THIRD QUARTER 2004
GROUNDWATER MONITORING RESULTS
B&C Gas Mini Mart
Livermore, California

Prepared by

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

October 2004

Project BNC 103

Conor Pacific

October 15, 2004
Project No. BNC103

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

Re: Third Quarter 2004 Groundwater Monitoring Results, B&C Gas Mini Mart, 2008 First Street, Livermore, California (Station ID 1689)

Dear Mr. Angle:

Conor Pacific has compiled Third quarter 2004 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.

Eight of the sixteen on- and off-site single-screen monitoring wells, and one zone of three multi-level monitoring wells were scheduled for sampling during this quarter. All wells scheduled to be sampled were successfully sampled for field monitoring and laboratory analysis, except for zone 1 in well CMT1 which was dry .

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 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.

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.[1]

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).[2]

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.[3] 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 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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[1] H⁺GCL, Inc. Deep Groundwater Conduit Study, Livermore Arcade Shopping Center, First Street and South P Street, Livermore, California. December 6, 1993.

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

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

Conor Pacific | EFW

Transmittal

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

From: Joseph Cotton
Date: October 15, 2004
Proj. No.: BNC103

Copies	Description	Sent by:
2	Third Quarter 2004 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)	

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).[4] 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.

In July and August 2003, four multi-level wells were installed (CMT-1, CMT-2, CMT-3, and CMT-4). Each was constructed using continuous multi-channel tubing (CMT) and completed with seven sampling ports to monitor groundwater both in the upper water-bearing zone and in the semi-confined aquifer below the aquitard. CMT-4 was installed at the B&C site while CMT-1, CMT-2, and CMT-3 were installed downgradient of the site to better define the lateral extent of the plume in the northwest direction.

Table 1a summarizes the well construction details for all single-screen wells installed on- and off-site, and Table 1b summarizes the well construction details for the four new multi-level wells.

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 in October 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 an absorbent sock was reinstalled 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); the sock was subsequently lowered to intersect the water table.

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

Since September 2002, product sheen continues to be observed in the purge water from well MW-5 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

The groundwater monitoring program for single screen and multi-level wells is summarized in Tables 2a and 2b.

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.

Free Product

During this sampling event, Conor Pacific checked for free product in wells (MW-1, MW-2, MW-5 and MS MW01) where product has historically been detected. No measurable free product was observed in these wells during this monitoring event. However, sheen was observed during the purging of wells MW-1 and MW-5. Moderate to strong hydrocarbon odor was detected in wells MW-1, MW-2 and MW-5 during purging. Faint to light hydrocarbon odor was noted in wells MW-3, MW-4 and MW-7 during purging.

Groundwater Elevations

On September 7, 2004, 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,[5] 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).

Tables 3a and 3b summarize the groundwater elevations from the current monitoring event (historical groundwater elevations are included in Appendix C). A groundwater contour map, based on the current water level measurements, is presented on Figure 3. Water levels measured in zone 2 of the multi-level wells were used to complete the equipotential contours on Figure 3. Compared to the previous quarter groundwater level measurements conducted in June 2004, current groundwater elevations are approximately 4 feet lower in all wells. Groundwater flow generally is slightly north of west and the hydraulic gradient is approximately 0.013 foot per foot. The flow direction and gradient are in accordance with previous results.

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

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) this quarter. Normally, a vertically downward gradient is observed between these wells. Vertically downward gradients were observed in each of the four multi-level wells CMT-1 through CMT-4. On occasion, slight upward gradients have been observed in multi-level wells CMT-1 and CMT-2. Current observations are consistent with previous measurements.

Sampling Methods

Conor Pacific sampled 8 single-screen monitoring wells on September 7 through September 9, 2004 (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-13, and D-2), and zone 2 in the multi-level monitoring wells CMT-1, CMT-2 and CMT-3. Zone 1 of well CMT-1 was scheduled for sampling, but had insufficient water for sampling.

All single-screen wells sampled during this quarter were purged with a one-use weighted disposable polyethylene bailer. One casing volume was purged from each single-screen well prior to collecting a groundwater sample. Samples were collected from each well using a disposable bailer.

The zone in the multi-level wells targeted for sample collection was purged and sampled using inertial lift methods where a dedicated ¼-inch diameter tubing was fitted with a check valve. Unless there was insufficient water present, two casing volumes were removed to purge each zone prior to collecting a groundwater sample. Groundwater samples were collected using the inertial lift method.

Field measurements of temperature, pH, dissolved oxygen, turbidity, and electrical conductivity were taken when sufficient water was present; field measured values were recorded on water sample field data sheets (Appendix A). All samples were properly stored (on ice and in coolers) 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 temporarily stored at the B&C site. After the third quarter 2004 groundwater sampling event was completed, a composite sample was collected from the drummed purge water on September 9, 2004 (PW090904). The purge water was discharged into a sewer clean-out line in accordance with City of Livermore Water Resources Division discharge permit no. 1514G (2004-2005). The current discharge permit was renewed on August 12, 2004; for the period of August 2004 through July 2005. The permit allows the discharge of purge water containing less than 1 milligram per liter (mg/L) of total toxic organics. According to the analytical results, composite purge water sample PW090904 contained a total organic compound concentration of approximately 43 µg/L (0.043 mg/L), well within the current permit conditions.

Analytical Program

Sequoia Analytical of Petaluma, California, a state-certified laboratory, performed all groundwater analyses. Groundwater samples were analyzed for TPH-G by U.S. Environmental Protection Agency (EPA) Method 8015B, and for benzene, toluene, ethylbenzene, and total xylenes (collectively referred to as BTEX compounds) and the oxygenate methyl tertiary-butyl ether (MTBE) by EPA Method 8260B.

As specified in the revised monitoring program, during third quarter 2004, analyses for oxygenates other than MTBE were not requested. However, during 2003 and first quarter 2004, samples also were analyzed for oxygenates 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]).[6]

Laboratory Quality Control

Laboratory analyses occurred within specified holding times and laboratory quality control standards during the third quarter 2004.

Analytical Results

Analytical results for third quarter 2004 are summarized in Tables 4a and 4b (for the single-screen wells and the multi-level wells, respectively). Benzene and MTBE concentrations are presented on Figure 4, and are used to define the greater than 0.5 µg/L concentration plume outlines shown on the figure for these two compounds. Tables of historical analytical results are included in Appendix C.

Over the last ten years of monitoring at the site, concentrations of benzene have steadily decreased in all single-screen site wells (Appendix C). Analysis for MTBE in site groundwater samples began in June 1995. Since then, concentrations of MTBE have decreased significantly, with the possible exception of well MW-7 where significant fluctuations in MTBE concentrations are common and apparently unrelated to seasonal variations in groundwater elevation. Seasonal changes in hydrocarbon concentrations are evident in other wells, probably a reflection of seasonal water level fluctuations.

During the current sampling event, no hydrocarbons or BTEX were detected in upgradient monitoring well MW-4 or in downgradient monitoring well D-2. MTBE was detected slightly above the reporting limit in well MW-4 and not detected in well D-2.

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[6] 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.

Detections in On-Site Wells

Site wells MW-1, MW-2, and MW-5 continue to have the highest hydrocarbon concentrations, and well MW-5 continues to have the highest MTBE concentration (Table 4a). The sample from well MW-3, located approximately cross-gradient and in proximity to the highest on-site hydrocarbon and MTBE concentrations detected, returned significantly lower concentrations. Well MW-5 contained generally the highest hydrocarbon concentrations of on-site wells and concentrations have been relatively stable during the past five quarters.

Detections in Downgradient Wells

Downgradient of the site, TPH-G, benzene, ethylbenzene, and MTBE were detected in well MW-7, and MTBE was detected in well MW-13 (Tables 4a). The concentrations detected in the sample from well MW-7 were lower than the previous quarter but the second highest reported for this well since September 2002 (Table C-2). The historical record of analytical results show fluctuations in the reported concentrations, therefore, the current results likely reflect the seasonal fluctuations previously observed.

Only MTBE was detected in zone 2 of the downgradient multi-level wells. Current MTBE values are the lowest reported to date in these wells.

The downgradient multi-level wells CMT-1, CMT-2, and CMT-3 help to better define the lateral and vertical extent and direction of the MTBE plume. The MTBE plume appears to be migrating in a direction slightly north of west (approximately N75°W), and not directly toward California Water Supply (CWS) well #8 as was previously thought (CWS well #8 is located approximately N85°W from the site). MTBE continues to be detected at low concentrations in zone 2 of each of the three downgradient multi-level wells. Recent results show MTBE concentrations ranging from 0.72 to 1.8 µg/L in this furthest downgradient area.

SUMMARY

A subset of the single-screen and multi-level monitoring wells were sampled during third quarter 2004. Current groundwater monitoring results from the single-screen wells are somewhat higher than previous quarters monitoring results in wells in proximity and immediately downgradient of the original source location. However, TPH-G, BTEX, and MTBE concentrations are below historical maximum concentrations for the constituents.

The three multi-level wells installed downgradient of the site help to better define the lateral and vertical extent and the direction of the MTBE plume. The MTBE plume appears to be migrating in a direction approximately N75°W downgradient of the site.

Fourth quarter 2004 groundwater monitoring currently is scheduled for December 13, 2004.

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

Sincerely,
Conor Pacific

Joseph A. Cotton, R.G. 7378
Senior Geologist

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 1a - Single-Screen Monitoring Well Construction Details
Table 1b - Multi-Level Monitoring Well Construction Details
Table 2a - Groundwater Monitoring Program for Single-Screen Wells
Table 2b - Groundwater Monitoring Program for Multi-Level Wells
Table 3a - Groundwater Elevations in Single-Screen Wells – Third Quarter 2004
Table 3b - Groundwater Elevations in Multi-Level Wells – Third Quarter 2004
Table 4a - Groundwater Analytical Results in Single-Screen Wells – Third Quarter 2004
Table 4b - Groundwater Analytical Results in Multi-Level Wells – Third Quarter 2004

Figures

Figure 1 - Site Location
Figure 2 - Site Plan
Figure 3 - Well Locations and Groundwater Contours (September 2004)
Figure 4 - Groundwater Chemistry (September 2004)

Appendices

Appendix A - Water Sample Field Data Sheets
Appendix B - Laboratory Certified Analytical Report
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 1a
Single-Screen Monitoring Well Construction Details
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

Notes:
HAS = 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 1b
Mulit-Level Monitoring Well Construction Details
B&C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Drilling Method	Date Installed	T.D. Boring (ft.-bgs)	T.D. CMT (ft.-bgs)	Borehole Diameter (inches)	Casing Material	Casing Diameter (inches)	Sand Pack Material	Port Depth (ft.-bgs)	Sand Pack Interval (ft.-bgs)
CMT-1	Z1	Sonic	7-Aug-03	147	146	6.0	CMT	1.7	#2/12	46	43 - 48.8
	Z2								#2/12	61	59 - 62
	Z3								#2/12	69	66.8 - 70.7
	Z4								#2/12	91	89 - 93.3
	Z5								#2/12	106	104 - 108.4
	Z6								#2/12	123	120.5 - 125.5
	Z7								#2/12	145	142 - 147
CMT-2	Z1	Sonic	11-Aug-03	147	144	6.0	CMT	1.7	#2/12	49	46 - 50.5
	Z2								#2/12	59	57.1 - 60.5
	Z3								#2/12	68	66 - 70
	Z4								#2/12	88	86 - 89.9
	Z5								#2/12	106	104 - 107.5
	Z6								#2/12	125	123 - 126.5
	Z7								#2/12	144	142 - 147
CMT-3	Z1	Sonic	13-Aug-03	187	155	6.0	CMT	1.7	#2/16	44	41 - 46
	Z2								#2/16	55	53 - 58
	Z3								#2/16	65	61.5 - 67.5
	Z4								#2/16	88	86 - 90
	Z5								#2/16	108	104.5 - 110
	Z6								#2/16	132	128.5 - 134
	Z7								#2/16	155	152.5 - 157
CMT-4	Z1	Sonic	14-Aug-03	137	136	6.0	CMT	1.7	#2/16	26	24 - 28.5
	Z2								#2/16	38	35.5 - 40
	Z3								#2/16	52	48.6 - 55
	Z4								#2/16	62	60 - 65
	Z5								#2/16	72	69.6 - 73.5
	Z6								#2/16	107	104 - 110
	Z7								#2/16	136	132.5 - 137

Notes
T.D. = total depth
ft.-bgs = feet below ground surface
CMT = continuous multi-channel tubing (7 discrete internal channels in a "honeycomb" pattern within the larger tubing)

Table 2a
Groundwater Monitoring Program for Single-Screen Wells
B&C Gas Mini Mart
Livermore, California

Well Number	Sampling Frequency			Comments
	Quarterly	Annual	Inactive	
MW-1	Q			Destruction Proposed
MW-2	Q	MNA		
MW-3	Q			
MW-4	Q	MNA		
MW-5	Q			
MW-6	Q			Obstructed at 28.6 feet TOC
MW-7	Q			
MW-8		A		
MW-9		A		
MW-10		A		
MW-11			I	
MW-12		A		
MW-13	Q	MNA		
D-1			I	
D-2	Q			
(MS)MW-1		A		
8K2		A		

Notes:
Q - Quarterly
A - Annual (during fourth quarter)
I - Inactive (no sampling is proposed for wells MW-11 and D-1)
MNA - Monitored natural attenuation
Quarterly (Q) and Annual (A) monitoring parameters TPHg, BTEX compounds, and MTBE. TAME annually only
Annual sampling for MNA parameters: DO, ORP, dissolved iron and manganese, Alkalinity series, CO2, Nitrate and Sulfate

Table 2b
Groundwater Monitoring Program for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well Number	Sampling Frequency			Comments
	Quarterly	Annual	Inactive	
CMT-1 Z1	Q			
CMT-1 Z2	Q			
CMT-1 Z3		A		
CMT-1 Z4			I	All compounds non detect
CMT-1 Z5			I	All compounds non detect
CMT-1 Z6			I	All compounds non detect
CMT-1 Z7			I	All compounds non detect
CMT-2 Z1		A		
CMT-2 Z2	Q	MNA		
CMT-2 Z3		A		
CMT-2 Z4		A		
CMT-2 Z5			I	All compounds non detect
CMT-2 Z6			I	All compounds non detect
CMT-2 Z7			I	All compounds non detect
CMT-3 Z1		A		
CMT-3 Z2	Q			
CMT-3 Z3		A		
CMT-3 Z4			I	All compounds non detect
CMT-3 Z5			I	All compounds non detect
CMT-3 Z6			I	All compounds non detect
CMT-3 Z7			I	All compounds non detect
CMT-4 Z1		A		
CMT-4 Z2		A		
CMT-4 Z3		A		
CMT-4 Z4		A		
CMT-4 Z5		A		
CMT-4 Z6			I	All compounds non detect
CMT-4 Z7			I	All compounds non detect

Notes:

Q - Quarterly

A - Annual (during fourth quarter)

I - Inactive (no sampling is proposed for these zones)

MNA - Monitored natural attenuation

Quarterly (Q) and Annual (A) monitoring parameters: TPHg, BTEX compounds, and MTBE. TAME annually only.

