R0278

SECOND 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

July 2004

Project BNC 103

Conor Pacific | **EFW**

Transmittal

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

From: Katrin Schliewen

Date: July 29, 2004

Proj. No.: BNC103

Copies	Description	Sent by:
2	Second Quarter 2004 Groundwater Monitoring Results, B&C Gas Mini Mart, 2008 First Street, Livermore, California (Station ID 1689)	☒ *Regular Mail* ☐ *FedEx* ☐ *Courier* ☐ *Other*

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cc:

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

Conor Pacific

July 29, 2004
Project No. BNC103

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

Re: Second 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 second 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 four zones of the 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.

SITE INFORMATION

Site Name & Contact

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

Site Description

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

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 a cement sand slurry. In October 1995, two additional monitoring wells (off-site well MW-5 and well MW-6) were installed for the B&C site (Figure 2).

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[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."

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

Over the time period monitored, the absorbent socks have removed sufficient product to reduce the free product thickness to a sheen or less. During the four sampling events in 2000, free product was not measured in well MW-5 and sampling was conducted. However, free product was observed during the purging of well MW-5 during the March and June 2001 sampling events, and so the absorbent sock was replaced in the well and groundwater samples were not collected. During the September 2002 sampling event, the absorbent sock was above the groundwater surface (the lowest water levels measured to date were measured during this sampling event); the sock was re-installed and 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 all site wells. No measurable free product was observed. However, sheen was observed during the purging of wells MW-1, MW-2, and MW-5. A moderate to strong hydrocarbon odor was detected in these wells during purging.

A slight odor, but no sheen, was noted during the purging of wells MW-3 and MW-7, and zone 2 of CMT-1 and CMT-2.

Groundwater Elevations

On June 21, 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 February 2004, current groundwater elevations are approximately 4.4 to 4.9 feet lower in on-site wells and 5.4 to 9 feet lower in downgradient wells. Groundwater elevations measured in the two deep zone monitoring wells (D-1 and D-2) are approximately 7 feet lower than were measured during the previous quarter. Groundwater flow generally is slightly north of west and the hydraulic gradient is approximately 0.014 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 June 21 through 23, 2004 (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-13, and D-2), and 4 of the 28 zones in the multi-level monitoring wells (zones 1 and 2 of CMT-1, and zone 2 of CMT-2 and CMT-3).

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.

Each zone in the multi-level wells 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 second quarter 2004 groundwater sampling event was completed, a composite sample was collected from the drummed purge water on June 23, 2004 (PW 062304). The purge water was discharged into a sewer clean-out line in accordance with City of Livermore Water Resources Division discharge permit no. 1514G (2003-2004). 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 PW 062304 contained a total organic compound concentration of approximately 37 µg/L (0.037 mg/L), well within the current permit conditions. The current discharge permit expires on July 23, 2004; an application has been submitted to the City of Livermore for a new discharge permit for the period of August 2004 through July 2005.

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) by EPA Method 8260B. During 2003 and first quarter 2004, samples also were analyzed for oxygenates (methyl tertiary-butyl ether [MTBE], 1,2-dibromoethane [EDB], 1,2-dichloroethane [EDC], di-isopropyl ether [DIPE], ethanol [EtOH], ethyl tert-butyl ether [ETBE], tert-amyl methyl ether [TAME], and tert-butyl alcohol [TBA]).[6] During second quarter 2004, analyses for oxygenates were not requested, however the laboratory provided oxygenate results for several samples in error. Oxygenate results are included in Table 4a and 4b.

Laboratory Quality Control

Laboratory analyses occurred within specified holding times, and generally within laboratory quality control standards. The following quality control issues were noted in the laboratory certified analytical reports (CARs). Several instances of surrogate recoveries exceeding the QC limits were noted. The reported MTBE concentration in the sample from well MW-7 may by biased high because the associated surrogate recovery exceeded the upper QC limit. A high bias is acceptable because the detected concentration can be considered a conservative result. For the sample from well D-2, the fact that surrogate recovery limits were exceeded during the BTEX and MTBE analysis do not impact the data quality because none of the compounds were detected. As a result of similarly exceeded surrogate recovery QC limits, the sample from Zone 1 in CMT-1 was re-analyzed for MTBE because the initially reported concentration was slightly above the reporting limit. A high bias for a concentration only slightly above the reporting limit may create a false positive result. Although the sample was re-analyzed for MTBE past the EPA recommended hold time; the result from the re-analysis is provided in Table 4b. The initial and re-analysis results were not significantly different.

Analytical Results

Analytical results for second 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

[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.

groundwater samples began in June 1995. Since then, concentrations of MTBE have decreased significantly, with the possible exception of well MW-7 where the highest MTBE concentration to date was detected this quarter. Seasonal changes in hydrocarbon concentrations are evident, probably a reflection of seasonal water level fluctuations.

During the current sampling event, other than MTBE, no fuel oxygenates were detected in any monitoring well. No hydrocarbons or fuel oxygenates were detected in upgradient monitoring well MW-4, and none were detected in downgradient monitoring well D-2.

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 from 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 benzene and MTBE were detected in well MW-13 (Tables 4a). The concentrations detected in the sample from well MW-7 are the 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 downgradient multi-level wells. With one exception, current MTBE values are the lowest reported to date. The result for zone 2 in CMT-3 is only slightly above the lowest MTBE concentration detected to date (Table 4b).

The recently installed 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 in zones 1 and/or 2 of each of the three downgradient multi-level wells. Recent results show MTBE concentrations ranging from 1.1 to 2.9 in this furthest downgradient area.

SUMMARY

A subset of the single-screen and multi-level monitoring wells were sampled during second quarter 2004. Current groundwater monitoring results from the single-screen wells are consistent with previous monitoring results; detected TPH-G, BTEX, and

MTBE concentrations continue to decline. Only well MW-7 exhibited somewhat higher hydrocarbon and MTBE concentrations, possibly a result of seasonal fluctuations.

The three multi-level wells recently 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.

Third quarter 2004 groundwater monitoring currently is scheduled for September 7-9, 2004.

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

Sincerely,
Conor Pacific

Katrin Schliewen
Project Hydrogeologist

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

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

Attachments:

Tables

Table 1a - Single-Screen Monitoring Well Constructions
Table 1b - Multi-Level Monitoring Well Constructions
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 – Second Quarter 2004
Table 3b - Groundwater Elevations in Multi-Level Wells – Second Quarter 2004
Table 4a - Groundwater Analytical Results in Single-Screen Wells – Second Quarter 2004
Table 4b - Groundwater Analytical Results in Multi-Level Wells – Second Quarter 2004

Figures

Figure 1 - Site Location
Figure 2 - Site Plan
Figure 3 - Well Locations and Groundwater Contours (June 2004)
Figure 4 - Groundwater Chemistry (June 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, CO2, Nitrate and Sulfate

Table 3a
Groundwater Elevations in Single-Screen Wells - Second 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)
		June 21, 2004		June 21, 2004	
MW-1 *	483.68	32.26	451.42	NM	NM
MW-2	483.86	32.48	451.38	NM	NM
MW-3	484.24	31.78	452.46	NM	NM
MW-4	485.04	32.39	452.65	NM	NM
MW-5	481.97	31.91	450.06	NM	NM
MW-6	483.93	NM	NM	NM	NM
MW-7	478.14	32.68	445.46	NM	NM
MW-8	473.23	39.04	434.19	NM	NM
MW-9	477.08	34.97	442.11	NM	NM
MW-10	471.42	39.45	431.97	NM	NM
MW-11	464.93	35.60	429.33	NM	NM
MW-12	458.34	30.14	428.20	NM	NM
MW-13	474.79	34.90	439.89	NM	NM
D-1	464.70	38.28	426.42	NM	NM
D-2	457.61	31.46	426.15	NM	NM
(MS)MW-1	477.79	37.12	440.67	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 - Second 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)
			June 21, 2004		June 21, 2004	
CMT-1	Z1	469.51	40.62	428.89	NM	NM
	Z2		41.52	427.99	NM	NM
	Z3		41.55	427.96	NM	NM
	Z4		41.04	428.47	NM	NM
	Z5		41.07	428.44	NM	NM
	Z6		41.17	428.34	NM	NM
	Z7		43.72	425.79	NM	NM
CMT-2	Z1	470.14	39.55	430.59	NM	NM
	Z2		41.37	428.77	NM	NM
	Z3		41.40	428.74	NM	NM
	Z4		41.30	428.84	NM	NM
	Z5		41.29	428.85	NM	NM
	Z6		41.45	428.69	NM	NM
	Z7		41.76	428.38	NM	NM
CMT-3	Z1	473.44	39.85	433.59	NM	NM
	Z2		37.65	435.79	NM	NM
	Z3		41.28	432.16	NM	NM
	Z4		41.82	431.62	NM	NM
	Z5		42.52	430.92	NM	NM
	Z6		43.77	429.67	NM	NM
	Z7		43.38	430.06	NM	NM
CMT-4	Z1	483.38	Dry	Dry	Dry	Dry
	Z2		31.96	451.42	NM	NM
	Z3		31.76	451.62	NM	NM
	Z4		31.87	451.51	NM	NM
	Z5		31.85	456.27	NM	NM
	Z6		37.35	446.03	NM	NM
	Z7		38.00	445.38	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 - Second 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)	1,2-Dibromoethane (µg/L)	1,2-Dichloroethane (µg/L)	Di-isopropyl ether (µg/L)	Ethanol (µg/L)	Ethyl tert-butyl ether (µg/L)	tert-Amyl methyl ether (µg/L)	tert-Butyl alcohol (µg/L)
MW-1	6/22/2004	**4,800**	**4.9**	**1.1**	**28**	**110**	<0.5	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
MW-2	6/21/2004	**1,200**	**57**	**5.5**	**49**	**15**	**13**	<5	<5	<10	<1,000	<10	<10	<200
MW-3	6/22/2004	**230**	**1.3**	<0.5	**1.2**	**0.59**	**7.4**	<0.5	<0.5	<0.5	<100	<0.5	<0.5	<20
MW-4	6/23/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	6/21/2004	**18,000**	**1,200**	<50	**1,300**	**330**	**410**	<50	<50	<100	<10,000	<100	<100	<2,000
MW-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	6/23/2004	**1,500**	**32**	<10	**35**	<10	**80**	-	-	-	-	-	-	-
MW-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	6/23/2004	<50	**0.86**	<0.5	<0.5	<0.5	**12**	-	-	-	-	-	-	-
D-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D-2	6/23/2004	<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 were reported by the laboratory.

