarbons as Gasoline by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (P306230-08) Water Sampled: 06/09/03 15:40 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	*3060409*	*06/18/03*	*06/18/03*	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
MW-10 (P306230-09) Water Sampled: 06/09/03 16:10 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
MW-11 (P306230-10) Water Sampled: 06/10/03 15:58 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
MW-12 (P306230-11) Water Sampled: 06/10/03 14:40 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
MW-13 (P306230-12) Water Sampled: 06/11/03 11:06 Received: 06/13/03 13:00									
Gasoline Range Organics	77	50	ug/l	1	3060456	06/19/03	06/19/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
D-1 (P306230-13) Water Sampled: 06/10/03 15:31 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
D-2 (P306230-14) Water Sampled: 06/10/03 13:48 Received: 06/13/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Total Petroleum Hydrocarbons as Gasoline by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSMW01 (P306230-15) Water	**Sampled: 06/11/03 12:47**	**Received: 06/13/03 13:00**							
Gasoline Range Organics	**370**	50	ug/l	1	3060409	06/18/03	06/18/03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P306230-01) Water Sampled: 06/09/03 13:03 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060578	06/23/03	06/23/03	EPA 8260B	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.7**	0.50	"	"	"	"	"	"	
Toluene	**20**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*122 %*		*84-119*	"	"	"	"	*S-LIM*
Surrogate: 4-Bromofluorobenzene		*112 %*		*86-119*	"	"	"	"	
MW-1 (P306230-01RE1) Water Sampled: 06/09/03 13:03 Received: 06/13/03 13:00									
Benzene	**52**	5.0	ug/l	10	3060536	06/21/03	06/21/03	EPA 8260B	
Ethylbenzene	**110**	5.0	"	"	"	"	"	"	
Toluene	**32**	5.0	"	"	"	"	"	"	
Xylenes (total)	**460**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*96 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*86-119*	"	"	"	"	
MW-2 (P306230-02) Water Sampled: 06/10/03 12:14 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	100	ug/l	100	3060587	06/24/03	06/24/03	EPA 8260B	
Benzene	**650**	50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethylbenzene	**1100**	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**280**	50	"	"	"	"	"	"	
Toluene	**94**	50	"	"	"	"	"	"	
Xylenes (total)	**570**	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*		*74-135*	"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (P306230-02) Water Sampled: 06/10/03 12:14 Received: 06/13/03 13:00									
Surrogate: Toluene-d8		*101 %*		*84-119*	*3060587*	*06/24/03*	*06/24/03*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*106 %*		*86-119*	"	"	"	"	
MW-3 (P306230-03) Water Sampled: 06/09/03 13:50 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	10	ug/l	10	3060578	06/23/03	06/23/03	EPA 8260B	
Benzene	**79**	5.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethylbenzene	**13**	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**180**	5.0	"	"	"	"	"	"	
Toluene	**5.3**	5.0	"	"	"	"	"	"	
Xylenes (total)	**10**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*		*86-119*	"	"	"	"	
MW-4 (P306230-04) Water Sampled: 06/09/03 14:47 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060578	06/23/03	06/23/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*91 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*		*86-119*	"	"	"	"	*S-LIM*