Annual sampling for MNA parameters: DO, ORP, dissolved iron and manganese, Alkalinity series, CO_2, Nitrate and Sulfate

Table 3a
Groundwater Elevations in Single-Screen Wells - Third Quarter 2004
B & C Gas Mini Mart
Livermore, California

Well Number	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet, TOC)	Product Thickness (feet)
		September 7, 2004		September 7, 2004	
MW-1 *	483.68	36.53	447.15	NM	NM
MW-2	483.86	36.69	447.17	NM	NM
MW-3	484.24	35.83	448.41	NM	NM
MW-4	485.04	36.51	448.53	NM	NM
MW-5	481.97	35.83	446.14	NM	NM
MW-6	483.93	NM	NM	NM	NM
MW-7	478.14	36.77	441.37	NM	NM
MW-8	473.23	42.92	430.31	NM	NM
MW-9	477.08	38.82	438.26	NM	NM
MW-10	471.42	43.43	427.99	NM	NM
MW-11	464.93	39.87	425.06	NM	NM
MW-12	458.34	34.56	423.78	NM	NM
MW-13	474.79	38.75	436.04	NM	NM
D-1	464.70	42.30	422.40	NM	NM
D-2	457.61	35.42	422.19	NM	NM
(MS)MW-1	477.79	40.92	436.87	NM	NM

Notes:

feet, MSL = feet above mean sea level

feet, TOC = feet below top of casing

NM = not measured, no measureable free product thickness was present; well MW-6 was obstructed at a depth of 28.58 feet

MS = Mill Springs Park

* The top of casing elevation of well MW-1 was reduced from 484 07 feet, MSL, by 0.39 feet, during a repair conducted on 11/26/03

Table 3b
Groundwater Elevations in Multi-Level Wells - Third Quarter 2004
B & C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	Depth to Free product (feet, TOC)	Product Thickness (feet)
			September 7, 2004		September 7, 2004	
CMT-1	Z1	469.51	45.29	424.22	NM	NM
	Z2		45.89	423.62	NM	NM
	Z3		45.83	423.68	NM	NM
	Z4		45.20	424.31	NM	NM
	Z5		45.46	424.05	NM	NM
	Z6		45.30	424.21	NM	NM
	Z7		47.79	421.72	NM	NM
CMT-2	Z1	470.14	44.88	425.26	NM	NM
	Z2		45.64	424.50	NM	NM
	Z3		45.68	424.46	NM	NM
	Z4		45.49	424.65	NM	NM
	Z5		45.44	424.70	NM	NM
	Z6		45.62	424.52	NM	NM
	Z7		45.92	424.22	NM	NM
CMT-3	Z1	473.44	Dry	Dry	NM	NM
	Z2		44.58	428.86	NM	NM
	Z3		45.75	427.69	NM	NM
	Z4		46.60	426.84	NM	NM
	Z5		47.71	425.73	NM	NM
	Z6		47.86	425.58	NM	NM
	Z7		48.33	425.11	NM	NM
CMT-4	Z1	483.38	Dry	Dry	Dry	Dry
	Z2		35.94	447.44	NM	NM
	Z3		35.88	447.50	NM	NM
	Z4		36.00	447.38	NM	NM
	Z5		35.99	456.27	NM	NM
	Z6		42.13	441.25	NM	NM
	Z7		42.63	440.75	NM	NM

Notes.

feet, MSL = feet above mean sea level

feet, TOC = feet below top of casing

NM = not measured, no measureable free product thickness was present

MS = Mill Springs Park

[1] Depth to water recorded on the field water level data sheet for CMT-4, Z5, was 21 11 feet below TOC. Recorded value appears to be erroneous, likely due to a transcription error. Value is assumed to be 27.11 feet below TOC

Table 4a
Groundwater Analytical Results in Single-Screen Wells - Third Quarter 2004
B&C Gas Mini Mart
Livermore, California

Well No.	Sample Date	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Xylenes (total) (µg/L)	Methyl tert-butyl ether (µg/L)
MW-1	9/7/2004	**12,000**	**34**	**5.9**	**100**	**510**	**7.6**
MW-2	9/8/2004	**4,600**	**300**	**25**	**250**	**88**	**41**
MW-3	9/8/2004	**490**	**4.1**	<0.5	**2.7**	**1**	**16**
MW-4	9/8/2004	<50	<0.5	<0.5	<0.5	<0.5	**1.1**
MW-5	9/8/2004	**18,000**	**1,500**	**130**	**1,600**	**410**	**840**
MW-6	-	-	-	-	-	-	-
MW-7	9/8/2004	**2,100**	**20**	<10	**70**	<10	**35**
MW-8	-	-	-	-	-	-	-
MW-9	-	-	-	-	-	-	-
MW-10	-	-	-	-	-	-	-
MW-11	-	-	-	-	-	-	-
MW-12	-	-	-	-	-	-	-
MW-13	9/8/2004	<50	<0.5	<0.5	<0.5	<0.5	**4.6**
D-1	-	-	-	-	-	-	-
D-2	9/8/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5
(MS)MW-1	-	-	-	-	-	-	-

Notes:

µg/L = micrograms per liter

TPH-G = total petroleum hydrocarbons as gasoline

MS = Mill Springs Park Apartments

< = less than the laboratory reporting limit

Dashes indicate sampling was not required during the current monitoring event (see Table 2a)

Analysis for oxygenates was not requested, but samples from wells MW-1, MW-2, MW-3, and MW-5 were analyzed for oxygenates in error and results wei

Table 4b
Groundwater Analytical Results in Multi-Level Wells - Third Quarter 2004
B&C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Sample Date	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Xylenes (total) (µg/L)	Methyl tert-butyl ether (µg/L)
CMT-1	Z1	-	-	-	-	-	-	-
	Z2	9/8/2004	<50	<0.5	<0.5	<0.5	<0.5	**0.72**
	Z3	-	-	-	-	-	-	-
	Z4	-	-	-	-	-	-	-
	Z5	-	-	-	-	-	-	-
	Z6	-	-	-	-	-	-	-
	Z7	-	-	-	-	-	-	-
CMT-2	Z1	-	-	-	-	-	-	-
	Z2	9/9/2004	<50	<0.5	<0.5	<0.5	<0.5	**0.83**
	Z3	-	-	-	-	-	-	-
	Z4	-	-	-	-	-	-	-
	Z5	-	-	-	-	-	-	-
	Z6	-	-	-	-	-	-	-
	Z7	-	-	-	-	-	-	-
CMT-3	Z1	-	-	-	-	-	-	-
	Z2	9/9/2004	<50	<0.5	<0.5	<0.5	<0.5	**1.8**
	Z3	-	-	-	-	-	-	-
	Z4	-	-	-	-	-	-	-
	Z5	-	-	-	-	-	-	-
	Z6	-	-	-	-	-	-	-
	Z7	-	-	-	-	-	-	-
CMT-4	Z1	-	-	-	-	-	-	-
	Z2	-	-	-	-	-	-	-
	Z3	-	-	-	-	-	-	-
	Z4	-	-	-	-	-	-	-
	Z5	-	-	-	-	-	-	-
	Z6	-	-	-	-	-	-	-
	Z7	-	-	-	-	-	-	-

Notes on page 2.

Table 4b
Groundwater Analytical Results in Multi-Level Wells - Third Quarter 2004
B&C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Sample Date	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Xylenes (total) (µg/L)	Methyl tert-butyl ether (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Di

Notes.

CMT = continuous multi-channel tubing

µg/L = micrograms per liter

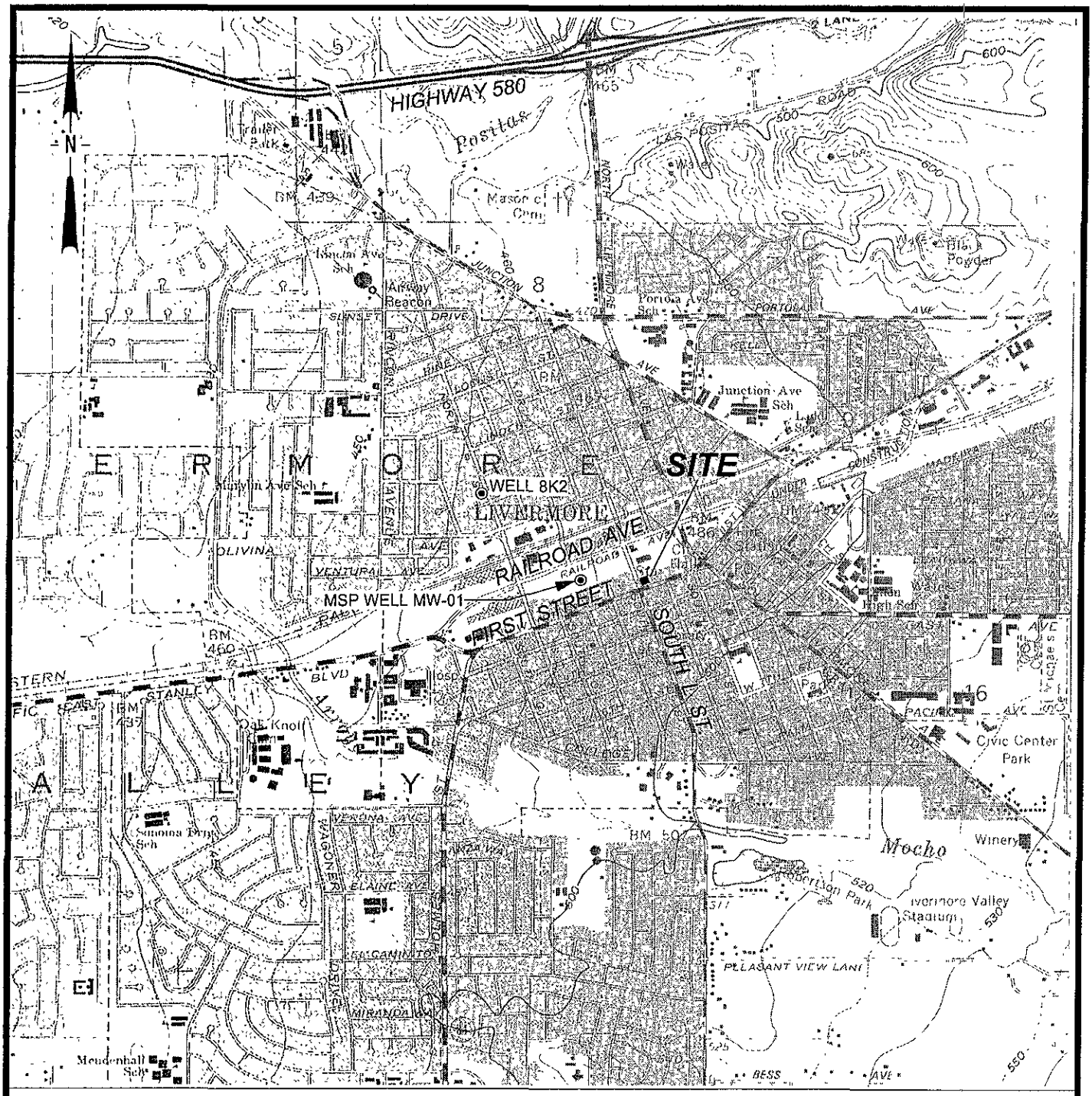
TPH-G = total petroleum hydrocarbons as gasoline

NA = not analyzed because of insufficient water present to collect sample

< = less than the laboratory reporting limit

Dashes indicate sampling was not required during the current monitoring event (see Table 2b).

Analysis for oxygenates was not requested, but samples from zone 2 of CMT-1, CMT-2, and CMT-3 were analyzed for oxygenates in error an