Table 4b
Groundwater Analytical Results in Multi-Level Wells - Second 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-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	6/23/2004	<50	<0.5	<0.5	<0.5	<0.5	~~1.8~~ 2.1	-	-	-	-	-	-	-
	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
	Z3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMT-2	Z1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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
	Z3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Z7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CMT-3	Z1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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
	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 - Second 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-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:

CMT = continuous multi-channel tubing

µg/L = micrograms per liter

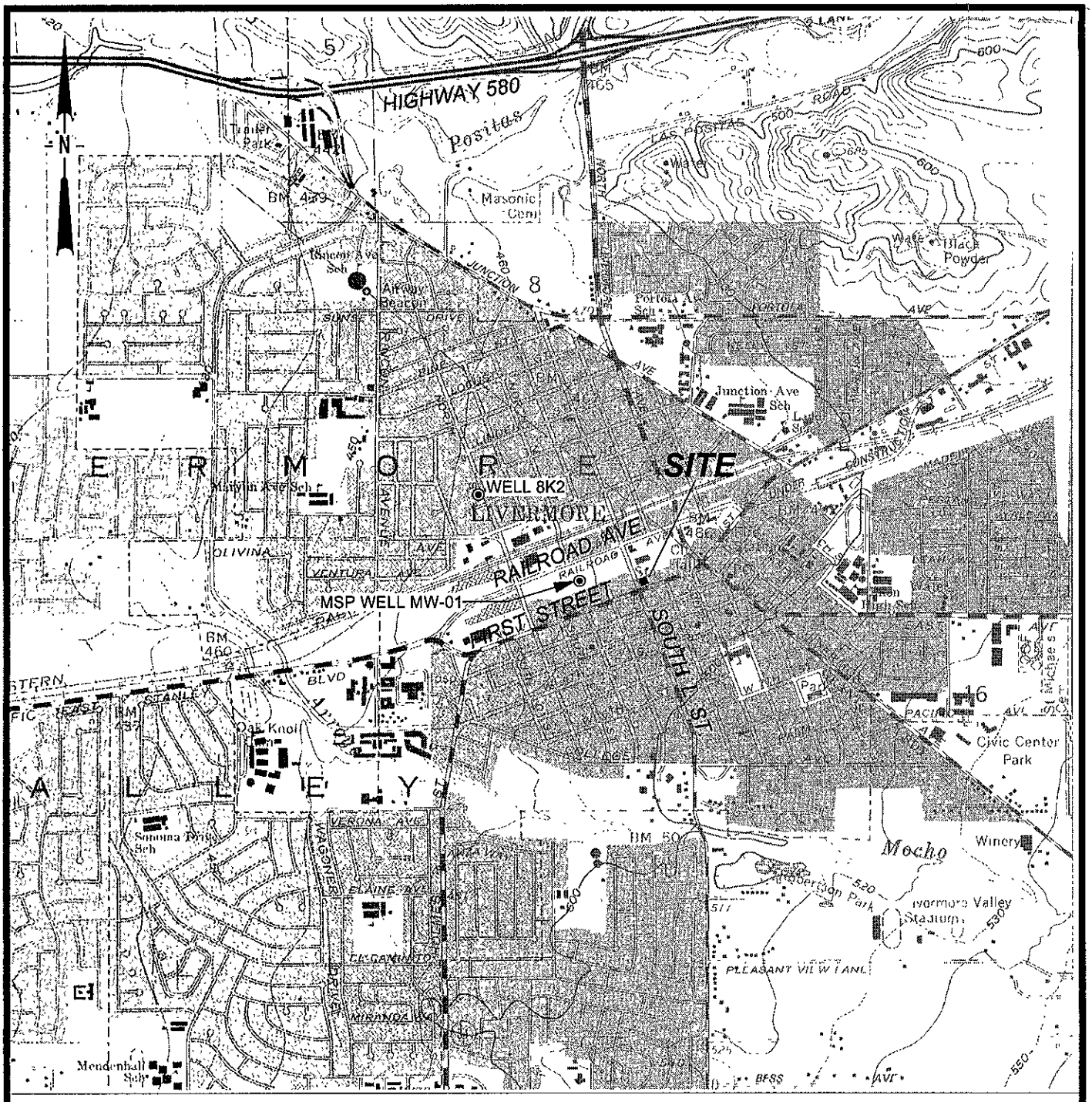
TPH-G = total petroleum hydrocarbons as gasoline

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 and results were reported by the laboratory.

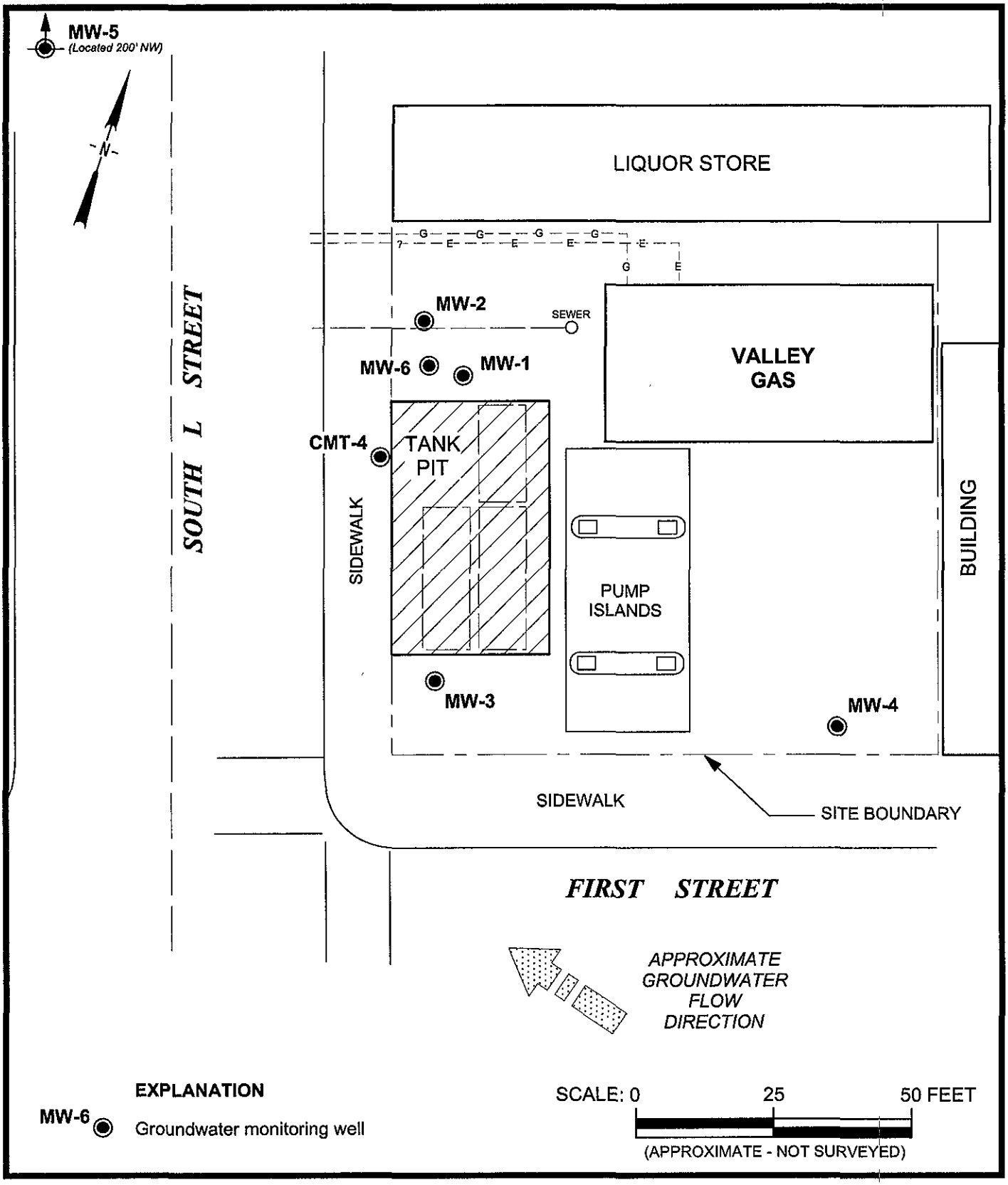


Base map: USGS 7.5' topography, Livermore, California (1961; photorevised 1980)

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*	FIGURE 1
	SITE LOCATION MAP	PROJECT NO. BNC103



Conor Pacific EFW

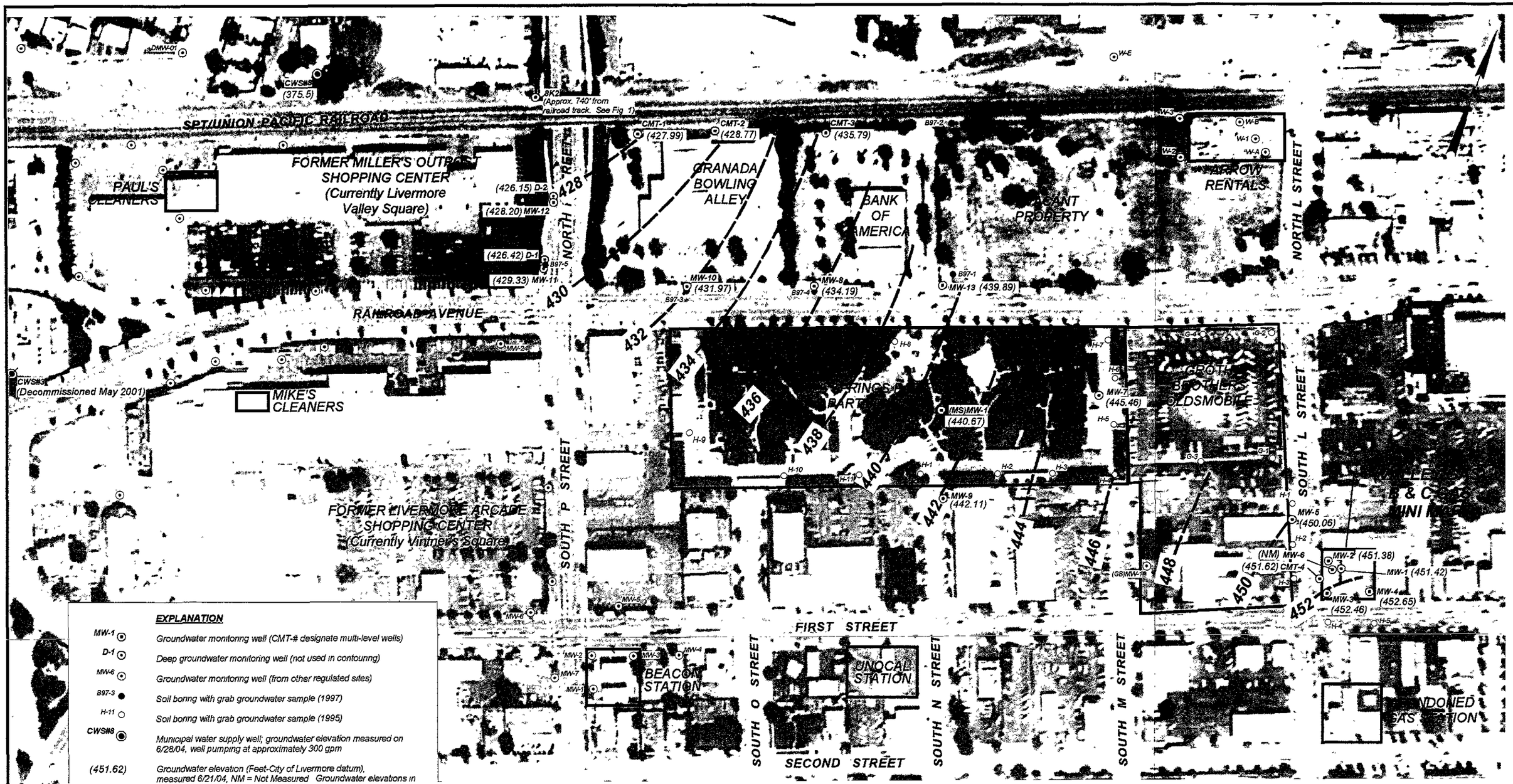
GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORINA