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (P306230-04RE1) Water Sampled: 06/09/03 14:47 Received: 06/13/03 13:00									
Ethylbenzene	ND	0.50	ug/l	1	3060536	06/21/03	06/21/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*86-119*		"	"	"	"	
MW-5 (P306230-05) Water Sampled: 06/10/03 10:45 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	200	ug/l	200	3060587	06/24/03	06/24/03	EPA 8260B	
Benzene	**770**	100	"	"	"	"	"	"	
Tert-butyl alcohol	ND	4000	"	"	"	"	"	"	
Di-isopropyl ether	ND	200	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethanol	ND	20000	"	"	"	"	"	"	
Ethylbenzene	**1000**	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**350**	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
Xylenes (total)	**680**	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*86-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (P306230-06) Water Sampled: 06/11/03 12:15 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	2.0	ug/l	2	3060632	06/24/03	06/25/03	EPA 8260B	
Benzene	**1.0**	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethylbenzene	**1.8**	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.7**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*86-119*		"	"	"	"	
MW-8 (P306230-07) Water Sampled: 06/11/03 11:40 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060632	06/24/03	06/25/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.4**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*86-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (P306230-08) Water Sampled: 06/09/03 15:40 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060578	06/23/03	06/23/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83 %*	*86-119*		"	"	"	"	*S-LIM*
MW-9 (P306230-08RE1) Water Sampled: 06/09/03 15:40 Received: 06/13/03 13:00									
Ethylbenzene	ND	0.50	ug/l	1	3060536	06/21/03	06/21/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*86-119*		"	"	"	"	
MW-10 (P306230-09) Water Sampled: 06/09/03 16:10 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060578	06/23/03	06/23/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	*1.1*	*0.50*	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*89 %*	*84-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (P306230-09) Water Sampled: 06/09/03 16:10 Received: 06/13/03 13:00									
Surrogate: 4-Bromofluorobenzene		*84 %*	*86-119*		*3060578*	*06/23/03*	*06/23/03*	*EPA 8260B*	*S-LIM*
MW-10 (P306230-09RE1) Water Sampled: 06/09/03 16:10 Received: 06/13/03 13:00									
Ethylbenzene	ND	0.50	ug/l	1	3060536	06/21/03	06/21/03	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*86-119*		"	"	"	"	
MW-11 (P306230-10) Water Sampled: 06/10/03 15:58 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060587	06/24/03	06/24/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*86-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12 (P306230-11) Water Sampled: 06/10/03 14:40 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060587	06/24/03	06/24/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*86-119*		"	"	"	"	
MW-13 (P306230-12) Water Sampled: 06/11/03 11:06 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060587	06/24/03	06/24/03	EPA 8260B	
Benzene	**4.0**	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**28**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*86-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-1 (P306230-13) Water Sampled: 06/10/03 15:31 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060632	06/24/03	06/24/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*86-119*		"	"	"	"	
D-2 (P306230-14) Water Sampled: 06/10/03 13:48 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3060587	06/24/03	06/24/03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*86-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSMW01 (P306230-15) Water Sampled: 06/11/03 12:47 Received: 06/13/03 13:00									
Tert-amyl methyl ether	ND	2.0	ug/l	2	3060632	06/24/03	06/25/03	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethylbenzene	**1.2**	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*86-119*		"	"	"	"	

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

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 3060409 - EPA 5030, waters										
Blank (3060409-BLK1)				Prepared & Analyzed: 06/18/03						
Gasoline Range Organics	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*314*		"	*300*		*105*	*65-135*			
Laboratory Control Sample (3060409-BS1)				Prepared & Analyzed: 06/18/03						
Gasoline Range Organics	2350	50	ug/l	2750		85	65-135			
Surrogate: 4-Bromofluorobenzene	*328*		"	*300*		*109*	*65-135*			
Matrix Spike (3060409-MS1)	**Source: P306230-15**			Prepared & Analyzed: 06/18/03						
Gasoline Range Organics	2630	50	ug/l	2750	370	82	65-135			
Surrogate: 4-Bromofluorobenzene	*326*		"	*300*		*109*	*65-135*			
Matrix Spike Dup (3060409-MSD1)	**Source: P306230-15**			Prepared & Analyzed: 06/18/03						
Gasoline Range Organics	2550	50	ug/l	2750	370	79	65-135	3	20	
Surrogate: 4-Bromofluorobenzene	*320*		"	*300*		*107*	*65-135*			
Batch 3060456 - EPA 5030, waters										
Blank (3060456-BLK1)				Prepared & Analyzed: 06/19/03						
Gasoline Range Organics	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*306*		"	*300*		*102*	*65-135*			
Laboratory Control Sample (3060456-BS1)				Prepared & Analyzed: 06/19/03						
Gasoline Range Organics	2320	50	ug/l	2750		84	65-135			
Surrogate: 4-Bromofluorobenzene	*326*		"	*300*		*109*	*65-135*			
Matrix Spike (3060456-MS1)	**Source: P306213-01**			Prepared & Analyzed: 06/19/03						
Gasoline Range Organics	2330	50	ug/l	2750	18	84	65-135			
Surrogate: 4-Bromofluorobenzene	*318*		"	*300*		*106*	*65-135*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