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

SCALE: 0 2,000 4,000 FEET

I:/BNC/103/FIGURES/SITELOC.DSF 1/14/03

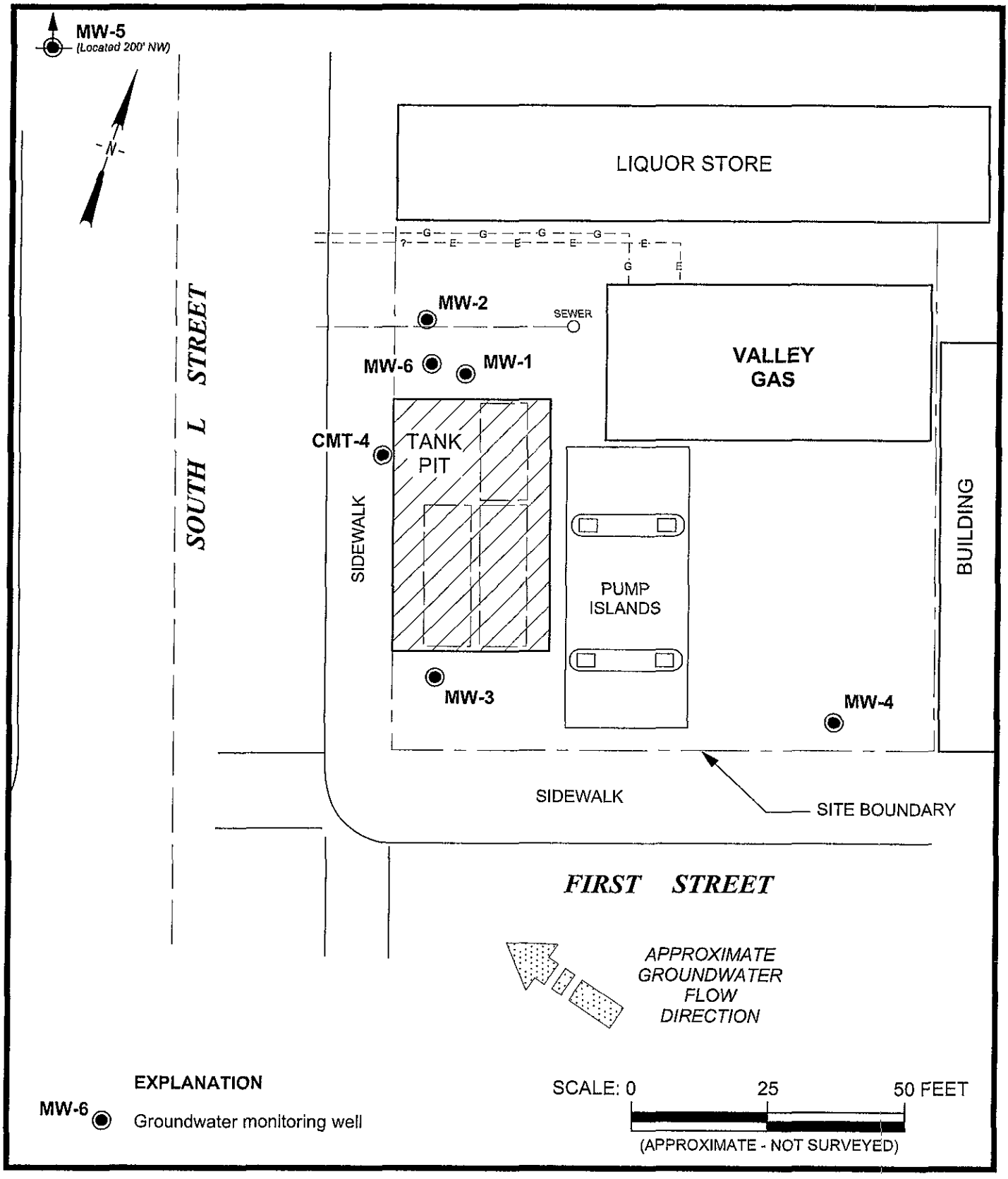
Conor Pacific EFW

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

SITE LOCATION MAP

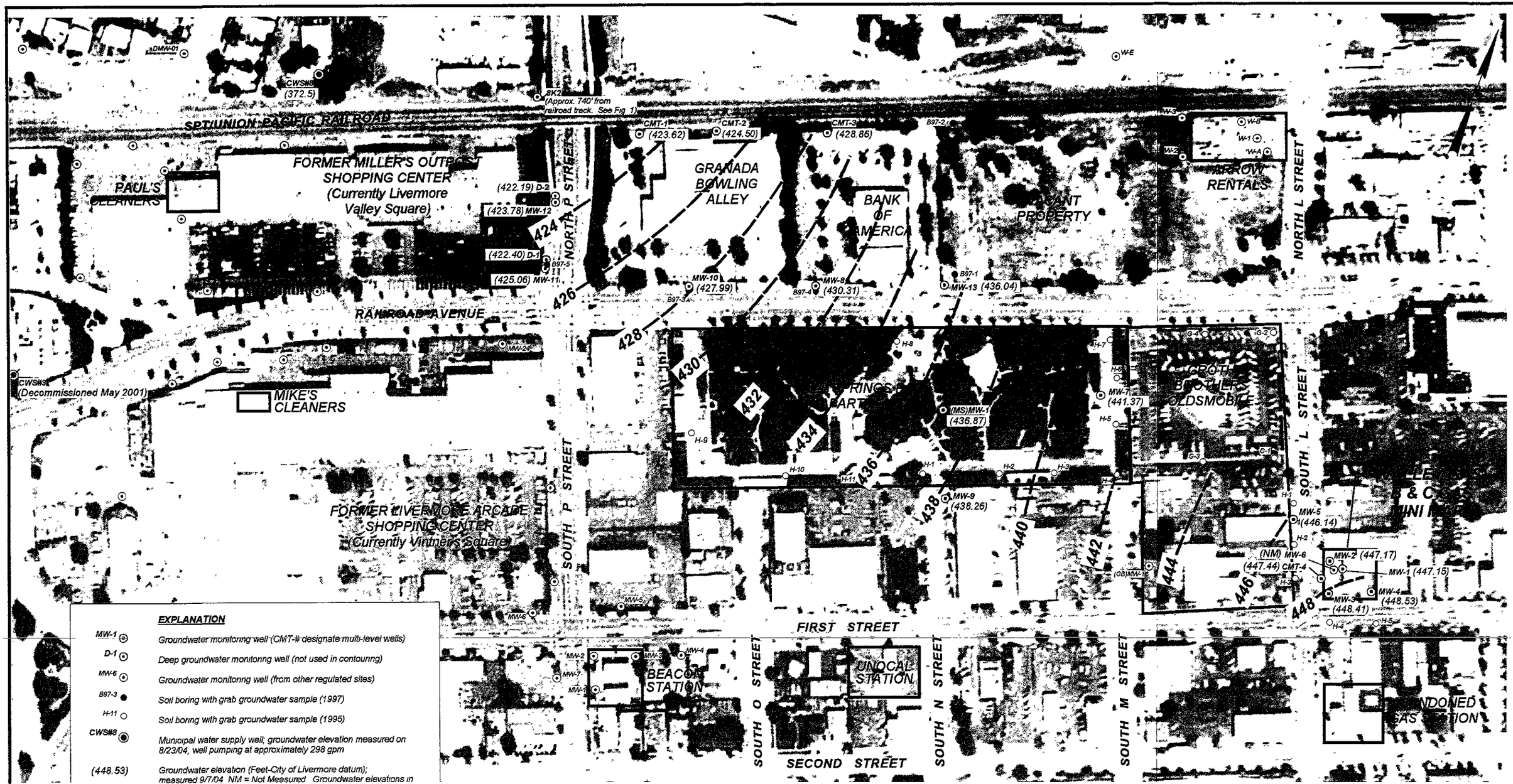
FIGURE 1

PROJECT NO. BNC103



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



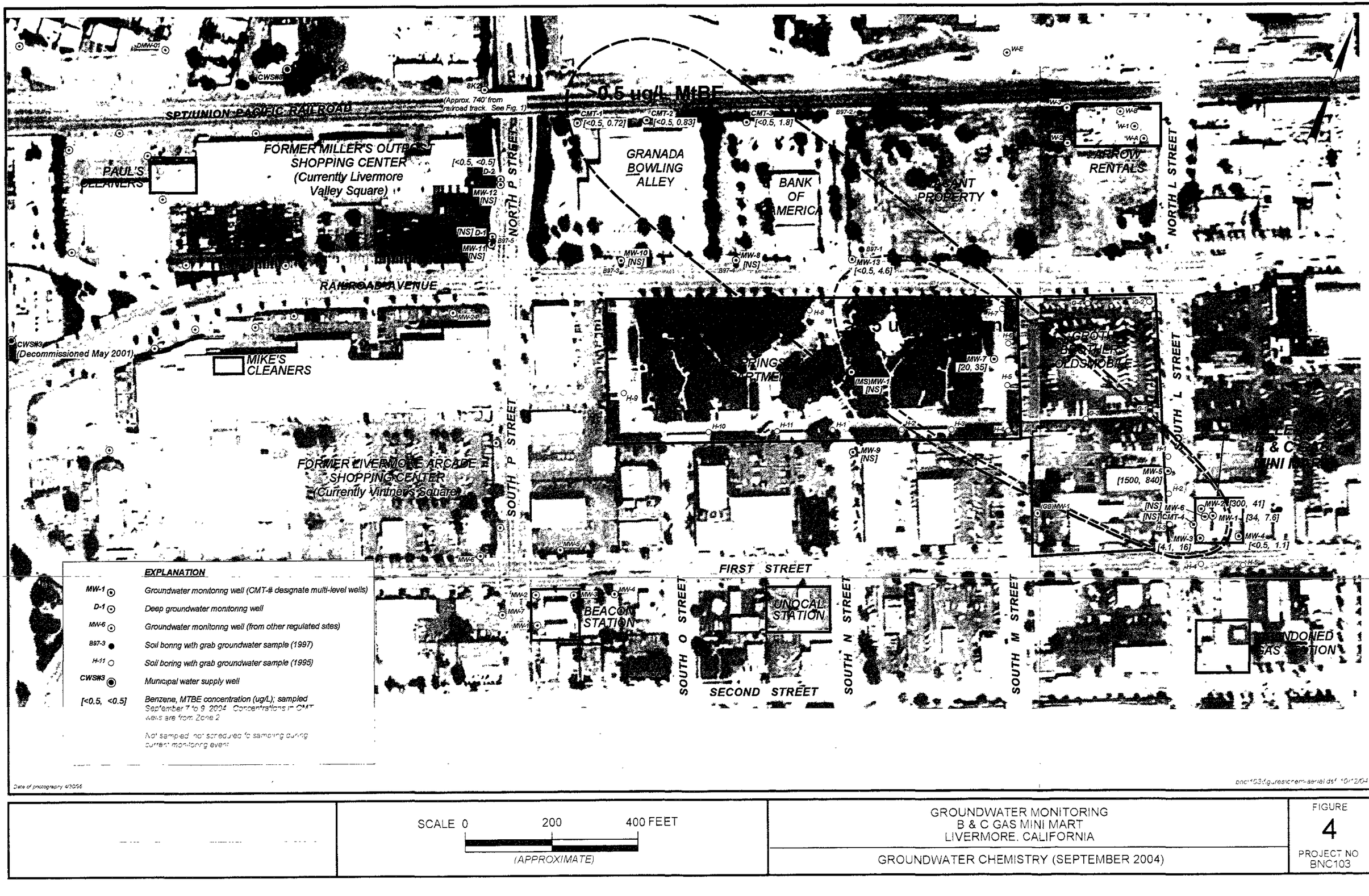
SCALE 0 200 400 FEET
(APPROXIMATE)

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

WELL LOCATIONS AND GROUNDWATER CONTOURS (SEPTEMBER 2004)

FIGURE
3

PROJECT NO
BNC103



EXPLANATION

MW-1	Groundwater monitoring well (CMT-# designate multi-level wells)
D-1	Deep groundwater monitoring well
MW-6	Groundwater monitoring well (from other regulated sites)
B97-3	Soil boring with grab groundwater sample (1997)
H-11	Soil boring with grab groundwater sample (1995)
CWS#3	Municipal water supply well
[<0.5, <0.5]	Benzene, MTBE concentration (ug/L); sampled September 7 to 9, 2004. Concentrations in CMT wells are from Zone 2
	Not sampled, not scheduled for sampling during current monitoring event

Date of photography 4/30/56

bnc103\figures\crem-aerial.dsf 10/12/04

SCALE 0 200 400 FEET
(APPROXIMATE)

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

GROUNDWATER CHEMISTRY (SEPTEMBER 2004)

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): 9/7/04
Name: C. MURR
Weather: SUNNY Sounder #: SLOPE 16071; KECK! 1381.

Well	Date	Time	DTW (TOC)	Total Depth	Meas. By	Comments
MW-1	9/7/04	1335	36.53	74.6	CM	KECK
MW-2		1331	36.69	CM ~~55.95~~		KECK. TD: ~~56.0~~ NM (2)
MW-3		1342	35.83	57.8		
MW-4		1348	36.51	~~57.3~~		TD: 60.1
MW-5		1414	35.83	NM		DTW MAY BE OFF DUE TO (1) KECK
MW-6		———	NM	NM		OBSTRUCTION AT 28.50'
MW-7		1255	36.77	49.2		
MW-8		1243	42.92	52.9		
MW-9		1319	38.82	44.1		
MW-10		1246	43.43	53.6		
MW-11		1136	39.87	48.8		
MW-12		1130	34.56	43.2		
MW-13		1237	38.75	54.2		
D-1		1139	42.30	123.8		
D-2		1125	35.42	110.8		
MS MW01		1309	40.92	NM		NO PRODUCT MEASURED. KECK.
CMT1-Z1		1151	45.29	NM		
CMT1-Z2		1153	45.89			
CMT1-Z3		1155	45.83			
CMT1-Z4		1157	45.20			
CMT1-Z5		1158	45.46			
CMT1-Z6		1159	45.30			
CMT1-Z7		1200	47.79			
CMT2-Z1		1205	44.88			
CMT2-Z2		1206	45.64			
CMT2-Z3		1208	45.68			
CMT2-Z4		1209	45.49			
CMT2-Z5		1210	45.44			
CMT2-Z6		1212	45.62			
CMT2-Z7		1213	45.92			
CMT3-Z1		1223	DRY			TD: 43.60'
CMT3-Z2		1224	44.58			
CMT3-Z3		1226	45.75			
CMT3-Z4		1227	46.60			
CMT3-Z5		1229	47.71			
CMT3-Z6		1231	47.86			
CMT3-Z7		1232	48.33			
CMT4-Z1		1351	DRY			TD: 25.7'
CMT4-Z2		1353	35.94			
CMT4-Z3		1354	~~35.94~~ CM			DTW: 35.89
CMT4-Z4		1355	~~35.88~~ CM			DTW: 36.0
CMT4-Z5		1357	35.99			
CMT4-Z6		1400	42.13			
CMT4-Z7	✓	1402	42.63	✓	✓	

(1) HAVING TO LOWER ABSORBANT SOCK DEPTH TO REACH DTW.

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): 74.6	Volume in Casing (gal): 6.5
Depth to Water (ft): 36.53	Calculated Purge (volumes / gal.): 6.5
Height of Water Column (ft): 38.07	Actual Pre-Sampling Purge (gal): 6.5

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
1553	2.25	23.3	1060	6.74	LT. BROWN	MODERATE	MODERATE SHEEN	LT. BROWN PARTICULATES STRONG ODOR
1559	4.5	22.2	1060	6.81	↓	↓	↓	↓
1603	6.5	22.8	1050	6.76	↓	↓	↓	↓

Purge Date: 9/7/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer 71'
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
1610	23.1	1050	6.95	1.83	LT. GREY	> 999	

Sheen: NONE Odor: MODERATE Sample Date: 9/7/04

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

CALIBRATION ON 9/7/04 AT 1522. DO: AUTO; PH: 6.98, 9.90; TEMP: 36.9C; COND: 0.2000; TURB: 0;

SIGNATURE: MMann for Cmuir **DATE:** 9/7/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-2
PROJECT NO: BNC103
SAMPLED BY: C. Mui
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	Volume in Casing (gal): 12.7
Depth to Water (ft): 36.78	Calculated Purge (volumes / gal.): 12.7
Height of Water Column (ft): 19.22	Actual Pre-Sampling Purge (gal): 13.0

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 X Dedicated X Other____
Purge Water Containment: DRUMMED PURGE PUMP P-40
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
1034	4.25	23.1	1050	7.05	LT. YELLOW TINT	LOW	MODERATE ODOR	
1040	8.5	22.4	1050	7.05	↓	↓	↓	
1046	13.0	22.0	1050	7.03	↓	↓	↓	

Purge Date: 9/8/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer X (53')
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
1054	24.4	1070	7.11	0.55	LT. YELLOW TINT	189	

Sheen: NONE Odor: MODERATE Sample Date: 9/8/04

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

REMARKS: 1 CASING VOLUME PURGE. NO MEASURABLE PRODUCT. SAMPLE COLLECTED.