SITE PLAN

FIGURE
2

PROJECT NO.
BNC103

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



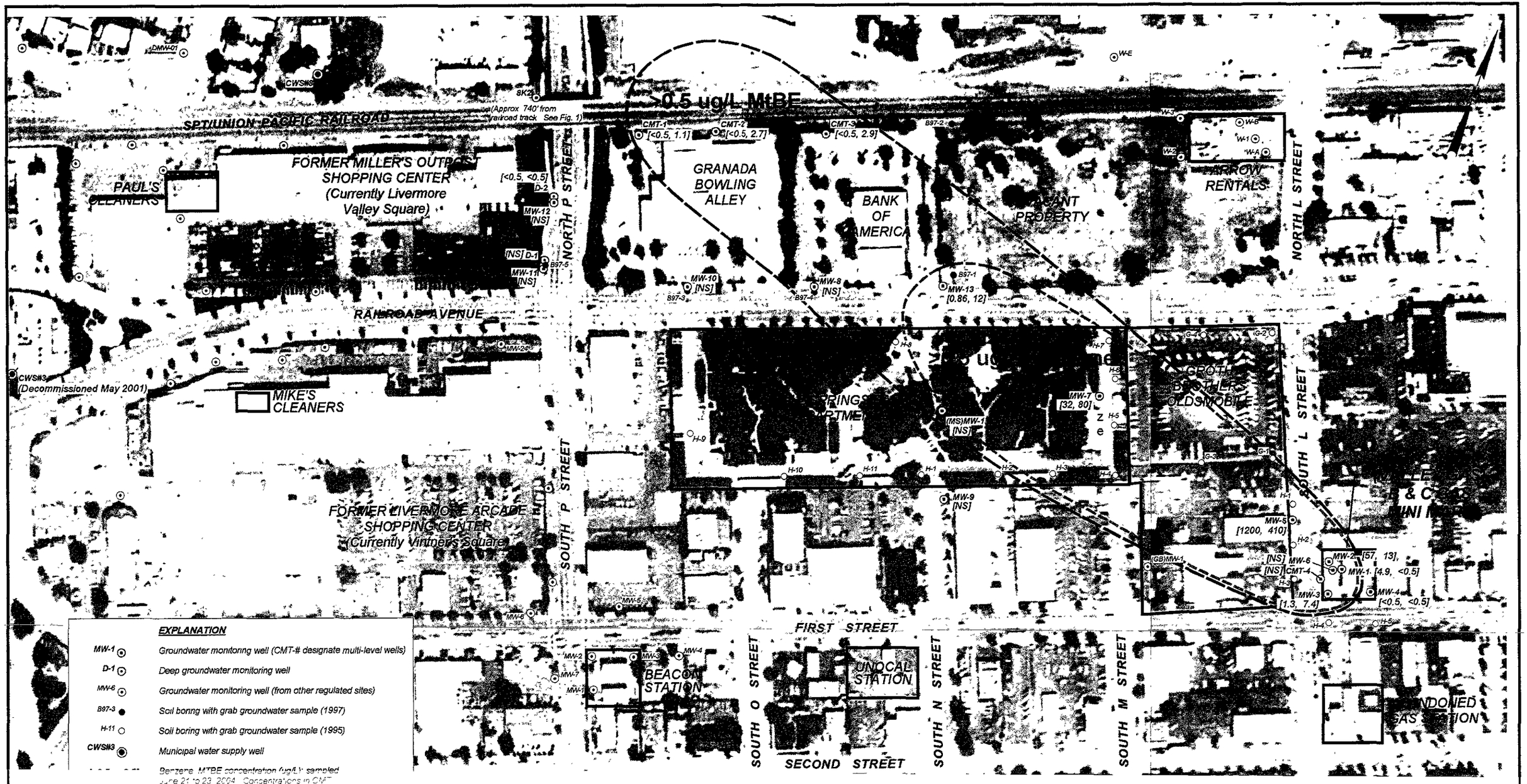
SCALE 0 200 400 FEET
(APPROXIMATE)

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

WELL LOCATIONS AND GROUNDWATER CONTOURS (JUNE 2004)

FIGURE
3

PROJECT NO
BNC103



Date of photography 4/30/96

bnc103 \figures\chem-aerial.ai 7/26/04

SCALE 0 200 400 FEET
(APPROXIMATE)

GROUNDWATER MONITORING
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

GROUNDWATER CHEMISTRY (JUNE 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): 6-21-04
Name: C. Mein
Weather: SUNNY Sounder #: SLOPE 16071

Well	Date	Time	DTW (TOC)	Total Depth	Meas. By	Comments
MW-1	6/21/04	1259	32.26	NM	CM	
MW-2		1254	32.48	NM		VECK: 1381
MW-3		1304	31.78	NM		
MW-4		1307	32.39	NM		
MW-5		1400	31.91	NM		
MW-6		1256	NM	NM		OBSTRUCTION AT 28.58'
MW-7		1206	32.68	NM		
MW-8		1150	39.04	52.9		
MW-9		1237	34.97	44.1		
MW-10		1155	39.45	53.7		
MW-11		1021	35.60	49.8		
MW-12		1032	30.14	43.2		
MW-13		1144	34.90	54.3		
D-1		1027	38.28	123.8		
D-2		1036	31.46	110.8		
MS MW01		1227	37.12	NM		VECK: 1381
CMT1-Z1		1054	40.62	NM		
CMT1-Z2		1056	41.52			
CMT1-Z3		1057	41.55			
CMT1-Z4		1059	41.04			
CMT1-Z5		1100	41.07			
CMT1-Z6		1102	41.17			
CMT1-Z7		1104	43.72			
CMT2-Z1		1111	39.55			
CMT2-Z2		1113	41.37			
CMT2-Z3		1114	41.40			
CMT2-Z4		1115	41.30			
CMT2-Z5		1117	41.29			
CMT2-Z6		1118	41.45			
CMT2-Z7		1119	41.76			
CMT3-Z1		1126	39.85			
CMT3-Z2		1127	37.65			
CMT3-Z3		1130	41.28			
CMT3-Z4		1132	41.82			
CMT3-Z5		1134	42.52			
CMT3-Z6		1136	43.77			
CMT3-Z7		1137	43.38			
CMT4-Z1		1313	~~25.67~~			WELL DRY. TD: 25.67'
CMT4-Z2		1315	31.96			
CMT4-Z3		1316	31.76			
CMT4-Z4		1317	31.87			
CMT4-Z5		1319	31.85			
CMT4-Z6		1321	37.35			
CMT4-Z7		1323	38.00			

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): 74.9	Volume in Casing (gal): 7.3
Depth to Water (ft): 32.36	Calculated Purge (volumes / gal.): 7.3
Height of Water Column (ft): 42.54	Actual Pre-Sampling Purge (gal): 7.5

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
1014	2.5	20.2	1100	6.97	LT. BROWN	MODERATE	LT. SHEEN	LT. BROWN PARTICULATES STRONG ODOR
1020	5.0	20.4	1120	7.21	↓	↓	↓	↓
1028	7.5	20.3	1130	7.20	↓	↓	↓	↓

Purge Date: 6/22/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ___ Teflon Bailer ___ PVC Bailer ___ Disp. Bailer X (7)
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
1034	20.3	1130	7.29	2.06	LT. BROWN	222	

Sheen: FAINT Odor: MODERATE Sample Date: 6/22/04

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

CALIBRATION ON 6/22/04 AT 1154.00: ANTI; PH: 7.03, 10.08; TEMP: 19°C; COND: 0, 2060; TURB: 0;

SIGNATURE: Chuck Muir **DATE:** 6/22/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

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

Well Total Depth (ft): 56.0
Volume in Casing (gal): 15.5
Depth to Water (ft): 32.48
Calculated Purge (volumes / gal.): 15.5
Height of Water Column (ft): 23.52
Actual Pre-Sampling Purge (gal): 15.75

PURGE: 3.0"

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

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
~~1613~~ 1613 cm ~~1113~~	5.25	22.5	1080	7.21	LT. YELLOW TINT	LOW	LT. SHEEN	STRONG ODOR
1617	10.5	21.2	1070	7.12	↓	↓	↓	↓
1624	15.75	21.0	1070	7.08	↓	↓	↓	↓

Purge Date: 6/21/04

SAMPLE: 15.4

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
1628	21.8	1060	7.11	0.57	LT. YELLOW TINT	27	

Sheen: LIGHT Odor: MODERATE Sample Date: 6/21/04

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

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

SIGNATURE: Chuck Mein **DATE:** 6/21/04

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

Conor Pacific EFW

WATER SAMPLE FIELD DATA

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

Well Total Depth (ft): 57.6	Volume in Casing (gal): 17.0
Depth to Water (ft): 31.84	Calculated Purge (volumes / gal.): 17.0
Height of Water Column (ft): 25.76	Actual Pre-Sampling Purge (gal): 17.25

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 3.0'
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
1100	5.75	21.0	1070	7.27	LT. BROWN TINT	LOW	SLIGHT ODOR	LT. BROWN PARTICULATE
1105	11.5	21.3	1080	7.30	↓	↓	↓	↓
1111	17.25	20.7	1090	7.31	↓	MODERATE	↓	↓

Purge Date: 6/22/04

SAMPLE: 1.5"
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 54'
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
1116	21.1	1090	7.37	1.48	LT. BROWN	148	

Sheen: NONE Odor: SLIGHT Sample Date: 6/22/04

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

SIGNATURE: Chuck Mein **DATE:** 6/22/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-4
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 X 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 59.8	Volume in Casing (gal): 18.0
Depth to Water (ft): 32.62	Calculated Purge (volumes / gal.): 18.0
Height of Water Column (ft): 27.18	Actual Pre-Sampling Purge (gal): 18.0

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
1440	6.0	21.5	1070	7.28	LT. BROWN	LOW	SLIGHT ODOR	
1452	12.0	21.2	1070	7.28	↓	↓	↓	
1503	18.0	20.9	1080	7.30	↓	↓	↓	

Purge Date: 6/23/04

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
1507	21.5	1080	7.30	4.27	LT. BROWN	74	

Sheen: NONE Odor: NONE Sample Date: 6/23/04

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

SIGNATURE: Chuck Irwin **DATE:** 6/23/04

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WATER SAMPLE FIELD DATA

LOCATION: BNC GAS MINI MART | SAMPLE ID: MW-5
PROJECT NO: BNC103 | SAMPLED BY: C. Muir
CLIENT: BNC 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): 5.1
Depth to Water (ft): 31.91	Calculated Purge (volumes / gal.): 5.1
Height of Water Column (ft): 7.69	Actual Pre-Sampling Purge (gal): 5.25

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

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1405	1.75	22.0	1050	6.86	LT. GREY	MODERATE	LT. SHEEN	STRONG ODOR
1407	3.5	21.2	1080	6.81	↓	HIGH	↓	↓
1410	5.25	20.9	1090	6.80	↓	↓	↓	↓

Purge Date: 6/21/04

SAMPLE: 1.5" (36'
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____

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1415	21.4	1090	6.88	0.88	GREY	228	

Sheen: LIGHT Odor: STRONG Sample Date: 6/21/04

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 1 CASING VOLUME PURGE. NO MEASURABLE PRODUCT. SAMPLE COLLECTED.

CALIBRATION ON 6/21/04 AT 1335. DO: ANTO; PH: 7.01; 10.03; TEMP: 23.9; COND: 9,2060; TURB: 0;

SIGNATURE: Chuck Muir **DATE:** 6/21/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-7
PROJECT NO: BNC103
SAMPLED BY: C. 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 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): 49.1	Volume in Casing (gal): 2.8
Depth to Water (ft): 32.77	Calculated Purge (volumes / gal.): 2.8
Height of Water Column (ft): 16.33	Actual Pre-Sampling Purge (gal): 3.0

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

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1347	1.0	21.0	980	7.36	LT. BROWN	LOW	STRONG ODOR	LT. BROWN PARTICULATES
1351	2.0	20.4	980	7.33	↓	MODERATE	SLIGHT ODOR	↓
1353	3.0	20.2	980	7.33	↓	↓	↓	↓

Purge Date: 6/23/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer 96'
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
1400	21.6	980	7.31	0.64	LT. BROWN	395	

Sheen: NONE Odor: SLIGHT Sample Date: 6/23/04

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

SIGNATURE: Chuck Min **DATE:** 6/23/04

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: MW-13
PROJECT NO: BNC103
SAMPLED BY: C. Amin
CLIENT: B-N-C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 X 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 54.3	Volume in Casing (gal): 3.3
Depth to Water (ft): 35.07	Calculated Purge (volumes / gal.): 3.3
Height of Water Column (ft): 19.23	Actual Pre-Sampling Purge (gal): 3.5

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

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
1312	1.25	26.1	970	7.42	LT. BROWN	HIGH		LT. BROWN PARTICULATES
1315	2.5	20.2	970	7.35	↓	↓		↓
1319	3.5	20.0	970	7.33	↓	↓		↓

Purge Date: 6/23/04

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer____ Teflon Bailer____ PVC Bailer____ Disp. Bailer S1
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
1324	21.1	950	7.30	1.15	LT. BROWN	501	

Sheen: NONE Odor: NONE Sample Date: 6/23/04

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

SIGNATURE: Chuck Min **DATE:** 6/23/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

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

Well Total Depth (ft): 111.08 Bm
Volume in Casing (gal): 13.5
Depth to Water (ft): 31.66
Calculated Purge (volumes / gal.): 13.5
Height of Water Column (ft): 79.34
Actual Pre-Sampling Purge (gal): 13.5

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
1122	4.5	21.6	1000	7.51	LT. BROWN TINT	LOW		
1128	9.0	20.5	1010	7.51	↓	↓		
1135	13.5	20.6	1020	7.51	LT. BROWN	HIGH		

Purge Date: 6/23/04

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
1141	20.4	990	7.57	5.57	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 6/23/04

Field Measurement Devices: Horiba U4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 2 cm / CASING VOLUME PURGE.