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 3060456 - EPA 5030, waters										
Matrix Spike Dup (3060456-MSD1)	**Source: P306213-01**			Prepared & Analyzed: 06/19/03						
Gasoline Range Organics	2290	50	ug/l	2750	18	83	65-135	2	20	
Surrogate: 4-Bromofluorobenzene	*316*		"	*300*		*105*	*65-135*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060536 - EPA 5030 waters										
Blank (3060536-BLK1)				Prepared & Analyzed: 06/21/03						
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.42*		"	*5.00*		*88*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*3.93*		"	*5.00*		*79*	*74-135*			
Surrogate: Toluene-d8	*4.62*		"	*5.00*		*92*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.08*		"	*5.00*		*102*	*86-119*			
Laboratory Control Sample (3060536-BS1)				Prepared & Analyzed: 06/21/03						
Benzene	1.00	0.50	ug/l	1.00		100	81-118			
Toluene	1.10	0.50	"	1.00		110	84-119			
Surrogate: Dibromofluoromethane	*4.55*		"	*5.00*		*91*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.02*		"	*5.00*		*80*	*74-135*			
Surrogate: Toluene-d8	*4.89*		"	*5.00*		*98*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.31*		"	*5.00*		*106*	*86-119*			
Batch 3060578 - EPA 5030 waters										
Blank (3060578-BLK1)				Prepared & Analyzed: 06/23/03						
Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.12*		"	*4.50*		*92*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.38*		"	*4.50*		*97*	*74-135*			
Surrogate: Toluene-d8	*5.30*		"	*4.50*		*118*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*3.86*		"	*4.50*		*86*	*86-119*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060578 - EPA 5030 waters										
Laboratory Control Sample (3060578-BS1)				Prepared & Analyzed: 06/23/03						
Tert-amyl methyl ether	4.98	1.0	ug/l	5.00		100	70-116			
Benzene	5.36	0.50	"	5.00		107	81-118			
Tert-butyl alcohol	82.2	20	"	100		82	62-142			
Di-isopropyl ether	4.72	1.0	"	5.00		94	71-121			
1,2-Dibromoethane (EDB)	5.48	0.50	"	5.00		110	92-117			
1,2-Dichloroethane	5.04	0.50	"	5.00		101	79-126			
Ethyl tert-butyl ether	4.68	1.0	"	5.00		94	71-110			
Methyl tert-butyl ether	4.67	0.50	"	5.00		93	77-123			
Toluene	4.82	0.50	"	5.00		96	84-119			
Surrogate: Dibromofluoromethane	*4.33*		"	*4.50*		*96*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.47*		"	*4.50*		*99*	*74-135*			
Surrogate: Toluene-d8	*4.65*		"	*4.50*		*103*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.88*		"	*4.50*		*108*	*86-119*			
Laboratory Control Sample Dup (3060578-BSD1)				Prepared & Analyzed: 06/23/03						
Tert-amyl methyl ether	5.17	1.0	ug/l	5.00		103	70-116	4	20	
Benzene	5.51	0.50	"	5.00		110	81-118	3	20	
Tert-butyl alcohol	93.6	20	"	100		94	62-142	13	20	
Di-isopropyl ether	4.83	1.0	"	5.00		97	71-121	2	20	
1,2-Dibromoethane (EDB)	5.75	0.50	"	5.00		115	92-117	5	20	
1,2-Dichloroethane	5.40	0.50	"	5.00		108	79-126	7	20	
Ethyl tert-butyl ether	4.83	1.0	"	5.00		97	71-110	3	20	
Methyl tert-butyl ether	4.86	0.50	"	5.00		97	77-123	4	20	
Toluene	4.98	0.50	"	5.00		100	84-119	3	20	
Surrogate: Dibromofluoromethane	*4.45*		"	*4.50*		*99*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.40*		"	*4.50*		*98*	*74-135*			