SIGNATURE: Chuck Mui **DATE:** 9/8/04

Conor Pacific / EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: MW-3
PROJECT NO: BNC103 SAMPLED BY: ~~ACEHS~~ C. Min
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): 57.8	Volume in Casing (gal): 14.5
Depth to Water (ft): 35.90	Calculated Purge (volumes / gal.): 14.5
Height of Water Column (ft): 21.90	Actual Pre-Sampling Purge (gal): 15.0

PURGE: ~~2x1.5~~ 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
1122	5.0	21.8	1050	7.31	LT.BROWN	MODERATE	SLIGHT ODOR	
1127	10.0	20.8	1050	7.33	↓	↓	↓	
1132	15.0	20.6	1050	7.33	↓	↓	↓	

Purge Date: 9/8/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ___ Teflon Bailer ___ PVC Bailer ___ Disp. Bailer 54' 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
1137	21.6	1050	7.29	1.38	LT.BROWN	425	

Sheen: NONE Odor: SLIGHT Sample Date: 9/8/04

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

SIGNATURE: [signature] **DATE:** 9/8/04

3 of 13

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Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: MW-4
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 ____ 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): 15.6
Depth to Water (ft): 36.59	Calculated Purge (volumes / gal.): 1X6
Height of Water Column (ft): 23.51	Actual Pre-Sampling Purge (gal): 16.0

2X1.5"

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
1209	5.25	22.4	1070	7.47	LT.BROWN	MODERATE	SLIGHT ODOR	
1216	10.5	21.4	1060	7.47	↓	↓	↓	
1235	16.0	21.8	1070	7.49	↓	↓		

Purge Date: 9/8/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 56'
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
1239	22.1	1070	7.39	5.12	LT.BROWN	635	

Sheen: NONE Odor: SLIGHT Sample Date: 9/8/04

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

SIGNATURE: Chuck Murin **DATE:** 9/8/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-5
PROJECT NO: BNC103
SAMPLED BY: C. min
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): 2.3
Depth to Water (ft): 36.14	Calculated Purge (volumes / gal.): 2-3
Height of Water Column (ft): 3.46	Actual Pre-Sampling Purge (gal): 2.5

1.5"

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
902	1.0	21.1	1080	6.61	GREY	MODERATE	LT. SHEEN	STRONG ODOR
909	2.0	20.9	1120	6.67	↓	↓	↓	↓
913	~~2.5~~ 3.0	20.8	1120	6.69	↓	↓	↓	↓

Purge Date: 9/8/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 36'
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
916	21.0	1120	6.81	1.00	GREY	368	

Sheen: VERY FAINT Odor: STRONG ODOR Sample Date: 9/8/04

Field Measurement Devices: Horiba U-44 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE, NO MEASURABLE PRODUCT. SAMPLE COLLECTED.

CALIBRATION ON 9/8/04 AT 832. DO: AUTO; PH: 7.02, 10.05; TEMP: 20°C; COND: 0, 2060; TURB: 0;

SIGNATURE: Chuck Min **DATE:** 9/8/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: MW-7
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): 49.2 Volume in Casing (gal): 2.2
Depth to Water (ft): 36.67 Calculated Purge (volumes / gal.): 2.2
Height of Water Column (ft): 12.53 Actual Pre-Sampling Purge (gal): 2.25

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
1447	0.75	22.4	950	7.43	LT. BROWN	LOW	MODERATE ODOR	LT. BROWN PARTICULATES
1450	1.5	21.2	950	7.40	↓	MODERATE	SLIGHT ODOR	↓
1452	2.25	20.8	920	7.40	↓	↓	↓	↓

Purge Date: 9/8/04

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
1455	23.3	940	7.38	0.76	LT. BROWN	536	LT. BROWN PARTICULATES

Sheen: NONE Odor: FAINT Sample Date: 9/8/04

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

SIGNATURE: Chuck Muir **DATE:** 9/8/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: MW-13
PROJECT NO: BNC103 SAMPLED BY: C. Mini
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): 54.2	Volume in Casing (gal): 2.7
Depth to Water (ft): 38.85	Calculated Purge (volumes / gal.): 2.7
Height of Water Column (ft): 15.35	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 LT. BROWN	Observation
1418	1.0	21.8	960	7.50	LT. BROWN	HIGH	PARTICULATES	
1422	2.0	21.0	950	7.45	↓	↓	↓	
1424	3.0	20.8	950	7.41	↓	↓	↓	

Purge Date: 9/8/04

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
1428	22.1	940	7.39	1.47	LT. BROWN	750	

Sheen: NONE Odor: NONE Sample Date: 9/8/04

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

SIGNATURE: Chuck Mini **DATE:** 9/8/04

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): 110.8	Volume in Casing (gal): 12.9
Depth to Water (ft): 35.48	Calculated Purge (volumes / gal.): 12.9
Height of Water Column (ft): 75.32	Actual Pre-Sampling Purge (gal): 13.0

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
1329	4.5	22.0	1000	7.60	LT. BROWN TINT	TRACE		
1337	9.0	20.7	990	7.56	↓	LOW		
1344	13.0	20.2	980	7.56	LT. BROWN	MODERATE		

Purge Date: 9/8/04

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
1351	21.6	980	7.60	5.48	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 9/8/04

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

SIGNATURE: Chuan Muir **DATE:** 9/8/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: CMT 1-Z1
PROJECT NO: BNC103
SAMPLED BY: C. Irwin
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 ____ 4.5 ____ 6 ____ 8 ____ Other CMT
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 45.5	Volume in Casing (gal): 8
Depth to Water (ft): 45.31	Calculated Purge (volumes / gal.):
Height of Water Column (ft): 0.19	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 X Other 1/4" FEP INERTIAL LIFT
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____ @ 45'

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1310								WELL DRY

Purge Date: 9/8/04

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 X Other 1/4" FEP INERTIAL LIFT @ 45'

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

Sheen: ____ Odor: ____ Sample Date: 9/8/04

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: WELL DRY. NO SAMPLES COLLECTED.

SIGNATURE: Chuck Irwin **DATE:** 9/8/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: CMT 1-22
PROJECT NO: BNC103
SAMPLED BY: C. Nuin
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 ____ 4.5 ____ 6 ____ 8 ____ Other CMT
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 60.6	Volume in Casing ~~(gal)~~ ml: 588
Depth to Water (ft): 45.91	Calculated Purge (volumes / ~~gal.~~ ml): 1176
Height of Water Column (ft): 14.69	Actual Pre-Sampling Purge (~~gal~~ ml): 1180

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 X Other 1/4" LDPE
Purge Water Containment: DRUMMED INERTIAL LIFT @ 59'
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume ~~(gallons)~~ ml	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1524	590	26.7	1070	7.90	GREY	VERY HIGH	MODERATE ODOR	DTW: 55.41'
1556	885	29.4	1100	7.88	↓	↓	SLIGHT ODOR	
1600	1180	28.2	1140	7.85	LT. BROWN ↓	↓	SLIGHT ODOR	WELL DRY DTW: 58.58'

Purge Date: 9/8/04

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 X Other 1/4" LDPE
INERTIAL LIFT @ 59'

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1630	28.1	1100	7.81	3.61	LT. BROWN	7999	

Sheen: NONE Odor: NONE Sample Date: 9/8/04

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

REMARKS: 40ml/4. 1543 DTW WAS 53.96'. REPLACED BOTTOM PART OF VALVE DUE TO BALL BEARING STICKING. @ 1549. WELL DRY AT 1600. DTW WAS 58.58'. WELL ALLOWED TO RECHARGE. AT 1611 DTW WAS 56.13', AT 1623 DTW WAS 53.14'. SAMPLES COLLECTED AT 1630. AT 1637 DTW WAS 56.48'. Attempted 2 Casing Volume Purge.

SIGNATURE: Chuck Nuin **DATE:** 9/8/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT 2-22
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 ___ 4.5 ___ 6 ___ 8 ___ Other CMT
GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 59.2	Volume in Casing ~~(gal)~~: 534
Depth to Water (ft): 45.87	Calculated Purge (volumes / ~~gal~~ ml): 1068
Height of Water Column (ft): 13.33	Actual Pre-Sampling Purge (~~gal~~ ml): 1070

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ___ Teflon Bailer ___ PVC Bailer ___ Disp. Bailer ___
PVC Hand Pump ___ Peristaltic Pump ~~X~~ ___ Centrifugal Pump ___ Bladder Pump ___
Pneumatic Displacement Pump ___ Electric Submersible Pump ___ Dedicated LDPE ¼" @ 58' Other INERTIAL LIFT
Purge Water Containment: DRUMMED
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ___

Time (2400 Hr)	Volume ~~(gallons)~~ ml	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1308	535	27.1	1020	7.33	LT. BROWN	VERY HIGH		
1316	805	29.1	1050	7.24	↓	↓		
1328	1070	26.2	1040	7.29	↓	↓		

Purge Date: 9/9/04

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 X Other ¼" LDPE INERTIAL LIFT @ 58'

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1324	26.6	1040	7.32	3.53	LT. BROWN	> 999	

Sheen: NONE Odor: NONE Sample Date: 9/9/04

Field Measurement Devices: Horiba H4 Omega ___ QuickCheck ___ D.O. Test Kit ___
REMARKS: 40ml/ft. 2 CASING VOLUME PURGE.

CALIBRATION ON 9/9/04 AT 1238. DO: AUTO; PH: 6.99; 9.97; TEMP: 27°C; COND: 0.2060; TURBID:

SIGNATURE: Chuck Muir DATE: 9/9/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART | SAMPLE ID: CMT 3 - Z2
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 ____ 4.5 ____ 6 ____ 8 ____ Other Cmt
GALLONS PER LINEAR FOOT: (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 54.7	Volume in Casing (~~gal~~) ml: 399
Depth to Water (ft): 44.73	Calculated Purge (volumes ml/~~gal~~.): 798
Height of Water Column (ft): 9.97	Actual Pre-Sampling Purge (~~gal~~) ml: 800

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 X Other 1/4" LDPE
Purge Water Containment: DRUMMED — INERTIAL LIFT @ 54'
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (~~gallons~~) ml	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1407	400	30.5	1010	7.49	LT. BROWN	VERY HIGH		
1413	600	29.3	970	7.31	↓	↓		
1422	800	30.0	980	7.35	↓	↓		

Purge Date: 9/9/04

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 X Other 1/4" LDPE
INERTIAL LIFT @ 54'

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1430	27.9	1000	7.31	3.47	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 9/9/04

Field Measurement Devices: Horiba U4 Omega ____ QuickCheck ____ D.O. Test Kit ____

REMARKS: 40ml/ft. 2 CASING VOLUME PURGE. COLLECTED 1 VOA @ 1430. HAD TO REPLACE LOWER PART OF VALVE DUE TO STICKING. HAVING TROUBLE EVEN WITH NEW BOTTOM VALVE. DTW AT 1450 WAS 44.78'. SECOND BOTTOM OF VALVE NOT SEATING HAD TO REPLACE. FINISHED SAMPLING AT 1510.

SIGNATURE: Chuck Muir DATE: 9/9/04

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: PWO090904
PROJECT NO: BNC103
SAMPLED BY: C. Muir
CLIENT: B-N-C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater Y Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): ____ 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 GRAB SAMPLE

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1553 ~~1553~~	35.4	1050	7.71	5.19	LT. BROWN	129	

Sheen: NONE Odor: SLIGHT Sample Date: 9/9/04

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

REMARKS: COLLECTED GRAB SAMPLE. DISCRETE SAMPLES OF PURGE WATER FROM DRUMS 090904-A + 090904-B WERE COLLECTED MIXED AND SAMPLED AS COMPOSITE SAMPLE PWO090904. SAMPLES COLLECTED USING CLEAN GLASS CONTAINERS AS TRANSFER CONTAINERS.

SIGNATURE: Chuck Muir DATE: 9/9/04

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

30 September, 2004

Kris Johnson
Conor Pacific
2580 Wyandotte St., Suite G
Mountain View, CA 94043

RE: B&C Gas Mini Mart
Work Order: P409193

Enclosed are the results of analyses for samples received by the laboratory on 09/10/04 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Shipman
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

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

Conor Pacific	Project B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	P409193-01	Water	09/07/04 16:10	09/10/04 14:00
MW-2	P409193-02	Water	09/08/04 10:54	09/10/04 14:00
MW-3	P409193-03	Water	09/08/04 11:37	09/10/04 14:00
MW-4	P409193-04	Water	09/08/04 12:39	09/10/04 14:00
MW-5	P409193-05	Water	09/08/04 09:16	09/10/04 14:00
MW-7	P409193-06	Water	09/08/04 14:55	09/10/04 14:00
MW-13	P409193-07	Water	09/08/04 14:28	09/10/04 14:00
D-2	P409193-08	Water	09/08/04 13:51	09/10/04 14:00
PW090904	P409193-09	Water	09/09/04 15:53	09/10/04 14:00
CMT1-Z2	P409193-10	Water	09/08/04 16:30	09/10/04 14:00
CMT2-Z2	P409193-11	Water	09/09/04 13:24	09/10/04 14:00
CMT3-Z2	P409193-12	Water	09/09/04 14:30	09/10/04 14:00

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	Reported:
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P409193-01) Water Sampled: 09/07/04 16:10 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	**12000**	250	ug/l	5	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
MW-2 (P409193-02) Water Sampled: 09/08/04 10:54 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	**4600**	50	ug/l	1	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
MW-3 (P409193-03) Water Sampled: 09/08/04 11:37 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	**490**	50	ug/l	1	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*99 %*	*65-135*		"	"	"	"	
MW-4 (P409193-04) Water Sampled: 09/08/04 12:39 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*65-135*		"	"	"	"	
MW-5 (P409193-05) Water Sampled: 09/08/04 09:16 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	**18000**	1000	ug/l	20	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*65-135*		"	"	"	"	
MW-7 (P409193-06) Water Sampled: 09/08/04 14:55 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	**2100**	250	ug/l	5	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*97 %*	*65-135*		"	"	"	"	
MW-13 (P409193-07) Water Sampled: 09/08/04 14:28 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*98 %*	*65-135*		"	"	"	"	

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Petaluma, CA 94954
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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-2 (P409193-08) Water Sampled: 09/08/04 13:51 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4090384	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*96 %*	*65-135*		"	"	"	"	
CMT1-Z2 (P409193-10) Water Sampled: 09/08/04 16:30 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4090385	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*82 %*	*65-135*		"	"	"	"	
CMT2-Z2 (P409193-11) Water Sampled: 09/09/04 13:24 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4090385	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
CMT3-Z2 (P409193-12) Water Sampled: 09/09/04 14:30 Received: 09/10/04 14:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4090385	09/16/04	09/16/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*84 %*	*65-135*		"	"	"	"	

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Petaluma, CA 94954
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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	Reported:
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Purgeables by EPA Method 624

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
PW090904 (P409193-09) Water	**Sampled: 09/09/04 15:53**	**Received: 09/10/04 14:00**							
Dichlorodifluoromethane	ND	2.5	ug/l	5	4090501	09/21/04	09/21/04	EPA 624	
Benzene	**10**	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Freon 113	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**22**	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	**11**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*86-119*		"	"	"	"	