SIGNATURE: Chuck Murin **DATE:** 6/23/04

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WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: CMT 1-Z1
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): 45.5	Volume in Casing ~~(gal)~~ ml: 193
Depth to Water (ft): 40.69	Calculated Purge (volumes / ~~gal~~ ml): 386
Height of Water Column (ft): 4.81	Actual Pre-Sampling Purge ~~(gal)~~ ml: 195

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 @ 45'
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)	DTW (ft) Other	Observation
1207	195	24.6	1260	7.64	GREY	HIGH	45.2	WELL DRY

Purge Date: 6/22/04

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
1030 ~~1647~~	22.5	1150	7.09	2.64	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 6/23/04

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

REMARKS: 40ml/ft. 2 CASING VOLUME PURGE, COLLECTED GRAB SAMPLE AT START OF PURGE IN CASE WELL DOESN'T RECHARGE BY 6/23/04. PURGED 195 ml, WELL EVACUATED AT 195ml @ 1207. WELL ALLOWED TO RECHARGE. DTW AT 1631 WAS 40.69'; ~~SAMPLE COLLECTED AT~~ on 6/23/04 DTW WAS 40.82' AT 1018. SAMPLE COLLECTED AT 1030.
CALIBRATION @ 1025 ON 6/23/04. OD: AUTO; PH: 7.02, 10.07; COND: 0, 2060; TURB: 0;

SIGNATURE: Chuck Muir DATE: 6/22/04 on

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EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: CMT-Z2
PROJECT NO: BNC103
SAMPLED BY: C. Mein
CLIENT: B-N-C GAS MINI MART
REGULATORY AGENCY: ACEHS
SAMPLE TYPE: Groundwater X Surface Water ____ Leachate ____ Treatment System ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 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
Depth to Water (ft): 41.60
Height of Water Column (ft): 19.00
Volume in Casing (~~gal~~ mL): 760
Calculated Purge (volumes / ~~gal.~~ mL): 1520
Actual Pre-Sampling Purge (~~gal~~ mL): 1525

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" INERT 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)	DO (mg/L) ~~Other~~	Observation
1230	760 ~~756~~	23.9	1140	8.24	LT. GREEN/BROWN	VERY HIGH	0.00	
1253	1150	26.6	1140	8.07	↓	HIGH	2.37	
1309	1525	24.9	1150	8.07	↓	↓	3.01	

Purge Date: 6/22/04

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" INERT LIFT, 59'

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1315	24.8	1160	7.81	3.72	LT. GREEN/BROWN	7999	

Sheen: NONE Odor: SLIGHT Sample Date: 6/22/04

Field Measurement Devices: Horiba HY Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 40ml/ft. 2 CASING VOLUME PURGE. DIFFICULTY WITH FOOT VALVE HAD TO KEEP PULLING UP TUBING FILLED W/ PURGE WATER AND EMPTYING INTO BEAKER. TIME CONSUMING.

SIGNATURE: Chuan Mein **DATE:** 6/22/04

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WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: CMT2 - 22
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 ____ 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)~~ mL: 712
Depth to Water (ft): 41.42	Calculated Purge (volumes / ~~gal~~ mL): 1422
Height of Water Column (ft): 17.78	Actual Pre-Sampling Purge ~~(gal)~~ mL: 1425

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump 58' Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated LDPE 1/4" @ 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
1418	715	23.5	1110	7.93	LT. BROWN	HIGH		
1421	1075	23.2	1090	7.61	↓	↓		
1429	1425	25.3	1090	7.62	↓	↓		

Purge Date: 6/22/04

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 - 58

Time (2400 Hr)	Temp. (°C)	Electical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	Other
1432	27.3	1100	7.61	2.34	LT. BROWN	>999	

Sheen: NONE Odor: SLIGHT Sample Date: 6/22/04

Field Measurement Devices: Horiba H4 Omega ____ QuickCheck ____ D.O. Test Kit ____
REMARKS: 4 Vol/Pt. 2 CASING VOLUME PURGE. HOLE IN TUBING HAD TO BE INSERT CHECK VALVE.

SIGNATURE: Chuck Min **DATE:** 6/22/04

Conor Pacific | **EFW**

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: CMT3-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
Depth to Water (ft): 37.74
Height of Water Column (ft): 16.96
Volume in Casing (~~gal~~ mL): 678
Calculated Purge (volumes / ~~gal~~ mL): 1357
Actual Pre-Sampling Purge (~~gal~~ mL): 1360

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" INERTIAL LIFT, 54' LDPE
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)	DO ~~Other~~ (mg/L)	Observation
1601	680	23.3	1050	7.77	BROWN	VERY HIGH	1.88	
1604	1020	23.1	1030	7.59	↓	↓	3.29	
1607	1360	22.6	1040	7.58	↓	↓	3.53	

Purge Date: 6/22/04

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
1613	21.9	1030	7.44	2.79	LT. BROWN	>999	

Sheen: NONE Odor: NONE Sample Date: 6/22/04

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

SIGNATURE: Chuck Muir **DATE:** 6/22/04

Conor Pacific

EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART
SAMPLE ID: PW062304
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 ____
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
1545	28.0	1050	7.70	5.44	LT. BROWN	39	

Sheen: NONE Odor: SLIGHT Sample Date: 6/23/04

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

REMARKS: COLLECTED GRAB SAMPLE, DISCRETE SAMPLES OF GROUNDWATER PURGE WATER FROM DRUMS 062304-A + 062304-B WERE COLLECTED, MIXED, AND SAMPLED AS COMPOSITE SAMPLE PW062304. ~~USED SAMPLE CONTAINERS~~ SAMPLES COLLECTED FROM CLEAN GLASS CONTAINER.

SIGNATURE: Chuck Muir DATE: 6/23/04

Conor Pacific EFW

WATER SAMPLE FIELD DATA

LOCATION: B-N-C GAS MINI MART SAMPLE ID: DRUM A
PROJECT NO: BNC103 SAMPLED BY: C. Muir
CLIENT: B-N-C GAS MINI MART REGULATORY AGENCY:
SAMPLE TYPE: Groundwater _____ Surface Water _____ Leachate _____ Treatment System _____ Other X
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
1541							

Sheen: _____ Odor: _____ Sample Date: 6/23/04

Field Measurement Devices: Horiba MY Omega _____ QuickCheck _____ D.O. Test Kit _____
REMARKS: COLLECTED GRAB SAMPLE. COLLECTED 3X 40ml VOA / HCl FROM "DRUM A" DIRECTLY INTO SAMPLE CONTAINERS.

SIGNATURE: Chuck Muir DATE: 6/23/04

APPENDIX B

Laboratory Certified Analytical Reports

BNC103 2001 June

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
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13 July, 2004

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

RE: B&C Gas Mini Mart
Work Order: P406452

Enclosed are the results of analyses for samples received by the laboratory on 06/23/04 11:35. 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

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	P406452-01	Water	06/22/04 10:34	06/23/04 11:35
MW-2	P406452-02	Water	06/21/04 16:28	06/23/04 11:35
MW-3	P406452-03	Water	06/22/04 11:16	06/23/04 11:35
MW-5	P406452-04	Water	06/21/04 14:15	06/23/04 11:35
CMT1-Z2	P406452-05	Water	06/22/04 13:15	06/23/04 11:35
CMT2-Z2	P406452-06	Water	06/22/04 14:32	06/23/04 11:35
CMT3-Z2	P406452-07	Water	06/22/04 16:13	06/23/04 11:35

Sequoia Analytical

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

BTEX by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P406452-01) Water Sampled: 06/22/04 10:34 Received: 06/23/04 11:35									
Benzene	**4.9**	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
Ethylbenzene	**28**	0.50	"	"	"	"	"	"	
Toluene	**1.1**	0.50	"	"	"	"	"	"	
Xylenes (total)	**110**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*78-129*		"	"	"	"	
MW-3 (P406452-03) Water Sampled: 06/22/04 11:16 Received: 06/23/04 11:35									
Benzene	**1.3**	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
Ethylbenzene	**1.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.59**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*78-129*		"	"	"	"	
CMT1-Z2 (P406452-05) Water Sampled: 06/22/04 13:15 Received: 06/23/04 11:35									
Benzene	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*78-129*		"	"	"	"	
CMT2-Z2 (P406452-06) Water Sampled: 06/22/04 14:32 Received: 06/23/04 11:35									
Benzene	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

BTEX by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT3-Z2 (P406452-07) Water	**Sampled: 06/22/04 16:13**	**Received: 06/23/04 11:35**							
Benzene	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P406452-01) Water Sampled: 06/22/04 10:34 Received: 06/23/04 11:35									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*78-129*		"	"	"	"	
MW-3 (P406452-03) Water Sampled: 06/22/04 11:16 Received: 06/23/04 11:35									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	7.4	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*78-129*		"	"	"	"	
CMT1-Z2 (P406452-05) Water Sampled: 06/22/04 13:15 Received: 06/23/04 11:35									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.1	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*78-129*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CMT2-Z2 (P406452-06) Water	**Sampled: 06/22/04 14:32**	**Received: 06/23/04 11:35**							
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.7**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*78-129*		"	"	"	"	
CMT3-Z2 (P406452-07) Water	**Sampled: 06/22/04 16:13**	**Received: 06/23/04 11:35**							
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G06022	07/06/04	07/06/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.9**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P406452-01) Water Sampled: 06/22/04 10:34 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	**4800**	100	ug/l	2	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*98 %*	*65-135*		"	"	"	"	
MW-2 (P406452-02) Water Sampled: 06/21/04 16:28 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	**1200**	50	ug/l	1	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*65-135*		"	"	"	"	
MW-3 (P406452-03) Water Sampled: 06/22/04 11:16 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	**230**	50	ug/l	1	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
MW-5 (P406452-04) Water Sampled: 06/21/04 14:15 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	**18000**	1000	ug/l	20	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*90 %*	*65-135*		"	"	"	"	
CMT1-Z2 (P406452-05) Water Sampled: 06/22/04 13:15 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*92 %*	*65-135*		"	"	"	"	
CMT2-Z2 (P406452-06) Water Sampled: 06/22/04 14:32 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
CMT3-Z2 (P406452-07) Water Sampled: 06/22/04 16:13 Received: 06/23/04 11:35									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4060651	06/30/04	06/30/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*90 %*	*65-135*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (P406452-02) Water Sampled: 06/21/04 16:28 Received: 06/23/04 11:35									
Tert-amyl methyl ether	ND	10	ug/l	10	4070035	07/02/04	07/02/04	EPA 8260B	
Benzene	**57**	5.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethylbenzene	**49**	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**13**	5.0	"	"	"	"	"	"	
Toluene	**5.5**	5.0	"	"	"	"	"	"	
Xylenes (total)	**15**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*		*84-122*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*		*74-135*		"	"	"	
Surrogate: Toluene-d8		*100 %*		*84-119*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*86-119*		"	"	"	
MW-5 (P406452-04) Water Sampled: 06/21/04 14:15 Received: 06/23/04 11:35									
Tert-amyl methyl ether	ND	100	ug/l	100	4070035	07/02/04	07/02/04	EPA 8260B	
Benzene	**1200**	50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethylbenzene	**1300**	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**410**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	**330**	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*		*84-122*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*74-135*		"	"	"	
Surrogate: Toluene-d8		*99 %*		*84-119*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*86-119*		"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4G06022 - EPA 5030B P/T										
Blank (4G06022-BLK1)				Prepared & Analyzed: 07/06/04						
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.50*		"	*5.00*		*110*	*78-129*			
Laboratory Control Sample (4G06022-BS1)				Prepared & Analyzed: 07/06/04						
Benzene	7.65	0.50	ug/l	10.0		76	69-124			
Toluene	8.21	0.50	"	10.0		82	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.34*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample Dup (4G06022-BSD1)				Prepared: 07/06/04 Analyzed: 07/07/04						
Benzene	7.95	0.50	ug/l	10.0		80	69-124	4	20	
Toluene	8.17	0.50	"	10.0		82	78-129	0.5	20	
Surrogate: 1,2-Dichloroethane-d4	*5.51*		"	*5.00*		*110*	*78-129*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4G06022 - EPA 5030B P/T										
Blank (4G06022-BLK1)				Prepared & Analyzed: 07/06/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.50*		"	*5.00*		*110*	*78-129*			
Laboratory Control Sample (4G06022-BS1)				Prepared & Analyzed: 07/06/04						
Methyl tert-butyl ether	8.35	0.50	ug/l	10.0		84	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.34*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample Dup (4G06022-BSD1)				Prepared: 07/06/04 Analyzed: 07/07/04						
Methyl tert-butyl ether	8.20	0.50	ug/l	10.0		82	63-137	2	20	
Surrogate: 1,2-Dichloroethane-d4	*5.51*		"	*5.00*		*110*	*78-129*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