Surrogate: Toluene-d8	*4.76*		"	*4.50*		*106*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.99*		"	*4.50*		*111*	*86-119*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060587 - EPA 5030 waters										
Blank (3060587-BLK1)				Prepared & Analyzed: 06/24/03						
Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*5.08*		"	*5.00*		*102*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.78*		"	*5.00*		*96*	*74-135*			
Surrogate: Toluene-d8	*4.91*		"	*5.00*		*98*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.48*		"	*5.00*		*110*	*86-119*			
Laboratory Control Sample (3060587-BS1)				Prepared & Analyzed: 06/24/03						
Tert-amyl methyl ether	4.58	1.0	ug/l	5.00		92	70-116			
Benzene	4.75	0.50	"	5.00		95	81-118			
Tert-butyl alcohol	95.4	20	"	100		95	62-142			
Di-isopropyl ether	4.18	1.0	"	5.00		84	71-121			
1,2-Dibromoethane (EDB)	5.36	0.50	"	5.00		107	92-117			
1,2-Dichloroethane	4.60	0.50	"	5.00		92	79-126			
Ethyl tert-butyl ether	4.05	1.0	"	5.00		81	71-110			
Methyl tert-butyl ether	4.21	0.50	"	5.00		84	77-123			
Toluene	5.31	0.50	"	5.00		106	84-119			
Surrogate: Dibromofluoromethane	*4.83*		"	*5.00*		*97*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.26*		"	*5.00*		*85*	*74-135*			
Surrogate: Toluene-d8	*5.02*		"	*5.00*		*100*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.35*		"	*5.00*		*107*	*86-119*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060587 - EPA 5030 waters										
Matrix Spike (3060587-MS1)	**Source: P306256-01**			Prepared & Analyzed: 06/24/03						
Tert-amyl methyl ether	4.61	1.0	ug/l	5.00	ND	92	70-116			
Benzene	4.59	0.50	"	5.00	0.063	91	81-118			
Tert-butyl alcohol	98.2	20	"	100	ND	98	62-142			
Di-isopropyl ether	4.11	1.0	"	5.00	ND	82	71-121			
1,2-Dibromoethane (EDB)	5.33	0.50	"	5.00	ND	107	92-117			
1,2-Dichloroethane	4.75	0.50	"	5.00	ND	95	79-126			
Ethyl tert-butyl ether	4.08	1.0	"	5.00	ND	82	71-110			
Methyl tert-butyl ether	4.25	0.50	"	5.00	ND	85	77-123			
Toluene	5.08	0.50	"	5.00	ND	102	84-119			
Surrogate: Dibromofluoromethane	*4.53*		"	*5.00*		*91*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.28*		"	*5.00*		*86*	*74-135*			
Surrogate: Toluene-d8	*4.63*		"	*5.00*		*93*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.08*		"	*5.00*		*102*	*86-119*			
Matrix Spike Dup (3060587-MSD1)	**Source: P306256-01**			Prepared & Analyzed: 06/24/03						
Tert-amyl methyl ether	4.71	1.0	ug/l	5.00	ND	94	70-116	2	20	
Benzene	4.62	0.50	"	5.00	0.063	91	81-118	0.7	20	
Tert-butyl alcohol	93.6	20	"	100	ND	94	62-142	5	20	
Di-isopropyl ether	4.25	1.0	"	5.00	ND	85	71-121	3	20	
1,2-Dibromoethane (EDB)	5.37	0.50	"	5.00	ND	107	92-117	0.7	20	
1,2-Dichloroethane	4.76	0.50	"	5.00	ND	95	79-126	0.2	20	
Ethyl tert-butyl ether	4.14	1.0	"	5.00	ND	83	71-110	1	20	
Methyl tert-butyl ether	4.56	0.50	"	5.00	ND	91	77-123	7	20	
Toluene	5.13	0.50	"	5 00	ND	103	84-119	1	20	
Surrogate: Dibromofluoromethane	*4.72*		"	*5.00*		*94*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.44*		"	*5.00*		*89*	*74-135*			
Surrogate: Toluene-d8	*4.82*		"	*5.00*		*96*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.23*		"	*5.00*		*105*	*86-119*			