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Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	**Reported:**
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P409193-01RE1) Water Sampled: 09/07/04 16:10 Received: 09/10/04 14:00									
Benzene	**34**	5.0	ug/l	10	4090474	09/20/04	09/20/04	EPA 8260B	
Ethylbenzene	**100**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**7.6**	5.0	"	"	"	"	"	"	
Toluene	**5.9**	5.0	"	"	"	"	"	"	
Xylenes (total)	**510**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*84-119*	"	"	"	"	
MW-2 (P409193-02) Water Sampled: 09/08/04 10:54 Received: 09/10/04 14:00									
Benzene	**300**	10	ug/l	20	4090495	09/20/04	09/21/04	EPA 8260B	
Ethylbenzene	**250**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**41**	10	"	"	"	"	"	"	
Toluene	**25**	10	"	"	"	"	"	"	
Xylenes (total)	**88**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*92 %*		*84-119*	"	"	"	"	
MW-3 (P409193-03) Water Sampled: 09/08/04 11:37 Received: 09/10/04 14:00									
Benzene	**4.1**	1.0	ug/l	2	4090495	09/20/04	09/21/04	EPA 8260B	
Ethylbenzene	**2.7**	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**16**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**1.0**	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*96 %*		*84-119*	"	"	"	"	

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Petaluma, CA 94954
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FAX (707) 792-0342
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Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager.Kris Johnson	09/30/04 17:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (P409193-04) Water Sampled: 09/08/04 12:39 Received: 09/10/04 14:00									
Benzene	ND	0.50	ug/l	1	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.1**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*84-119*		"	"	"	"	
MW-5 (P409193-05) Water Sampled: 09/08/04 09:16 Received: 09/10/04 14:00									
Benzene	**1500**	50	ug/l	100	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	**1600**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**840**	50	"	"	"	"	"	"	
Toluene	**130**	50	"	"	"	"	"	"	
Xylenes (total)	**410**	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*84-119*		"	"	"	"	
MW-7 (P409193-06) Water Sampled: 09/08/04 14:55 Received: 09/10/04 14:00									
Benzene	**20**	10	ug/l	20	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	**70**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**35**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*84-119*		"	"	"	"	

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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	Reported:
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-13 (P409193-07) Water Sampled: 09/08/04 14:28 Received: 09/10/04 14:00									
Benzene	ND	0.50	ug/l	1	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.6**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*84-119*		"	"	"	"	
D-2 (P409193-08) Water Sampled: 09/08/04 13:51 Received: 09/10/04 14:00									
Benzene	ND	0.50	ug/l	1	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*84-119*		"	"	"	"	
CMT1-Z2 (P409193-10) Water Sampled: 09/08/04 16:30 Received: 09/10/04 14:00									
Benzene	ND	0.50	ug/l	1	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.72**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*84-119*		"	"	"	"	

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Petaluma, CA 94954
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Conor Pacific	Project B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number.BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT2-Z2 (P409193-11) Water	**Sampled: 09/09/04 13:24**	**Received: 09/10/04 14:00**							
Benzene	ND	0.50	ug/l	1	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.83**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*84-119*		"	"	"	"	
CMT3-Z2 (P409193-12) Water	**Sampled: 09/09/04 14:30**	**Received: 09/10/04 14:00**							
Benzene	ND	0.50	ug/l	1	4090464	09/19/04	09/20/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.8**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*84-119*		"	"	"	"	

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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	Reported:
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Purgeable Hydrocarbons 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 4090384 - EPA 5030B, waters										
Blank (4090384-BLK1)				Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*298*		"	*300*		*99*	*65-135*			
Laboratory Control Sample (4090384-BS1)				Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	2540	50	ug/l	2750		92	65-135			
Surrogate: 4-Bromofluorobenzene	*306*		"	*300*		*102*	*65-135*			
Matrix Spike (4090384-MS1)	**Source: P409190-03**			Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	2400	50	ug/l	2750	26	86	65-135			
Surrogate: 4-Bromofluorobenzene	*305*		"	*300*		*102*	*65-135*			
Matrix Spike Dup (4090384-MSD1)	**Source: P409190-03**			Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	2440	50	ug/l	2750	26	88	65-135	2	20	
Surrogate: 4-Bromofluorobenzene	*303*		"	*300*		*101*	*65-135*			
Batch 4090385 - EPA 5030B, waters										
Blank (4090385-BLK1)				Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*267*		"	*300*		*89*	*65-135*			
Laboratory Control Sample (4090385-BS1)				Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	2780	50	ug/l	2750		101	65-135			
Surrogate: 4-Bromofluorobenzene	*278*		"	*300*		*93*	*65-135*			
Matrix Spike (4090385-MS1)	**Source: P409205-01**			Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	2790	50	ug/l	2750	16	101	65-135			
Surrogate: 4-Bromofluorobenzene	*274*		"	*300*		*91*	*65-135*			

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Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

Purgeable Hydrocarbons 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 4090385 - EPA 5030B, waters										
Matrix Spike Dup (4090385-MSD1)	**Source: P409205-01**			Prepared & Analyzed: 09/16/04						
Gasoline Range Organics (C6-C10)	2730	50	ug/l	2750	16	99	65-135	2	20	
Surrogate: 4-Bromofluorobenzene	*272*		"	*300*		*91*	*65-135*			

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Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4090501 - EPA 5030B waters										
Blank (4090501-BLK1)			Prepared & Analyzed: 09/21/04							
Dichlorodifluoromethane	ND	0.50	ug/l							
Benzene	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Freon 113	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Xylenes (total)	ND	1.0	"							

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Conor Pacific	Project: B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number: BNC103	Reported:
Mountain View CA, 94043	Project Manager: Kris Johnson	09/30/04 17:24

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4090501 - EPA 5030B waters										
Blank (4090501-BLK1)				Prepared & Analyzed: 09/21/04						
Surrogate: Dibromofluoromethane	*5.04*		*ug/l*	*5.00*		*101*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.87*		*"*	*5.00*		*97*	*74-135*			
Surrogate: Toluene-d8	*4.74*		*"*	*5.00*		*95*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.19*		*"*	*5.00*		*104*	*86-119*			
Laboratory Control Sample (4090501-BS1)				Prepared & Analyzed: 09/21/04						
Benzene	19.8	1.0	ug/l	20.0		99	37-151			
Bromodichloromethane	20.6	1.0	"	20.0		103	35-155			
Bromoform	23.0	1.0	"	20.0		115	45-169			
Bromomethane	4.36	1.0	"	20.0		22	0.1-242			
Carbon tetrachloride	21.9	1.0	"	20.0		110	70-140			
Chlorobenzene	21.4	1.0	"	20.0		107	37-160			
Chloroethane	19.3	1.0	"	20.0		96	14-230			
Chloroform	20.6	1.0	"	20.0		103	51-138			
Chloromethane	20.0	1.0	"	20.0		100	0.1-273			
Dibromochloromethane	23.1	1.0	"	20.0		116	53-149			
1,2-Dichlorobenzene	21.0	1.0	"	20.0		105	18-190			
1,3-Dichlorobenzene	21.0	1.0	"	20.0		105	59-156			
1,4-Dichlorobenzene	20.5	1.0	"	20.0		102	18-190			
1,1-Dichloroethane	20.5	1.0	"	20.0		102	59-155			
1,2-Dichloroethane	19.4	1.0	"	20.0		97	49-155			
1,1-Dichloroethene	21.1	1.0	"	20.0		106	0.1-234			
trans-1,2-Dichloroethene	21.5	1.0	"	20.0		108	54-156			
1,2-Dichloropropane	20.6	1.0	"	20.0		103	0.1-210			
cis-1,3-Dichloropropene	21.7	1.0	"	20.0		108	0.1-227			
trans-1,3-Dichloropropene	21.3	1.0	"	20.0		106	17-183			
Ethylbenzene	21.9	1.0	"	20.0		110	37-162			
Methylene chloride	19.4	1.0	"	20.0		97	0.1-221			
Methyl tert-butyl ether	19.1	1.0	"	20.0		96	70-130			
1,1,2,2-Tetrachloroethane	17.8	1.0	"	20.0		89	46-157			
Tetrachloroethene	22.0	1.0	"	20.0		110	64-148			
Toluene	19.6	1.0	"	20.0		98	47-150			
1,1,2-Trichloroethane	20.9	1.0	"	20.0		104	52-150			
1,1,1-Trichloroethane	22.2	1.0	"	20.0		111	52-162			
Trichloroethene	20.6	1.0	"	20.0		103	71-157			
Trichlorofluoromethane	20.5	1.0	"	20.0		102	17-181			

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Petaluma, CA 94954
(707) 792-1865
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Conor Pacific	Project B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4090501 - EPA 5030B waters										
Laboratory Control Sample (4090501-BS1)				Prepared & Analyzed: 09/21/04						
Vinyl chloride	20.4	1.0	ug/l	20.0		102	0 1-251			
Surrogate: Dibromofluoromethane	*4.78*		"	*5.00*		*96*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.61*		"	*5.00*		*92*	*74-135*			
Surrogate: Toluene-d8	*4.78*		"	*5.00*		*96*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.58*		"	*5.00*		*92*	*86-119*			
Matrix Spike (4090501-MS1)	**Source: P409251-01**			Prepared & Analyzed: 09/21/04						
Benzene	21 0	1 0	ug/l	20.0	ND	105	37-151			
Bromodichloromethane	21.6	1.0	"	20.0	ND	108	35-155			
Bromoform	25.6	1.0	"	20 0	ND	128	45-169			
Bromomethane	4.49	1.0	"	20.0	ND	22	0.1-242			
Carbon tetrachloride	23.8	1.0	"	20 0	ND	119	70-140			
Chlorobenzene	22.7	1.0	"	20.0	ND	114	37-160			
Chloroethane	18.5	1.0	"	20.0	ND	92	14-230			
Chloroform	22 0	1 0	"	20.0	ND	110	51-138			
Chloromethane	18.5	1.0	"	20.0	ND	92	0.1-273			
Dibromochloromethane	24 9	1.0	"	20 0	ND	124	53-149			
1,2-Dichlorobenzene	22.9	1.0	"	20.0	ND	114	18-190			
1,3-Dichlorobenzene	22.7	1.0	"	20.0	ND	114	59-156			
1,4-Dichlorobenzene	22.1	1.0	"	20.0	ND	110	18-190			
1,1-Dichloroethane	21.7	1.0	"	20.0	ND	108	59-155			
1,2-Dichloroethane	20.5	1.0	"	20.0	ND	102	49-155			
1,1-Dichloroethene	22.5	1 0	"	20.0	ND	112	0.1-234			
trans-1,2-Dichloroethene	22.7	1.0	"	20.0	ND	114	54-156			
1,2-Dichloropropane	21.8	1.0	"	20.0	ND	109	0.1-210			
cis-1,3-Dichloropropene	22.8	1.0	"	20.0	ND	114	0.1-227			
trans-1,3-Dichloropropene	22.9	1.0	"	20.0	ND	114	17-183			
Ethylbenzene	23.2	1.0	"	20.0	ND	116	37-162			
Methylene chloride	20.4	1.0	"	20.0	ND	102	0.1-221			
Methyl tert-butyl ether	20 9	1 0	"	20 0	ND	104	70-130			
1,1,2,2-Tetrachloroethane	19.8	1.0	"	20.0	ND	99	46-157			
Tetrachloroethene	23.7	1.0	"	20.0	ND	118	64-148			
Toluene	20 9	1.0	"	20.0	ND	104	47-150			
1,1,2-Trichloroethane	22.2	1.0	"	20.0	ND	111	52-150			
1,1,1-Trichloroethane	23.5	1.0	"	20 0	ND	118	52-162			
Trichloroethene	21 9	1.0	"	20.0	ND	110	71-157			

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Petaluma, CA 94954
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Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager.Kris Johnson	09/30/04 17:24

Purgeables by EPA Method 624 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4090501 - EPA 5030B waters										
Matrix Spike (4090501-MS1)	**Source: P409251-01**			Prepared & Analyzed: 09/21/04						
Trichlorofluoromethane	19.9	1.0	ug/l	20.0	ND	100	17-181			
Vinyl chloride	19.4	1.0	"	20.0	ND	97	0.1-251			
Surrogate: Dibromofluoromethane	*5.01*		"	*5.00*		*100*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.80*		"	*5.00*		*96*	*74-135*			
Surrogate: Toluene-d8	*4.75*		"	*5.00*		*95*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.72*		"	*5.00*		*94*	*86-119*			

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Petaluma, CA 94954
(707) 792-1865
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Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number.BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

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 4090464 - EPA 5030B waters										
Blank (4090464-BLK1)				Prepared & Analyzed: 09/19/04						
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0 50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate. Dibromofluoromethane	*5.09*		"	*5 00*		*102*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.98*		"	*5.00*		*100*	*74-135*			
Surrogate: Toluene-d8	*4.99*		"	*5.00*		*100*	*84-119*			
Laboratory Control Sample (4090464-BS1)				Prepared & Analyzed: 09/19/04						
Benzene	5 40	0.50	ug/l	5.00		108	81-118			
Ethylbenzene	5 72	0.50	"	5.00		114	89-122			
Methyl tert-butyl ether	5.25	0.50	"	5.00		105	77-123			
Toluene	5.31	0.50	"	5.00		106	84-119			
Xylenes (total)	16.6	0 50	"	15.0		111	86-132			
Surrogate: Dibromofluoromethane	*5.25*		"	*5.00*		*105*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.11*		"	*5.00*		*102*	*74-135*			
Surrogate: Toluene-d8	*5.09*		"	*5.00*		*102*	*84-119*			
Matrix Spike (4090464-MS1)	**Source: P409193-01**			Prepared & Analyzed: 09/19/04						
Benzene	67.2	5.0	ug/l	50.0	17	100	81-118			
Ethylbenzene	104	5.0	"	50.0	49	110	89-122			
Methyl tert-butyl ether	56.1	5.0	"	50.0	4.6	103	77-123			
Toluene	53.9	5 0	"	50 0	3.0	102	84-119			
Xylenes (total)	406	5.0	"	150	250	104	86-132			
Surrogate: Dibromofluoromethane	*6 16*		"	*5.00*		*123*	*84-122*			*S04*
Surrogate: 1,2-Dichloroethane-d4	*6.09*		"	*5 00*		*122*	*74-135*			
Surrogate: Toluene-d8	*6.35*		"	*5.00*		*127*	*84-119*			*S04*

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Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
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Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number BNC103	Reported:
Mountain View CA, 94043	Project Manager Kris Johnson	09/30/04 17:24