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 4060651 - EPA 5030B, waters										
Blank (4060651-BLK1)				Prepared & Analyzed: 06/30/04						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*283*		"	*300*		*94*	*65-135*			
Laboratory Control Sample (4060651-BS1)				Prepared & Analyzed: 06/30/04						
Gasoline Range Organics (C6-C10)	2170	50	ug/l	2750		79	65-135			
Surrogate: 4-Bromofluorobenzene	*274*		"	*300*		*91*	*65-135*			
Matrix Spike (4060651-MS1)	**Source: P406451-07**			Prepared & Analyzed: 06/30/04						
Gasoline Range Organics (C6-C10)	2110	50	ug/l	2750	14	76	65-135			
Surrogate: 4-Bromofluorobenzene	*277*		"	*300*		*92*	*65-135*			
Matrix Spike Dup (4060651-MSD1)	**Source: P406451-07**			Prepared & Analyzed: 06/30/04						
Gasoline Range Organics (C6-C10)	2130	50	ug/l	2750	14	77	65-135	0.9	20	
Surrogate: 4-Bromofluorobenzene	*281*		"	*300*		*94*	*65-135*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

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 4070035 - EPA 5030B waters										
Blank (4070035-BLK1)				Prepared & Analyzed: 07/02/04						
Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.99*		"	*5.00*		*100*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.85*		"	*5.00*		*97*	*74-135*			
Surrogate: Toluene-d8	*5.14*		"	*5.00*		*103*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.29*		"	*5.00*		*106*	*86-119*			
Laboratory Control Sample (4070035-BS1)				Prepared & Analyzed: 07/02/04						
Tert-amyl methyl ether	5.08	1.0	ug/l	5.00		102	78-117			
Benzene	5.24	0.50	"	5.00		105	81-118			
Tert-butyl alcohol	98.6	20	"	100		99	60-147			
Di-isopropyl ether	5.15	1.0	"	5.00		103	70-125			
1,2-Dibromoethane (EDB)	5.79	0.50	"	5.00		116	85-125			
1,2-Dichloroethane	5.02	0.50	"	5.00		100	77-126			
Ethanol	92.4	100	"	100		92	55-200			
Ethylbenzene	5.14	0.50	"	5.00		103	89-122			
Ethyl tert-butyl ether	5.01	1.0	"	5.00		100	71-120			
Methyl tert-butyl ether	4.79	0.50	"	5.00		96	70-122			
Toluene	5.42	0.50	"	5.00		108	84-119			
Xylenes (total)	16.5	0.50	"	15.0		110	86-132			
Surrogate: Dibromofluoromethane	*4.72*		"	*5.00*		*94*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.72*		"	*5.00*		*94*	*74-135*			
Surrogate: Toluene-d8	*4.97*		"	*5.00*		*99*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.98*		"	*5.00*		*100*	*86-119*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

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 4070035 - EPA 5030B waters										
Matrix Spike (4070035-MS1)	**Source: P406422-04**			Prepared & Analyzed: 07/02/04						
Tert-amyl methyl ether	4990	1000	ug/l	5000	ND	100	78-117			
Benzene	14600	500	"	5000	10000	92	81-118			
Tert-butyl alcohol	105000	20000	"	100000	ND	105	60-147			
Di-isopropyl ether	4670	1000	"	5000	ND	93	70-125			
1,2-Dibromoethane (EDB)	5660	500	"	5000	ND	113	85-125			
1,2-Dichloroethane	5020	500	"	5000	ND	100	77-126			
Ethanol	94300	100000	"	100000	ND	94	55-200			
Ethylbenzene	7090	500	"	5000	1900	104	89-122			
Ethyl tert-butyl ether	4750	1000	"	5000	ND	95	71-120			
Methyl tert-butyl ether	4730	500	"	5000	ND	95	70-122			
Toluene	23500	500	"	5000	19000	90	84-119			
Xylenes (total)	30200	500	"	15000	13000	115	86-132			
Surrogate: Dibromofluoromethane	*4.84*		"	*5.00*		*97*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.22*		"	*5.00*		*84*	*74-135*			
Surrogate: Toluene-d8	*4.96*		"	*5.00*		*99*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.97*		"	*5.00*		*99*	*86-119*			
Matrix Spike Dup (4070035-MSD1)	**Source: P406422-04**			Prepared & Analyzed: 07/02/04						
Tert-amyl methyl ether	4960	1000	ug/l	5000	ND	99	78-117	0.6	20	
Benzene	15300	500	"	5000	10000	106	81-118	5	20	
Tert-butyl alcohol	105000	20000	"	100000	ND	105	60-147	0	20	
Di-isopropyl ether	4580	1000	"	5000	ND	92	70-125	2	20	
1,2-Dibromoethane (EDB)	5540	500	"	5000	ND	111	85-125	2	20	
1,2-Dichloroethane	5050	500	"	5000	ND	101	77-126	0 6	20	
Ethanol	98900	100000	"	100000	ND	99	55-200	5	20	
Ethylbenzene	7010	500	"	5000	1900	102	89-122	1	20	
Ethyl tert-butyl ether	4770	1000	"	5000	ND	95	71-120	0.4	20	
Methyl tert-butyl ether	4700	500	"	5000	ND	94	70-122	0.6	20	
Toluene	25000	500	"	5000	19000	120	84-119	6	20	QM01
Xylenes (total)	29600	500	"	15000	13000	111	86-132	2	20	
Surrogate: Dibromofluoromethane	*4.72*		"	*5.00*		*94*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.29*		"	*5 00*		*86*	*74-135*			
Surrogate: Toluene-d8	*4.90*		"	*5.00*		*98*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.86*		"	*5.00*		*97*	*86-119*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406452
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/13/04 13:02

Notes and Definitions

QM01	The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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. X

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

EDD required? ☒ Yes ☐ No

PET

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info	TPH - GAS	BTEX, MTBE EPA 8260								Cont. Qty.	Remarks
						Type/Vol.	VOA 40	VOA 40									
						Filter	N	N									
						Preserv.	HCl	HCl									
MW-1		6/22/04	1034	WATER	✓		3	3	PA06452-1							6	PROVIDE EDF.
MW-2		6/21/04	1628				3	3				2				6	
MW-3		6/22/04	1116				3	3				3				6	ADD THE LOCID
MW-5		6/21/04	1415				3	3				4				6	(WELL ID) TO THE
CMT1-22		6/22/04	1315				3	3				5				6	EDF SENT TO THE
CMT2-22		6/22/04	1432				3	3				6				6	STATE.
CMT3-22		6/22/04	1613	↓			3	3				7				6	

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 3.0 °C

Relinquished by: (signature)	Received by: (signature)	Date/Time:
C. Muir		6/23/04 1135
Relinquished by: (signature)	Received by: (signature)	Date/Time:
6/23/04 1705		6/23/04 1705
Relinquished by: (signature)	Received by: (signature)	Date/Time:
6/23/04		

SEND RESULTS TO:

Attn: ERIK JOHNSEN
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: 0406452

DATE Received at Lab: 6/24/04
TIME Received at Lab: 0930
LOG IN DATE: 6-24-04

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			MW-1	COXDV	W	6/22	
2. Chain-of-Custody	Present / Absent*			2		"	6/21	
3. Traffic Reports or Packing List:	Present / Absent			3		"	6/22	
4. Airbill:	Airbill / Sticker Present / Absent			5		"	6/21	
5. Airbill #:	CON			CMT4-Z2		"	6/22	
6. Sample Labels:	Present / Absent			CMT2-Z2		"	"	
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody			CMT3-Z2		"	"	
8. Sample Condition:	Intact / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree?	Yes / No*							
10. Sample received within hold time:	Yes / No*							
11. Proper Preservatives used:	Yes / No*							
12. Temp Rec. at Lab: 3.0 (Acceptance range for samples requiring thermal pres.:4+/-2°C)	Yes / No*							

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

B&C103 7/04 QW 4
PW 0673

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23 July, 2004

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

RE: B&C Gas Mini Mart
Work Order: P406507

Enclosed are the results of analyses for samples received by the laboratory on 06/25/04 18:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Shipman
Project Manager

CA ELAP Certificate #2374

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	P406507-01	Water	06/23/04 15:07	06/25/04 18:50
MW-7	P406507-02	Water	06/23/04 14:00	06/25/04 18:50
MW-13	P406507-03	Water	06/23/04 13:24	06/25/04 18:50
D-2	P406507-04	Water	06/23/04 11:41	06/25/04 18:50
CMT1-Z1	P406507-05	Water	06/23/04 10:30	06/25/04 18:50
PW062304	P406507-06	Water	06/23/04 15:45	06/25/04 18:50

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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	P406507 **Reported:** 07/23/04 16:16

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (P406507-01) Water Sampled: 06/23/04 15:07 Received: 06/25/04 18:50									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4070052	07/06/04	07/06/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*92 %*	*65-135*		"	"	"	"	
MW-7 (P406507-02) Water Sampled: 06/23/04 14:00 Received: 06/25/04 18:50									
Gasoline Range Organics (C6-C10)	**1500**	50	ug/l	1	4070095	07/07/04	07/07/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*95 %*	*65-135*		"	"	"	"	
MW-13 (P406507-03) Water Sampled: 06/23/04 13:24 Received: 06/25/04 18:50									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4070052	07/06/04	07/06/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	
D-2 (P406507-04) Water Sampled: 06/23/04 11:41 Received: 06/25/04 18:50									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4070052	07/06/04	07/06/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*96 %*	*65-135*		"	"	"	"	
CMT1-Z1 (P406507-05) Water Sampled: 06/23/04 10:30 Received: 06/25/04 18:50									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	4070052	07/06/04	07/06/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

Purgeables by EPA Method 624

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PW062304 (P406507-06) Water	**Sampled: 06/23/04 15:45**	**Received: 06/25/04 18:50**							
Benzene	9.7	5.0	ug/l	5	4070092	07/07/04	07/07/04	EPA 624	
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	7.1	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		*144 %*	*84-122*		"	"	"	"	*S01*
Surrogate: 1,2-Dichloroethane-d4		*157 %*	*74-135*		"	"	"	"	*S01*
Surrogate: Toluene-d8		*133 %*	*84-119*		"	"	"	"	*S01*
Surrogate: 4-Bromofluorobenzene		*113 %*	*86-119*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