Sequoia Analytical

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060632 - EPA 5030 waters										
Blank (3060632-BLK1)				Prepared & Analyzed: 06/24/03						
Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.83*		"	*5.00*		*97*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.31*		"	*5.00*		*86*	*74-135*			
Surrogate: Toluene-d8	*4.93*		"	*5.00*		*99*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.39*		"	*5.00*		*108*	*86-119*			
Blank (3060632-BLK2)				Prepared & Analyzed: 06/25/03						
Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.68*		"	*5.00*		*94*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.30*		"	*5.00*		*86*	*74-135*			
Surrogate: Toluene-d8	*4.79*		"	*5.00*		*96*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.86*		"	*5.00*		*117*	*86-119*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060632 - EPA 5030 waters										
Laboratory Control Sample (3060632-BS1)				Prepared & Analyzed: 06/24/03						
Tert-amyl methyl ether	4.75	1.0	ug/l	5.00		95	70-116			
Benzene	4.74	0.50	"	5.00		95	81-118			
Tert-butyl alcohol	89.4	20	"	100		89	62-142			
Di-isopropyl ether	4.36	1.0	"	5.00		87	71-121			
1,2-Dibromoethane (EDB)	5.42	0.50	"	5.00		108	92-117			
1,2-Dichloroethane	4.75	0.50	"	5.00		95	79-126			
Ethyl tert-butyl ether	4.23	1.0	"	5.00		85	71-110			
Methyl tert-butyl ether	4.42	0.50	"	5.00		88	77-123			
Toluene	5.04	0.50	"	5.00		101	84-119			
Surrogate: Dibromofluoromethane	*4.90*		"	*5.00*		*98*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.37*		"	*5.00*		*87*	*74-135*			
Surrogate: Toluene-d8	*4.82*		"	*5.00*		*96*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.30*		"	*5.00*		*106*	*86-119*			
Laboratory Control Sample (3060632-BS2)				Prepared & Analyzed: 06/25/03						
Tert-amyl methyl ether	4.68	1.0	ug/l	5.00		94	70-116			
Benzene	4.52	0.50	"	5.00		90	81-118			
Tert-butyl alcohol	85.5	20	"	100		86	62-142			
Di-isopropyl ether	4.02	1.0	"	5.00		80	71-121			
1,2-Dibromoethane (EDB)	5.40	0.50	"	5.00		108	92-117			
1,2-Dichloroethane	4.81	0.50	"	5.00		96	79-126			
Ethyl tert-butyl ether	4.12	1.0	"	5.00		82	71-110			
Methyl tert-butyl ether	4.41	0.50	"	5.00		88	77-123			
Toluene	5.11	0.50	"	5.00		102	84-119			
Surrogate: Dibromofluoromethane	*4.86*		"	*5.00*		*97*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.55*		"	*5.00*		*91*	*74-135*			
Surrogate: Toluene-d8	*4.97*		"	*5.00*		*99*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.36*		"	*5.00*		*107*	*86-119*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060632 - EPA 5030 waters										
Matrix Spike (3060632-MS1)	**Source: P306230-13**		Prepared & Analyzed: 06/25/03							**HT-04**
Tert-amyl methyl ether	4.97	1.0	ug/l	5.00	ND	99	70-116			
Benzene	4.66	0.50	"	5.00	0.078	92	81-118			
Tert-butyl alcohol	97.2	20	"	100	8.0	89	62-142			
Di-isopropyl ether	4.23	1.0	"	5.00	ND	85	71-121			
1,2-Dibromoethane (EDB)	5.64	0.50	"	5.00	ND	113	92-117			
1,2-Dichloroethane	5.20	0.50	"	5.00	ND	104	79-126			
Ethyl tert-butyl ether	4.22	1.0	"	5.00	ND	84	71-110			
Methyl tert-butyl ether	4.72	0.50	"	5.00	ND	94	77-123			
Toluene	5.37	0.50	"	5.00	0.081	106	84-119			
Surrogate: Dibromofluoromethane	*5.24*		"	*5.00*		*105*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.79*		"	*5.00*		*96*	*74-135*			
Surrogate: Toluene-d8	*4.99*		"	*5.00*		*100*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.30*		"	*5.00*		*106*	*86-119*			
Matrix Spike Dup (3060632-MSD1)	**Source: P306230-13**		Prepared & Analyzed: 06/25/03							**HT-04**
Tert-amyl methyl ether	4.90	1.0	ug/l	5.00	ND	98	70-116	1	20	
Benzene	4.77	0.50	"	5.00	0.078	94	81-118	2	20	
Tert-butyl alcohol	89.5	20	"	100	8.0	82	62-142	8	20	
Di-isopropyl ether	4.05	1.0	"	5.00	ND	81	71-121	4	20	
1,2-Dibromoethane (EDB)	5.51	0.50	"	5.00	ND	110	92-117	2	20	
1,2-Dichloroethane	4.95	0.50	"	5.00	ND	99	79-126	5	20	
Ethyl tert-butyl ether	4.28	1.0	"	5.00	ND	86	71-110	1	20	
Methyl tert-butyl ether	4.60	0.50	"	5.00	ND	92	77-123	3	20	
Toluene	5.47	0.50	"	5.00	0.081	108	84-119	2	20	
Surrogate: Dibromofluoromethane	*4.93*		"	*5.00*		*99*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.64*		"	*5.00*		*93*	*74-135*			
Surrogate: Toluene-d8	*5.07*		"	*5.00*		*101*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.38*		"	*5.00*		*108*	*86-119*			