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 4090464 - EPA 5030B waters										
Matrix Spike Dup (4090464-MSD1)	**Source: P409193-01**			Prepared & Analyzed: 09/19/04						
Benzene	66.9	5.0	ug/l	50.0	17	100	81-118	0.4	20	
Ethylbenzene	104	5.0	"	50.0	49	110	89-122	0	20	
Methyl tert-butyl ether	56.6	5.0	"	50.0	4.6	104	77-123	0.9	20	
Toluene	53.9	5.0	"	50.0	3.0	102	84-119	0	20	
Xylenes (total)	414	5.0	"	150	250	109	86-132	2	20	
Surrogate: Dibromofluoromethane	*5.54*		"	*5.00*		*111*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.37*		"	*5.00*		*107*	*74-135*			
Surrogate: Toluene-d8	*5.74*		"	*5.00*		*115*	*84-119*			
Batch 4090474 - EPA 5030B waters										
Blank (4090474-BLK1)				Prepared & Analyzed: 09/20/04						
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*5.10*		"	*5.00*		*102*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.76*		"	*5.00*		*95*	*74-135*			
Surrogate: Toluene-d8	*5.07*		"	*5.00*		*101*	*84-119*			
Laboratory Control Sample (4090474-BS1)				Prepared & Analyzed: 09/20/04						
Benzene	1.05	0.50	ug/l	1.00		105	81-118			
Ethylbenzene	1.14	0.50	"	1.00		114	89-122			
Methyl tert-butyl ether	0.948	0.50	"	1.00		95	77-123			
Toluene	0.975	0.50	"	1.00		98	84-119			
Xylenes (total)	3.05	0.50	"	3.00		102	86-132			
Surrogate: Dibromofluoromethane	*4.49*		"	*5.00*		*90*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.21*		"	*5.00*		*84*	*74-135*			
Surrogate: Toluene-d8	*4.52*		"	*5.00*		*90*	*84-119*			

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1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
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Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project: B&C Gas Mini Mart Project Number: BNC103 Project Manager: Kris Johnson	P409193 **Reported:** 09/30/04 17:24

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 4090474 - EPA 5030B waters										
Laboratory Control Sample Dup (4090474-BSD1)				Prepared & Analyzed: 09/20/04						
Benzene	1.04	0.50	ug/l	1 00		104	81-118	1	20	
Ethylbenzene	1 07	0.50	"	1.00		107	89-122	6	20	
Methyl tert-butyl ether	0 922	0.50	"	1 00		92	77-123	3	20	
Toluene	1.07	0.50	"	1.00		107	84-119	9	20	
Xylenes (total)	3.12	0 50	"	3 00		104	86-132	2	20	
Surrogate: Dibromofluoromethane	*4.95*		"	*5.00*		*99*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.51*		"	*5.00*		*90*	*74-135*			
Surrogate: Toluene-d8	*4.89*		"	*5.00*		*98*	*84-119*			
Batch 4090495 - EPA 5030B waters										
Blank (4090495-BLK1)				Prepared & Analyzed: 09/20/04						
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0 50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.52*		"	*5.00*		*90*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.20*		"	*5.00*		*84*	*74-135*			
Surrogate: Toluene-d8	*4.34*		"	*5.00*		*87*	*84-119*			
Blank (4090495-BLK2)				Prepared & Analyzed: 09/21/04						
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0 50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*5.04*		"	*5.00*		*101*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.87*		"	*5.00*		*97*	*74-135*			
Surrogate: Toluene-d8	*4.74*		"	*5.00*		*95*	*84-119*			

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

Conor Pacific	Project:B&C Gas Mini Mart	P409193
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	09/30/04 17:24

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 4090495 - EPA 5030B waters										
Laboratory Control Sample (4090495-BS1)				Prepared & Analyzed: 09/20/04						
Benzene	0.995	0.50	ug/l	1.00		100	81-118			
Ethylbenzene	0.957	0.50	"	1 00		96	89-122			
Methyl tert-butyl ether	0.927	0.50	"	1.00		93	77-123			
Toluene	0.947	0.50	"	1.00		95	84-119			
Xylenes (total)	2.89	0.50	"	3.00		96	86-132			
Surrogate: Dibromofluoromethane	*4.81*		"	*5.00*		*96*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.58*		"	*5.00*		*92*	*74-135*			
Surrogate: Toluene-d8	*4.52*		"	*5.00*		*90*	*84-119*			
Laboratory Control Sample (4090495-BS2)				Prepared & Analyzed: 09/21/04						
Benzene	0.951	0 50	ug/l	1.00		95	81-118			
Ethylbenzene	0.973	0.50	"	1 00		97	89-122			
Methyl tert-butyl ether	0 845	0.50	"	1 00		84	77-123			
Toluene	0 930	0 50	"	1.00		93	84-119			
Xylenes (total)	2 80	0.50	"	3.00		93	86-132			
Surrogate: Dibromofluoromethane	*4.99*		"	*5.00*		*100*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.66*		"	*5 00*		*93*	*74-135*			
Surrogate: Toluene-d8	*4.84*		"	*5.00*		*97*	*84-119*			
Matrix Spike (4090495-MS2)	**Source: P409282-05**			Prepared & Analyzed: 09/21/04						
Benzene	0 992	0.50	ug/l	1 00	ND	99	81-118			
Ethylbenzene	1 01	0.50	"	1.00	ND	101	89-122			
Methyl tert-butyl ether	1 01	0 50	"	1.00	ND	101	77-123			
Toluene	0.982	0 50	"	1.00	ND	98	84-119			
Xylenes (total)	2.81	0.50	"	3.00	ND	94	86-132			
Surrogate: Dibromofluoromethane	*4.80*		"	*5.00*		*96*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.45*		"	*5.00*		*89*	*74-135*			
Surrogate: Toluene-d8	*4.57*		"	*5.00*		*91*	*84-119*			

Sequoia Analytical

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

Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project:B&C Gas Mini Mart Project Number.BNC103 Project Manager Kris Johnson	P409193 **Reported:** 09/30/04 17:24

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 4090495 - EPA 5030B waters										
Matrix Spike Dup (4090495-MSD2)	**Source: P409282-05**			Prepared & Analyzed: 09/21/04						
Benzene	0.991	0.50	ug/l	1.00	ND	99	81-118	0 1	20	
Ethylbenzene	0 972	0.50	"	1 00	ND	97	89-122	4	20	
Methyl tert-butyl ether	1 04	0.50	"	1.00	ND	104	77-123	3	20	
Toluene	1.01	0.50	"	1.00	ND	101	84-119	3	20	
Xylenes (total)	2.82	0.50	"	3 00	ND	94	86-132	0.4	20	
Surrogate: Dibromofluoromethane	*4.89*		"	*5.00*		*98*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.83*		"	*5.00*		*97*	*74-135*			
Surrogate: Toluene-d8	*4.83*		"	*5.00*		*97*	*84-119*			

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Conor Pacific 2580 Wyandotte St., Suite G Mountain View CA, 94043	Project B&C Gas Mini Mart Project Number:BNC103 Project Manager.Kris Johnson	P409193 **Reported:** 09/30/04 17:24

Notes and Definitions

S04	The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Conor Pacific | **EFW**

CHAIN OF CUSTODY

Quotation No. A

PROJECT NO.:	SITE NAME:
BNC103	BP/C GAS MINI MART
SAMPLER(S): C. MUIR (printed)	C. Muir (signature)
CONTRACT LABORATORY: ~~SEQUOIA~~ PETALUMA	
TURN-AROUND TIME: STANDARD	

EDD required? [X] Yes [ ] No

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info	Type/Vol.	Filter	Preserv.	TPH GAS	BTEX BY EPA 8260	MTBE BY EPA 8260	601/602	Cont. Qty.	Remarks
							VOA 40	N	HCl						
MW-1		9/7/04	1610	WATER			3	3					P409193-1	6	PROVIDE EDF.
MW-2		9/8/04	1054				3	3					2	6	
MW-3		9/8/04	1137				3	3					3	6	ADD THE LOCID (WELL ID)
MW-4			1239				3	3					4	6	TO THE EDF SENT TO
MW-5			916				3	3					5	6	THE STATE.
MW-7			1455				3	3					6	6	
MW-13			1428				3	3					7	6	FOR 601/602 ANALYSIS
D-2			1351				3	3	Zn				8	6	INCLUDE MTBE
PW090904		9/9/04	1553						3				9	3	RESULTS.

Relinquished by: (signature)	Received by: (signature)	Date/Time:
C. Muir		9-10-04 1100
Relinquished by: (signature)	Received by: (signature)	Date/Time: 9/10/04 1400
Relinquished by: (signature)	Received by: (signature)	Date/Time:

SEND RESULTS TO:

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

white: lab copy yellow: project file

Conor Pacific / EFW

Page 1 of 1

CHAIN OF CUSTODY

Quotation No. —

PROJECT NO.: BNC103

SITE NAME: B-N-C GASMINI MART

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

CONTRACT LABORATORY: SEQUOIA - PETALUMA

TURN-AROUND TIME: STANDARD

EDD required? ☒ Yes ☐ No

ANALYSES: TPH GAS; BTEX BY EPA 8260 / MTBE BY EPA 8260

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info	TPH GAS	BTEX BY EPA 8260 / MTBE BY EPA 8260	Cont. Qty.	Remarks
						Type/Vol.	VOA 40	VOA 40		
						Filter	N	N		
						Preserv.	HCl	HCl		
~~CMT1-Z1~~				WATER			~~3~~	~~3~~	~~6~~	PROVIDE EDF.
CMT1-Z2	P409193-10	9/8/04	1630	↓			3	3	6	
CMT2-Z2	11	9/9/04	1324	↓			3	3	6	ADD THE LOCID (WELL ID)
CMT3-Z2	12	↓	1430	↓			3	3	6	TO THE EDF SENT TO
										THE STATE.
										FOR CMT1-Z1 NO
										SAMPLE COLLECTED.
										WELL DRY.

Relinquished by: (signature)	Received by: (signature)	Date/Time:
C. Muir	[signature]	9-10-04 1100
Relinquished by: (signature)	Received by: (signature) A Lorenzo	Date/Time: 9/10/04 1400
Relinquished by: (signature)	Received by: (signature)	Date/Time:

SEND RESULTS TO:

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

white: lab copy yellow: project file

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Conor Pacific
REC. BY (PRINT): ACL
WORKORDER: 405993

DATE Received at Lab: 9-10-04
TIME Received at Lab: 1400
LOG IN DATE: 9-10-04

(Drinking water) for regulatory purposes: YES/NO
(Wastewater) for regulatory purposes: YES/NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	Dash #	CLIENT ID	CONTAINER DESCRIPTION	pH	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			MW-1	6xpv		W	9-7	
				2				9-8	
				3					
2. Chain-of-Custody	Present / Absent*			4					
3. Airbill:	Airbill / Sticker Present / Absent			5					
				7					
4. Airbill #:				13					
5. Sample Labels:	Present / Absent			D-2					
6. Sample IDs:	Listed / Not Listed on Chain-of-Custody			PW090904	3xpv			9/9	
				CMTB-22	6xpv			9-8	
7. Sample Condition:	Intact / Broken* / Leaking*			2 22				9-9	
				3 22					
8. Does information on custody reports, traffic reports, and sample labels agree?	Yes / No*								
9. Sample received within hold time:	Yes / No*								
10. Proper Preservatives used:	Yes / No*								
11. Temperature Blank Received?	Yes / No								
12. Temp Rec. at Lab:	4.0 degrees C								
(Acceptance range for samples requiring thermal pres.:4+/-2°C)	Yes / No*								
13. Samples collected more than 4 days ago?	Yes */ No								

*If Circled, contact Project Manager and attach record of resolution.

Sample Receipt Log
Revision 2.2 (8/30/04)
Replaces Revision 2.1 (11/10/00)
Effective 9/1/04