Purgeables by EPA Method 624

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PW062304 (P406507-06RE1) Water	**Sampled: 06/23/04 15:45 Received: 06/25/04 18:50**								**HT-RA**
Methyl tert-butyl ether	**20**	5.0	ug/l	5	4070139	07/09/04	07/09/04	EPA 624	
Surrogate: Dibromofluoromethane		*108 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*84-119*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*86-119*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (P406507-01) Water Sampled: 06/23/04 15:07 Received: 06/25/04 18:50									
Benzene	ND	0.50	ug/l	1	4070093	07/07/04	07/07/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*120 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*84-119*		"	"	"	"	
MW-7 (P406507-02) Water Sampled: 06/23/04 14:00 Received: 06/25/04 18:50									
Benzene	**32**	10	ug/l	20	4070093	07/07/04	07/07/04	EPA 8260B	
Ethylbenzene	**35**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**80**	10	"	"	"	"	"	"	A-01a
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*84-122*		"	"	"	"	*S01*
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*119 %*	*84-119*		"	"	"	"	
MW-13 (P406507-03) Water Sampled: 06/23/04 13:24 Received: 06/25/04 18:50									
Benzene	**0.86**	0.50	ug/l	1	4070093	07/07/04	07/07/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**12**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*126 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*84-119*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D-2 (P406507-04) Water Sampled: 06/23/04 11:41 Received: 06/25/04 18:50									
Benzene	ND	0.50	ug/l	1	4070092	07/07/04	07/07/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*152 %*	*84-122*		"	"	"	"	*S01*
Surrogate: 1,2-Dichloroethane-d4		*160 %*	*74-135*		"	"	"	"	*S01*
Surrogate: Toluene-d8		*136 %*	*84-119*		"	"	"	"	*S01*
CMT1-Z1 (P406507-05) Water Sampled: 06/23/04 10:30 Received: 06/25/04 18:50									
Benzene	ND	0.50	ug/l	1	4070092	07/07/04	07/07/04	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.1**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*154 %*	*84-122*		"	"	"	"	*S01*
Surrogate: 1,2-Dichloroethane-d4		*162 %*	*74-135*		"	"	"	"	*S01*
Surrogate: Toluene-d8		*135 %*	*84-119*		"	"	"	"	*S01*
CMT1-Z1 (P406507-05RE1) Water Sampled: 06/23/04 10:30 Received: 06/25/04 18:50									**HT-RA**
Methyl tert-butyl ether	**1.8**	0.50	ug/l	1	4070269	07/15/04	07/15/04	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*84-119*		"	"	"	"	

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070052 - EPA 5030B, waters										
Blank (4070052-BLK1)				Prepared & Analyzed: 07/06/04						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*291*		"	*300*		*97*	*65-135*			
Laboratory Control Sample (4070052-BS1)				Prepared & Analyzed: 07/06/04						
Gasoline Range Organics (C6-C10)	2610	50	ug/l	2750		95	65-135			
Surrogate: 4-Bromofluorobenzene	*297*		"	*300*		*99*	*65-135*			
Matrix Spike (4070052-MS1)	**Source: P406466-01**			Prepared & Analyzed: 07/06/04						
Gasoline Range Organics (C6-C10)	2670	50	ug/l	2750	44	95	65-135			
Surrogate: 4-Bromofluorobenzene	*296*		"	*300*		*99*	*65-135*			
Matrix Spike Dup (4070052-MSD1)	**Source: P406466-01**			Prepared & Analyzed: 07/06/04						
Gasoline Range Organics (C6-C10)	2440	50	ug/l	2750	44	87	65-135	9	20	
Surrogate: 4-Bromofluorobenzene	*295*		"	*300*		*98*	*65-135*			
Batch 4070095 - EPA 5030B, waters										
Blank (4070095-BLK1)				Prepared & Analyzed: 07/07/04						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*296*		"	*300*		*99*	*65-135*			
Laboratory Control Sample (4070095-BS1)				Prepared & Analyzed: 07/07/04						
Gasoline Range Organics (C6-C10)	2560	50	ug/l	2750		93	65-135			
Surrogate: 4-Bromofluorobenzene	*307*		"	*300*		*102*	*65-135*			
Matrix Spike (4070095-MS1)	**Source: P406492-09**			Prepared & Analyzed: 07/07/04						
Gasoline Range Organics (C6-C10)	2420	50	ug/l	2750	18	87	65-135			
Surrogate: 4-Bromofluorobenzene	*303*		"	*300*		*101*	*65-135*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070095 - EPA 5030B, waters										
Matrix Spike Dup (4070095-MSD1)	**Source: P406492-09**			Prepared & Analyzed: 07/07/04						
Gasoline Range Organics (C6-C10)	2410	50	ug/l	2750	18	87	65-135	0.4	20	
Surrogate: 4-Bromofluorobenzene	*300*		"	*300*		*100*	*65-135*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070092 - EPA 5030B waters										
Blank (4070092-BLK1)				Prepared & Analyzed: 07/07/04						
Benzene	ND	1.0	ug/l							
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	"							
Surrogate: Dibromofluoromethane	*5.75*		"	*4.00*		*144*	*84-122*			*S01*

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070092 - EPA 5030B waters										
Blank (4070092-BLK1)				Prepared & Analyzed: 07/07/04						
Surrogate: 1,2-Dichloroethane-d4	*5.97*		*ug/l*	*4.00*		*149*	*74-135*			*S01*
Surrogate: Toluene-d8	*5.29*		*"*	*4.00*		*132*	*84-119*			*S01*
Surrogate: 4-Bromofluorobenzene	*4.40*		*"*	*4.00*		*110*	*86-119*			
Laboratory Control Sample (4070092-BS1)				Prepared & Analyzed: 07/07/04						
Benzene	22.5	1.0	ug/l	20.0		112	37-151			
Bromodichloromethane	25.0	1.0	"	20.0		125	35-155			
Bromoform	21.4	1.0	"	20.0		107	45-169			
Bromomethane	26.4	1.0	"	20.0		132	0.1-242			
Carbon tetrachloride	27.1	1.0	"	20.0		136	70-140			
Chlorobenzene	21.1	1.0	"	20.0		106	37-160			
Chloroethane	25.8	1.0	"	20.0		129	14-230			
Chloroform	26.1	1.0	"	20.0		130	51-138			
Chloromethane	21.8	1.0	"	20.0		109	0.1-273			
Dibromochloromethane	22.4	1.0	"	20.0		112	53-149			
1,2-Dichlorobenzene	21.1	1.0	"	20.0		106	18-190			
1,3-Dichlorobenzene	20.7	1.0	"	20.0		104	59-156			
1,4-Dichlorobenzene	19.9	1.0	"	20.0		100	18-190			
1,1-Dichloroethane	25.0	1.0	"	20.0		125	59-155			
1,2-Dichloroethane	24.6	1.0	"	20.0		123	49-155			
1,1-Dichloroethene	24.6	1.0	"	20.0		123	0.1-234			
trans-1,2-Dichloroethene	25.3	1.0	"	20.0		126	54-156			
1,2-Dichloropropane	22.7	1.0	"	20.0		114	0.1-210			
cis-1,3-Dichloropropene	24.4	1.0	"	20.0		122	0.1-227			
trans-1,3-Dichloropropene	23.5	1.0	"	20.0		118	17-183			
Ethylbenzene	22.0	1.0	"	20.0		110	37-162			
Methylene chloride	23.6	1.0	"	20.0		118	0.1-221			
Methyl tert-butyl ether	23.8	1.0	"	20.0		119	70-130			
1,1,2,2-Tetrachloroethane	20.2	1.0	"	20.0		101	46-157			
Tetrachloroethene	21.1	1.0	"	20.0		106	64-148			
Toluene	22.3	1.0	"	20.0		112	47-150			
1,1,2-Trichloroethane	20.8	1.0	"	20.0		104	52-150			
1,1,1-Trichloroethane	26.9	1.0	"	20.0		134	52-162			
Trichloroethene	23.0	1.0	"	20.0		115	71-157			
Trichlorofluoromethane	27.9	1.0	"	20.0		140	17-181			
Vinyl chloride	23.2	1.0	"	20.0		116	0.1-251			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070092 - EPA 5030B waters										
Laboratory Control Sample (4070092-BS1)				Prepared & Analyzed: 07/07/04						
Surrogate: Dibromofluoromethane	*5.47*		*ug/l*	*4.00*		*137*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*5.74*		*"*	*4.00*		*144*	*74-135*			*S01*
Surrogate: Toluene-d8	*5.19*		*"*	*4.00*		*130*	*84-119*			*S01*
Surrogate: 4-Bromofluorobenzene	*4.69*		*"*	*4.00*		*117*	*86-119*			
Laboratory Control Sample Dup (4070092-BSD1)				Prepared & Analyzed: 07/07/04						
Benzene	22.3	1.0	ug/l	20.0		112	37-151	0.9	35	
Bromodichloromethane	24.1	1.0	"	20.0		120	35-155	4	35	
Bromoform	22.1	1.0	"	20.0		110	45-169	3	35	
Bromomethane	24.6	1.0	"	20.0		123	0.1-242	7	35	
Carbon tetrachloride	27.4	1.0	"	20.0		137	70-140	1	35	
Chlorobenzene	21.4	1.0	"	20.0		107	37-160	1	35	
Chloroethane	25.0	1.0	"	20.0		125	14-230	3	35	
Chloroform	25.7	1.0	"	20.0		128	51-138	2	35	
Chloromethane	23.0	1.0	"	20.0		115	0.1-273	5	35	
Dibromochloromethane	23.0	1.0	"	20.0		115	53-149	3	35	
1,2-Dichlorobenzene	21.3	1.0	"	20.0		106	18-190	0.9	35	
1,3-Dichlorobenzene	21.3	1.0	"	20.0		106	59-156	3	35	
1,4-Dichlorobenzene	20.0	1.0	"	20.0		100	18-190	0.5	35	
1,1-Dichloroethane	25.3	1.0	"	20.0		126	59-155	1	35	
1,2-Dichloroethane	24.5	1.0	"	20.0		122	49-155	0.4	35	
1,1-Dichloroethene	25.2	1.0	"	20.0		126	0.1-234	2	35	
trans-1,2-Dichloroethene	24.9	1.0	"	20.0		124	54-156	2	35	
1,2-Dichloropropane	22.3	1.0	"	20.0		112	0.1-210	2	35	
cis-1,3-Dichloropropene	24.0	1.0	"	20.0		120	0.1-227	2	35	
trans-1,3-Dichloropropene	23.9	1.0	"	20.0		120	17-183	2	35	
Ethylbenzene	22.3	1.0	"	20.0		112	37-162	1	35	
Methylene chloride	23.4	1.0	"	20.0		117	0.1-221	0.9	35	
Methyl tert-butyl ether	23.4	1.0	"	20.0		117	70-130	2	35	
1,1,2,2-Tetrachloroethane	20.6	1.0	"	20.0		103	46-157	2	35	
Tetrachloroethene	22.0	1.0	"	20.0		110	64-148	4	35	
Toluene	22.7	1.0	"	20.0		114	47-150	2	35	
1,1,2-Trichloroethane	21.6	1.0	"	20.0		108	52-150	4	35	
1,1,1-Trichloroethane	26.7	1.0	"	20.0		134	52-162	0.7	35	
Trichloroethene	22.0	1.0	"	20.0		110	71-157	4	35	
Trichlorofluoromethane	28.1	1.0	"	20.0		140	17-181	0.7	35	

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070092 - EPA 5030B waters										
Laboratory Control Sample Dup (4070092-BSD1)				Prepared & Analyzed: 07/07/04						
Vinyl chloride	22.5	1.0	ug/l	20.0		112	0.1-251	3	35	
Surrogate: Dibromofluoromethane	*5.46*		"	*4.00*		*136*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*5.62*		"	*4.00*		*140*	*74-135*			*S01*
Surrogate: Toluene-d8	*5.32*		"	*4.00*		*133*	*84-119*			*S01*
Surrogate: 4-Bromofluorobenzene	*4.88*		"	*4.00*		*122*	*86-119*			*S01*
Batch 4070139 - EPA 5030B waters										
Blank (4070139-BLK1)				Prepared & Analyzed: 07/09/04						
Acrolein	ND	20	ug/l							A-01
Acrylonitrile	ND	20	"							A-01
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	"							