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Conor Pacific / EFW	Project: B&C Gas Mini Mart	P306230
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Katrin Schliewen	07/01/03 19:24

Notes and Definitions

HT-04	This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
S-LIM	The surrogate recovery was outside control limits. The result may still be useful for its intended purpose.
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

Page 1 of 1

Quotation No. 1

PROJECT NO.:	SITE NAME:
BNC 103	B&C GAS MINI MART

SAMPLER(S): C. MUIR (printed) — C. Muir (signature)

CONTRACT LABORATORY: SEQUOIA - PETALUMA

TURN-AROUND TIME: STANDARD

ANALYSES

EDD required? [X] Yes [ ] No

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info	TPH GAS	BTEX, DXY-8 BY EPA 8260	Cont. Qty.	Remarks
						Type/Vol.	VOA 40mL	VOA 40mL		
						Filter	N	N		
						Preserv.	HCl	HCl		
MW-1		6/9/03	1303	WATER	P306320-1		3	3	6	
MW-2		6/10/03	1214			2	3	3	6	
MW-3		6/9/03	1350			3	3	3	6	
MW-4		6/9/03	1447			4	3	3	6	
MW-5		6/10/03	1045			5	3	3	6	
MW-7		6/11/03	1215			6	3	3	6	
MW-8		6/11/03	1140			7	3	3	6	
MW-9		6/9/03	1540			8	3	3	6	
MW-10		6/9/03	1610			9	3	3	6	
MW-11		6/10/03	1558			10	3	3	6	
MW-12		6/10/03	1440			11	3	3	6	
MW-13		6/11/03	1106			12	3	3	6	
D-1		6/10/03	1531			13	3	3	6	
D-2		6/10/03	1348	✓		14	3	3	6	
MSMW01		6/11/03	1247			15	3	2	5	NOTE: MW-6 ~~AND MSMW01~~, NO SAMPLES.