FIGURE 6b

APPENDIX C

Historical Groundwater Elevations and Analytical Results

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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		
		08/04/03	34.15	449.92		
		11/24/03	34.49	449.58		
	483.68	02/16/04	27.54	456.14		
		06/21/04	32.26	451.42		
		09/07/04	36.53	447.15		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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-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		
		08/04/03	33.87	449.99		
		11/24/03	34.29	449.57		
		02/16/04	27.77	456.09		
		06/21/04	32.48	451.38		
		09/07/04	36.69	447.17		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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		
		08/04/03	32.02	452.22		
		11/24/03	33.32	450.92		
		02/16/04	26.93	457.31		
		06/21/04	31.78	452.46		
		09/07/04	35.83	448.41		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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-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		
		08/04/03	33.60	451.44		
		11/24/03	34.04	451.00		
		02/16/04	27.75	457.29		
		06/21/04	32.39	452.65		
		09/07/04	36.51	448.53		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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		
		08/04/03	33.51	448.46		
		11/24/03	34.31	447.66		
		02/16/04	27.47	454.50		
		06/21/04	31.91	450.06		
		09/07/04	35.83	446.14		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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-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		
		08/04/03	NM*	NM		
		11/24/03	NM*	NM		
		02/16/04	27.61	456.32		
		06/21/04	NM*	NM		
		09/07/04	NM*	NM		
MW-7	478.14	07/12/99	28.37	449.77		
		09/27/99	30.20	447.94		
		12/20/99	32.44	445.70		
		03/21/00	24.18	453.96		
		06/21/00	26.70	451.44		
		09/12/00	29.28	448.86		
		12/07/00	30.23	447.91		
		03/21/01	29.39	448.75		
		06/02/01	34.38	443.76		
		09/16/02	37.05	441.09		
		12/23/02	31.47	446.67		
		03/18/03	31.39	446.75		
		06/09/03	30.48	447.66		
		08/04/03	33.95	444.19		
		11/24/03	33.98	444.16		
		02/16/04	27.76	450.38		
		06/21/04	32.68	445.46		
		09/07/04	36.77	441.37		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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	07/12/99	34.29	438.94		
		09/27/99	37.11	436.12		
		12/20/99	39.79	433.44		
		03/21/00	29.10	444.13		
		06/21/00	31.90	441.33		
		09/12/00	35.75	437.48		
		12/07/00	36.88	436.35		
		03/21/01	35.25	437.98		
		06/02/01	41.78	431.45		
		09/16/02	43.32	429.91		
		12/23/02	38.28	434.95		
		03/18/03	38.28	434.95		
		06/09/03	36.49	436.74		
		08/04/03	40.15	433.08		
		11/24/03	39.85	433.38		
		02/16/04	31.82	441.41		
		06/21/04	39.04	434.19		
		09/07/04	42.92	430.31		
MW-9	477.08	07/12/99	30.71	446.37		
		09/27/99	32.61	444.47		
		12/20/99	34.99	442.09		
		03/21/00	26.75	450.33		
		06/21/00	29.28	447.80		
		09/12/00	31.65	445.43		
		12/07/00	32.67	444.41		
		03/21/01	31.47	445.61		
		06/02/01	37.40	439.68		
		09/16/02	39.13	437.95		
		12/23/02	33.89	443.19		
		03/18/03	33.66	443.42		
		06/09/03	32.65	444.43		
		08/04/03	36.09	440.99		
		11/24/03	36.03	441.05		
		02/16/04	29.61	447.47		
		06/21/04	34.97	442.11		
		09/07/04	38.82	438.26		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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-10	471.42	07/12/99	34.60	436.82		
		09/27/99	37.62	433.80		
		12/20/99	40.04	431.38		
		03/21/00	29.50	441.92		
		06/21/00	32.19	439.23		
		09/12/00	36.19	435.23		
		12/07/00	37.24	434.18		
		03/21/01	35.77	435.65		
		06/02/01	42.25	429.17		
		09/16/02	44.03	427.39		
		12/23/02	39.02	432.40		
		03/18/03	38.40	433.02		
		06/09/03	37.34	434.08		
		08/04/03	40.78	430.64		
		11/24/03	40.18	431.24		
		02/16/04	32.19	439.23		
		06/21/04	39.45	431.97		
		09/07/04	43.43	427.99		
MW-11	464.93	07/12/99	31.00	433.93		
		09/27/99	33.83	431.10		
		12/20/99	35.91	429.02		
		03/21/00	26.41	438.52		
		06/21/00	28.79	436.14		
		09/12/00	32.56	432.37		
		12/07/00	33.40	431.53		
		03/21/01	31.92	433.01		
		06/20/01	38.24	426.69		
		09/16/02	39.87	425.06		
		12/23/02	35.54	429.39		
		03/18/03	34.32	430.61		
		06/09/03	33.65	431.28		
		08/04/03	37.05	427.88		
		11/24/03	36.29	428.64		
		02/16/04	28.75	436.18		
		06/21/04	35.60	429.33		
		09/07/04	39.87	425.06		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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	07/12/99	25.50	432.84		
		09/27/99	28.28	430.06		
		12/20/99	30.26	428.08		
		03/21/00	20.70	437.64		
		06/21/00	23.11	435.23		
		09/12/00	27.04	431.30		
		12/07/00	27.67	430.67		
		03/21/01	26.24	432.10		
		06/20/01	32.89	425.45		
		09/16/02	34.63	423.71		
		12/23/02	29.84	428.50		
		03/18/03	28.64	429.70		
		06/09/03	28.06	430.28		
		08/04/03	31.58	426.76		
		11/24/03	30.68	427.66		
		02/16/04	22.98	435.36		
		06/21/04	30.14	428.20		
		09/07/04	34.56	423.78		
MW-13	474.79	07/12/99	30.65	444.14		
		09/27/99	32.74	442.05		
		12/20/99	34.98	439.81		
		03/21/00	26.03	448.76		
		06/21/00	28.74	446.05		
		09/12/00	31.62	443.17		
		12/07/00	32.71	442.08		
		03/21/01	31.25	443.54		
		06/20/01	36.55	438.24		
		09/16/02	38.98	435.81		
		12/23/02	33.39	441.40		
		03/18/03	33.44	441.35		
		06/09/03	32.24	442.55		
		08/04/03	35.60	439.19		
		11/24/03	35.60	439.19		
		02/16/04	29.25	445.54		
		06/21/04	34.90	439.89		
		09/07/04	38.75	436.04		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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)
D-1	464.70	07/12/99	30.67	434.03		
		09/27/99	35.32	429.38		
		12/20/99	36.32	428.38		
		03/21/00	27.84	436.86		
		06/21/00	30.40	434.30		
		09/12/00	34.11	430.59		
		12/07/00	33.97	430.73		
		03/21/01	32.32	432.38		
		06/20/01	41.80	422.90		
		09/16/02	43.53	421.17		
		12/23/02	37.23	427.47		
		03/18/03	35.50	429.20		
		06/09/03	36.20	428.50		
		08/04/03	39.53	425.17		
		11/24/03	35.13	429.57		
		02/16/04	29.36	435.34		
		06/21/04	38.28	426.42		
		09/07/04	42.30	422.40		
D-2	457.61	07/12/99	25.72	431.89		
		09/27/99	28.44	429.17		
		12/20/99	29.40	428.21		
		03/21/00	20.91	436.70		
		06/21/00	23.56	434.05		
		09/12/00	27.23	430.38		
		12/07/00	27.98	429.63		
		03/21/01	25.42	432.19		
		06/20/01	34.97	422.64		
		09/16/02	34.80	422.81		
		12/23/02	30.34	427.27		
		03/18/03	28.63	428.98		
		06/09/03	29.35	428.26		
		08/04/03	32.65	424.96		
		11/24/03	28.23	429.38		
		02/16/04	22.53	435.08		
		06/21/04	31.46	426.15		
		09/07/04	35.42	422.19		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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	477.08	04/19/89	43.50	433.58		
		05/01/89	42.74	434.34		
		08/01/89	43.86	433.22		
		09/01/89	45.35	431.73		
		11/02/89	46.39	430.69		
		02/02/90	45.36	431.72		
		05/02/90	42.58	434.50		
	477.79	03/06/91	41.25	436.54		
		05/02/91	40.05	437.74		
		08/07/91	53.79	424.00		
		11/05/91	59.25	418.54		
		02/21/92	59.27	418.52		
		05/04/92	54.47	423.32		
		02/12/93	52.02	425.77		
		05/04/93	39.42	438.37		
		02/23/95	33.10	444.69		
		04/28/95	26.40	451.39		0.06
		06/02/95	26.16	451.63		0.01
		06/30/95	27.06	450.73		0.01
		07/25/95	28.55	449.24		0.05
		08/07/95	29.49	448.30		0.04
		08/11/95	29.81	447.98		0.03
		08/14/95	29.75	448.04		
		08/16/95	29.95	447.84		
		08/21/96	30.34	447.45		
		08/24/95	30.62	447.17		
		09/13/95	31.92	445.87		
		09/21/95	32.53	445.26		0.18
		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		
		08/04/03	38.01	439.78		
		11/24/03	38.01	439.78		
		02/16/04	31.22	446.57		
		06/21/04	37.12	440.67		
		09/07/04	40.92	436.87		

Table C-1
Historical Groundwater Elevations in Single-Screen Wells
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)

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 - Single-Screen Wells

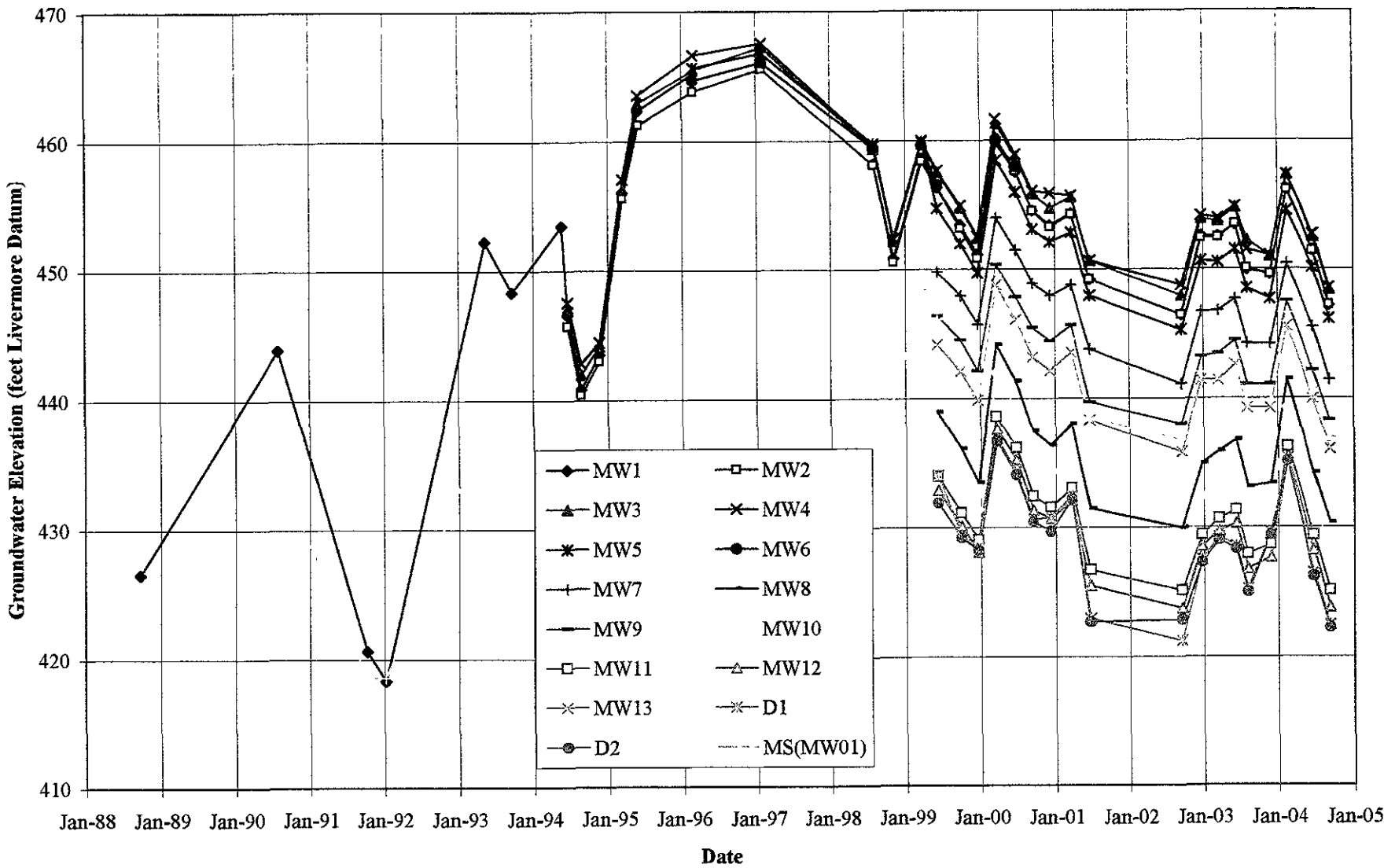

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
B&C Gas Mini Mart
Livermore, California

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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (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	06/09/03	6,700	52	32	110	460	4.7	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-1	08/04/03	2,700	150	32	97	450	43	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-1	11/25/03	11,000	27	17	29	140	4.2	<0.5	<0.5	<1	<5,000	<1	<1	<1,000	NA	NA
MW-1	02/17/04	7,200	250	23	210	220	360	<0.5	<0.5	<1	<100	<1	4.6	<20	NA	NA
MW-1	06/22/04	4,800	4.9	1.1	28	110	<0.5	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
MW-1	09/07/04	12,000	34.0	5.9	100	510	7.6	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
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

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
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
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	<40	<2,000	352	27.5
MW-2	06/10/03	12,000	650	94	1,100	570	280	<50	<50	<100	<10,000	<100	<100	<2,000	NA	NA
MW-2	08/04/03	12,000	300	56	450	230	61	<12	<12	<25	<2,500	<25	<25	<500	NA	NA
MW-2	11/25/03	6,500	310	63	520	180	47	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-2	02/16/04	8,700	590	35	1,200	240	640	<2.5	<2.5	<5	<500	<5	6.1	<100	NA	NA
MW-2	06/21/04	1,200	57	5.5	49	15	13	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-2	09/08/04	4,600	300	25.0	250	88	41	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
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

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
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	<1	<50	**24.1**	**7.57**
MW-3	06/09/03	**870**	**79**	**5.3**	**13**	**10**	**180**	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-3	08/04/03	**530**	**7**	<2.5	**6.8**	**4**	**19**	<2.5	<2.5	<5	<500	<5	<5	<100	NA	NA
MW-3	11/26/03	**970**	**33**	<2.5	**7.2**	**5.7**	**190**	<2.5	<2.5	<5	<500	<5	<5	<100	NA	NA
MW-3	02/18/04	**460**	**8.8**	**0.74**	**4.0**	**2.6**	**32**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-3	06/22/04	**230**	**1.3**	<0.5	**1.2**	**0.59**	**7.4**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
MW-3	09/08/04	**490**	**4.1**	<0.5	**2.7**	**1.0**	**16**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20	NA	NA
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	**0.69**	<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
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	<50	<1	<0.5
MW-4	06/09/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-4	08/04/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-4	11/26/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-4	02/18/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-4	06/23/04	<50	<0.5	<0.5	<0.5	<0.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	09/08/04	<50	<0.5	<0.5	<0.5	<0.5	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA
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

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
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	<1	<50	**620**	**35.2**
MW-5	06/10/03	**23,000**	**770**	<100	**1,000**	**680**	**350**	<100	<100	<200	<20,000	<200	<200	<4,000	NA	NA
MW-5	08/05/03	**17,000**	**1,200**	**100**	**930**	**500**	**980**	<25	<25	<50	<5,000	<50	<50	<1,000	NA	NA
MW-5	11/24/03	**18,000**	**1,300**	**120**	**1,300**	**420**	**690**	<50	<50	<100	<10,000	<100	<100	<2,000	NA	NA
MW-5	02/16/04	**17,000**	**1,000**	**57**	**1,300**	**860**	**360**	<2.5	<2.5	<5	<500	<5	**13**	<100	NA	NA
MW-5	06/21/04	**18,000**	**1,200**	**<50**	**1,300**	**330**	**410**	<50	<50	<100	<10,000	<100	<100	<2,000	NA	NA
MW-5	09/08/04	**18,000**	**1,500**	**130**	**1,600**	**410**	**840**	<50	<50	<100	<10,000	<100	<100	<2,000	NA	NA
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
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-6	08/04/03	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-6	11/24/03	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*
MW-6	02/16/04	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	<1	<50	<2	<1
MW-7	06/11/03	**170**	**1.0**	<1	**1.8**	<1	**4.7**	<1	<1	<2	<200	<2	<2	<40	NA	NA
MW-7	08/05/03	**330**	**2.9**	<0.5	**3.9**	<0.5	**11**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-7	11/25/03	**1,400**	**18**	**1.6**	**17**	**1.3**	**43**	<0.5	<0.5	<1	<100	<1	**1.1**	<20	NA	NA
MW-7	02/17/04	**210**	**1.1**	<0.5	**2.0**	<0.5	**5.1**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-7	06/23/04	**1,500**	**32**	<10	**35**	<10	**80**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	09/08/04	**2,100**	**20**	<10	**70**	<10	**35**	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	<1	<50	<2	<1

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-8	06/11/03	<50	<0.5	<0.5	<0.5	<0.5	**5.4**	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-8	08/05/03	<50	<2.5	<2.5	<2.5	<2.5	**23**	<2.5	<2.5	<5	<500	<5	<5	<100	NA	NA
MW-8	11/25/03	<50	<0.5	<0.5	<0.5	<0.5	**1.7**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-8	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
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
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	<50	<1	<0.5
MW-9	06/09/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-9	08/05/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-9	11/25/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-9	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
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	<50	<1	<1
MW-10	06/09/03	<50	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-10	08/05/03	<50	<0.5	<0.5	<0.5	<0.5	**6.5**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-10	11/25/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-10	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
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	<50	<1	<1
MW-11	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-11	08/05/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-11	11/25/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-11	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
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
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	<50	<1	<1
MW-12	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-12	08/05/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-12	11/24/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-12	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
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	**0.73**	<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

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
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	<50	<1	<1
MW-13	06/11/03	**77**	**4.0**	<0.5	<0.5	<0.5	**28**	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
MW-13	08/05/03	**240**	**8.4**	<5	<5	<5	**65**	<5	<5	<10	<1,000	<10	<10	<200	NA	NA
MW-13	11/25/03	**170**	**5.6**	<0.5	<0.5	<0.5	**67**	<0.5	<0.5	<1	<100	<1	**1**	<20	NA	NA
MW-13	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	**2.5**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
MW-13	06/23/04	<50	**0.86**	<0.5	<0.5	<0.5	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	09/08/04	<50	<0.5	<0.5	<0.5	<0.5	**4.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	<50	<1	<1
D-1	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
D-1	08/05/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
D-1	11/25/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
D-1	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
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 - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (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	<50	<1	<1
D-2	06/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<0.5	NA	NA
D-2	08/05/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
D-2	11/24/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
D-2	02/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA
D-2	06/23/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
D-2	09/08/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
(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	<2	<40	NA	NA
(MS)MW-1	08/05/03	**1,900**	**25**	<10	**55**	<10	<10	<10	<10	<20	<2,000	<20	<20	<400	NA	NA
(MS)MW-1	11/24/03	**3,000**	**31**	**2.6**	**61**	**7.4**	**8.7**	<2.5	<2.5	<5	<500	<5	<5	<100	NA	NA
(MS)MW-1	02/17/04	**5,700**	**28**	**2.3**	**48**	**4.5**	**8.9**	<0.5	<0.5	<1	<100	<1	<1	<20	NA	NA

Notes on last page.