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070139 - EPA 5030B waters										
Blank (4070139-BLK1)				Prepared & Analyzed: 07/09/04						
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
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	"							
Surrogate: Dibromofluoromethane	*4.70*		"	*5.00*		*94*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.63*		"	*5.00*		*93*	*74-135*			
Surrogate: Toluene-d8	*4.82*		"	*5.00*		*96*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.23*		"	*5.00*		*105*	*86-119*			
Laboratory Control Sample (4070139-BS1)				Prepared & Analyzed: 07/09/04						
Benzene	20.4	1.0	ug/l	20.0		102	37-151			
Bromodichloromethane	21.8	1.0	"	20.0		109	35-155			
Bromoform	22.0	1.0	"	20.0		110	45-169			
Bromomethane	5.16	1.0	"	20.0		26	0.1-242			
Carbon tetrachloride	22.1	1.0	"	20.0		110	70-140			
Chlorobenzene	20.1	1.0	"	20.0		100	37-160			
Chloroethane	17.3	1.0	"	20.0		86	14-230			
Chloroform	20.1	1.0	"	20.0		100	51-138			
Chloromethane	18.9	1.0	"	20.0		94	0.1-273			
Dibromochloromethane	20.9	1.0	"	20.0		104	53-149			
1,2-Dichlorobenzene	20.4	1.0	"	20.0		102	18-190			
1,3-Dichlorobenzene	21.2	1.0	"	20.0		106	59-156			
1,4-Dichlorobenzene	20.3	1.0	"	20.0		102	18-190			
1,1-Dichloroethane	20.1	1.0	"	20.0		100	59-155			
1,2-Dichloroethane	20.1	1.0	"	20.0		100	49-155			
1,1-Dichloroethene	21.2	1.0	"	20.0		106	0.1-234			
trans-1,2-Dichloroethene	21.4	1.0	"	20.0		107	54-156			
1,2-Dichloropropane	20.2	1.0	"	20.0		101	0.1-210			
cis-1,3-Dichloropropene	22.0	1.0	"	20.0		110	0.1-227			
trans-1,3-Dichloropropene	21.8	1.0	"	20.0		109	17-183			
Ethylbenzene	19.7	1.0	"	20.0		98	37-162			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070139 - EPA 5030B waters										
Laboratory Control Sample (4070139-BS1)				Prepared & Analyzed: 07/09/04						
Methylene chloride	21.4	1.0	ug/l	20.0		107	0.1-221			
Methyl tert-butyl ether	18.3	1.0	"	20.0		92	70-130			
1,1,2,2-Tetrachloroethane	18.5	1.0	"	20.0		92	46-157			
Tetrachloroethene	22.0	1.0	"	20.0		110	64-148			
Toluene	22.4	1.0	"	20.0		112	47-150			
1,1,2-Trichloroethane	20.5	1.0	"	20.0		102	52-150			
1,1,1-Trichloroethane	21.3	1.0	"	20.0		106	52-162			
Trichloroethene	21.0	1.0	"	20.0		105	71-157			
Trichlorofluoromethane	19.8	1.0	"	20.0		99	17-181			
Vinyl chloride	18.5	1.0	"	20.0		92	0.1-251			
Surrogate: Dibromofluoromethane	*4.65*		"	*5.00*		*93*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.60*		"	*5.00*		*92*	*74-135*			
Surrogate: Toluene-d8	*4.88*		"	*5.00*		*98*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.61*		"	*5.00*		*92*	*86-119*			
Matrix Spike (4070139-MS1)	**Source: P406488-01**			Prepared & Analyzed: 07/09/04						
Benzene	20.9	1.0	ug/l	20.0	ND	104	37-151			
Bromodichloromethane	22.2	1.0	"	20.0	ND	111	35-155			
Bromoform	21.9	1.0	"	20.0	ND	110	45-169			
Bromomethane	7.30	1.0	"	20.0	ND	36	0.1-242			
Carbon tetrachloride	21.9	1.0	"	20.0	ND	110	70-140			
Chlorobenzene	20.3	1.0	"	20.0	ND	102	37-160			
Chloroethane	19.0	1.0	"	20.0	ND	95	14-230			
Chloroform	22.2	1.0	"	20.0	ND	111	51-138			
Chloromethane	25.0	1.0	"	20.0	ND	125	0.1-273			
Dibromochloromethane	21.2	1.0	"	20.0	ND	106	53-149			
1,2-Dichlorobenzene	20.3	1.0	"	20.0	ND	102	18-190			
1,3-Dichlorobenzene	20.6	1.0	"	20.0	ND	103	59-156			
1,4-Dichlorobenzene	19.9	1.0	"	20.0	ND	100	18-190			
1,1-Dichloroethane	23.4	1.0	"	20.0	ND	117	59-155			
1,2-Dichloroethane	22.2	1.0	"	20.0	ND	111	49-155			
1,1-Dichloroethene	22.3	1.0	"	20.0	ND	112	0.1-234			
trans-1,2-Dichloroethene	23.1	1.0	"	20.0	ND	116	54-156			
1,2-Dichloropropane	21.8	1.0	"	20.0	ND	109	0.1-210			
cis-1,3-Dichloropropene	22.5	1.0	"	20.0	ND	112	0.1-227			
trans-1,3-Dichloropropene	22.5	1.0	"	20.0	ND	112	17-183			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070139 - EPA 5030B waters										
Matrix Spike (4070139-MS1)	**Source: P406488-01**			Prepared & Analyzed: 07/09/04						
Ethylbenzene	20.1	1.0	ug/l	20.0	ND	100	37-162			
Methylene chloride	24.3	1.0	"	20.0	ND	122	0.1-221			
Methyl tert-butyl ether	20.8	1.0	"	20.0	ND	104	70-130			
1,1,2,2-Tetrachloroethane	19.4	1.0	"	20.0	ND	97	46-157			
Tetrachloroethene	21.0	1.0	"	20.0	ND	105	64-148			
Toluene	22.3	1.0	"	20.0	ND	112	47-150			
1,1,2-Trichloroethane	21.5	1.0	"	20.0	ND	108	52-150			
1,1,1-Trichloroethane	23.2	1.0	"	20.0	ND	116	52-162			
Trichloroethene	20.3	1.0	"	20.0	ND	102	71-157			
Trichlorofluoromethane	22.2	1.0	"	20.0	ND	111	17-181			
Vinyl chloride	23.8	1.0	"	20.0	ND	119	0.1-251			
Surrogate: Dibromofluoromethane	*4.96*		"	*5.00*		*99*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.26*		"	*5.00*		*105*	*74-135*			
Surrogate: Toluene-d8	*4.64*		"	*5.00*		*93*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.52*		"	*5.00*		*90*	*86-119*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070092 - EPA 5030B waters										
Blank (4070092-BLK1)				Prepared & Analyzed: 07/07/04						
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	*5.75*		"	*4.00*		*144*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*5.97*		"	*4.00*		*149*	*74-135*			*S01*
Surrogate: Toluene-d8	*5.29*		"	*4.00*		*132*	*84-119*			*S01*
Laboratory Control Sample (4070092-BS1)				Prepared & Analyzed: 07/07/04						
Benzene	22.5	0.50	ug/l	20.0		112	81-118			
Ethylbenzene	22.0	0.50	"	20.0		110	89-122			
Methyl tert-butyl ether	23.8	0.50	"	20.0		119	77-123			
Toluene	22.3	0.50	"	20.0		112	84-119			
Xylenes (total)	65.2	0.50	"	60.0		109	86-132			
Surrogate: Dibromofluoromethane	*5.47*		"	*4.00*		*137*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*5.74*		"	*4.00*		*144*	*74-135*			*S01*
Surrogate: Toluene-d8	*5.19*		"	*4.00*		*130*	*84-119*			*S01*
Laboratory Control Sample Dup (4070092-BSD1)				Prepared & Analyzed: 07/07/04						
Benzene	22.3	0.50	ug/l	20.0		112	81-118	0.9	20	
Ethylbenzene	22.3	0.50	"	20.0		112	89-122	1	20	
Methyl tert-butyl ether	23.4	0.50	"	20.0		117	77-123	2	20	
Toluene	22.7	0.50	"	20.0		114	84-119	2	20	
Xylenes (total)	67.6	0.50	"	60.0		113	86-132	4	20	
Surrogate: Dibromofluoromethane	*5.46*		"	*4.00*		*136*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*5.62*		"	*4.00*		*140*	*74-135*			*S01*
Surrogate: Toluene-d8	*5.32*		"	*4.00*		*133*	*84-119*			*S01*

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	Reported:
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070093 - EPA 5030B waters										
Blank (4070093-BLK1)				Prepared & Analyzed: 07/07/04						
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	*5.74*		"	*5.00*		*115*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.89*		"	*5.00*		*118*	*74-135*			
Surrogate: Toluene-d8	*5.76*		"	*5.00*		*115*	*84-119*			
Laboratory Control Sample (4070093-BS1)				Prepared & Analyzed: 07/07/04						
Benzene	5.17	0.50	ug/l	5.00		103	81-118			
Ethylbenzene	5.03	0.50	"	5.00		101	89-122			
Methyl tert-butyl ether	5.01	0.50	"	5.00		100	77-123			
Toluene	5.21	0.50	"	5.00		104	84-119			
Xylenes (total)	14.8	0.50	"	15.0		99	86-132			
Surrogate: Dibromofluoromethane	*6.11*		"	*5.00*		*122*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.32*		"	*5.00*		*126*	*74-135*			
Surrogate: Toluene-d8	*5.79*		"	*5.00*		*116*	*84-119*			
Matrix Spike (4070093-MS1)	**Source: P406489-01**			Prepared & Analyzed: 07/07/04						
Benzene	104	10	ug/l	100	ND	104	81-118			
Ethylbenzene	110	10	"	100	3.1	107	89-122			
Methyl tert-butyl ether	113	10	"	100	ND	113	77-123			
Toluene	109	10	"	100	ND	109	84-119			
Xylenes (total)	312	10	"	300	ND	104	86-132			
Surrogate: Dibromofluoromethane	*6.27*		"	*5.00*		*125*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*6.45*		"	*5.00*		*129*	*74-135*			
Surrogate: Toluene-d8	*5.86*		"	*5.00*		*117*	*84-119*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070093 - EPA 5030B waters										
Matrix Spike Dup (4070093-MSD1)	**Source: P406489-01**			Prepared & Analyzed: 07/07/04						
Benzene	106	10	ug/l	100	ND	106	81-118	2	20	
Ethylbenzene	112	10	"	100	3.1	109	89-122	2	20	
Methyl tert-butyl ether	114	10	"	100	ND	114	77-123	0.9	20	
Toluene	111	10	"	100	ND	111	84-119	2	20	
Xylenes (total)	325	10	"	300	ND	108	86-132	4	20	
Surrogate: Dibromofluoromethane	*6.19*		"	*5.00*		*124*	*84-122*			*S01*
Surrogate: 1,2-Dichloroethane-d4	*6.10*		"	*5.00*		*122*	*74-135*			
Surrogate: Toluene-d8	*5.77*		"	*5.00*		*115*	*84-119*			
Batch 4070269 - EPA 5030B waters										
Blank (4070269-BLK1)				Prepared & Analyzed: 07/15/04						
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	*5.51*		"	*5.00*		*110*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.18*		"	*5.00*		*104*	*74-135*			
Surrogate: Toluene-d8	*5.15*		"	*5.00*		*103*	*84-119*			
Laboratory Control Sample (4070269-BS1)				Prepared & Analyzed: 07/15/04						
Benzene	4.68	0.50	ug/l	5.00		94	81-118			
Ethylbenzene	4.74	0.50	"	5.00		95	89-122			
Methyl tert-butyl ether	4.69	0.50	"	5.00		94	77-123			
Toluene	4.84	0.50	"	5.00		97	84-119			
Xylenes (total)	14.3	0.50	"	15.0		95	86-132			
Surrogate: Dibromofluoromethane	*5.22*		"	*5.00*		*104*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.27*		"	*5.00*		*105*	*74-135*			
Surrogate: Toluene-d8	*5.44*		"	*5.00*		*109*	*84-119*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

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 4070269 - EPA 5030B waters										
Matrix Spike (4070269-MS1)	**Source: P407065-05**			Prepared & Analyzed: 07/15/04						
Benzene	553	50	ug/l	500	38	103	81-118			
Ethylbenzene	558	50	"	500	ND	112	89-122			
Methyl tert-butyl ether	892	50	"	500	430	92	77-123			
Toluene	552	50	"	500	14	108	84-119			
Xylenes (total)	1600	50	"	1500	ND	107	86-132			
Surrogate: Dibromofluoromethane	*5.21*		"	*5.00*		*104*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.41*		"	*5.00*		*108*	*74-135*			
Surrogate: Toluene-d8	*5.22*		"	*5.00*		*104*	*84-119*			
Matrix Spike Dup (4070269-MSD1)	**Source: P407065-05**			Prepared & Analyzed: 07/15/04						
Benzene	545	50	ug/l	500	38	101	81-118	1	20	
Ethylbenzene	542	50	"	500	ND	108	89-122	3	20	
Methyl tert-butyl ether	898	50	"	500	430	94	77-123	0.7	20	
Toluene	546	50	"	500	14	106	84-119	1	20	
Xylenes (total)	1590	50	"	1500	ND	106	86-132	0.6	20	
Surrogate: Dibromofluoromethane	*5.30*		"	*5.00*		*106*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.34*		"	*5.00*		*107*	*74-135*			
Surrogate: Toluene-d8	*5.38*		"	*5.00*		*108*	*84-119*			