COOLER CUSTODY SEALS INTACT [ ]

NOT INTACT [ ]

COOLER TEMPERATURE 6.2 °

Relinquished by: (signature)	Received by: (signature)	Date/Time	SEND RESULTS TO:
C. Muir	[signature]	6/13/03 1165	Attn: KATRIN SCHLIEWEN
Relinquished by: (signature)	Received by: (signature)	Date/Time: cf lab 1300	Conor Pacific/EFW 2580 Wyandotte St., Suite G Mountain View, CA 94043 Phone (650) 386-3828 Fax (650) 386-3815
Relinquished by: (signature)	Received by: (signature)	Date/Time	

white: lab copy yellow: project file

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		
		06/09/03	30.66	453.41		
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	
		06/09/03	30.41	453.45		

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		
		06/09/03	29.51	454.73		
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		
		06/09/03	30.21	454.83		

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		
		06/09/03	30.48	451.49		
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		
		06/09/03	NM*	NM		
MW-7	478.14	7/12/1999	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		
		06/09/03	30.48	447.66		

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	7/12/1999	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		
		06/09/03	36.49	436.74		
MW-9	477.08	7/12/1999	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		
		06/09/03	32.65	444.43		
MW-10	471.42	7/12/1999	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		
		06/09/03	37.34	434.08		
MW-11	464.93	7/12/1999	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		
		06/09/03	33.65	431.28		

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	7/12/1999	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		
		06/09/03	28.06	430.28		
MW-13	474.79	7/12/1999	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		
		06/09/03	32.24	442.55		
D-1	464.70	7/12/1999	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		
		06/09/03	36.20	428.50		
D-2	457.61	7/12/1999	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		
		06/09/03	29.35	428.26		