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (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	**1.2**	**137**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8-51'	06/18/99	<50	<0.5	<0.5	**0.514**	**0.611**	**137**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8-56'	06/18/99	<50	<0.5	<0.5	<0.5	<0.5	**7.93**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hydropunch Samples																
G-1	08/11/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-1	10/11/95	**380**	**61**	**1**	<0.5	**2**	**80**	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-2	10/11/95	**14**	**3**	<0.5	<0.5	<0.5	**9**	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-3	10/11/95	**92,000**	**11,000**	**18,000**	**2,200**	**11,000**	**18,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-4	10/11/95	**8,000**	**46**	**24**	**8**	**28**	**150**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-01	08/11/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-01	09/13/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-02	08/14/95	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-03	08/11/95	<50	**10**	<0.5	<0.5	<0.5	**26**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-04	08/14/95	<50	**9.2**	<0.5	<0.5	**4.8**	**29**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-05	08/11/95	<50	**1,300**	**270**	**43**	**350**	**14,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-05	08/16/95	<50	**340**	<0.5	<0.5	**80**	**4,800**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-06	08/14/95	<50	**7,700**	**1,100**	**120**	**800**	**67,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-07	08/11/95	<50	**3,200**	**820**	**740**	**1,900**	**14,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-07	09/13/95	<50	**2,800**	**77**	**280**	**510**	**11,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-08	08/11/95	<50	**3,000**	**89**	**140**	**230**	**15,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
H-08	09/13/95	<50	**2,200**	**61**	**42**	**120**	**8,000**	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

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
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)	TAME (ug/l)	TBA (ug/l)	n,p-Xylene (ug/l)	o-Xylene (ug/l)
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**	**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
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, Well MW-6 not sampled due to an obstruction at approximately 28.5 feet below top of casing
** = 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

Table C-3
Groundwater Elevations in Multi-Level Wells - Historical
B & C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
			August 11, 2003		August 12, 2003		August 13, 2003		August 18, 2003		August 19, 2003		August 21, 2003	
CMT-1	Z1	469.51	41.81	427.70	42.18	427.33	42.61	426.90	43.03	426.48	43.06	426.45	NM	NM
	Z2		42.75	426.76	43.69	425.82	43.63	425.88	44.05	425.46	43.97	425.54	NM	NM
	Z3		43.34	426.17	43.48	426.03	43.54	425.97	43.81	425.70	43.85	425.66	NM	NM
	Z4		42.76	426.75	43.22	426.29	42.77	426.74	42.93	426.58	43.07	426.44	NM	NM
	Z5		42.79	426.72	42.73	426.78	42.76	426.75	43.04	426.47	43.05	426.46	NM	NM
	Z6		42.94	426.57	42.88	426.63	43.33	426.18	43.29	426.22	43.34	426.17	NM	NM
	Z7		45.38	424.13	45.51	424.00	45.55	423.96	45.90	423.61	45.93	423.58	NM	NM
CMT-2	Z1	470.14	NM	NM	34.48	435.66	34.94	435.20	36.12	434.02	43.33	426.81	NM	NM
	Z2		NM	NM	40.80	429.34	42.37	427.77	43.20	426.94	43.14	427.00	NM	NM
	Z3		NM	NM	NM	NM	43.34	426.80	43.55	426.59	43.67	426.47	NM	NM
	Z4		NM	NM	43.04	427.10	43.06	427.08	43.25	426.89	43.42	426.72	NM	NM
	Z5		NM	NM	43.01	427.13	43.06	427.08	43.23	426.91	43.71	426.43	NM	NM
	Z6		NM	NM	43.10	427.04	43.17	426.97	43.31	426.83	43.52	426.62	NM	NM
	Z7		NM	NM	43.49	426.65	43.54	426.60	43.92	426.22	44.11	426.03	NM	NM
CMT-3	Z1	473.44	NM	NM	NM	NM	NM	NM	40.42	433.02	41.51	431 93	NM	NM
	Z2		NM	NM	NM	NM	NM	NM	42.46	430.98	42.49	430.95	NM	NM
	Z3		NM	NM	NM	NM	NM	NM	43.45	429.99	43.68	429.76	NM	NM
	Z4		NM	NM	NM	NM	NM	NM	45.64	427.80	45.78	427.66	NM	NM
	Z5		NM	NM	NM	NM	NM	NM	45.55	427.89	46.25	427.19	NM	NM
	Z6		NM	NM	NM	NM	NM	NM	45.75	427.69	45.86	427.58	NM	NM
	Z7		NM	NM	NM	NM	NM	NM	46.28	427.16	46.37	427.07	NM	NM
CMT-4	Z1	483.38	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	24.83	458.55
	Z2		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.10	450.28
	Z3		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.57	449.81
	Z4		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.82	449.56
	Z5		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.80	449.58
	Z6		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	39.95	443.43
	Z7		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	41.54	441.84

Notes:
MSL = mean sea level
NM = not measured

Table C-3
Groundwater Elevations in Multi-Level Wells - Historical
B & C Gas Mini Mart
Livermore, California

Well No.	Zone No.	Top-of-Casing Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
			November 24, 2003		February 16, 2004		June 21, 2004		September 7, 2004	
CMT-1	Z1	469.51	41.77	427.74	32.97	436.54	40.62	428.89	45.29	424.22
	Z2		41.89	427.62	34.44	435.07	41.52	427.99	45.89	423.62
	Z3		41.84	427.67	34.34	435.17	41.55	427.96	45.83	423.68
	Z4		39.27	430.24	32.89	436.62	41.04	428.47	45.20	424.31
	Z5		39.20	430.31	32.85	436.66	41.07	428 44	45.46	424.05
	Z6		39.25	430.26	32.96	436.55	41.17	428.34	45.30	424.21
	Z7		40.85	428.66	34.18	435.33	43.72	425.79	47.79	421.72
CMT-2	Z1	470.14	41.45	428.69	31.68	438.46	39.55	430.59	Dry	Dry
	Z2		41.62	428.52	34.10	436.04	41.37	428.77	44.58	425.56
	Z3		41.60	428.54	34.13	436.01	41.40	428.74	45.75	424.39
	Z4		39.71	430.43	33.25	436.89	41.30	428.84	46.60	423.54
	Z5		39.89	430.25	33.18	436.96	41.29	428.85	47.71	422.43
	Z6		39.59	430.55	33.27	436.87	41.45	428.69	47.86	422.28
	Z7		39.68	430.46	33.43	436.71	41.76	428.38	48.33	421.81
CMT-3	Z1	473.44	40.92	432.52	32.83	440.61	39.85	433.59	Dry	Dry
	Z2		40.88	432.56	32.91	440.53	37.65	435.79	44.58	428.86
	Z3		41.99	431.45	34.20	439.24	41.28	432.16	45.75	427.69
	Z4		42.21	431.23	35.43	438.01	41.82	431.62	46.60	426.84
	Z5		43.03	430.41	35.63	437.81	42.52	430.92	47.71	425.73
	Z6		42.64	430.80	35.63	437.81	43.77	429.67	47.86	425.58
	Z7		43.53	429.91	35.27	438.17	43.38	430.06	48.33	425.11
CMT-4	Z1	483.38	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	Z2		33.92	449.46	27.45	455.93	31.96	451.42	35.94	447.44
	Z3		33.64	449.74	27.09	456.29	31.76	451.62	35.88	447.50
	Z4		33.55	449.83	27.13	456.25	31.87	451.51	36.00	447.38
	Z5		33.64	449.74	27.11 [1]	456.27	31.85	456.27	35.99	456.27
	Z6		38.44	444.94	31.57	451.81	37.35	446.03	42.13	441.25
	Z7		40.82	442.56	32.50	450.88	38.00	445.38	42.63	440.75

Notes:
MSL = mean sea level
NM = not measured

Table C-4
Historical Groundwater Analytical Results for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well No.	Zone 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)
CMT-1	Z1	8/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Z1	12/3/2003	<50	<0.5	**0.56**	<0.5	<0.5	**7.5**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z1	2/18/2004	<50	<0.5	**0.60**	<0.5	<0.5	**6.3**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z1	6/23/2004	<50	<0.5	<0.5	<0.5	<0.5	**1.8**	-	-	-	-	-	-	-
	Z2	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	**2.9**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	**2.1**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	**2.2**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	6/22/2004	<50	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	9/8/2004	<50	<0.5	<0.5	<0.5	<0.5	**0.72**	NS	NS	NS	NS	NS	NS	NS
	Z3	8/11/2003	<50	<0.5	<0.5	<0.5	<0.5	**0.59**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/3/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1		<20
	Z3	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	8/14/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	12/3/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	8/12/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	8/12/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	8/13/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20

Table C-4
Historical Groundwater Analytical Results for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well No.	Zone 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)

Table C-4
Historical Groundwater Analytical Results for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well No.	Zone 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)
CMT-2	Z1	8/19/2003	<50	<0.5	<0.5	<0.5	<0.5	**2.8**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z1	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z1	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	**38**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	**49**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	2/19/2004	<50	<0.5	<0.5	<0.5	<0.5	**2.9**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	6/22/2004	<50	<0.5	<0.5	<0.5	<0.5	**2.7**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	9/9/2004	<50	<0.5	<0.5	<0.5	<0.5	**0.83**	NS	NS	NS	NS	NS	NS	NS
	Z3	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	2/19/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	12/2/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	8/19/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	12/3/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20

Table C-4
Historical Groundwater Analytical Results for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well No.	Zone 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)
CMT-3	Z1	8/19/2003	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Z1	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	**7.6**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z1	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	**34**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	12/9/2003	<50	<0.5	<0.5	<0.5	<0.5	**2.3**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	**4.2**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z2	6/22/2004	<50	<0.5	<0.5	<0.5	<0.5	**2.9**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z2	9/9/2004	<50	<0.5	<0.5	<0.5	<0.5	**1.8**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
	Z3	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	**2.6**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	8/18/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	12/4/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	8/18/2003	<50	<0.5	**0.56**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	12/9/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	8/19/2003	<50	<0.5	**0.51**	<0.5	<0.5	**0.56**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	12/9/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	8/21/2003	<50	<0.5	<0.5	<0.5	<0.5	**1.0**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	12/9/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20

Table C-4
Historical Groundwater Analytical Results for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well No.	Zone 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)
CMT-4	Z1	8/18/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Z1	12/1/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Z2	8/21/2003	**430**	**20**	**21**	<2.5	**9.1**	**12**	<2.5	<2.5	<5	<500	<5	<5	<100
	Z2	12/2/2003	**32,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Z2	2/18/2004	**7,100**	**3,000**	**1,200**	**180**	**690**	**3,300**	<5	<5	<10	<1,000	<10	**120**	<200
	Z3	8/21/2003	**170**	**4.8**	**17**	**7.8**	**35**	**2.0**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	12/1/2003	**110**	**15**	**11**	**3.9**	**6.6**	**1.6**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z3	2/19/2004	**130**	**23**	**19**	**1.3**	**5.0**	**0.75**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	8/21/2003	**94**	**1.6**	**5.0**	**1.6**	**10**	**1.2**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	12/1/2003	<50	**2.8**	**3.5**	<0.5	**0.84**	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z4	2/18/2004	**93**	**23**	**25**	**2.0**	**7.1**	0.60	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	8/21/2003	**130**	**1.3**	**3.9**	**1.3**	**17**	**0.73**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	12/1/2003	<50	<0.5	**0.52**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z5	2/19/2004	<50	**0.74**	**1.5**	<0.5	**0.81**	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	8/21/2003	**140**	**6.0**	**8.8**	**0.63**	**41**	**3.7**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	12/1/2003	<50	<0.5	<0.5	<0.5	**0.59**	**0.57**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z6	2/18/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	8/21/2003	**220**	**4.7**	**8.0**	**1.2**	**43**	**2.9**	<0.5	<0.5	<1	<100	<1	<1	<20
	Z7	12/1/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<100	<1	<1	<20

Notes on next page.

Table C-4
Historical Groundwater Analytical Results for Multi-Level Wells
B&C Gas Mini Mart
Livermore, California

Well No.	Zone 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)

Notes:

µg/L = micrograms per liter

TPH-G = total petroleum hydrocarbons as gasoline

NA = not analyzed because of insufficient water present to collect required sample

NS = not sampled because of insufficient water present to collect sample

< = less than the laboratory reporting limit

Dashes indicate sampling was not required during the current monitoring event.

The following points were not scheduled to be sampled during first quarter 2004: CMT-1 (Z4, Z5, Z6, Z7), CMT-2 (Z4, Z5, Z6, Z7), CMT-3 (Z4, Z5, Z6, Z7), and CMT-4 (Z1, Z7)