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Conor Pacific	Project:B&C Gas Mini Mart	P406507
2580 Wyandotte St., Suite G	Project Number:BNC103	**Reported:**
Mountain View CA, 94043	Project Manager:Kris Johnson	07/23/04 16:16

Notes and Definitions

S01	The surrogate recovery was above control limits. The result may still be useful for its intended purpose.
HT-RA	This sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. The results may still be used for their intended purpose.
A-01a	The surrogate associated with this analyte exceeded the upper quality control limits. The reported value may be biased high.
A-01	A continuing calibration verification standard was not analyzed for this analyte.
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

Page 1 of 1

Quotation No. X

PROJECT NO.:	SITE NAME:
BNC103	BN-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

PET

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info	TPH-GAS	BTEX, MTBE BY EPA 8260	601/602								Cont. Qty.	Remarks
						Type/Vol.	VOA 40	VOA 40	VOA 40									
						Filter	N	N	N									
						Preserv.	HCl	HCl	HCl									
MW-4		6/23/04	1507	WATER	✓		3	3		P4060507-1							6	PROVIDE EDF.
MW-7		↓	1400	↓			3	3						2			6	
MW-13			1324				3	3						3			6	ADD THE LOCID
D-2			1141				3	3						4			6	(WELL ID) TO THE
CMT 1-21			1030				3	3						5			6	EDF SENT TO THE
PN062304		↓	1545	↓			—	—	3					6			3	STATE.
																		FOR 601/602 ANALYSIS:
																		INCLUDE MTBE RESULTS.

COOLER CUSTODY SEALS INTACT [ ]

NOT INTACT [ ]

COOLER TEMPERATURE 4.1 °c

Relinquished by: (signature)	Received by: (signature)	Date/Time:
C. Muir		6/25/04 1:50 pm
Relinquished by: (signature)	Received by: (signature)	Date/Time:
		6/25/04 1850
Relinquished by: (signature)	Received by: (signature)	Date/Time:
6/28/04		6-29-04 915

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: BPW
REC. BY (PRINT): [illegible]
WORKORDER: P406507

DATE Received at Lab: 6-29-04
TIME Received at Lab: 915
LOG IN DATE: 6-29-04

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent)			MW-4	X6 VOA	W	6-23-04	
	Intact / Broken*			7	↓	↓	↓	
2. Chain-of-Custody	(Present) / Absent*			13				
3. Traffic Reports or Packing List:	Present / (Absent)			D-2				
				CMTI-21	↓			
4. Airbill:	Airbill / (Sticker)			PN062304	X3 VOA	↓	↓	
	(Present) / Absent							
5. Airbill #:	COW							
6. Sample Labels:	(Present) / Absent							
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody							
8. Sample Condition:	(Intact) / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree?	(Yes) / No*							
10. Sample received within hold time:	(Yes) / No*							
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab:	4.1							
(Acceptance range for samples requiring thermal pres.:4+/-2°C)	(Yes) / No*							

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

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	451.81		

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		

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		

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		

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		

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		
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		

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		
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		

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		
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		

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		
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		

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		
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		

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		

Notes on last page.

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

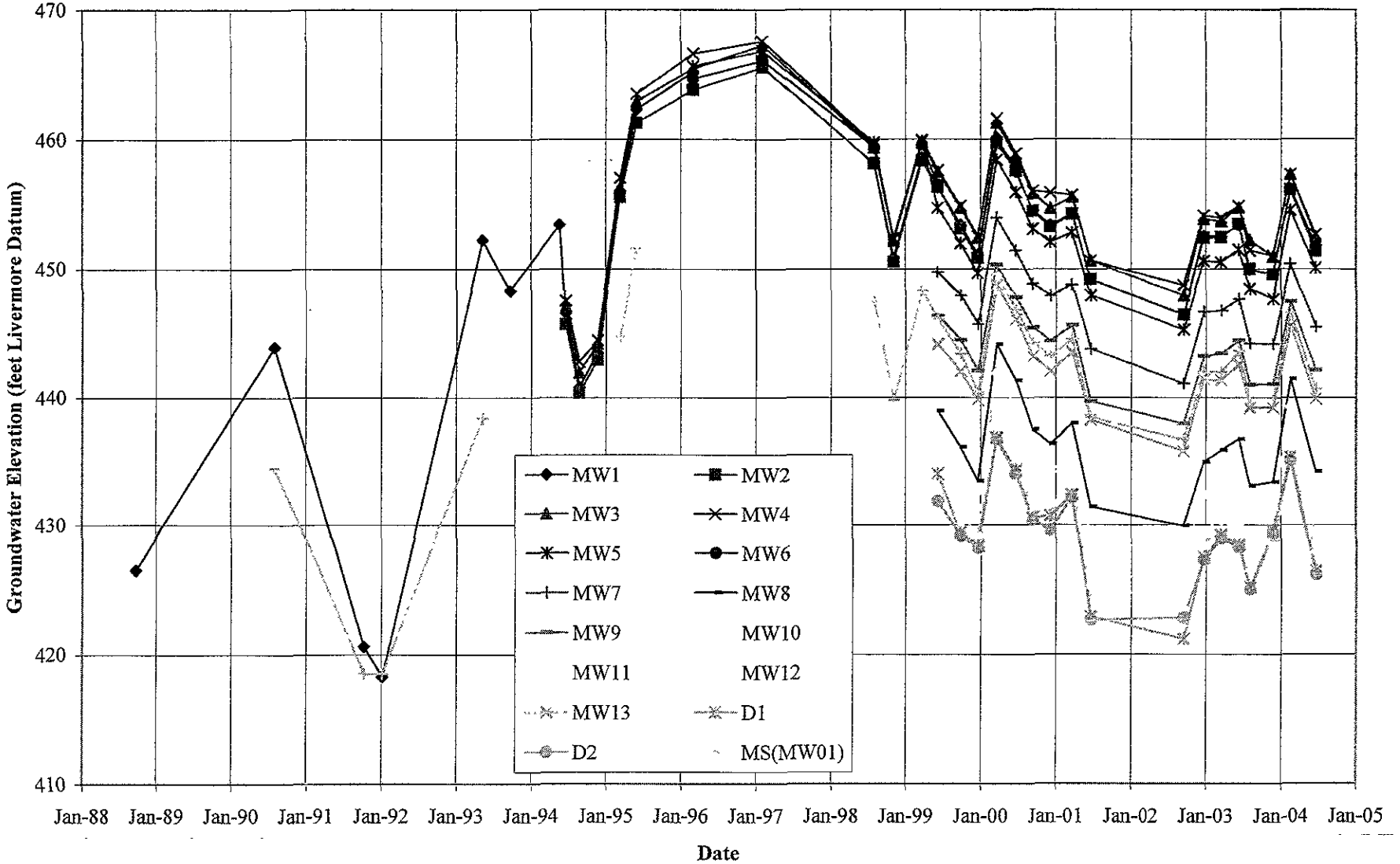

Table C-2
Historical Groundwater Analytical Results - Single Screen Wells, SimulProbe and Hydropunch Samples
B&C Gas Mini Mart
Livermore, California

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)	m,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-2	06/19/94	290,000	18,000	36,000	4,600	26,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	08/26/94	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	11/22/94	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	03/13/95	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	06/21/95	25,000	2,300	3,400	720	3,100	16,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	09/14/95	NS**	NS**	NS**	NS**	NS**	NS**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	02/29/96	57,000	2,500	650	3,700	3,100	6,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	02/01/97	20,000	860	1,500	480	1,000	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
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-3	06/19/94	**11,000**	**640**	**580**	**270**	**790**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	08/26/94	**41,000**	**1,600**	**2,300**	**330**	**1,800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	11/22/94	**18,000**	**8,000**	**10,000**	**900**	**5,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/13/95	**44,000**	**1,600**	**1,300**	**5,000**	**6,600**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	06/21/95	**15,000**	**600**	**1,900**	**490**	**2,600**	**4,200**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	09/14/95	**8,000**	**710**	**1,100**	**180**	**870**	**2,700**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	02/29/96	**13,000**	**230**	**200**	**200**	**1,100**	**1,500**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	02/01/97	**11,000**	**260**	**550**	**170**	**600**	**900**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	07/30/98	**25,000**	**330**	**1,200**	**490**	**1,860**	**300**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	11/05/98	**26,000**	**400**	**2,100**	**820**	**3,600**	**300**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/23/99	**6,900**	**100**	**160**	**110**	**265**	**220**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	06/08/99	**1,210**	**5.4**	**9.0**	**6.9**	**4.3**	**53.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/23/00	**465**	**4.56**	**1.87**	**6.20**	**7.45**	**15.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	09/13/00	**488**	**37.3**	**5.64**	**7.25**	**15.9**	**160**	NA	NA	NA	NA	NA	NA	NA	NA	NA

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
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-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	<0.5	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~~
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
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-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*
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
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	<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	18.0	1.6	17.0	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-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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
MW-9	12/21/99	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	03/21/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	09/13/00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	09/16/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	12/23/02	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	03/20/03	<50	<0.5	<0.5	<0.5	NA	<5	<0.5	<0.5	<1	<50	<1	<1	<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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
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
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
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

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)	m,p-Xylene (ug/l)	o-Xylene (ug/l)
(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)	m,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)	m,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)
			November 24, 2003		February 16, 2004		June 21, 2004	
CMT-1	Z1	469.51	41.77	427.74	32.97	436.54	40.62	428.89
	Z2		41.89	427.62	34.44	435.07	41.52	427.99
	Z3		41.84	427.67	34.34	435.17	41.55	427.96
	Z4		39.27	430.24	32.89	436.62	41.04	428.47
	Z5		39.20	430.31	32.85	436.66	41.07	428.44
	Z6		39.25	430.26	32.96	436.55	41.17	428.34
	Z7		40.85	428.66	34.18	435.33	43.72	425.79
CMT-2	Z1	470.14	41.45	428.69	31.68	438.46	39.55	430.59
	Z2		41.62	428.52	34.10	436.04	41.37	428.77
	Z3		41.60	428.54	34.13	436.01	41.40	428.74
	Z4		39.71	430.43	33.25	436.89	41.30	428.84
	Z5		39.89	430.25	33.18	436.96	41.29	428.85
	Z6		39.59	430.55	33.27	436.87	41.45	428.69
	Z7		39.68	430.46	33.43	436.71	41.76	428.38
CMT-3	Z1	473.44	40.92	432.52	32.83	440.61	39.85	433.59
	Z2		40.88	432.56	32.91	440.53	37.65	435.79
	Z3		41.99	431.45	34.20	439.24	41.28	432 16
	Z4		42.21	431.23	35.43	438.01	41.82	431.62
	Z5		43.03	430.41	35.63	437.81	42.52	430.92
	Z6		42.64	430.80	35.63	437.81	43.77	429.67
	Z7		43.53	429.91	35.27	438.17	43.38	430.06
CMT-4	Z1	483.38	Dry	Dry	Dry	Dry	Dry	Dry
	Z2		33.92	449.46	27.45	455.93	31.96	451.42
	Z3		33.64	449.74	27.09	456.29	31.76	451 62
	Z4		33.55	449 83	27.13	456.25	31.87	451.51
	Z5		33.64	449.74	27.11 [1]	456.27	31.85	456.27
	Z6		38.44	444.94	31.57	451.81	37.35	446.03
	Z7		40.82	442.56	32.50	450.88	38.00	445.38

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
	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	<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)
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
	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
	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)