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	
		06/09/03	34.20	443.59		

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

B&C Gas Mini Mart - Groundwater Hydrograph

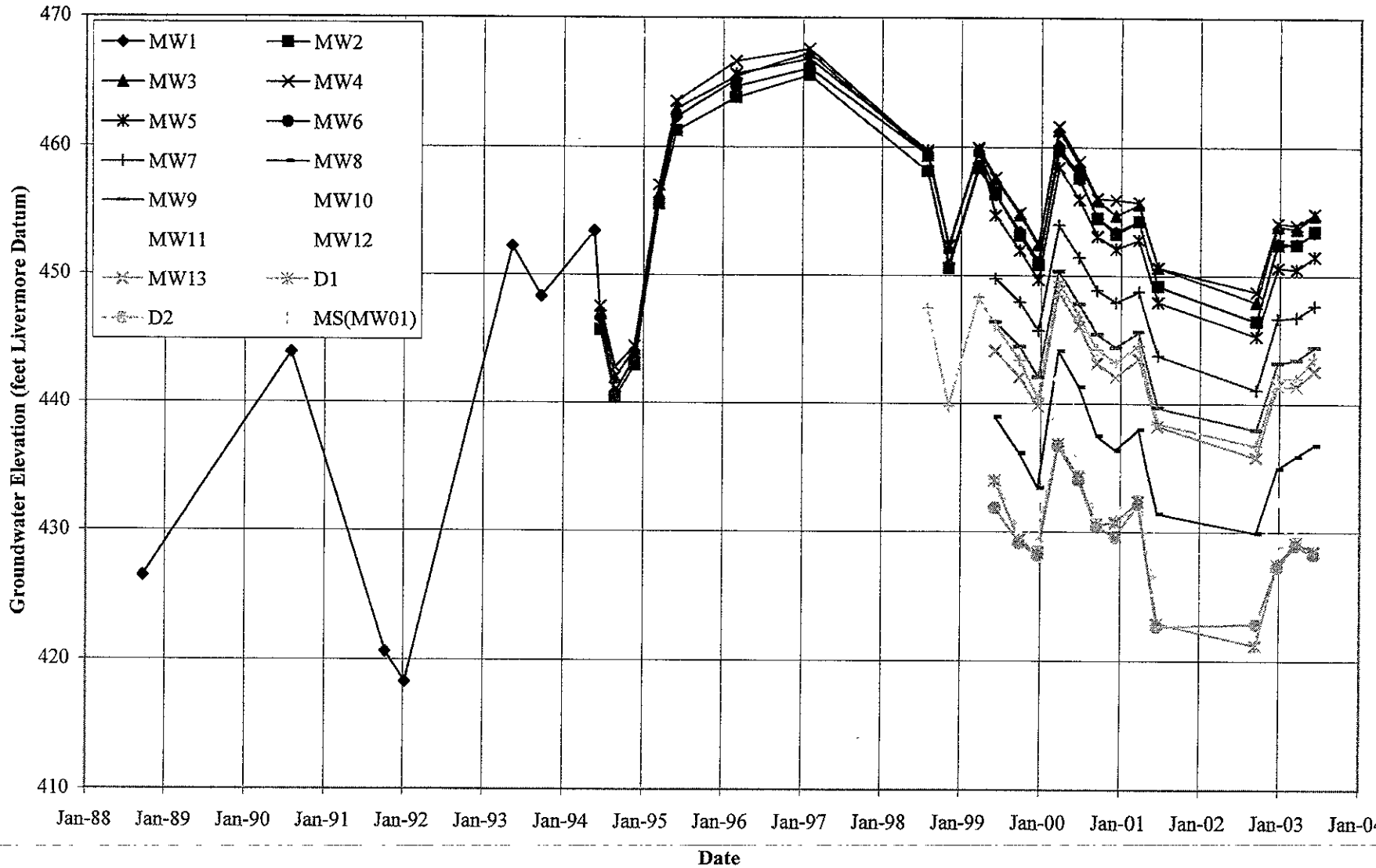

Table C-2
Historical Groundwater Analytical Results
B&C Gas Mini Mart
Livermore, California

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)	m,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-1	6/9/2003	6,700	52	32	110	460	4.7	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<20
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
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	10,000	608	99	1,080	NA	<200	<20	<20	<40	<2000	<40	352	27.5	<40	<2,000
MW-2	06/10/03	12,000	650	94	1,100	570	280	<50	<50	<100	<10,000	<100	NA	NA	<100	<2,000
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-3	06/09/03	870	79	5	13	10	180	<5	<5	<10	<1,000	<10	NA	NA	<10	<200
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
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-4	06/09/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<20
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	250 - R	<0.5	<0.5	<1	<50	<1	620	35.2	<1	<50
MW-5	06/10/03	23,000	770	<100	1,000	680	350	<100	<100	<200	<20,000	<200	NA	NA	<200	<4,000
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-6	03/19/03	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*
MW-6	06/09/03	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-7	06/11/03	170	1	<1	1.8	<1	4.7	<1	<1	<2	<200	<2	NA	NA	<2	<40
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-8	06/11/03	<50	<0.5	<0.5	<0.5	<0.5	5.4	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
MW-9	06/24/99	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
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-9	06/09/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
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-10	06/09/03	<50	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
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-11	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
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-12	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
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
MW-13	06/11/03	77	4.0	<0.5	<0.5	<0.5	28	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
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-1	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
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
D-2	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	NA	NA	<1	<0.5
(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**
(MS)MW-1	06/11/03	370	<1	<1	1.2	<1	<1	<1	<1	<2	<200	<2	NA	NA	<2	<40

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)	m,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	10/11/1995	380	61	1	<0.5	2	80	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-2	10/11/1995	14	3	<0.5	<0.5	<0.5	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-3	10/11/1995	92,000	11,000	18,000	2,200	11,000	18,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-4	10/11/1995	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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)	TAME (ug/l)	TBA (ug/l)
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
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert amyl-methyl ether
TBA = Tert-butyl alcohol
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
R = sample re-analyzed past recommended hold time to correct previous result.
Some analytical results may not be included in this table, as the results were not available when the data was compiled